

APPENDIX J
FLORA INVENTORY

Common Name	Scientific Name	COSEWIC ¹	SARA ²	NS ESA ³	S-Rank ⁴
Plants (Vascular)					
Alleghaney Blackberry	<i>Rubus allegheniensis</i>	---	---	---	S5
American Witch-Hazel	<i>Hamamelis virginiana</i>	---	---	---	S5
Atlantic Manna Grass	<i>Glyceria obtusa</i>	---	---	---	S4
Balsam Fir	<i>Abies balsamea</i>	---	---	---	S5
Black Chokeberry	<i>Aronia melanocarpa</i>	---	---	---	S5
Black Huckleberry	<i>Gaylussacia baccata</i>	---	---	---	S5
Black Spruce	<i>Picea mariana</i>	---	---	---	S5
Bladder Sedge	<i>Carex intumescens</i>	---	---	---	S5
Bluejoint reed grass	<i>Calamagrostis canadensis</i>	---	---	---	S5
Bog Aster	<i>Oclemena nemoralis</i>	---	---	---	S5
Boreal Bog Sedge	<i>Carex magellanica</i>	---	---	---	S5
Bracken Fern	<i>Pteridium aquilinum</i>	---	---	---	S5
Bristly Dewberry	<i>Rubus hispidus</i>	---	---	---	S5
Bristly Sarsaparilla	<i>Aralia hispida</i>	---	---	---	S5
Broad-leaved Cattail	<i>Typha latifolia</i>	---	---	---	S5
Broom Crowberry	<i>Corema conradii</i>	---	---	---	S4
Broom Sedge	<i>Carex scoparia</i>	---	---	---	S5
Bunchberry	<i>Cornus canadensis</i>	---	---	---	S5
Calico Aster	<i>Symphyotrichum lateriflorum</i>	---	---	---	S4
Canada Horseweed	<i>Erigeron canadensis</i>	---	---	---	S5
Canada Rush	<i>Juncus canadensis</i>	---	---	---	S5
Canada St. John's-Wort	<i>Hypericum canadense</i>	---	---	---	S5
Checkered Rattlesnake-Plantain	<i>Goodyera tessellata</i>	---	---	---	S4
Cinnamon Fern	<i>Osmundastrum cinnamomeum</i>	---	---	---	S5
Common Boneset	<i>Eupatorium perfoliatum</i>	---	---	---	S5
Common Hawkweed	<i>Hieracium lachenalii</i>	---	---	---	SNA
Common Labrador Tea	<i>Rhododendron groenlandicum</i>	---	---	---	S5
Common Plantain	<i>Plantago major</i>	---	---	---	SNA
Common Self-heal	<i>Prunella vulgaris</i>	---	---	---	S5
Common St John's-Wort	<i>Hypericum perforatum</i>	---	---	---	SNA
Common Wood Sorrel	<i>Oxalis montana</i>	---	---	---	S5
Common Woolly Bulrush	<i>Scirpus cyperinus</i>	---	---	---	S5

Common Name	Scientific Name	COSEWIC ¹	SARA ²	NS ESA ³	S-Rank ⁴
Convulsion-Root	<i>Monotropa uniflora</i>	---	---	---	S5
Creeping Snowberry	<i>Gaultheria hispidula</i>	---	---	---	S5
Cucumber Root	<i>Medeola virginiana</i>	---	---	---	S5
Dense sedge	<i>Carex cumulata</i>	---	---	---	S4S5
Dewdrop	<i>Rubus repens</i>	---	---	---	S4S5
Dwarf Red Raspberry	<i>Rubus pubescens</i>	---	---	---	S5
Eastern Blue-Eyed-Grass	<i>Sisyrinchium atlanticum</i>	---	---	---	S3S4
Eastern Cudweed	<i>Pseudognaphalium obtusifolium</i>	---	---	---	S4
Eastern Hay-Scented Fern	<i>Dennstaedtia punctilobula</i>	---	---	---	S5
Eastern Hemlock	<i>Tsuga canadensis</i>	---	---	---	S4
Eastern Marsh Fern	<i>Thelypteris palustris</i>	---	---	---	S5
Eastern Teaberry	<i>Gaultheria procumbens</i>	---	---	---	S5
Eastern White Pine	<i>Pinus strobus</i>	---	---	---	S5
Evergreen Wood Fern	<i>Dryopteris intermedia</i>	---	---	---	S5
False St John's-wort	<i>Hypericum gentianoides</i>	---	---	---	SNA
Flat-branched Tree-clubmoss	<i>Dendrolycopodium obscurum</i>	---	---	---	S4
Fringed Sedge	<i>Carex crinita</i>	---	---	---	S5
Goldthread	<i>Coptis trifolia</i>	---	---	---	S5
Grass-leaved Goldenrod	<i>Euthamia graminifolia</i>	---	---	---	S5
Gray Birch	<i>Betula populifolia</i>	---	---	---	S5
Green Alder	<i>Alnus valnobetula</i>	---	---	---	S5
Greenish Sedge	<i>Carex viridula</i>	---	---	---	S4
Hairy Flat-top White Aster	<i>Doellingeria umbellata</i>	---	---	---	S5
Harlequin Blue Flag Iris	<i>Iris versicolor</i>	---	---	---	S5
Inflated Lobelia	<i>Lobelia inflata</i>	---	---	---	S5
Inkberry	<i>Ilex glabra</i>	---	---	---	S5
Interrupted Fern	<i>Claytonia claytoniana</i>	---	---	---	S5
Large-toothed Aspen	<i>Populus grandidentata</i>	---	---	---	S5
Leatherleaf	<i>Chamaedaphne calyculata</i>	---	---	---	S5
Mountain Holly	<i>Ilex mucronate</i>	---	---	---	S5
New England Sedge	<i>Carex novae-angliae</i>	---	---	---	S5

Common Name	Scientific Name	COSEWIC ¹	SARA ²	NS ESA ³	S-Rank ⁴
New York Fern	<i>Parathelypteris noveboracensis</i>	---	---	---	S5
Northern Bayberry	<i>Ilex glabra</i>	---	---	---	S5
Northern Beech Fern	<i>Phegopteris connectilis</i>	---	---	---	S5
Northern Bush Honeysuckle	<i>Diervilla lonicera</i>	---	---	---	S5
Northern Long Sedge	<i>Carex folliculata</i>	---	---	---	S5
Northern Panic Grass	<i>Dichanthelium boreale</i>	---	---	---	S5
Northern Pitcher Plant	<i>Sarracenia purpurea</i>	---	---	---	S5
Northern Red Oak	<i>Quercus rubra</i>	---	---	---	S5
Northern Starflower	<i>Lysimachia borealis</i>	---	---	---	S5
Northern Water Horehound	<i>Lycopus uniflorus</i>	---	---	---	S5
Northern Wild Raisin	<i>Viburnum cassinoides</i>	---	---	---	S5
Old Field Cinquefoil	<i>Potentilla simplex</i>	---	---	---	S5
Painted Trillium	<i>Trillidium undulatum</i>	---	---	---	S5
Pale Bog Laurel	<i>Kalmia polifolia</i>	---	---	---	S5
Paper Birch	<i>Betula papyrifera</i>	---	---	---	S5
Partridgeberry	<i>Mitchella repens</i>	---	---	---	S5
Pearly Everlasting	<i>Anaphalis margaritacea</i>	---	---	---	S5
Pickernelweed	<i>Pontederia cordata</i>	---	---	---	S5
Pin Cherry	<i>Prunus pensylvanica</i>	---	---	---	S5
Pinesap	<i>Hypopitys monotropa</i>	---	---	---	S4
Pink Lady's-Slipper	<i>Cypripedium acaule</i>	---	---	---	S5
Poverty Oat Grass	<i>Danthonia spicata</i>	---	---	---	S5
Purple-stemmed Aster	<i>Symphyotrichum puniceum</i>	---	---	---	S5
Red Maple	<i>Acer rubrum</i>	---	---	---	S5
Red Raspberry	<i>Rubus idaeus</i>	---	---	---	S5
Red Spruce	<i>Picea rubens</i>	---	---	---	S5
Rhodora	<i>Rhododendron canadense</i>	---	---	---	S5
Rock Polypody	<i>Polypodium virginianum</i>	---	---	---	S5
Rough Fleabane	<i>Erigeron strigosus</i>	---	---	---	S5
Rough-stemmed Goldenrod	<i>Solidago rugosa</i>	---	---	---	S5
Round-Leaved Sundew	<i>Drosera rotundifolia</i>	---	---	---	S5
Royal Fern	<i>Osmunda regalis</i>	---	---	---	S5
Running Clubmoss	<i>Lycopodium clavatum</i>	---	---	---	S5
Sallow sedge	<i>Carex lurida</i>	---	---	---	S5

Common Name	Scientific Name	COSEWIC ¹	SARA ²	NS ESA ³	S-Rank ⁴
Sheep Laurel	<i>Kalmia angustifolia</i>	---	---	---	S5
Slender Rush	<i>Juncus tenuis</i>	---	---	---	S5
Small Cranberry	<i>Vaccinium oxycoccos</i>	---	---	---	S5
Smooth Serviceberry	<i>Amelanchier laevis</i>	---	---	---	S5
Soft Rush	<i>Juncus effusus</i>	---	---	---	S5
Speckled Alder	<i>Alnus incana</i>	---	---	---	S5
Spoon-Leaved Sundew	<i>Drosera intermedia</i>	---	---	---	S5
Steeplebush	<i>Spiraea tomentosa</i>	---	---	---	S5
Striped Maple	<i>Acer pensylvanicum</i>	---	---	---	S5
Swamp Yellow Loosestrife	<i>Lysimachia terrestris</i>	---	---	---	S5
Sweet-fern	<i>Comptonia peregrina</i>	---	---	---	S5
Tawny Cotton Grass	<i>Eriophorum virginicum</i>	---	---	---	S5
Tamarack	<i>Larix laricina</i>	---	---	---	S5
Three-Leaved Rattlesnake-Root	<i>Nabalus trifoliolatus</i>	---	---	---	S5
Three-Seeded Sedge	<i>Carex trisperma</i>	---	---	---	S5
Tiny Allseed	<i>Radiola linoides</i>	---	---	---	SNA
Toad Rush	<i>Juncus bufonius</i>	---	---	---	S5
Trailing Arbutus	<i>Epigaea repens</i>	---	---	---	S5
Trembling Aspen	<i>Populus tremuloides</i>	---	---	---	S5
Twinflower	<i>Linnaea borealis</i>	---	---	---	S5
Two-seeded Sedge	<i>Carex disperma</i>	---	---	---	S5
Velvet-leaved Blueberry	<i>Vaccinium myrtilloides</i>	---	---	---	S5
White Buttons	<i>Eriocaulon aquaticum</i>	---	---	---	S5
White Fringed Orchid	<i>Platanthera blephariglottis</i>	---	---	---	S4S5
White Spruce	<i>Picea glauca</i>	---	---	---	S5
Whorled Wood Aster	<i>Oclemena acuminata</i>	---	---	---	S5
Wild Lily-Of-The-Valley	<i>Maianthemum canadense</i>	---	---	---	S5
Wild Sarsaparilla	<i>Aralia nudicaulis</i>	---	---	---	S5
Wild Strawberry	<i>Fragaria virginiana</i>	---	---	---	S5
Winterberry	<i>Ilex verticillata</i>	---	---	---	S5
Yellow Birch	<i>Betula alleghaniensis</i>	---	---	---	S5
Lichens (Non-vascular)					
Blue-gray Moss Shingle Lichen	<i>Moelleropsis nebulosa</i>	---	---	---	S2S3
Corrugated Shingles Lichen	<i>Fuscopannaria ahlneri</i>	---	---	---	S3

Common Name	Scientific Name	COSEWIC ¹	SARA ²	NS ESA ³	S-Rank ⁴
Frosted Glass-whiskers Lichen	<i>Sclerophora peronella</i>	Special Concern	Special Concern	---	S3S4
Salted Shell Lichen	<i>Coccocarpia palmicola</i>	---	---	---	S3S4
White-rimmed Shingle Lichen	<i>Fuscopannaria leucosticta</i>	Threatened	---	---	S3
Wrinkled Shingle Lichen	<i>Pannaria lurida</i>	Threatened	Threatened	Threatened	S2S3

APPENDIX K
TERRESTRIAL FAUNA PHOTO LOG

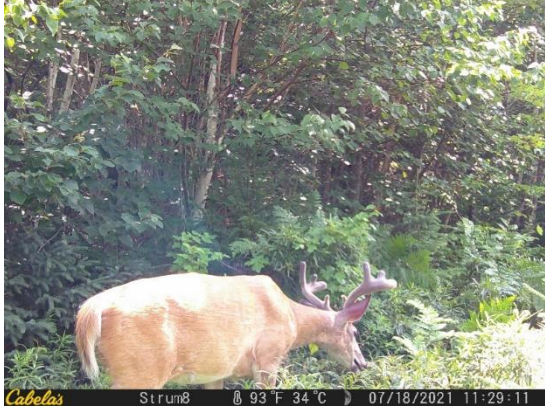


Photo 1: White-tailed deer (*Odocoileus virginianus*) photographed at 11:29 July 18, 2021, by trail camera located at dead end road.



Photo 2: Bobcat (*Lynx rufus*) photographed at 2:19 October 7, 2021 by trail camera located at overgrown road.



Photo 3: Eastern coyote (*Canis latrans*) photographed at 22:08 July 7, 2021, by trail camera located at overgrown road.



Photo 4: North American deer mouse (*Peromyscus maniculatus*) tracks photographed at 11:50 February 2, 2022, by iPhone camera during winter tracking surveys.

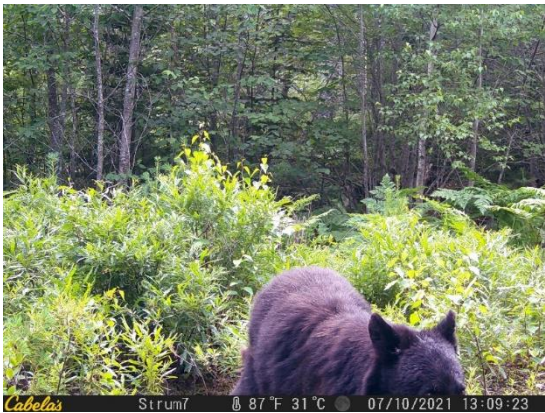


Photo 5: American black bear (*Ursus americanus*) photographed at 13:09 July 10, 2021, by trail camera located at overgrown road.



Photo 6: Eastern striped skunk (*Mephitis mephitis*) photographed at 13:24 September 7, 2021, by trail camera located at Solnow Brook Stillwater.



Photo 5: Mainland moose (*Alces alces americanus*) tracks photographed at 9:17 August 4, 2021, by iPhone camera during wetland surveys.



Photo 6: Snowshoe hare (*Lepus americanus*) pellets photographed at 11:52 March 21, 2022, by iPhone camera during pellet surveys.

Note: One Fisher (*Pekania pennanti*) was observed July 24, 2022; however, no photo evidence is available.

APPENDIX L
BATS



Photo 1: Bat detector 001 along the shoreline of Big Bon Mature Lake. General habitat is a riparian mature/multi aged mixedwood forest.



Photo 2: Bat detector 002 set up in a forest edge along the northern access road. General habitat is a regenerating softwood edge along a historical access road.



Photo 3: Bat detector 003 along Stillwater Brook. Open riparian habitat dominated by a herbaceous/shrub layer.



Photo 4: Bat detector set up near the Radar Trailer. General habitat is an open area (constructed access road) near an even aged softwood stand.

APPENDIX M
AVIFAUNA

Table 1: Species Summary - 2021 Breeding Bird Point Count Surveys - Mersey River Wind Farm Project

Project # 21-7833

Common name	Scientific Name	Bird Group	SARA	COSEWIC	NSESA	NS S-Rank	Number Observed	Breeding Evidence
Alder Flycatcher	Empidonax alnorum	6	Not Listed	Not Listed	Not Listed	S5B	16	
American Crow	Corvus brachyrhynchos	6	Not Listed	Not Listed	Not Listed	S5	1	
American Goldfinch	Carduelis tristis	6	Not Listed	Not Listed	Not Listed	S5	7	
American Kestrel	Falco sparverius	4	Not Listed	Not Listed	Not Listed	S3B,S4S5M	1	
American Redstart	Setophaga ruticilla	6	Not Listed	Not Listed	Not Listed	S5B	7	
American Robin	Turdus migratorius	6	Not Listed	Not Listed	Not Listed	S5B,S3N	17	
Black-and-white Warbler	Mniotilta varia	6	Not Listed	Not Listed	Not Listed	S5B	20	
Black-capped Chickadee	Poecile atricapilla	6	Not Listed	Not Listed	Not Listed	S5	18	
Blue-headed Vireo	Vireo solitarius	6	Not Listed	Not Listed	Not Listed	S5B	8	
Blackburnian Warbler	Dendroica fusca	6	Not Listed	Not Listed	Not Listed	S5	8	
Blue Jay	Cyanocitta cristata	6	Not Listed	Not Listed	Not Listed	S5	2	
Brown Creeper	Certhia americana	6	Not Listed	Not Listed	Not Listed	S5	3	
Black-throated Blue Warbler	Dendroica caerulescens	6	Not Listed	Not Listed	Not Listed	S5	3	Agitated female
Black-throated Green Warbler	Dendroica virens	6	Not Listed	Not Listed	Not Listed	S5	6	
Cedar Waxwing	Bombycilla cedrorum	6	Not Listed	Not Listed	Not Listed	S5B	6	
Common Loon	Gavia immer	3	Not Listed	Not at Risk	Not Listed	S4B	1	
Common Raven	Corvus corax	6	Not Listed	Not Listed	Not Listed	S5	2	
Common Yellowthroat	Geothlypis trichas	6	Not Listed	Not Listed	Not Listed	S5B	38	
Chestnut-sided Warbler	Dendroica pensylvanica	6	Not Listed	Not Listed	Not Listed	S5	9	Female carrying food
Dark-eyed Junco	Junco hyemalis	6	Not Listed	Not Listed	Not Listed	S4S5	11	
Downy Woodpecker	Picoides pubescens	7	Not Listed	Not Listed	Not Listed	SU	1	
Eastern Wood-Pewee	Contopus virens	6	Special Concern	Special Concern	Vulnerable	S3S4B	2	
European Starling	Sturnus vulgaris	6	Not Listed	Not Listed	Not Listed	SNA	8	
Golden-crowned Kinglet	Regulus satrapa	6	Not Listed	Not Listed	Not Listed	S5	8	
Gray Jay	Perisoreus canadensis	6	Not Listed	Not Listed	Not Listed	S3	1	
Hairy Woodpecker	Picoides villosus	7	Not Listed	Not Listed	Not Listed	SU	2	
Hermit Thrush	Catharus guttatus	6	Not Listed	Not Listed	Not Listed	S5B	33	
Least Flycatcher	Empidonax minimus	6	Not Listed	Not Listed	Not Listed	S4S5B,S5M	14	
Magnolia Warbler	Dendroica magnolia	6	Not Listed	Not Listed	Not Listed	S5	23	
Mourning Dove	Zenaidura macroura	7	Not Listed	Not Listed	Not Listed	S5	8	
Northern Flicker	Colaptes auratus	7	Not Listed	Not Listed	Not Listed	S5B	5	
Northern Parula	Parula americana	6	Not Listed	Not Listed	Not Listed	SU	16	
Olive-sided Flycatcher	Contopus cooperi	6	Threatened	Special Concern	Threatened	S3B	3	
Ovenbird	Seiurus aurocapilla	6	Not Listed	Not Listed	Not Listed	S5B	29	
Palm Warbler	Dendroica palmarum	6	Not Listed	Not Listed	Not Listed	S5	26	
Pileated Woodpecker	Dryocopus pileatus	7	Not Listed	Not Listed	Not Listed	S5	3	
Purple Finch	Carpodacus purpureus	6	Not Listed	Not Listed	Not Listed	S5	5	
Rose-breasted Grosbeak	Pheucticus ludovicianus	6	Not Listed	Not Listed	Not Listed	S3B	1	
Red-breasted Nuthatch	Sitta canadensis	6	Not Listed	Not Listed	Not Listed	S4S5	8	Silent, agitated by pishing
Ruby-crowned Kinglet	Regulus calendula	6	Not Listed	Not Listed	Not Listed	S5	1	
Red Crossbill	Loxia curvirostra	6	Not Listed	Not Listed	Not Listed	S3S4	11	
Red-eyed Vireo	Vireo olivaceus	6	Not Listed	Not Listed	Not Listed	S5B	18	
Song Sparrow	Melospiza melodia	6	Not Listed	Not Listed	Not Listed	S5B	12	
Swamp Sparrow	Melospiza georgiana	6	Not Listed	Not Listed	Not Listed	S5B	6	
Swainson's Thrush	Catharus ustulatus	6	Not Listed	Not Listed	Not Listed	S4B,S5M	18	
Winter Wren	Troglodytes troglodytes	6	Not Listed	Not Listed	Not Listed	SU	7	
White-throated Sparrow	Zonotrichia albicollis	6	Not Listed	Not Listed	Not Listed	S4S5B,S5M	18	
White-winged Crossbill	Loxia leucoptera	6	Not Listed	Not Listed	Not Listed	S4S5	7	
Yellow-bellied Sapsucker	Sphyrapicus varius	7	Not Listed	Not Listed	Not Listed	S5B	11	
Yellow-rumped Warbler	Dendroica coronata	6	Not Listed	Not Listed	Not Listed	S5	18	

Table 2: Data - 2021 Breeding Bird Point Count Surveys - Mersey River Wind Farm Project

Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
6-17-21	PC	1	5:01	10	heth	Hermit Thrush	2	Singing						
6-17-21	PC				swth	Swainson's Thrush	2	Singing						
6-17-21	PC				bcch	Black-capped Chickadee	2	Singing						
6-17-21	PC				blbw	Blackburnian Warbler	2	Singing						
6-17-21	PC				yrga	Yellow-rumped Warbler	3	Singing						
6-17-21	PC				eawp	Eastern Wood-Pewee	1	Singing	100	North				
6-17-21	PC				gcki	Golden-crowned Kinglet	1	Singing						
6-17-21	PC				amro	American Robin	1	Singing						
6-17-21	PC				brcr	Brown Creeper	1	Singing						
6-17-21	PC				modo	Mourning Dove	1	Singing						
6-17-21	PC				oven	Ovenbird	2	Singing						
6-17-21	PC				nopa	Northern Parula	1	Singing						
6-17-21	PC				deju	Dark-eyed Junco	1	Singing						
6-17-21	PC	2	5:16	10	mawa	Magnolia Warbler	2	Calling						
6-17-21	PC				btwn	Black-throated Green Warbler	2	Singing						
6-17-21	PC				oven	Ovenbird	2	Singing						
6-17-21	PC				revi	Red-eyed Vireo	2	Singing						
6-17-21	PC				baww	Black-and-white Warbler	2	Singing						
6-17-21	PC				amro	American Robin	2	Singing						
6-17-21	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming						
6-17-21	PC				modo	Mourning Dove	1	Singing						
6-17-21	PC				heth	Hermit Thrush	1	Singing						
6-17-21	PC				coye	Common Yellowthroat	1	Singing						
6-17-21	PC				yrga	Yellow-rumped Warbler	1	Singing						
6-17-21	PC				rbgr	Rose-breasted Grosbeak	1	Singing	250	West				
6-17-21	PC	3	5:35	10	coye	Common Yellowthroat	1	Singing						
6-17-21	PC				swth	Swainson's Thrush	2	Singing						
6-17-21	PC				nopa	Northern Parula	2	Singing						
6-17-21	PC				gcki	Golden-crowned Kinglet	1	Singing						
6-17-21	PC				baww	Black-and-white Warbler	2	Singing						
6-17-21	PC				oven	Ovenbird	1	Singing						
6-17-21	PC				revi	Red-eyed Vireo	2	Singing						
6-17-21	PC				swsp	Swamp Sparrow	1	Singing						
6-17-21	PC				alfl	Alder Flycatcher	1	Calling						
6-17-21	PC				sosp	Song Sparrow	1	Calling						
6-17-21	PC				modo	Mourning Dove	1	Singing						
6-17-21	PC				mawa	Magnolia Warbler	1	Singing						
6-17-21	PC				wtsp	White-throated Sparrow	1	Singing						
6-17-21	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming						
6-17-21	PC				bcch	Black-capped Chickadee	1	Calling						
6-17-21	PC	4	5:51	10	oven	Ovenbird	2	Calling						
6-17-21	PC				alfl	Alder Flycatcher	2	Calling						
6-17-21	PC				mawa	Magnolia Warbler	1	Calling						
6-17-21	PC				baww	Black-and-white Warbler	1	Calling						
6-17-21	PC				amre	American Redstart	1	Singing						
6-17-21	PC				coye	Common Yellowthroat	1	Singing						
6-17-21	PC				wtsp	White-throated Sparrow	1	Singing						
6-17-21	PC				pawa	Palm Warbler	2	Singing						
6-17-21	PC				deju	Dark-eyed Junco	1	Singing						
6-17-21	PC				amro	American Robin	1	Singing						
6-17-21	PC				cedw	Cedar Waxwing	2	Calling						
6-17-21	PC				revi	Red-eyed Vireo	1	Singing						
6-17-21	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming						
6-17-21	PC				swth	Swainson's Thrush	1	Singing						
6-17-21	PC				modo	Mourning Dove	1	Singing						
6-17-21	PC	5	6:06	10	sosp	Song Sparrow	2	Singing						
6-17-21	PC				piwo	Pileated Woodpecker	2	Calling						
6-17-21	PC				mawa	Magnolia Warbler	1	Singing						
6-17-21	PC				baww	Black-and-white Warbler	1	Singing						
6-17-21	PC				wtsp	White-throated Sparrow	1	Singing						
6-17-21	PC				alfl	Alder Flycatcher	1	Singing						
6-17-21	PC				heth	Hermit Thrush	2	Calling						
6-17-21	PC				nofl	Northern Flicker	1	Calling						
6-17-21	PC				bhvi	Blue-headed Vireo	1	Singing						
6-17-21	PC				pawa	Palm Warbler	2	Singing						
6-17-21	PC				swth	Swainson's Thrush	1	Singing						
6-17-21	PC				coye	Common Yellowthroat	1	Singing						
6-17-21	PC				cora	Common Raven	1	Calling						
6-17-21	PC				oven	Ovenbird	1	Singing						

Table 2: Data - 2021 Breeding Bird Point Count Surveys - Mersey River Wind Farm Project

Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments		
6-17-21	PC	6	6:21	10	swth	Swainson's Thrush	6	Singing								
6-17-21	PC				nopa	Northern Parula	1	Singing								
6-17-21	PC				heth	Hermit Thrush	2	Singing								
6-17-21	PC				oven	Ovenbird	2	Singing								
6-17-21	PC				baww	Black-and-white Warbler	1	Singing								
6-17-21	PC				mawa	Magnolia Warbler	3	Singing								
6-17-21	PC				wiwr	Winter Wren	2	Singing								
6-17-21	PC				blja	Blue Jay	1	Calling								
6-17-21	PC				graj	Gray Jay	1	Calling								
6-17-21	PC				bhvi	Blue-headed Vireo	1	Singing								
6-17-21	PC				deju	Dark-eyed Junco	1	Singing								
6-17-21	PC				yrwa	Yellow-rumped Warbler	1	Singing								
6-17-21	PC				amro	American Robin	1	Singing								
6-17-21	PC				coye	Common Yellowthroat	1	Singing								
6-17-21	PC	hawo	Hairy Woodpecker	1	Calling											
6-17-21	PC	7	6:37	10	mawa	Magnolia Warbler	2	Singing								
6-17-21	PC				cedw	Cedar Waxwing	1	Calling								
6-17-21	PC				lefl	Least Flycatcher	3	Singing								
6-17-21	PC				oven	Ovenbird	1	Singing								
6-17-21	PC				osfl	Olive-sided Flycatcher	1	Singing	250	Southwest						
6-17-21	PC				nopa	Northern Parula	1	Singing								
6-17-21	PC				alfl	Alder Flycatcher	3	Singing								
6-17-21	PC				wtsp	White-throated Sparrow	2	Singing								
6-17-21	PC				heth	Hermit Thrush	1	Singing								
6-17-21	PC				pawa	Palm Warbler	2	Singing								
6-17-21	PC				dowo	Downy Woodpecker	1	Calling								
6-17-21	PC				coye	Common Yellowthroat	2	Singing								
6-17-21	PC				baww	Black-and-white Warbler	1	Singing								
6-17-21	PC				revi	Red-eyed Vireo	1	Singing								
6-17-21	PC	yrwa	Yellow-rumped Warbler	1	Singing											
6-17-21	PC	bcch	Black-capped Chickadee	1	Calling											
6-17-21	PC	colo	Common Loon	1	Calling	500	Southwest									
6-17-21	PC	amro	American Robin	1	Calling											
6-17-21	PC	8	6:59	10	oven	Ovenbird	1	Calling								
6-17-21	PC				mawa	Magnolia Warbler	2	Calling								
6-17-21	PC				piwo	Pileated Woodpecker	1	Drumming								
6-17-21	PC				baww	Black-and-white Warbler	1	Singing								
6-17-21	PC				heth	Hermit Thrush	2	Singing								
6-17-21	PC				alfl	Alder Flycatcher	1	Singing								
6-17-21	PC				rbnu	Red-breasted Nuthatch	1	Calling								
6-17-21	PC				coye	Common Yellowthroat	1	Calling								
6-17-21	PC				amre	American Redstart	1	Calling								
6-17-21	PC				cswa	Chestnut-sided Warbler	2	Singing								
6-17-21	PC				alfl	Alder Flycatcher	2	Singing								
6-17-21	PC				heth	Hermit Thrush	1	Singing								
6-17-21	PC				wtsp	White-throated Sparrow	1	Singing								
6-17-21	PC				oven	Ovenbird	1	Singing								
6-17-21	PC	lefl	Least Flycatcher	1	Singing											
6-17-21	PC	pawa	Palm Warbler	1	Singing											
6-17-21	PC	amgo	American Goldfinch	2	Calling											
6-17-21	PC	oven	Ovenbird	2	Singing											
6-17-21	PC	ybsa	Yellow-bellied Sapsucker	2	Calling											
6-17-21	PC	sosp	Song Sparrow	1	Calling											
6-17-21	PC	baww	Black-and-white Warbler	1	Singing											
6-17-21	PC	coye	Common Yellowthroat	2	Singing											
6-17-21	PC	revi	Red-eyed Vireo	1	Singing											
6-17-21	PC	10	8:08	10	cswa	Chestnut-sided Warbler	2	Singing								
6-17-21	PC				pawa	Palm Warbler	3	Singing								
6-17-21	PC				alfl	Alder Flycatcher	1	Singing								
6-17-21	PC				deju	Dark-eyed Junco	1	Singing								
6-17-21	PC				coye	Common Yellowthroat	1	Singing								
6-17-21	PC				swsp	Swamp Sparrow	2	Agitated								Lots of construction noise
6-17-21	PC				btbw	Black-throated Blue Warbler	1	Singing								
6-17-21	PC				nofl	Northern Flicker	1	Calling								
6-17-21	PC				heth	Hermit Thrush	1	Singing								
6-17-21	PC				oven	Ovenbird	1	Singing								
6-17-21	PC				pufi	Purple Finch	1	Calling								
6-17-21	PC				heth	Hermit Thrush	2	Singing								
6-17-21	PC				lefl	Least Flycatcher	1	Singing								

Table 2: Data - 2021 Breeding Bird Point Count Surveys - Mersey River Wind Farm Project

Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
6-17-21	PC				pawa	Palm Warbler	3	Singing						
6-17-21	PC				swsp	Swamp Sparrow	1	Calling						
6-17-21	PC				wtsp	White-throated Sparrow	2	Singing						
6-17-21	PC				modo	Mourning Dove	1	Singing						
6-17-21	PC				recr	Red Crossbill	4	Passing	100	Northeast			South	
6-17-21	PC				nopa	Northern Parula	1	Singing						
6-17-21	PC				cswa	Chestnut-sided Warbler	1	Singing						
6-17-21	PC				alfl	Alder Flycatcher	1	Singing						
6-17-21	PC				osfl	Olive-sided Flycatcher	1	Singing	250	Northeast				
6-17-21	PC				pufi	Purple Finch	1	Singing	100	South				
6-17-21	PC				bhvi	Blue-headed Vireo	1	Singing						
6-17-21	PC	12	8:40	10	oven	Ovenbird	1	Singing						
6-17-21	PC				bcch	Black-capped Chickadee	3	Calling						
6-17-21	PC				heth	Hermit Thrush	1	Singing						
6-17-21	PC				revi	Red-eyed Vireo	1	Singing						
6-17-21	PC				blbw	Blackburnian Warbler	2	Singing						
6-17-21	PC				amre	American Redstart	2	Singing						
6-17-21	PC				swth	Swainson's Thrush	1	Singing						
6-17-21	PC				gcki	Golden-crowned Kinglet	1	Singing						
6-17-21	PC				btbw	Black-throated Blue Warbler	1	Singing						
6-17-21	PC				rbnu	Red-breasted Nuthatch	1	Agitated						Silent, agitated by pishing
6-17-21	PC				coye	Common Yellowthroat	1	Singing						
6-17-21	PC				deju	Dark-eyed Junco	1	Calling						
6-17-21	PC	13	8:54	10	revi	Red-eyed Vireo	2	Singing						
6-17-21	PC				blbw	Blackburnian Warbler	2	Singing						
6-17-21	PC				oven	Ovenbird	2	Singing						
6-17-21	PC				lefl	Least Flycatcher	1	Singing						
6-17-21	PC				mawa	Magnolia Warbler	2	Singing						
6-17-21	PC				coye	Common Yellowthroat	1	Singing						
6-17-21	PC				yrwa	Yellow-rumped Warbler	2	Calling						
6-17-21	PC				bcch	Black-capped Chickadee	1	Calling						
6-17-21	PC				ybsa	Yellow-bellied Sapsucker	1	Calling						
6-17-21	PC	14	9:07	10	wtsp	White-throated Sparrow	1	Singing						
6-17-21	PC				amgo	American Goldfinch	1	Passing	0	Southwest			North	
6-17-21	PC				recr	Red Crossbill	2	Calling	50	Southeast				
6-17-21	PC				swth	Swainson's Thrush	1	Singing						
6-17-21	PC				oven	Ovenbird	1	Singing						
6-17-21	PC				mawa	Magnolia Warbler	1	Singing						
6-17-21	PC				coye	Common Yellowthroat	1	Singing						
6-17-21	PC				pawa	Palm Warbler	1	Singing						
6-17-21	PC	15	9:20	10	alfl	Alder Flycatcher	2	Singing						
6-17-21	PC				sosp	Song Sparrow	2	Singing						
6-17-21	PC				baww	Black-and-white Warbler	1	Singing						
6-17-21	PC				yrwa	Yellow-rumped Warbler	1	Calling						
6-17-21	PC				lefl	Least Flycatcher	1	Singing						
6-17-21	PC				deju	Dark-eyed Junco	1	Singing						
6-17-21	PC				oven	Ovenbird	1	Singing						
6-17-21	PC				coye	Common Yellowthroat	2	Singing						
6-17-21	PC				amre	American Redstart	1	Singing						
6-17-21	PC				eawp	Eastern Wood-Pewee	1	Singing	100	North				
6-17-21	PC				wtsp	White-throated Sparrow	1	Singing						
6-17-21	PC				ybsa	Yellow-bellied Sapsucker	1	Calling						
6-17-21	PC				revi	Red-eyed Vireo	1	Singing						
6-17-21	PC	16	9:35	10	revi	Red-eyed Vireo	3	Singing						
6-17-21	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming						
6-17-21	PC				coye	Common Yellowthroat	1	Singing						
6-17-21	PC				lefl	Least Flycatcher	2	Singing						
6-17-21	PC				yrwa	Yellow-rumped Warbler	1	Calling						
6-17-21	PC				amgo	American Goldfinch	1	Calling						
6-17-21	PC				nopa	Northern Parula	1	Singing						
7-5-21	PC	1	4:58	10	baww	Black-and-white Warbler	1	Singing						
7-5-21	PC				heth	Hermit Thrush	2	Singing						
7-5-21	PC				mawa	Magnolia Warbler	1	Singing						
7-5-21	PC				nopa	Northern Parula	1	Singing						
7-5-21	PC				yrwa	Yellow-rumped Warbler	3	Singing						
7-5-21	PC				gcki	Golden-crowned Kinglet	1	Singing						
7-5-21	PC				bhvi	Blue-headed Vireo	1	Singing						
7-5-21	PC				wiwr	Winter Wren	1	Singing						
7-5-21	PC				oven	Ovenbird	1	Singing						

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Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
7-5-21	PC				swth	Swainson's Thrush	1	Singing						
7-5-21	PC				rbnu	Red-breasted Nuthatch	2	Calling						
7-5-21	PC				pufi	Purple Finch	1	Calling	50	West			East	
7-5-21	PC				blbw	Blackburnian Warbler	1	Singing						
7-5-21	PC				cswa	Chestnut-sided Warbler	1	Singing						
7-5-21	PC				brcr	Brown Creeper	1	Singing						
7-5-21	PC				amro	American Robin	2	Singing						
7-5-21	PC	2	5:14	10	coye	Common Yellowthroat	2	Singing						
7-5-21	PC				amro	American Robin	1	Singing						
7-5-21	PC				heth	Hermit Thrush	2	Singing						
7-5-21	PC				swth	Swainson's Thrush	1	Singing						
7-5-21	PC				oven	Ovenbird	1	Singing						
7-5-21	PC				baww	Black-and-white Warbler	1	Singing						
7-5-21	PC				amro	American Robin	2	Singing						
7-5-21	PC				amke	American Kestrel	1	Passing	100	East			North	
7-5-21	PC				revi	Red-eyed Vireo	1	Singing						
7-5-21	PC				btwn	Black-throated Green Warbler	1	Singing						
7-5-21	PC	3	5:30	10	revi	Red-eyed Vireo	1	Singing						
7-5-21	PC				gcki	Golden-crowned Kinglet	2	Singing						
7-5-21	PC				nopa	Northern Parula	2	Singing						
7-5-21	PC				heth	Hermit Thrush	1	Singing						
7-5-21	PC				sosp	Song Sparrow	1	Singing						
7-5-21	PC				amro	American Robin	2	Singing						
7-5-21	PC				rbnu	Red-breasted Nuthatch	2	Calling						
7-5-21	PC				mawa	Magnolia Warbler	1	Singing						
7-5-21	PC				yrwa	Yellow-rumped Warbler	1	Calling						
7-5-21	PC				blja	Blue Jay	1	Calling						
7-5-21	PC				alfl	Alder Flycatcher	1	Calling						
7-5-21	PC				coye	Common Yellowthroat	2	Calling						
7-5-21	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming						
7-5-21	PC				bhvi	Blue-headed Vireo	1	Singing						
7-5-21	PC	4	5:45	10	amro	American Robin	1	Singing						
7-5-21	PC				yrwa	Yellow-rumped Warbler	1	Singing						
7-5-21	PC				baww	Black-and-white Warbler	1	Singing						
7-5-21	PC				wtsp	White-throated Sparrow	2	Singing						
7-5-21	PC				pawa	Palm Warbler	1	Singing						
7-5-21	PC				btwn	Black-throated Green Warbler	1	Singing						
7-5-21	PC				havo	Hairy Woodpecker	1	Calling						
7-5-21	PC	5	6:02	10	baww	Black-and-white Warbler	1	Singing						
7-5-21	PC				deju	Dark-eyed Junco	1	Singing						
7-5-21	PC				pawa	Palm Warbler	2	Singing						
7-5-21	PC				recr	Red Crossbill	2	Passing	50	Northeast			South	
7-5-21	PC				sosp	Song Sparrow	1	Singing						
7-5-21	PC				gcki	Golden-crowned Kinglet	1	Singing						
7-5-21	PC				coye	Common Yellowthroat	2	Singing						
7-5-21	PC				wtsp	White-throated Sparrow	1	Singing						
7-5-21	PC				heth	Hermit Thrush	2	Singing						
7-5-21	PC				btbw	Black-throated Blue Warbler	1	Calling						Agitated female
7-5-21	PC				mawa	Magnolia Warbler	1	Singing						
7-5-21	PC				oven	Ovenbird	2	Singing						
7-5-21	PC				wiwr	Winter Wren	1	Singing						
7-5-21	PC				swth	Swainson's Thrush	1	Calling						
7-5-21	PC	6	6:18	10	coye	Common Yellowthroat	2	Singing						
7-5-21	PC				wiwr	Winter Wren	1	Singing						
7-5-21	PC				nopa	Northern Parula	1	Agitated						
7-5-21	PC				wtsp	White-throated Sparrow	1	Singing						
7-5-21	PC				pawa	Palm Warbler	2	Singing						
7-5-21	PC				bcch	Black-capped Chickadee	1	Calling						
7-5-21	PC				baww	Black-and-white Warbler	2	Singing						
7-5-21	PC				mawa	Magnolia Warbler	1	Singing						
7-5-21	PC				rbnu	Red-breasted Nuthatch	1	Calling						
7-5-21	PC	7	6:34	10	bcch	Black-capped Chickadee	2	Calling						
7-5-21	PC				yrwa	Yellow-rumped Warbler	1	Calling						
7-5-21	PC				heth	Hermit Thrush	1	Singing						
7-5-21	PC				mawa	Magnolia Warbler	2	Singing						
7-5-21	PC				coye	Common Yellowthroat	3	Agitated						
7-5-21	PC				amro	American Robin	2	Calling						
7-5-21	PC				wiwr	Winter Wren	1	Singing						
7-5-21	PC				nopa	Northern Parula	1	Singing						

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Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
7-5-21	PC				oven	Ovenbird	1	Singing						
7-5-21	PC				baww	Black-and-white Warbler	1	Singing						
7-5-21	PC				btnw	Black-throated Green Warbler	1	Singing						
7-5-21	PC	8	6:52	10	bcch	Black-capped Chickadee	2	Singing						
7-5-21	PC				heth	Hermit Thrush	1	Singing						
7-5-21	PC				nopa	Northern Parula	1	Singing						
7-5-21	PC				pawa	Palm Warbler	2	Agitated						
7-5-21	PC				coye	Common Yellowthroat	2	Agitated						
7-5-21	PC				ybsa	Yellow-bellied Sapsucker	1	Calling						
7-5-21	PC				baww	Black-and-white Warbler	1	Singing						
7-5-21	PC	9	7:37	10	cswa	Chestnut-sided Warbler	1	Singing						
7-5-21	PC				wtsp	White-throated Sparrow	1	Singing						
7-5-21	PC				pawa	Palm Warbler	1	Singing						
7-5-21	PC				oven	Ovenbird	1	Singing						
7-5-21	PC				mawa	Magnolia Warbler	1	Singing						
7-5-21	PC				sosp	Song Sparrow	1	Singing						
7-5-21	PC				swth	Swainson's Thrush	1	Calling						
7-5-21	PC				cora	Common Raven	1	Calling						
7-5-21	PC				bhvi	Blue-headed Vireo	1	Singing						
7-5-21	PC				heth	Hermit Thrush	1	Singing						
7-5-21	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming						
7-5-21	PC	10	8:11	10	deju	Dark-eyed Junco	1	Singing						
7-5-21	PC				pawa	Palm Warbler	2	Calling						
7-5-21	PC				pufi	Purple Finch	1	Singing						
7-5-21	PC				sosp	Song Sparrow	1	Singing						
7-5-21	PC				swsp	Swamp Sparrow	1	Agitated						
7-5-21	PC				nofl	Northern Flicker	1	Calling						
7-5-21	PC				coye	Common Yellowthroat	2	Agitated						
7-5-21	PC				wtsp	White-throated Sparrow	1	Singing						
7-5-21	PC				heth	Hermit Thrush	1	Singing						
7-5-21	PC	11	8:27	10	rcki	Ruby-crowned Kinglet	1	Singing	100	North				
7-5-21	PC				cedw	Cedar Waxwing	1	Calling						
7-5-21	PC				sosp	Song Sparrow	1	Singing						
7-5-21	PC				pufi	Purple Finch	1	Singing						
7-5-21	PC				lefl	Least Flycatcher	1	Calling						
7-5-21	PC				pawa	Palm Warbler	1	Singing						
7-5-21	PC				coye	Common Yellowthroat	1	Singing						
7-5-21	PC				cswa	Chestnut-sided Warbler	1	Singing						
7-5-21	PC				swsp	Swamp Sparrow	1	Singing						
7-5-21	PC	12	8:43	10	oven	Ovenbird	1	Singing						
7-5-21	PC				heth	Hermit Thrush	2	Singing						
7-5-21	PC				revi	Red-eyed Vireo	1	Singing						
7-5-21	PC				wtsp	White-throated Sparrow	1	Singing						
7-5-21	PC				mawa	Magnolia Warbler	1	Singing						
7-5-21	PC				modo	Mourning Dove	1	Singing						
7-5-21	PC				pawa	Palm Warbler	1	Singing						
7-5-21	PC				alfl	Alder Flycatcher	1	Calling						
7-5-21	PC				deju	Dark-eyed Junco	1	Singing						
7-5-21	PC				wiwr	Winter Wren	1	Singing						
7-5-21	PC				rbnu	Red-breasted Nuthatch	1	Calling						
7-5-21	PC				bcch	Black-capped Chickadee	1	Calling						
7-5-21	PC	13	8:56	10	coye	Common Yellowthroat	1	Singing						
7-5-21	PC				amgo	American Goldfinch	1	Calling						
7-5-21	PC				cswa	Chestnut-sided Warbler	1	Carrying food						Female carrying food
7-5-21	PC				bcch	Black-capped Chickadee	1	Calling						
7-5-21	PC				heth	Hermit Thrush	1	Calling						
7-5-21	PC	14	9:12	10	deju	Dark-eyed Junco	2	Singing						
7-5-21	PC				heth	Hermit Thrush	1	Calling						
7-5-21	PC				wtsp	White-throated Sparrow	1	Singing						
7-5-21	PC				coye	Common Yellowthroat	2	Singing						
7-5-21	PC				recr	Red Crossbill	3	Calling	50	Northeast				
7-5-21	PC				osfl	Olive-sided Flycatcher	1	Pipping	100	North				
7-5-21	PC				wocr	White-winged Crossbill	7	Passing	0	West			East	
7-5-21	PC	15	9:27	10	lefl	Least Flycatcher	2	Singing						
7-5-21	PC				heth	Hermit Thrush	2	Singing						
7-5-21	PC				amro	American Robin	1	Singing						
7-5-21	PC				baww	Black-and-white Warbler	1	Singing						
7-5-21	PC				nofl	Northern Flicker	2	Calling						
7-5-21	PC				gcki	Golden-crowned Kinglet	1	Calling						

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Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
7-5-21	PC				coye	Common Yellowthroat	1	Singing						
7-5-21	PC				yrwa	Yellow-rumped Warbler	1	Singing						
7-5-21	PC				bhvi	Blue-headed Vireo	1	Singing						
7-5-21	PC				bcch	Black-capped Chickadee	2	Calling						
7-5-21	PC				cedw	Cedar Waxwing	2	Calling						
7-5-21	PC	16	9:41	10	nopa	Northern Parula	1	Singing						
7-5-21	PC				bhvi	Blue-headed Vireo	1	Singing						
7-5-21	PC				bcch	Black-capped Chickadee	1	Calling						
7-5-21	PC				coye	Common Yellowthroat	1	Singing						
7-5-21	PC				amre	American Redstart	2	Agitated						
7-5-21	PC				lefl	Least Flycatcher	2	Calling						
7-5-21	PC				heth	Hermit Thrush	1	Calling						
7-5-21	PC				yrwa	Yellow-rumped Warbler	1	Singing						
7-5-21	PC				revi	Red-eyed Vireo	1	Singing						
7-5-21	PC				blbw	Blackburnian Warbler	1	Singing						
7-5-21	PC	17	10:32	10	oven	Ovenbird	1	Singing						
7-5-21	PC				brcr	Brown Creeper	1	Singing						
7-5-21	PC				nopa	Northern Parula	1	Singing						
7-5-21	PC				btnw	Black-throated Green Warbler	1	Singing						
7-5-21	PC	18	10:49	10	amgo	American Goldfinch	2	Calling						
7-5-21	PC				nopa	Northern Parula	1	Singing						
7-5-21	PC				sosp	Song Sparrow	1	Singing						
7-5-21	PC				modo	Mourning Dove	2	Singing						
7-5-21	PC				amcr	American Crow	1	Calling						
7-5-21	PC				eust	European Starling	8	Foraging						

Table 3: Species Summary - 2021 Fall Migration Bird Point Count Surveys - Mersey River Wind Farm Project

Project # 21-7833

Common Name	Scientific Name	Bird Group	SARA	COSEWIC	NSESA	NS S-Rank	Number Observed	Breeding Evidence
American Black Duck	Anas rubripes	1	Not Listed	Not Listed	Not Listed	S5B,S5N	1	
American Crow	Corvus brachyrhynchos	6	Not Listed	Not Listed	Not Listed	S5	3	
American Goldfinch	Carduelis tristis	6	Not Listed	Not Listed	Not Listed	S5	9	
American Kestrel	Falco sparverius	4	Not Listed	Not Listed	Not Listed	S3B,S4S5M	2	
American Robin	Turdus migratorius	6	Not Listed	Not Listed	Not Listed	S5B,S3N	26	
American Woodcock	Scolopax minor	2	Not Listed	Not Listed	Not Listed	S5B	1	
Barred Owl	Strix varia	5	Not Listed	Not Listed	Not Listed	S5	2	
Bald Eagle	Haliaeetus leucocephalus	4	Not Listed	Not at Risk	Not Listed	S5	2	
Black-and-white Warbler	Mniotilta varia	6	Not Listed	Not Listed	Not Listed	S5B	2	
Black-capped Chickadee	Poecile atricapilla	6	Not Listed	Not Listed	Not Listed	S5	87	
Blue-headed Vireo	Vireo solitarius	6	Not Listed	Not Listed	Not Listed	S5B	5	
Blue Jay	Cyanocitta cristata	6	Not Listed	Not Listed	Not Listed	S5	33	
Blackpoll Warbler	Dendroica striata	6	Not Listed	Not Listed	Not Listed	S5	7	
Brown Creeper	Certhia americana	6	Not Listed	Not Listed	Not Listed	S5	9	
Black-throated Blue Warbler	Dendroica caerulescens	6	Not Listed	Not Listed	Not Listed	S5	3	
Black-throated Green Warbler	Dendroica virens	6	Not Listed	Not Listed	Not Listed	S5	2	
Cedar Waxwing	Bombycilla cedrorum	6	Not Listed	Not Listed	Not Listed	S5B	29	
Common Grackle	Quiscalus quiscula	6	Not Listed	Not Listed	Not Listed	S5B	1	
Common Loon	Gavia immer	3	Not Listed	Not at Risk	Not Listed	S4B	3	
Common Raven	Corvus corax	6	Not Listed	Not Listed	Not Listed	S5	18	
Common Yellowthroat	Geothlypis trichas	6	Not Listed	Not Listed	Not Listed	S5B	33	
Chestnut-sided Warbler	Dendroica pensylvanica	6	Not Listed	Not Listed	Not Listed	S5	1	
Double-crested Cormorant	Phalacrocorax auritus	2	Not Listed	Not at Risk	Not Listed	SU	1	
Dark-eyed Junco	Junco hyemalis	6	Not Listed	Not Listed	Not Listed	S4S5	100	
Downy Woodpecker	Picoides pubescens	7	Not Listed	Not Listed	Not Listed	SU	5	
Eastern Wood-Pewee	Contopus virens	6	Special Concern	Special Concern	Vulnerable	S3S4B	2	
Golden-crowned Kinglet	Regulus satrapa	6	Not Listed	Not Listed	Not Listed	S5	46	
Gray Jay	Perisoreus canadensis	6	Not Listed	Not Listed	Not Listed	S3	11	
Hairy Woodpecker	Picoides villosus	7	Not Listed	Not Listed	Not Listed	SU	16	
Herring Gull	Larus argentatus	2	Not Listed	Not Listed	Not Listed	S5	1	
Hermit Thrush	Catharus guttatus	6	Not Listed	Not Listed	Not Listed	S5B	18	
Magnolia Warbler	Dendroica magnolia	6	Not Listed	Not Listed	Not Listed	S5	4	
Northern Flicker	Colaptes auratus	7	Not Listed	Not Listed	Not Listed	S5B	9	
Northern Harrier	Circus cyaneus	4	Not Listed	Not at Risk	Not Listed	SU	1	
Northern Parula	Parula americana	6	Not Listed	Not Listed	Not Listed	SU	2	
Ovenbird	Seiurus aurocapilla	6	Not Listed	Not Listed	Not Listed	S5B	2	
Palm Warbler	Dendroica palmarum	6	Not Listed	Not Listed	Not Listed	S5	65	
Pine Siskin	Carduelis pinus	6	Not Listed	Not Listed	Not Listed	S5	1	
Pine Warbler	Dendroica pinus	6	Not Listed	Not Listed	Not Listed	S5	1	
Pileated Woodpecker	Dryocopus pileatus	7	Not Listed	Not Listed	Not Listed	S5	7	
Purple Finch	Carpodacus purpureus	6	Not Listed	Not Listed	Not Listed	S5	10	
Red-breasted Nuthatch	Sitta canadensis	6	Not Listed	Not Listed	Not Listed	S4S5	29	
Ruby-crowned Kinglet	Regulus calendula	6	Not Listed	Not Listed	Not Listed	S5	3	
Red Crossbill	Loxia curvirostra	6	Not Listed	Not Listed	Not Listed	S3S4	9	
Red-eyed Vireo	Vireo olivaceus	6	Not Listed	Not Listed	Not Listed	S5B	3	
Red-tailed Hawk	Buteo jamaicensis	4	Not Listed	Not at Risk	Not Listed	S5	4	
Ruffed Grouse	Bonasa umbellus	7	Not Listed	Not Listed	Not Listed	S5	5	
Song Sparrow	Melospiza melodia	6	Not Listed	Not Listed	Not Listed	S5B	24	
Sharp-shinned Hawk	Accipiter striatus	4	Not Listed	Not at Risk	Not Listed	S5	1	
Swamp Sparrow	Melospiza georgiana	6	Not Listed	Not Listed	Not Listed	S5B	20	
Swainson's Thrush	Catharus ustulatus	6	Not Listed	Not Listed	Not Listed	S4B,S5M	3	
Winter Wren	Troglodytes troglodytes	6	Not Listed	Not Listed	Not Listed	SU	4	
White-throated Sparrow	Zonotrichia albicollis	6	Not Listed	Not Listed	Not Listed	S4S5B,S5M	21	
White-winged Crossbill	Loxia leucoptera	6	Not Listed	Not Listed	Not Listed	S4S5	8	
Yellow-rumped Warbler	Dendroica coronata	6	Not Listed	Not Listed	Not Listed	S5	54	
Warbler Species	N/A	6	N/A	N/A	N/A	N/A	10	

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Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
9-5-21	PC	1	6:45	10	bcch	Black-capped Chickadee	2	Calling	0	Southeast				
9-5-21	PC				gcki	Golden-crowned Kinglet	2	Calling	0	Southeast				
9-5-21	PC				rbnu	Red-breasted Nuthatch	1	Calling	50	Southwest				
9-5-21	PC				pawa	Palm Warbler	2	Calling	0	East				
9-5-21	PC				blja	Blue Jay	1	Calling	100	West				
9-5-21	PC				baww	Black-and-white Warbler	1	Calling	0	West				
9-5-21	PC				oven	Ovenbird	1	Calling	0	West				
9-5-21	PC				nopa	Northern Parula	1	Calling	0	West				
9-5-21	PC				deju	Dark-eyed Junco	8	Calling			Y			
9-5-21	PC	2	7:09	10	swsp	Swamp Sparrow	1	Calling	0	West				
9-5-21	PC				deju	Dark-eyed Junco	1	Calling	0	West				
9-5-21	PC				coye	Common Yellowthroat	1	Calling	0	West				
9-5-21	PC				sosp	Song Sparrow	1	Calling	0	West				
9-5-21	PC				pawa	Palm Warbler	1	Calling	0	West				
9-5-21	PC				warb sp	Warbler Species	1	Calling	0	West				
9-5-21	PC				blja	Blue Jay	1	Calling	100	East				
9-5-21	PC	3	7:26	10	baww	Black-and-white Warbler	1	Singing	0	Southwest				
9-5-21	PC				coye	Common Yellowthroat	3	Calling	0	Southwest				
9-5-21	PC				bcch	Black-capped Chickadee	4	Calling	0	Southwest				
9-5-21	PC				swsp	Swamp Sparrow	3	Calling	0	Southwest				
9-5-21	PC				pawa	Palm Warbler	1	Calling	0	West				
9-5-21	PC				heth	Hermit Thrush	1	Calling	0	North				
9-5-21	PC				dowo	Downy Woodpecker	1	Calling	50	West				
9-5-21	PC				nofl	Northern Flicker	1	Calling	50	West				
9-5-21	PC				btnw	Black-throated Green Warbler	1	Calling	0	Northwest				
9-5-21	PC				rbnu	Red-breasted Nuthatch	1	Calling	50	Northeast				
9-5-21	PC				amro	American Robin	1	Calling	50	East				
9-5-21	PC				hawo	Hairy Woodpecker	2	Calling	50	West				
9-5-21	PC	4	7:44	10	recr	Red Crossbill	1	Singing			Y			
9-5-21	PC				pawa	Palm Warbler	2	Calling	0	Southwest				
9-5-21	PC				wtsp	White-throated Sparrow	1	Calling	0	Southwest				
9-5-21	PC				deju	Dark-eyed Junco	1	Calling	0	Southwest				
9-5-21	PC				hawo	Hairy Woodpecker	1	Calling	100	East				
9-5-21	PC				cora	Common Raven	1	Calling	1000	North				
9-5-21	PC				coye	Common Yellowthroat	1	Calling	0	South				
9-5-21	PC				piwo	Pileated Woodpecker	1	Calling	100	Southeast				
9-5-21	PC				amgo	American Goldfinch	2	Calling	100	Southwest				
9-5-21	PC				heth	Hermit Thrush	1	Calling	0	Northwest				
9-5-21	PC				bcch	Black-capped Chickadee	2	Calling	50	Northwest				
9-5-21	PC	5	8:03	10	cswa	Chestnut-sided Warbler	1	Calling			Y			
9-5-21	PC				pawa	Palm Warbler	3	Calling			Y			
9-5-21	PC				deju	Dark-eyed Junco	4	Calling			Y			
9-5-21	PC				bcch	Black-capped Chickadee	2	Calling	50	Northwest				
9-5-21	PC				blja	Blue Jay	2	Calling	100	Northwest				
9-5-21	PC				coye	Common Yellowthroat	2	Calling	0	Southwest				
9-5-21	PC				rbnu	Red-breasted Nuthatch	1	Calling	50	North				
9-5-21	PC				amgo	American Goldfinch	4	Calling	50	East				
9-5-21	PC				mawa	Magnolia Warbler	1	Calling	0	North				
9-5-21	PC				heth	Hermit Thrush	1				Y			
9-5-21	PC				amke	American Kestrel	1				Y			
9-5-21	PC	6	8:23	10	yrwa	Yellow-rumped Warbler	1	Calling	0	West				
9-5-21	PC				pawa	Palm Warbler	1	Calling	0	West				
9-5-21	PC				heth	Hermit Thrush	2	Calling	0	West				
9-5-21	PC				nofl	Northern Flicker	1	Calling	100	West				
9-5-21	PC				bcch	Black-capped Chickadee	2	Calling	100	West				
9-5-21	PC				mawa	Magnolia Warbler	1	Calling	0	West				
9-5-21	PC				coye	Common Yellowthroat	1	Singing	0	West				
9-5-21	PC				blja	Blue Jay	1	Calling	100	West				
9-5-21	PC				oven	Ovenbird	1	Calling	0	West				
9-5-21	PC	7	8:44	10	coye	Common Yellowthroat	2	Calling	0	Southwest				
9-5-21	PC				amro	American Robin	2	Calling	50	West				
9-5-21	PC				blja	Blue Jay	1	Calling	100	Northwest				
9-5-21	PC				wtsp	White-throated Sparrow	2	Calling	0	Northwest				
9-5-21	PC				cedw	Cedar Waxwing	2	Calling	50	Northwest				
9-5-21	PC				heth	Hermit Thrush	1	Calling	0	Southwest				
9-5-21	PC				rbnu	Red-breasted Nuthatch	1	Calling	50	we				

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Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
9-5-21	PC				nofl	Northern Flicker	1	Calling	100	West				
9-5-21	PC				yrwa	Yellow-rumped Warbler	2	Passing	0	West				
9-5-21	PC				swsp	Swamp Sparrow	1	Calling	0	Southwest				
9-5-21	PC	8	9:02	10	pawa	Palm Warbler	2	Calling	0	Northeast				
9-5-21	PC				piwo	Pileated Woodpecker	1	Calling	100	Northwest				
9-5-21	PC				dowo	Downy Woodpecker	1	Passing	0	East				
9-5-21	PC				yrwa	Yellow-rumped Warbler	3	Passing	0	East				
9-5-21	PC				mawa	Magnolia Warbler	1	Calling	0	East				
9-5-21	PC				hawo	Hairy Woodpecker	1	Calling	50	East				
9-5-21	PC				bch	Black-capped Chickadee	2	Calling	50	Southeast				
9-5-21	PC	9	9:42	10	coye	Common Yellowthroat	1	Calling	0	Southwest				
9-5-21	PC				pawa	Palm Warbler	1	Calling	50	South				
9-5-21	PC				rtha	Red-tailed Hawk	1	Calling	100	Southwest				Juvenile
9-5-21	PC				sosp	Song Sparrow	4				Y			
9-5-21	PC				graj	Gray Jay	1				Y			20 t 352941, 4880725
9-5-21	PC	10	10:15	10	wtsp	White-throated Sparrow	1	Calling	0	Southwest				
9-5-21	PC				swsp	Swamp Sparrow	2	Calling	0	Southwest				
9-5-21	PC				yrwa	Yellow-rumped Warbler	1	Calling	50	West				
9-5-21	PC				nofl	Northern Flicker	2	Calling	50	West				
9-5-21	PC				graj	Gray Jay	2	Calling	100	West				
9-5-21	PC				pawa	Palm Warbler	2	Calling	0	West				
9-5-21	PC				hawo	Hairy Woodpecker	1	Calling	100	Southwest				
9-5-21	PC				heth	Hermit Thrush	1	Calling	0	West				
9-5-21	PC				brcr	Brown Creeper	1	Calling	0	West				
9-5-21	PC	11	10:32	10	amgo	American Goldfinch	2	Calling	0	West				
9-5-21	PC				coye	Common Yellowthroat	1	Calling	0	West				
9-5-21	PC				sosp	Song Sparrow	1	Calling	0	West				
9-5-21	PC				revi	Red-eyed Vireo	1	Calling	0	Northwest				
9-5-21	PC				swsp	Swamp Sparrow	1	Calling	0	Northwest				
9-5-21	PC				hawo	Hairy Woodpecker	1	Calling	0	North				
9-5-21	PC	12	10:48	10	yrwa	Yellow-rumped Warbler	1	Calling	0	South				
9-5-21	PC				btbw	Black-throated Blue Warbler	1	Singing	0	Southwest				
9-5-21	PC				wiwr	Winter Wren	1	Calling	0	West				
9-5-21	PC				gcki	Golden-crowned Kinglet	2	Calling	0	West				
9-5-21	PC				deju	Dark-eyed Junco	2	Calling	0	West				
9-5-21	PC				coye	Common Yellowthroat	2	Calling	0	West				
9-5-21	PC				brcr	Brown Creeper	1	Calling	0	Southwest				
9-5-21	PC				bch	Black-capped Chickadee	2	Calling	0	Southwest				
9-5-21	PC				nofl	Northern Flicker	1	Calling	0	Southwest				
9-5-21	PC				rbnu	Red-breasted Nuthatch	1	Calling	100	Southwest				
9-5-21	PC				rcki	Ruby-crowned Kinglet	1	Calling	0	Southwest				
9-5-21	PC				mawa	Magnolia Warbler	1	Calling	50	West				
9-5-21	PC	13	11:01	10	gcki	Golden-crowned Kinglet	3	Calling	0	South				
9-5-21	PC				coye	Common Yellowthroat	1	Calling	0	West				
9-5-21	PC				wocr	White-winged Crossbill	2	Calling	50	Southwest				
9-5-21	PC				rigr	Ruffed Grouse	1	Flushed	0	Northwest				
9-5-21	PC	14	11:15	10	bch	Black-capped Chickadee	4	Calling	west					
9-5-21	PC				pawa	Palm Warbler	1	Calling	east					
9-5-21	PC				eawp	Eastern Wood-Pewee	1	Singing	50	Southwest				
9-5-21	PC				coye	Common Yellowthroat	1	Passing	0	West				
9-5-21	PC				nofl	Northern Flicker	1	Calling	100	Southwest				
9-5-21	PC				blja	Blue Jay	1	Calling	100	Southwest				
9-5-21	PC				recr	Red Crossbill	1	Calling	50	Southwest				
9-5-21	PC				rbnu	Red-breasted Nuthatch	1	Calling	100	Southwest				
9-5-21	PC				deju	Dark-eyed Junco	2	Calling	50	Southwest				
9-5-21	PC				bhvi	Blue-headed Vireo	1	Singing	50	Southeast				
9-5-21	PC	15	11:29	10	wtsp	White-throated Sparrow	1	Calling	0	Northeast				
9-5-21	PC				coye	Common Yellowthroat	1	Calling	0	North				
9-5-21	PC	16	11:15	10	pawa	Palm Warbler	2				Y			
9-5-21	PC				bch	Black-capped Chickadee	3				Y			
9-5-21	PC				coye	Common Yellowthroat	2				Y			
9-5-21	PC				deju	Dark-eyed Junco	2	Passing	0	Southeast				
9-5-21	PC				blja	Blue Jay	2	Calling	100	Southeast				
9-5-21	PC				rbnu	Red-breasted Nuthatch	1	Calling	50	Northwest				
9-8-21	PC	17	6:49	10	deju	Dark-eyed Junco	8	Flushed	0	West				
9-8-21	PC				rbnu	Red-breasted Nuthatch	1	Calling	0	Southwest				

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Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
9-8-21	PC				swth	Swainson's Thrush	1	Calling	0	North				
9-8-21	PC				hawo	Hairy Woodpecker	1	Calling	50	South				
9-8-21	PC				cora	Common Raven	1	Calling	50	North				
9-8-21	PC	19	7:24	10	rbnu	Red-breasted Nuthatch	1	Calling	100	Northwest				
9-8-21	PC				coye	Common Yellowthroat	2	Calling	0	West				
9-8-21	PC				pawa	Palm Warbler	1	Calling	0	Northwest				
9-8-21	PC				colo	Common Loon	1	Calling	500	East				
9-8-21	PC				yrwa	Yellow-rumped Warbler	1	Calling	50	West				
9-8-21	PC				deju	Dark-eyed Junco	3	Calling	50	Northeast				
9-8-21	PC				bcch	Black-capped Chickadee	1	Calling	0	Northwest				
9-8-21	PC	20	7:40	10	bhvi	Blue-headed Vireo	1	Calling	0	West				
9-8-21	PC				pawa	Palm Warbler	1	Calling	0	West				
9-8-21	PC				yrwa	Yellow-rumped Warbler	1	Calling	0	West				
9-8-21	PC				deju	Dark-eyed Junco	3	Calling	0	West				
9-8-21	PC				piwo	Pileated Woodpecker	1	Calling	250	Southwest				
9-8-21	PC				hawo	Hairy Woodpecker	1	Calling	0	Northeast				
9-8-21	PC				cedw	Cedar Waxwing	2	Calling	0	North				
9-8-21	PC				btbw	Black-throated Blue Warbler	1	Calling	0	Northeast				
9-8-21	PC				nopa	Northern Parula	1	Calling	0	Southeast				
9-8-21	PC	21	7:54	10	deju	Dark-eyed Junco	1	Calling	0	Northwest				
9-8-21	PC				swsp	Swamp Sparrow	1	Calling	0	West				
9-8-21	PC				bcch	Black-capped Chickadee	1	Calling	0	Northwest				
9-8-21	PC				deju	Dark-eyed Junco	1	Calling	0	Northwest				
9-8-21	PC				hawo	Hairy Woodpecker	1	Calling	100	Northwest				
9-8-21	PC				pawa	Palm Warbler	1	Calling	0	Northwest				
9-8-21	PC	22	8:08	10	cora	Common Raven	1	Calling	250	North				
9-8-21	PC				baea	Bald Eagle	1	Perched	250	North				
9-8-21	PC				heth	Hermit Thrush	1	Calling	0	Northeast				
9-8-21	PC				pawa	Palm Warbler	3	Calling	0	Northwest				
9-8-21	PC				piwo	Pileated Woodpecker	1	Calling	250	South				
9-8-21	PC				colo	Common Loon	1	Calling	1000	Northeast				
9-8-21	PC				herg	Herring Gull	1	Passing	100	South				
9-8-21	PC				coye	Common Yellowthroat	1	Calling	0	East				
9-8-21	PC				cedw	Cedar Waxwing	21	Passing	50	Northeast			Southwest	
9-8-21	PC	23	8:24	10	gcki	Golden-crowned Kinglet	1	Calling	0	West				
9-8-21	PC				bcch	Black-capped Chickadee	3	Calling	0	West				
9-8-21	PC				hawo	Hairy Woodpecker	1	Calling	0	South				
9-8-21	PC				pawa	Palm Warbler	1	Calling	0	South				
9-8-21	PC				yrwa	Yellow-rumped Warbler	1	Calling	0	Southeast				
9-8-21	PC				dowo	Downy Woodpecker	1	Calling	100	South				
9-8-21	PC				cora	Common Raven	1	Calling	100	Southwest				
9-8-21	PC				blja	Blue Jay	2	Calling	0	Southwest				
9-8-21	PC				brcr	Brown Creeper	2	Calling	0	West				
9-8-21	PC				rbnu	Red-breasted Nuthatch	1	Calling	50	West				
9-8-21	PC				colo	Common Loon	1	Calling	500	East				
9-8-21	PC				rtha	Red-tailed Hawk	1	Passing	100	South			Southwest	
9-8-21	PC				nofl	Northern Flicker	1	Calling	100	South				
9-8-21	PC	24	8:38	10	bcch	Black-capped Chickadee	1	Calling	50	South				
9-8-21	PC				pawa	Palm Warbler	2	Calling	0	Southwest				
9-8-21	PC				rbnu	Red-breasted Nuthatch	1	Calling	50	Southwest				
9-8-21	PC				yrwa	Yellow-rumped Warbler	2	Calling	0	South				
9-8-21	PC	25	9:06	10	btbw	Black-throated Blue Warbler	1	Singing	0	South				
9-8-21	PC				bcch	Black-capped Chickadee	2	Calling	0	South				
9-8-21	PC				wiwr	Winter Wren	1	Calling	0	South				
9-8-21	PC				brcr	Brown Creeper	2	Calling	0	South				
9-8-21	PC				amro	American Robin	3	Calling	0	South				
9-8-21	PC				blpw	Blackpoll Warbler	1	Calling	0	South				
9-8-21	PC				swth	Swainson's Thrush	1	Calling	0	South				
9-8-21	PC				wtsp	White-throated Sparrow	3	Flushed	0	South				
9-8-21	PC				deju	Dark-eyed Junco	1	Flushed	0	South				
9-8-21	PC				bhvi	Blue-headed Vireo	1	Calling	0	South				
9-8-21	PC				rbnu	Red-breasted Nuthatch	2	Calling	0	Southwest				
9-8-21	PC				pawa	Palm Warbler	1	Calling	0	Southwest				
9-8-21	PC				blja	Blue Jay	2	Calling	0	Northeast				
9-8-21	PC				pufi	Purple Finch	1	Calling	100	North				
9-8-21	PC	26	9:43	10	swsp	Swamp Sparrow	1	Calling	0	Northwest				

Table 4: Data - 2021 Fall Migration Bird Point Count Surveys - Mersey River Wind Farm Project

Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
9-8-21	PC				rugr	Ruffed Grouse	1	Flushed	0	Northeast				
9-8-21	PC				coye	Common Yellowthroat	1	Calling	0	Northwest				
9-8-21	PC				wtsp	White-throated Sparrow	1	Calling	0	Northwest				
9-8-21	PC				deju	Dark-eyed Junco	1	Calling	0	Northwest				
9-8-21	PC				yrwa	Yellow-rumped Warbler	1	Calling	0	Northwest				
9-8-21	PC	27	10:13	10	bcch	Black-capped Chickadee	1	Calling	50	South				
9-8-21	PC				swsp	Swamp Sparrow	1	Calling	50	South				
9-8-21	PC				cora	Common Raven	1	Calling	100	Northwest				
9-8-21	PC				coye	Common Yellowthroat	2	Calling	100	West				
9-8-21	PC				dowo	Downy Woodpecker	1	Calling	50	South				
9-8-21	PC				yrwa	Yellow-rumped Warbler	1	Calling	100	South				
9-8-21	PC				pawa	Palm Warbler	1	Calling	0	South				
9-8-21	PC	28	10:30	10	yrwa	Yellow-rumped Warbler	1	Calling	0	Northwest				
9-8-21	PC				deju	Dark-eyed Junco	2				Y			
9-8-21	PC				pawa	Palm Warbler	1				Y			
9-8-21	PC				swsp	Swamp Sparrow	3				Y			
9-8-21	PC				wtsp	White-throated Sparrow	1				Y			
9-8-21	PC				sosp	Song Sparrow	2				Y			
9-8-21	PC				bcch	Black-capped Chickadee	1				Y			
9-8-21	PC				coye	Common Yellowthroat	1				Y			
9-19-21	PC	16	6:56	10	heth	Hermit Thrush	1	Calling	0					
9-19-21	PC				deju	Dark-eyed Junco	11	Calling	0					
9-19-21	PC				sosp	Song Sparrow	2	Calling	0					
9-19-21	PC				wtsp	White-throated Sparrow	5	Calling	0					
9-19-21	PC				coye	Common Yellowthroat	2	Calling	0					
9-19-21	PC				bcch	Black-capped Chickadee	5	Calling	0					
9-19-21	PC				pawa	Palm Warbler	4	Calling	0					
9-19-21	PC				cedw	Cedar Waxwing	3	Calling	0					
9-19-21	PC				blja	Blue Jay	2	Calling	100					
9-19-21	PC	15	7:26	10	pawa	Palm Warbler	3	Calling	0					
9-19-21	PC				warb sp	Warbler Species	1	Calling	0					
9-19-21	PC				deju	Dark-eyed Junco	2	Calling	0					
9-19-21	PC				wtsp	White-throated Sparrow	2	Calling	0					
9-19-21	PC				swsp	Swamp Sparrow	1	Calling	0					
9-19-21	PC				sosp	Song Sparrow	2	Calling	0					
9-19-21	PC				gcki	Golden-crowned Kinglet	2	Calling	50					
9-19-21	PC				deju	Dark-eyed Junco	6				Y			
9-19-21	PC	14	7:41	10	rbnu	Red-breasted Nuthatch	1	Calling	50					
9-19-21	PC				amro	American Robin	4	Passing	50					
9-19-21	PC				blja	Blue Jay	2	Passing	100					
9-19-21	PC				warb sp	Warbler Species	1	Calling	0					
9-19-21	PC				pawa	Palm Warbler	1	Calling	0					
9-19-21	PC	13	7:55	10	rbnu	Red-breasted Nuthatch	2	Passing	50					
9-19-21	PC				pawa	Palm Warbler	2	Calling	0					
9-19-21	PC				bcch	Black-capped Chickadee	6	Calling	0					
9-19-21	PC				gcki	Golden-crowned Kinglet	3	Calling	0					
9-19-21	PC				dowo	Downy Woodpecker	1	Calling	50					
9-19-21	PC				blja	Blue Jay	1	Calling	100					
9-19-21	PC				deju	Dark-eyed Junco	3				Y			
9-19-21	PC				swsp	Swamp Sparrow	1				Y			
9-19-21	PC				bhvi	Blue-headed Vireo	1				Y			
9-19-21	PC				warb sp	Warbler Species	1				Y			
9-19-21	PC	12	8:14	10	cora	Common Raven	2	Calling	100					
9-19-21	PC				yrwa	Yellow-rumped Warbler	1	Calling	0					
9-19-21	PC				bcch	Black-capped Chickadee	2				Y			
9-19-21	PC				heth	Hermit Thrush	1				Y			
9-19-21	PC				bhvi	Blue-headed Vireo	1				Y			
9-19-21	PC				yrwa	Yellow-rumped Warbler	2				Y			
9-19-21	PC				deju	Dark-eyed Junco	2				Y			
9-19-21	PC	11	8:30	10	yrwa	Yellow-rumped Warbler	1	Calling	0					
9-19-21	PC				gcki	Golden-crowned Kinglet	1	Calling	0					
9-19-21	PC				bcch	Black-capped Chickadee	1	Calling	0					
9-19-21	PC				pawa	Palm Warbler	1	Calling	0					
9-19-21	PC	10	8:44	10	graj	Gray Jay	2	Calling	0					
9-19-21	PC				yrwa	Yellow-rumped Warbler	8	Calling	0					
9-19-21	PC				swsp	Swamp Sparrow	1	Calling	0					

Table 4: Data - 2021 Fall Migration Bird Point Count Surveys - Mersey River Wind Farm Project

Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
9-19-21	PC				nofl	Northern Flicker	1	Flushed	0					
9-19-21	PC				sosp	Song Sparrow	1	Calling	0					
9-19-21	PC				gcki	Golden-crowned Kinglet	2	Calling	0					
9-19-21	PC	9	9:01	10	eawp	Eastern Wood-Pewee	1	Calling	50	West				
9-19-21	PC				blja	Blue Jay	1	Calling	100					
9-19-21	PC	8	9:16	10	deju	Dark-eyed Junco	1	Calling	0					
9-19-21	PC	7	9:31	10	swsp	Swamp Sparrow	1	Calling	0					
9-19-21	PC				coye	Common Yellowthroat	1	Calling	0					
9-19-21	PC				sosp	Song Sparrow	1	Calling	0					
9-19-21	PC				wtsp	White-throated Sparrow	1	Calling	0					
9-19-21	PC				yrwa	Yellow-rumped Warbler	1	Calling	0					
9-19-21	PC	6	9:52	10	pawa	Palm Warbler	3	Calling	0					
9-19-21	PC				sosp	Song Sparrow	3				Y			
9-19-21	PC				deju	Dark-eyed Junco	7				Y			
9-19-21	PC				pawa	Palm Warbler	2				Y			
9-19-21	PC				wtsp	White-throated Sparrow	1				Y			
9-19-21	PC				coye	Common Yellowthroat	3				Y			
9-19-21	PC	5	10:13	10	bcch	Black-capped Chickadee	3	Calling	0					
9-19-21	PC				deju	Dark-eyed Junco	2	Calling	0					
9-19-21	PC				pawa	Palm Warbler	1	Calling	0					
9-19-21	PC				blpw	Blackpoll Warbler	1	Calling	0					
9-19-21	PC				revi	Red-eyed Vireo	2	Calling	0					
9-19-21	PC	4	10:32	10	sosp	Song Sparrow	1	Calling	0					
9-19-21	PC				cora	Common Raven	1	Calling	500					
9-19-21	PC				graj	Gray Jay	2	Calling	0					
9-19-21	PC	3	10:50	10	bcch	Black-capped Chickadee	4	Calling	0					Black bear on road, near point
9-19-21	PC				sosp	Song Sparrow	1	Calling	0					
9-19-21	PC	2	11:09	10	yrwa	Yellow-rumped Warbler	2	Calling	0					
9-19-21	PC				swsp	Swamp Sparrow	1	Calling	0					
9-19-21	PC				blja	Blue Jay	1	Calling	0					
9-19-21	PC				heth	Hermit Thrush	1	Calling	0					
9-19-21	PC				bcch	Black-capped Chickadee	4	Calling	0					
9-19-21	PC				btwn	Black-throated Green Warbler	1	Calling	0					
9-19-21	PC	1	11:29	10	rbnu	Red-breasted Nuthatch	1	Calling	0					
9-19-21	PC				bcch	Black-capped Chickadee	3	Calling	0					
9-19-21	PC				yrwa	Yellow-rumped Warbler	9	Calling	0					
9-19-21	PC				gcki	Golden-crowned Kinglet	2	Calling	0					
9-19-21	PC				graj	Gray Jay	1	Calling	50					
9-19-21	PC				blpw	Blackpoll Warbler	3	Calling	0					
9-19-21	PC				warb sp	Warbler Species	6	Calling	0					
9-19-21	PC				coye	Common Yellowthroat	1	Calling	0					
9-19-21	PC				pawa	Palm Warbler	2	Calling	0					
9-19-21	PC				blja	Blue Jay	1	Calling	0					
10-3-21	PC	17	7:18	10	rcki	Ruby-crowned Kinglet	1	Calling	0					
10-3-21	PC				yrwa	Yellow-rumped Warbler	2	Calling	0					
10-3-21	PC				blpw	Blackpoll Warbler	1	Calling	0					
10-3-21	PC				abdu	American Black Duck	1	Calling	100					
10-3-21	PC				cogr	Common Grackle	1	Calling	100					
10-3-21	PC				pawa	Palm Warbler	3	Calling	0					
10-3-21	PC	18	7:41	10	gcki	Golden-crowned Kinglet	3	Calling	0					
10-3-21	PC				heth	Hermit Thrush	1	Calling	0					
10-3-21	PC	19	8:22	10	yrwa	Yellow-rumped Warbler	1	Calling	0					
10-3-21	PC				gcki	Golden-crowned Kinglet	2	Calling	0					
10-3-21	PC				piwo	Pileated Woodpecker	1	Calling	100					
10-3-21	PC				pawa	Palm Warbler	3	Calling	0					
10-3-21	PC				heth	Hermit Thrush	1	Calling	0					
10-3-21	PC				pufi	Purple Finch	1	Flyover	0	East			Southwest	
10-3-21	PC				rbnu	Red-breasted Nuthatch	1	Calling	50	Northeast				
10-3-21	PC	20	8:38	10	yrwa	Yellow-rumped Warbler	1	Calling	0					
10-3-21	PC				cora	Common Raven	1	Calling	250					
10-3-21	PC				pufi	Purple Finch	1	Calling	100					
10-3-21	PC	21	8:55	10	pawa	Palm Warbler	1	Calling	0					
10-3-21	PC				cedw	Cedar Waxwing	1	Calling	0					
10-3-21	PC				pufi	Purple Finch	1	Calling	100					
10-3-21	PC				hawo	Hairy Woodpecker	1	Calling	100					
10-3-21	PC				rbnu	Red-breasted Nuthatch	1	Calling	100	Northwest				

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Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
10-3-21	PC				bcch	Black-capped Chickadee	2	Calling	50					
10-3-21	PC				brcr	Brown Creeper	1	Calling	0					
10-3-21	PC				deju	Dark-eyed Junco	1	Calling	0					
10-3-21	PC				piwa	Pine Warbler	1	Foraging	0					
10-3-21	PC	22	9:12	10	pawa	Palm Warbler	4	Foraging	0					
10-3-21	PC				bcch	Black-capped Chickadee	2	Calling	50					
10-3-21	PC				yrwa	Yellow-rumped Warbler	1	Calling	0					
10-3-21	PC				gcki	Golden-crowned Kinglet	1	Calling	0					
10-3-21	PC				deju	Dark-eyed Junco	1	Calling	0					
10-3-21	PC				sosp	Song Sparrow	1	Singing	0					
10-3-21	PC				rcki	Ruby-crowned Kinglet	1	Calling	0					
10-3-21	PC				blja	Blue Jay	1	Calling	100					
10-3-21	PC				sosp	Song Sparrow	1	Calling	0					
10-3-21	PC				rbnu	Red-breasted Nuthatch	2	Calling	50					
10-3-21	PC				wiwr	Winter Wren	1	Calling	50					
10-3-21	PC	23	9:27	10	sosp	Song Sparrow	1	Calling	0					
10-3-21	PC				pufi	Purple Finch	1	Calling	0					
10-3-21	PC				deju	Dark-eyed Junco	1	Calling	0					
10-3-21	PC				pawa	Palm Warbler	1	Calling	0					
10-3-21	PC				yrwa	Yellow-rumped Warbler	1	Calling	0					
10-3-21	PC				amgo	American Goldfinch	1	Calling	50					
10-3-21	PC				rbnu	Red-breasted Nuthatch	1	Calling	50					
10-3-21	PC				swth	Swainson's Thrush	1	Calling	0					
10-3-21	PC	24	9:47	10	swsp	Swamp Sparrow	1	Calling	0					
10-3-21	PC				wiwr	Winter Wren	1	Calling	0					
10-3-21	PC				blja	Blue Jay	1	Calling	100					
10-3-21	PC				yrwa	Yellow-rumped Warbler	1	Calling	0					
10-3-21	PC				deju	Dark-eyed Junco	7	Flushed	0					
10-3-21	PC				bcch	Black-capped Chickadee	1	Singing	100					
10-3-21	PC				hawa	Hairy Woodpecker	1	Calling	50					
10-3-21	PC	27	10:06	10	blja	Blue Jay	2	Calling	50					
10-3-21	PC				deju	Dark-eyed Junco	1	Calling	0					
10-3-21	PC				rtha	Red-tailed Hawk	2				Y			
10-3-21	PC				cora	Common Raven	1	Calling	500					
10-3-21	PC	28	10:19	10	pawa	Palm Warbler	1	Calling	0					
10-3-21	PC				yrwa	Yellow-rumped Warbler	1	Calling	0					
10-3-21	PC				heth	Hermit Thrush	1	Calling	0					
10-3-21	PC				gcki	Golden-crowned Kinglet	1	Calling	0					
10-3-21	PC	25	10:42	10	pawa	Palm Warbler	2	Calling	0					
10-3-21	PC				cora	Common Raven	2	Calling	0					
10-3-21	PC				pufi	Purple Finch	1	Flyover	0	North			South	
10-3-21	PC				heth	Hermit Thrush	1	Calling	0					
10-3-21	PC				gcki	Golden-crowned Kinglet	1	Calling	0					
10-19-21	PC	18	7:48	10	baea	Bald Eagle	1	Passing	50					
10-19-21	PC				blja	Blue Jay	1	Calling	50					
10-19-21	PC				amcr	American Crow	1	Calling	100					
10-19-21	PC				amro	American Robin	4	Passing	0	Southeast			Northwest	
10-19-21	PC				blpw	Blackpoll Warbler	1	Calling	0					
10-19-21	PC				amro	American Robin	6	Passing	0	Southeast			Northwest	
10-19-21	PC	17	8:03	10	gcki	Golden-crowned Kinglet	3	Calling	0					
10-19-21	PC				yrwa	Yellow-rumped Warbler	1	Calling	0					
10-19-21	PC				bcch	Black-capped Chickadee	4	Calling	0					
10-19-21	PC				rbnu	Red-breasted Nuthatch	2	Calling	0					
10-19-21	PC				dcco	Double-crested Cormorant	1	Passing	0	Southwest			Northeast	
10-19-21	PC				amro	American Robin	1	Passing	0	Northeast			Southwest	
10-19-21	PC	19	8:40	10	gcki	Golden-crowned Kinglet	2	Calling	50					
10-19-21	PC				hawa	Hairy Woodpecker	1	Foraging	50					
10-19-21	PC	20	8:57	10	gcki	Golden-crowned Kinglet	2	Calling	0					
10-19-21	PC				pufi	Purple Finch	1	Calling	0					
10-19-21	PC				bcch	Black-capped Chickadee	3	Calling	0					
10-19-21	PC				deju	Dark-eyed Junco	1	Calling	0					
10-19-21	PC				wocr	White-winged Crossbill	2	Calling	100					
10-19-21	PC	21	9:13	10	gcki	Golden-crowned Kinglet	2	Calling	0					
10-19-21	PC				bcch	Black-capped Chickadee	3	Calling	0					
10-19-21	PC				bdow	Barred Owl	2	Calling	50					
10-19-21	PC				wocr	White-winged Crossbill	3	Calling	100					

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Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
10-19-21	PC				heth	Hermit Thrush	1	Calling	50					
10-19-21	PC				rbnu	Red-breasted Nuthatch	1	Calling	50					
10-19-21	PC	22	9:34	10	amke	American Kestrel	1	Passing	100	North			Northwest	
10-19-21	PC				gcki	Golden-crowned Kinglet	1	Calling	50					
10-19-21	PC				pufi	Purple Finch	1	Passing	0	Northeast			Southwest	
10-19-21	PC				bcch	Black-capped Chickadee	2	Calling	50					
10-19-21	PC				yrwa	Yellow-rumped Warbler	1	Calling	50					
10-19-21	PC	23	9:50	10	brcr	Brown Creeper	1	Calling	50					
10-19-21	PC				rbnu	Red-breasted Nuthatch	1	Calling	50					
10-19-21	PC				wtsp	White-throated Sparrow	1	Calling	50					
10-19-21	PC				bcch	Black-capped Chickadee	1	Calling	50					
10-19-21	PC				wocr	White-winged Crossbill	1	Passing	0	Southeast			Northwest	
10-19-21	PC				rugr	Ruffed Grouse	2	Flushed	0					
10-19-21	PC	24	10:12	10	deju	Dark-eyed Junco	4	Calling	50					
10-19-21	PC				blja	Blue Jay	1	Calling	100					
10-19-21	PC				brcr	Brown Creeper	1	Calling	50					
10-19-21	PC				sosp	Song Sparrow	1	Calling	0					
10-19-21	PC	27	10:33	10	deju	Dark-eyed Junco	2	Calling	0					
10-19-21	PC				amro	American Robin	1	Calling	0					
10-19-21	PC	28	10:49	10	pisi	Pine Siskin	1	Passing	0	Northwest			East	
10-19-21	PC				deju	Dark-eyed Junco	1	Calling	0					
10-19-21	PC	25	11:16	10	deju	Dark-eyed Junco	1	Calling	0					
10-19-21	PC				gcki	Golden-crowned Kinglet	1	Calling	0					
10-19-21	PC				yrwa	Yellow-rumped Warbler	1	Calling	0					
10-20-21	PC	1	7:36	10	gcki	Golden-crowned Kinglet	2	Calling	0					
10-20-21	PC				piwo	Pileated Woodpecker	1	Calling	100					
10-20-21	PC	2	7:54	10	amwo	American Woodcock	1	Flushed	50	East				
10-20-21	PC				hawo	Hairy Woodpecker	1	Calling	50					
10-20-21	PC				amro	American Robin	1	Calling	50					
10-20-21	PC	3	8:08	10	gcki	Golden-crowned Kinglet	1	Calling	0					
10-20-21	PC				pufi	Purple Finch	1	Calling	50					
10-20-21	PC				amcr	American Crow	2	Calling	500					
10-20-21	PC				yrwa	Yellow-rumped Warbler	1	Calling	0					
10-20-21	PC	4	8:22	10	pawa	Palm Warbler	1	Calling	0					
10-20-21	PC				hawo	Hairy Woodpecker	1	Calling	0					
10-20-21	PC				cora	Common Raven	1	Calling	100					
10-20-21	PC	5	8:41	10	cora	Common Raven	1	Calling	100					
10-20-21	PC				gcki	Golden-crowned Kinglet	1	Calling	0					
10-20-21	PC				piwo	Pileated Woodpecker	1	Calling	100					
10-20-21	PC				yrwa	Yellow-rumped Warbler	1	Calling	0					
10-20-21	PC	6	9:07	10	blja	Blue Jay	1	Calling	0					
10-20-21	PC				cora	Common Raven	1	Calling	1000					
10-20-21	PC	7	9:24	10	amro	American Robin	2	Calling	100					
10-20-21	PC				deju	Dark-eyed Junco	2	Calling	0					
10-20-21	PC				gcki	Golden-crowned Kinglet	2	Calling	0					
10-20-21	PC				heth	Hermit Thrush	2	Calling	50					
10-20-21	PC				bcch	Black-capped Chickadee	4	Calling	0					
10-20-21	PC				rbnu	Red-breasted Nuthatch	1	Calling	0					
10-20-21	PC				blja	Blue Jay	1	Calling	100					
10-20-21	PC	8	9:40	10	graj	Gray Jay	3	Calling	0					
10-20-21	PC				gcki	Golden-crowned Kinglet	1	Calling	0					
10-20-21	PC				ssha	Sharp-shinned Hawk	1	Passing	0					Harassing gray jays
10-20-21	PC				bcch	Black-capped Chickadee	1	Calling	0					
10-20-21	PC				hawo	Hairy Woodpecker	1	Calling	50					
10-20-21	PC				rbnu	Red-breasted Nuthatch	2	Calling	0					
10-20-21	PC				rugr	Ruffed Grouse	1	Calling	0					
10-20-21	PC				blja	Blue Jay	1	Calling	100					
10-20-21	PC	9	9:57	10	bcch	Black-capped Chickadee	3	Calling	0					
10-20-21	PC				blja	Blue Jay	1	Calling	50					
10-20-21	PC				gcki	Golden-crowned Kinglet	2	Calling	0					
10-20-21	PC				pufi	Purple Finch	1	Calling	0					
10-20-21	PC				noha	Northern Harrier	1	Passing	0	Southeast			Northwest	
10-20-21	PC				amro	American Robin	1	Calling	0					
10-20-21	PC				wtsp	White-throated Sparrow	1	Calling	0					
10-20-21	PC	10	10:42	10	no birds									
10-20-21	PC	11	10:56	10	blja	Blue Jay	1	Calling	100					

Table 4: Data - 2021 Fall Migration Bird Point Count Surveys - Mersey River Wind Farm Project

Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
10-20-21	PC				yrwa	Yellow-rumped Warbler	1	Calling	0					
10-20-21	PC				cora	Common Raven	1	Passing	50					
10-20-21	PC	12	11:17	10	sosp	Song Sparrow	1				Y			
10-20-21	PC				deju	Dark-eyed Junco	2				Y			
10-20-21	PC	13	11:31	10	cora	Common Raven	1	Calling	100					
10-20-21	PC	14	11:48	10	recr	Red Crossbill	7	Calling	50					
10-20-21	PC	15	12:02	10	blja	Blue Jay	1	Calling	100					
10-20-21	PC	16	12:17	10	deju	Dark-eyed Junco	2				Y			
10-20-21	PC				cora	Common Raven	1	Calling	500					

Table 5: Species Summary - 2021 Fall Migration Bird Diurnal Count Surveys - Mersey River Wind Farm Project

Project # 21-7833

Common Name	Scientific Name	Bird Group	SARA	COSEWIC	NSESA	NS S-Rank	Number Observed	Breeding Evidence
American Black Duck	Anas rubripes	1	Not Listed	Not Listed	Not Listed	S5B,S5N	2	
American Crow	Corvus brachyrhynchos	6	Not Listed	Not Listed	Not Listed	S5	1	
American Kestrel	Falco sparverius	4	Not Listed	Not Listed	Not Listed	S3B,S4S5M	1	
Bald Eagle	Haliaeetus leucocephalus	4	Not Listed	Not at Risk	Not Listed	S5	8	
Chipping Sparrow	Spizella passerina	6	Not Listed	Not Listed	Not Listed	S4B,S5M	1	
Common Grackle	Quiscalus quiscula	6	Not Listed	Not Listed	Not Listed	S5B	2	
Common Raven	Corvus corax	6	Not Listed	Not Listed	Not Listed	S5	6	
Double-crested Cormorant	Phalacrocorax auritus	2	Not Listed	Not at Risk	Not Listed	SU	1	
Gray Jay	Perisoreus canadensis	6	Not Listed	Not Listed	Not Listed	S3	1	
Red Crossbill	Loxia curvirostra	6	Not Listed	Not Listed	Not Listed	S3S4	4	
Passerine Species	N/A	6	N/A	N/A	N/A	N/A	3	
Raptor Species	N/A	4	N/A	N/A	N/A	N/A	1	

Table 6: Data - 2021 Fall Migration Bird Diurnal Count Surveys - Mersey River Wind Farm Project

Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
10-3-21	Diurnal	hawk 1	11:03	30	passerine sp	Passerine Species	1	Passing	250	North			West	
10-3-21	Diurnal		11:33	30	graj	Gray Jay	1				Y			
10-3-21	Diurnal				cora	Common Raven	1	Passing	250	North			Southwest	
10-3-21	Diurnal				recr	Red Crossbill	3	Passing	100	Northwest			Northeast	
10-3-21	Diurnal				cora	Common Raven	2	Passing	2000	North				
10-3-21	Diurnal				baea	Bald Eagle	1	Circling	3000	North			Circling	
10-3-21	Diurnal				dcco	Double-crested Cormorant	1	Circling	3000	Northeast				
10-3-21	Diurnal				baea	Bald Eagle	2	Circling	2000	North			West	Circling, slowly moving west
10-3-21	Diurnal		12:03	30	cora	Common Raven	1	Passing	2000	North			West	
10-3-21	Diurnal		12:33	30	baea	Bald Eagle	1	Circling	3000	North				
10-3-21	Diurnal				baea	Bald Eagle	2	Circling	3000	North				
10-3-21	Diurnal				cora	Common Raven	1	Circling	3000	Northeast			Northeast	
10-3-21	Diurnal		13:03	30	cora	Common Raven	1	Passing	3000	Northeast			West	
10-3-21	Diurnal				baea	Bald Eagle	1	Circling	2000	North				
10-3-21	Diurnal		13:33	30	passerine sp	Passerine Species	2	Passing	500	Northeast			West	
10-19-21	Diurnal	hawk 1	11:46	30	recr	Red Crossbill	1	Calling			Y			
10-19-21	Diurnal				raptor species	raptor species	1	Passing	2000	North				Lost bird when switching to scope
10-19-21	Diurnal		12:16	30	abdu	American Black Duck	2	Passing	1000	Northwest			Southwest	
10-19-21	Diurnal				amcr	American Crow	1	Passing	100	North			Southeast	
10-19-21	Diurnal		12:46	30	cogr	Common Grackle	2	Passing	500	North			Southeast	
10-19-21	Diurnal		13:16	30	no birds									
10-20-21	Diurnal	hawk 1	12:41	30	amke	American Kestrel	1				Y			Flushed from area
10-20-21	Diurnal		13:11	30	baea	Bald Eagle	1	Passing	2000	Northeast			Northwest	

Table 7: Species Summary - 2021-2022 Winter Bird Point Count Surveys - Mersey River Wind Farm Project

Project # 21-7833

Common Name	Scientific Name	Bird Group	SARA	COSEWIC	NSESA	NS S-Rank	Number Observed	Breeding Evidence
American Crow	Corvus brachyrhynchos	6	Not Listed	Not Listed	Not Listed	S5	2	
American Goldfinch	Carduelis tristis	6	Not Listed	Not Listed	Not Listed	S5	12	
American Robin	Turdus migratorius	6	Not Listed	Not Listed	Not Listed	S5B,S3N	12	
Black-backed Woodpecker	Picoides arcticus	7	Not Listed	Not Listed	Not Listed	S3S4	1	
Black-capped Chickadee	Poecile atricapilla	6	Not Listed	Not Listed	Not Listed	S5	87	
Blue Jay	Cyanocitta cristata	6	Not Listed	Not Listed	Not Listed	S5	8	
Brown Creeper	Certhia americana	6	Not Listed	Not Listed	Not Listed	S5	2	
Canada Goose	Branta canadensis	1	Not Listed	Not Listed	Not Listed	SUB,S4N,S5M	6	
Common Merganser	Mergus merganser	2	Not Listed	Not Listed	Not Listed	S5B,S5M,S5N	8	
Common Raven	Corvus corax	6	Not Listed	Not Listed	Not Listed	S5	22	
Dark-eyed Junco	Junco hyemalis	6	Not Listed	Not Listed	Not Listed	S4S5	5	
Downy Woodpecker	Picoides pubescens	7	Not Listed	Not Listed	Not Listed	SU	2	
Golden-crowned Kinglet	Regulus satrapa	6	Not Listed	Not Listed	Not Listed	S5	24	
Gray Jay	Perisoreus canadensis	6	Not Listed	Not Listed	Not Listed	S3	1	
Hairy Woodpecker	Picoides villosus	7	Not Listed	Not Listed	Not Listed	SU	15	
Mourning Dove	Zenaida macroura	7	Not Listed	Not Listed	Not Listed	S5	2	
Northern Flicker	Colaptes auratus	7	Not Listed	Not Listed	Not Listed	S5B	1	
Northern Hawk Owl	Surnia ulula	5	Not Listed	Not at Risk	Not Listed	SNA	0	
Pileated Woodpecker	Dryocopus pileatus	7	Not Listed	Not Listed	Not Listed	S5	8	
Red Crossbill	Loxia curvirostra	6	Not Listed	Not Listed	Not Listed	S3S4	20	
Red-breasted Nuthatch	Sitta canadensis	6	Not Listed	Not Listed	Not Listed	S4S5	31	
Ruffed Grouse	Bonasa umbellus	7	Not Listed	Not Listed	Not Listed	S5	8	
Snow Bunting	Plectrophenax nivalis	6	N/A	N/A	N/A	N/A	1	
White-breasted Nuthatch	Sitta carolinensis	6	Not Listed	Not Listed	Not Listed	S4	3	
White-throated Sparrow	Zonotrichia albicollis	6	Not Listed	Not Listed	Not Listed	S4S5B,S5M	1	
White-winged Crossbill	Loxia leucoptera	6	Not Listed	Not Listed	Not Listed	S4S5	5	
Woodpecker Species	N/A	7	N/A	N/A	N/A	N/A	10	

Table 8: Data - 2021-2022 Winter Bird Point Count Surveys - Mersey River Wind Farm Project

Date	Survey Type	Point Count #	Pointcount Location	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
12-27-21	PC	1		7:50	10	amro	American Robin	3	Passing	50	Southwest		50+	Northeast	
12-27-21	PC					amgo	American Goldfinch	2	Passing	0					
12-27-21	PC					bcch	Black-capped Chickadee	2	Calling	50					
12-27-21	PC					cora	Common Raven	1	Calling	500					
12-27-21	PC	2		8:09	10	deju	Dark-eyed Junco	3	Calling	0					
12-27-21	PC					amro	American Robin	1	Passing	0	North		50+	South	
12-27-21	PC					wtsp	White-throated Sparrow	1	Calling	0					
12-27-21	PC	3		8:28	10	rbnu	Red-breasted Nuthatch	1	Calling	100	West				
12-27-21	PC					bcch	Black-capped Chickadee	2	Calling	50					
12-27-21	PC					amgo	American Goldfinch	1	Calling	50					
12-27-21	PC	4		8:47	10	recr	Red Crossbill	2	Calling	100	Southeast				
12-27-21	PC	5		9:06	10	piwo	Pileated Woodpecker	2	Calling	50					
12-27-21	PC					bcch	Black-capped Chickadee	1	Calling	0					
12-27-21	PC	6		9:23	10	no birds	no birds								
12-27-21	PC	7		9:38	10	bcch	Black-capped Chickadee	2	Calling	50					
12-27-21	PC					amgo	American Goldfinch	1	Calling	100					
12-27-21	PC					wwcr	White-winged Crossbill	2	Calling	100					
12-27-21	PC	8		9:52	10	recr	Red Crossbill	4	Passing	0	Southwest		50+	Northeast	
12-27-21	PC					bbwo	Black-backed Woodpecker	1	Calling	100	West				
12-27-21	PC	9		10:11	10	amgo	American Goldfinch	1	Calling	100					
12-27-21	PC	10		10:23	10	amro	American Robin	1	Calling	100					
12-27-21	PC					cora	Common Raven	1	Passing	250	Southeast		50	North	
12-27-21	PC	11		10:56	10	bcch	Black-capped Chickadee	4	Calling	0					
12-27-21	PC					gcki	Golden-crowned Kinglet	3	Calling	0					
12-27-21	PC					cora	Common Raven	1	Calling	100					
12-27-21	PC	12		11:09	10	deju	Dark-eyed Junco		Singing						
12-27-21	PC					come	Common Merganser	8	Passing	100	Northeast		50	West	
12-27-21	PC					cora	Common Raven	1	Calling	500					
12-27-21	PC	13		11:22	10	cang	Canada Goose	3	Calling	1000					
12-27-21	PC					cora	Common Raven	1	Calling	250					
12-27-21	PC	14		11:35	10	rbnu	Red-breasted Nuthatch	1	Calling	50	West				
12-27-21	PC					cora	Common Raven	1	Calling	250					
12-27-21	PC	17		11:54	10	amgo	American Goldfinch	1	Calling	50					
12-27-21	PC					cora	Common Raven	1	Calling	250					
12-30-21	PC	18		7:43	10	amgo	American Goldfinch	1	Calling	50					
12-30-21	PC					cora	Common Raven	1	Calling	100					
12-30-21	PC					bcch	Black-capped Chickadee	1	Calling	0					
12-30-21	PC					gcki	Golden-crowned Kinglet	1	Calling	0					
12-30-21	PC	15		8:07	10	piwo	Pileated Woodpecker	1	Drumming	100					
12-30-21	PC					bcch	Black-capped Chickadee	1	Calling	100					
12-30-21	PC					hawo	Hairy Woodpecker	1	Calling	100					
12-30-21	PC					cora	Common Raven	1	Calling	500					
12-30-21	PC					woodpecker sp	woodpecker species	1	Drumming	100					
12-30-21	PC	16		8:21	10	amro	American Robin	1	Calling	100					
12-30-21	PC					woodpecker sp	woodpecker species	1	Drumming	100					
12-30-21	PC	19		8:37	10	bcch	Black-capped Chickadee	5	Calling	0					
12-30-21	PC					wbnu	White-breasted Nuthatch	1	Foraging	0					Female
12-30-21	PC					hawo	Hairy Woodpecker	1	Foraging	0					
12-30-21	PC					cora	Common Raven	1	Calling	100					
12-30-21	PC					rugr	Ruffed Grouse	1	Flushed	0					
12-30-21	PC					dowo	Downy Woodpecker	1	Calling	0					
12-30-21	PC	20		8:52	10	cora	Common Raven	1	Calling	500					
12-30-21	PC					gcki	Golden-crowned Kinglet	1	Calling	50					
12-30-21	PC	29		9:06	10	bcch	Black-capped Chickadee	3	Calling	50					
12-30-21	PC					wbnu	White-breasted Nuthatch	2	Calling	50	West				Male
12-30-21	PC					brcr	Brown Creeper	1	Calling	50					
12-30-21	PC					gcki	Golden-crowned Kinglet	2	Calling	50					
12-30-21	PC					piwo	Pileated Woodpecker	1	Calling	100					
12-30-21	PC					hawo	Hairy Woodpecker	1	Calling	50					
12-30-21	PC	21		9:23	10	cora	Common Raven	1	Calling	250					
12-30-21	PC	22		9:37	10	hawo	Hairy Woodpecker	1	Calling	100					
12-30-21	PC	23		9:51	10	rbnu	Red-breasted Nuthatch	2	Calling	0	Northwest				
12-30-21	PC					bcch	Black-capped Chickadee	1	Calling	50					
12-30-21	PC	24		10:05	10	amgo	American Goldfinch	1	Passing	100	Northwest		50+	East	
12-30-21	PC					rbnu	Red-breasted Nuthatch	2	Calling	100	Northeast				
12-30-21	PC					rugr	Ruffed Grouse	1	Flushed	0					
12-30-21	PC	27		10:20	10	cora	Common Raven	1	Calling	500					
12-30-21	PC					rbnu	Red-breasted Nuthatch	1	Calling	100	Southeast				
12-30-21	PC					hawo	Hairy Woodpecker	1	Calling	100					
12-30-21	PC					recr	Red Crossbill	1	Passing	50	Southeast		50	West	
12-30-21	PC					blja	Blue Jay	1	Calling	50					
12-30-21	PC	25		11:04	10	rugr	Ruffed Grouse	1	Flushed	0					
12-30-21	PC	26		11:19	10	amgo	American Goldfinch	2	Passing	100	Northwest		50	East	
12-30-21	PC	30		11:28	10	hawo	Hairy Woodpecker	1	Calling	50					
12-30-21	PC					gcki	Golden-crowned Kinglet	3	Calling	0					

Table 8: Data - 2021-2022 Winter Bird Point Count Surveys - Mersey River Wind Farm Project

Project # 21-7833

Date	Survey Type	Point Count #	Pointcount Location	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
12-30-21	PC	31		11:46	10	gcki	Golden-crowned Kinglet	2	Calling	0					
1-23-22	PC	1		7:55	10	piwo	Pileated Woodpecker	1				Y			
1-23-22	PC	16		8:31	10	hawo	Hairy Woodpecker	1	Calling	100					
1-23-22	PC					cora	Common Raven	1	Calling	500					
1-23-22	PC	15		8:46	10	rbnu	Red-breasted Nuthatch	1	Calling	100	Northeast				
1-23-22	PC	14		9:01	10	hawo	Hairy Woodpecker	1	Calling	100					
1-23-22	PC					woodpecker sp	woodpecker species	1	Drumming	250					
1-23-22	PC					bcch	Black-capped Chickadee	1	Singing	0					
1-23-22	PC					rbnu	Red-breasted Nuthatch	1	Calling	0					
1-23-22	PC					cora	Common Raven	1	Calling	1000					
1-23-22	PC	13		9:16	10	bcch	Black-capped Chickadee	4	Singing	50					
1-23-22	PC					woodpecker sp	woodpecker species	1	Drumming	100					
1-23-22	PC	12		9:31	10	bcch	Black-capped Chickadee	3	Calling	50					
1-23-22	PC					cora	Common Raven	1	Calling	1000					
1-23-22	PC	11		9:44	10	woodpecker sp	woodpecker species	1	Drumming	250					
1-23-22	PC	2		10:02	10	bcch	Black-capped Chickadee	2	Calling	100					
1-23-22	PC	3		10:18	10	no birds	no birds								
1-23-22	PC	4		10:34	10	amro	American Robin	2	Calling						Wind picking up
1-23-22	PC	5		10:50	10	no birds	no birds								
1-23-22	PC	6		11:06	10	no birds	no birds								
1-23-22	PC	7		11:18	10	hawo	Hairy Woodpecker	1	Calling	100					
1-23-22	PC	8		11:31	10	no birds	no birds								
1-23-22	PC	9		11:46	10	bcch	Black-capped Chickadee	4	Calling	0					
1-23-22	PC	10		12:01	10	amro	American Robin	1	Calling	0					
1-23-22	PC					rbnu	Red-breasted Nuthatch	2	Calling	50					
2-1-22	PC	28		8:22	10	cora	Common Raven	1	Calling	500					
2-1-22	PC	27		8:42	10	rbnu	Red-breasted Nuthatch	2	Calling	100	Northwest				
2-1-22	PC					bcch	Black-capped Chickadee	4	Calling	100					
2-1-22	PC					amgo	American Goldfinch	1	Calling	0					
2-1-22	PC	24		8:58	10	bcch	Black-capped Chickadee	4	Calling	0					
2-1-22	PC	23		9:12	10	bcch	Black-capped Chickadee	3	Singing	0					
2-1-22	PC	22		9:26	10	no birds	no birds								
2-1-22	PC	21		9:39	10	woodpecker sp	woodpecker species	1	Drumming	100					
2-1-22	PC					rbnu	Red-breasted Nuthatch	1	Calling	100					
2-1-22	PC	20		9:56	10	bcch	Black-capped Chickadee	1	Calling	50					
2-1-22	PC					recr	Red Crossbill	2	Calling	50	Southwest				
2-1-22	PC					brcr	Brown Creeper	1	Calling	50					
2-1-22	PC					rbnu	Red-breasted Nuthatch	1	Calling	ne					
2-1-22	PC	19		10:11	10	no birds	no birds	1	Singing						
2-1-22	PC	25		11:01	10	bcch	Black-capped Chickadee	1	Calling	100					
2-1-22	PC	24		11:37	10	snbu	Snow Bunting	1	Passing	100	Northeast		50+	Southwest	
2-1-22	PC					wocr	White-winged Crossbill	3	Passing	50	North		50	West	
2-1-22	PC					blja	Blue Jay	1	Calling	0					
2-1-22	PC					cora	Common Raven	1	Calling	250					
2-1-22	PC	30		11:56	10	bcch	Black-capped Chickadee	2	Calling	50					
2-1-22	PC					rbnu	Red-breasted Nuthatch	3	Calling	0					
2-1-22	PC					amgo	American Goldfinch	1	Calling	50					
2-1-22	PC					blja	Blue Jay	1	Calling	100					
2-1-22	PC					gcki	Golden-crowned Kinglet	2	Calling	0					
2-1-22	PC	31		12:25	10	gcki	Golden-crowned Kinglet	1	Calling	0					
2-1-22	PC					rugr	Ruffed Grouse	1	Flushed	0					
2-1-22	PC					rbnu	Red-breasted Nuthatch	2	Calling	50	South				
2-1-22	PC					bcch	Black-capped Chickadee	2	Calling	50					
3-7-22	PC	18		6:58	10	bcch	Black-capped Chickadee	2	Calling	50					Lots of noise from river, hard to hear birds
3-7-22	PC					recr	Red Crossbill	1	Calling	50	Southwest				
3-7-22	PC	17		7:15	10	bcch	Black-capped Chickadee	2	Singing	0					
3-7-22	PC					gcki	Golden-crowned Kinglet	1	Calling	0					
3-7-22	PC					recr	Red Crossbill	2	Calling	0	Southeast				
3-7-22	PC	1		7:29	10	recr	Red Crossbill	3	Calling	50	Northwest				
3-7-22	PC					bcch	Black-capped Chickadee	3	Singing	0					
3-7-22	PC					gcki	Golden-crowned Kinglet	1	Calling	0					
3-7-22	PC					amcr	American Crow	1	Calling	250					
3-7-22	PC	2		7:52	10	bcch	Black-capped Chickadee	2	Calling	0					
3-7-22	PC					blja	Blue Jay	1	Calling	50					
3-7-22	PC					cora	Common Raven	1	Calling	500					
3-7-22	PC	3		8:08	10	recr	Red Crossbill	1	Calling	100	Northeast				
3-7-22	PC					bcch	Black-capped Chickadee	1	Calling	100					
3-7-22	PC	4		8:26	10	rbnu	Red-breasted Nuthatch	2	Calling	0					
3-7-22	PC					blja	Blue Jay	1	Calling	100					
3-7-22	PC	5		8:44	10	graj	Gray Jay	1	Calling	50	Northwest				
3-7-22	PC					dowo	Downy Woodpecker	1	Foraging	0					
3-7-22	PC					hawo	Hairy Woodpecker	1	Foraging	0	Northeast				
3-7-22	PC					rugr	Ruffed Grouse	1				Y			
3-7-22	PC	6		9:00	10	rbnu	Red-breasted Nuthatch	1	Calling	100	South				
3-7-22	PC					recr	Red Crossbill	1	Passing	50	Southeast		50	West	

Date	Survey Type	Point Count #	Pointcount Location	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
3-7-22	PC					piwo	Pileated Woodpecker	1	Calling	250	Northeast				
3-7-22	PC	7		9:21	10	bcch	Black-capped Chickadee	3	Calling	0					
3-7-22	PC					piwo	Pileated Woodpecker	1	Calling	100					
3-7-22	PC	8		9:33	10	no birds	no birds								
3-7-22	PC	9		9:46	10	cora	Common Raven	1	Calling	500					
3-7-22	PC	10		10:03	10	amcr	American Crow	1	Calling	100					
3-7-22	PC					rugr	Ruffed Grouse	1				Y			
3-7-22	PC	25		11:25	10	rugr	Ruffed Grouse	1	Flushed	0					
3-7-22	PC					gcki	Golden-crowned Kinglet	2	Calling	0					
3-7-22	PC					bcch	Black-capped Chickadee	2	Calling	0					Silent, agitatedly pishing
3-7-22	PC					rbnu	Red-breasted Nuthatch	1	Calling	0					
3-7-22	PC	26		11:50	10	no birds	no birds								
3-7-22	PC			12:04		rbnu	Red-breasted Nuthatch	2	Calling	50					
3-7-22	PC					bcch	Black-capped Chickadee	2	Calling	50					
3-7-22	PC					gcki	Golden-crowned Kinglet	2	Calling	50					
3-7-22	PC	30		12:16	10	no birds	no birds								
3-7-22	PC	31		12:30	10	bcch	Black-capped Chickadee	2	Calling	0					
3-7-22	PC					rbnu	Red-breasted Nuthatch	1	Calling	0					
3-7-22	PC					gcki	Golden-crowned Kinglet	2	Calling	0					
3-15-22	PC	11		7:49	10	woodpecker sp	woodpecker species	1	Drumming	100					
3-15-22	PC					bcch	Black-capped Chickadee	1	Calling	100					
3-15-22	PC					recr	Red Crossbill	2	Singing	100	Northeast				
3-15-22	PC					modo	Mourning Dove	1	Singing	0					
3-15-22	PC					cang	Canada Goose	1	Calling	500					
3-15-22	PC	12		8:07	10	amro	American Robin	1	Calling	100					
3-15-22	PC					woodpecker sp	woodpecker species	1	Drumming	250					
3-15-22	PC					piwo	Pileated Woodpecker	1	Calling	100					
3-15-22	PC					modo	Mourning Dove	1	Singing	100					
3-15-22	PC	13		8:20	10	rbnu	Red-breasted Nuthatch	1	Calling	50					
3-15-22	PC					hawo	Hairy Woodpecker	1	Calling	50					
3-15-22	PC	14		8:36	10	bcch	Black-capped Chickadee	2	Calling	100					
3-15-22	PC					rbnu	Red-breasted Nuthatch	1	Calling	100					
3-15-22	PC	15		8:51	10	hawo	Hairy Woodpecker	1	Calling	100					
3-15-22	PC					woodpecker sp	woodpecker species	1	Drumming	250					
3-15-22	PC	16		9:06	10	woodpecker sp	woodpecker species	1	Drumming	100					
3-15-22	PC					hawo	Hairy Woodpecker	2	Calling	0					
3-15-22	PC	19		9:22	10	nofl	Northern Flicker	1	Calling	250					
3-15-22	PC					bcch	Black-capped Chickadee	4	Calling	50					
3-15-22	PC	29		9:36	10	bcch	Black-capped Chickadee	3	Singing	50					Couldn't get to point last visit due to snow
3-15-22	PC					cora	Common Raven	1	Calling	250					
3-15-22	PC					hawo	Hairy Woodpecker	1	Calling	100					
3-15-22	PC	20		9:58	10	amro	American Robin	1	Calling	100					
3-15-22	PC					recr	Red Crossbill	1	Passing	50	Northeast		50	South	
3-15-22	PC	21		10:12	10	rbnu	Red-breasted Nuthatch	1	Calling	100					
3-15-22	PC					bcch	Black-capped Chickadee	2	Calling	50					
3-15-22	PC					blja	Blue Jay	3	Calling	100					
3-15-22	PC	22		10:28	10	no birds	no birds								
3-15-22	PC	23		10:46	10	bcch	Black-capped Chickadee	1	Calling	100					
3-15-22	PC					cang	Canada Goose	2	Calling	500					
3-15-22	PC	24		10:59	10	deju	Dark-eyed Junco	1	Calling	0					
3-15-22	PC	27		11:13	10	bcch	Black-capped Chickadee	2	Calling	50					
3-15-22	PC					rbnu	Red-breasted Nuthatch	1	Calling	50					
3-15-22	PC	28		11:28	10	amro	American Robin	1	Calling	0					
3-15-22	PC					cora	Common Raven	1	Calling	500					
3-15-22	PC					gcki	Golden-crowned Kinglet	1	Calling	0					
3-15-22	PC					deju	Dark-eyed Junco	1	Calling	0					
3-15-22	PC					rugr	Ruffed Grouse	1	Flushed			Y			

Table 9: Species Summary - 2022 Spring Bird Point Count Surveys - Mersey River Wind Farm Project

Project # 21-7833

Common Name	Scientific Name	Bird Group	SARA	COSEWIC	NSESA	NS S-Rank	Number Observed	Breeding Evidence
Alder Flycatcher	Empidonax alnorum	6	Not Listed	Not Listed	Not Listed	S5B	10	
American Black Duck	Anas rubripes	1	Not Listed	Not Listed	Not Listed	S5B,S5N	2	
American Crow	Corvus brachyrhynchos	6	Not Listed	Not Listed	Not Listed	S5	4	
American Goldfinch	Carduelis tristis	6	Not Listed	Not Listed	Not Listed	S5	19	Adult with young
American Kestrel	Falco sparverius	4	Not Listed	Not Listed	Not Listed	S3B,S4S5M	2	
American Redstart	Setophaga ruticilla	6	Not Listed	Not Listed	Not Listed	S5B	23	
American Robin	Turdus migratorius	6	Not Listed	Not Listed	Not Listed	S5B,S3N	24	
Bald Eagle	Haliaeetus leucocephalus	4	Not Listed	Not at Risk	Not Listed	S5	0	
Bay-breasted Warbler	Dendroica castanea	6	Not Listed	Not Listed	Not Listed	S5	2	
Belted Kingfisher	Megaceryle alcyon	3	Not Listed	Not Listed	Not Listed	S4S5B	1	
Black-and-white Warbler	Mniotilta varia	6	Not Listed	Not Listed	Not Listed	S5B	37	
Blackburnian Warbler	Dendroica fusca	6	Not Listed	Not Listed	Not Listed	S5	16	
Black-capped Chickadee	Poecile atricapilla	6	Not Listed	Not Listed	Not Listed	S5	57	Flightless young
Black-throated Blue Warbler	Dendroica caerulescens	6	Not Listed	Not Listed	Not Listed	S5	20	
Black-throated Green Warbler	Dendroica virens	6	Not Listed	Not Listed	Not Listed	S5	10	
Blue Jay	Cyanocitta cristata	6	Not Listed	Not Listed	Not Listed	S5	7	
Blue-headed Vireo	Vireo solitarius	6	Not Listed	Not Listed	Not Listed	S5B	22	
Broad-winged Hawk	Buteo platypterus	4	Not Listed	Not Listed	Not Listed	S5B	0	
Brown Creeper	Certhia americana	6	Not Listed	Not Listed	Not Listed	S5	22	
Chestnut-sided Warbler	Dendroica pensylvanica	6	Not Listed	Not Listed	Not Listed	S5	22	
Common Grackle	Quiscalus quiscula	6	Not Listed	Not Listed	Not Listed	S5B	17	
Common Loon	Gavia immer	3	Not Listed	Not at Risk	Not Listed	S4B	8	
Common Merganser	Mergus merganser	2	Not Listed	Not Listed	Not Listed	S5B,S5M,S5N	1	
Common Raven	Corvus corax	6	Not Listed	Not Listed	Not Listed	S5	8	
Common Tern	Sterna hirundo	2	Not Listed	Not at Risk	Not Listed	S3B	0	
Common Yellowthroat	Geothlypis trichas	6	Not Listed	Not Listed	Not Listed	S5B	39	
Dark-eyed Junco	Junco hyemalis	6	Not Listed	Not Listed	Not Listed	S4S5	59	Collecting nest material
Downy Woodpecker	Picoides pubescens	7	Not Listed	Not Listed	Not Listed	SU	1	
Eastern Phoebe	Sayornis phoebe	6	Not Listed	Not Listed	Not Listed	S4S5B,S4M	4	
Evening Grosbeak	Coccothraustes vespertinus	6	Special Concern	Special Concern	Vulnerable	S3B,S3N,S3M	2	
Golden-crowned Kinglet	Regulus satrapa	6	Not Listed	Not Listed	Not Listed	S5	15	
Hairy Woodpecker	Picoides villosus	7	Not Listed	Not Listed	Not Listed	SU	18	
Hermit Thrush	Catharus guttatus	6	Not Listed	Not Listed	Not Listed	S5B	59	
Herring Gull	Larus argentatus	2	Not Listed	Not Listed	Not Listed	S5	1	
Least Flycatcher	Empidonax minimus	6	Not Listed	Not Listed	Not Listed	S4S5B,S5M	39	
Magnolia Warbler	Dendroica magnolia	6	Not Listed	Not Listed	Not Listed	S5	48	
Mallard	Anas platyrhynchos	1	Not Listed	Not Listed	Not Listed	S5B,S5N	1	
Mourning Dove	Zenaidura macroura	7	Not Listed	Not Listed	Not Listed	S5	7	
Northern Flicker	Colaptes auratus	7	Not Listed	Not Listed	Not Listed	S5B	23	
Northern Parula	Parula americana	6	Not Listed	Not Listed	Not Listed	SU	25	
Olive-sided Flycatcher	Contopus cooperi	6	Threatened	Special Concern	Threatened	S3B	6	
Ovenbird	Seiurus aurocapilla	6	Not Listed	Not Listed	Not Listed	S5B	61	
Palm Warbler	Dendroica palmarum	6	Not Listed	Not Listed	Not Listed	S5	121	Flightless young
Pileated Woodpecker	Dryocopus pileatus	7	Not Listed	Not Listed	Not Listed	S5	18	
Pine Siskin	Carduelis pinus	6	Not Listed	Not Listed	Not Listed	S5	1	
Purple Finch	Carpodacus purpureus	6	Not Listed	Not Listed	Not Listed	S5	40	
Red Crossbill	Loxia curvirostra	6	Not Listed	Not Listed	Not Listed	S3S4	23	
Red-breasted Nuthatch	Sitta canadensis	6	Not Listed	Not Listed	Not Listed	S4S5	29	
Red-eyed Vireo	Vireo olivaceus	6	Not Listed	Not Listed	Not Listed	S5B	19	
Red-tailed Hawk	Buteo jamaicensis	4	Not Listed	Not at Risk	Not Listed	S5	4	
Ruby-crowned Kinglet	Regulus calendula	6	Not Listed	Not Listed	Not Listed	S5	30	
Ruby-throated Hummingbird	Archilochus colubris	6	Not Listed	Not Listed	Not Listed	S5B	4	
Ruffed Grouse	Bonasa umbellus	7	Not Listed	Not Listed	Not Listed	S5	39	
Sharp-shinned Hawk	Accipiter striatus	4	Not Listed	Not at Risk	Not Listed	S5	0	
Snow Bunting	Plectrophenax nivalis	6	N/A	N/A	N/A	N/A	1	

Table 9: Species Summary - 2022 Spring Bird Point Count Surveys - Mersey River Wind Farm Project

Project # 21-7833

Common Name	Scientific Name	Bird Group	SARA	COSEWIC	NSESA	NS S-Rank	Number Observed	Breeding Evidence
Song Sparrow	Melospiza melodia	6	Not Listed	Not Listed	Not Listed	S5B	46	1. Carrying food for young, confirmed nesting 2. Agitated pair, probably nesting
Swainson's Thrush	Catharus ustulatus	6	Not Listed	Not Listed	Not Listed	S4B,S5M	9	
Swamp Sparrow	Melospiza georgiana	6	Not Listed	Not Listed	Not Listed	S5B	14	
Tree Swallow	Tachycineta bicolor	6	Not Listed	Not Listed	Not Listed	S4B	4	
Turkey Vulture	Cathartes aura	4	Not Listed	Not Listed	Not Listed	S2S3B,S4S5M	0	
Veery	Catharus fuscescens	6	Not Listed	Not Listed	Not Listed	S4B	1	
White-breasted Nuthatch	Sitta carolinensis	6	Not Listed	Not Listed	Not Listed	S4	6	
White-throated Sparrow	Zonotrichia albicollis	6	Not Listed	Not Listed	Not Listed	S4S5B,S5M	46	
White-winged Crossbill	Loxia leucoptera	6	Not Listed	Not Listed	Not Listed	S4S5	19	
Winter Wren	Troglodytes troglodytes	6	Not Listed	Not Listed	Not Listed	SU	21	
woodpecker sp	N/A	7	N/A	N/A	N/A	N/A	7	
Yellow-bellied Flycatcher	Empidonax flaviventris	6	Not Listed	Not Listed	Not Listed	S4B,S5M	1	
Yellow-bellied Sapsucker	Sphyrapicus varius	7	Not Listed	Not Listed	Not Listed	S5B	38	
Yellow-rumped Warbler	Dendroica coronata	6	Not Listed	Not Listed	Not Listed	S5	83	

Table 10: Data - 2022 Spring Bird Point Count Surveys - Mersey River Wind Farm Project

Project # 21-7833

Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
4-11-22	PC	17	6:46	10	bcch	Black-capped Chickadee	2	Calling	0					
4-11-22	PC				cogr	Common Grackle	16	Passing	0	Northwest		50	Southeast	
4-11-22	PC				deju	Dark-eyed Junco	1	Singing	0					
4-11-22	PC				sosp	Song Sparrow	1	Calling	0					
4-11-22	PC				gcki	Golden-crowned Kinglet	1	Passing	100					
4-11-22	PC				pufi	Purple Finch	1	Calling	100					
4-11-22	PC				amgo	American Goldfinch	2	Calling	50					
4-11-22	PC				piwo	Pileated Woodpecker	1	Calling	100					
4-11-22	PC	18	7:02	10	old turtle eggs	old turtle eggs								Old turtle eggs on road to hemlocks
4-11-22	PC				sosp	Song Sparrow	1	Singing	0					
4-11-22	PC				amgo	American Goldfinch	1	Drumming	0					
4-11-22	PC				pufi	Purple Finch	1	Singing	50					
4-11-22	PC				deju	Dark-eyed Junco	1	Calling	0					
4-11-22	PC				amro	American Robin	1	Calling	0					
4-11-22	PC	1	7:15	10	deju	Dark-eyed Junco	2	Calling	0					
4-11-22	PC				gcki	Golden-crowned Kinglet	1	Calling	0					
4-11-22	PC				brcr	Brown Creeper	1	Calling	0					
4-11-22	PC				modo	Mourning Dove	1	Singing	100					
4-11-22	PC	11	7:41	10	deju	Dark-eyed Junco	1	Calling	0					
4-11-22	PC				amro	American Robin	3	Calling	50					
4-11-22	PC				hawo	Hairy Woodpecker	1	Calling	0					
4-11-22	PC				pufi	Purple Finch	1	Calling	0					
4-11-22	PC	12	7:55	10	sosp	Song Sparrow	1	Calling	0					
4-11-22	PC				deju	Dark-eyed Junco	1	Calling	0					
4-11-22	PC				modo	Mourning Dove	1	Singing	250					
4-11-22	PC				piwo	Pileated Woodpecker	1	Calling	100					
4-11-22	PC	13	8:13	10	amro	American Robin	1	Calling	50					
4-11-22	PC				deju	Dark-eyed Junco	1	Calling	0					
4-11-22	PC				pufi	Purple Finch	2	Singing	0					
4-11-22	PC				bcch	Black-capped Chickadee	2	Calling	0					
4-11-22	PC	14	8:31	10	woodpecker sp	woodpecker sp	1	Drumming	0					
4-11-22	PC				sosp	Song Sparrow	2	Singing	50					
4-11-22	PC				amro	American Robin	2	Singing	0					
4-11-22	PC				pufi	Purple Finch	1	Singing	0					
4-11-22	PC				deju	Dark-eyed Junco	1	Singing	0					
4-11-22	PC	1	8:54	10	deju	Dark-eyed Junco	1	Singing	0					
4-11-22	PC				sosp	Song Sparrow	1	Singing	50					
4-11-22	PC				piwo	Pileated Woodpecker	1	Calling	100					
4-11-22	PC				amro	American Robin	2	Calling	0					
4-11-22	PC				bcch	Black-capped Chickadee	2	Calling	0					
4-11-22	PC				hawo	Hairy Woodpecker	1	Calling	50					
4-11-22	PC	2	9:08	10	amro	American Robin	1	Singing	50					
4-11-22	PC				deju	Dark-eyed Junco	1	Passing	0					
4-11-22	PC				sosp	Song Sparrow	1	Singing	50					Lots of water noise, hard to hear distant birds
4-11-22	PC	3	9:24	10	gcki	Golden-crowned Kinglet	1	Calling	50					
4-11-22	PC				rugr	Ruffed Grouse	1	Drumming	0					
4-11-22	PC				bcch	Black-capped Chickadee	2	Singing	0					
4-11-22	PC				pufi	Purple Finch	1	Passing	0	Northeast		50	Southwest	
4-11-22	PC	4	9:39	10	bcch	Black-capped Chickadee	2	Singing	0					
4-11-22	PC				deju	Dark-eyed Junco	2	Singing	0					
4-11-22	PC				sosp	Song Sparrow	1	Singing	100					
4-11-22	PC				brcr	Brown Creeper	1	Calling	50					
4-11-22	PC	5	9:56	10	deju	Dark-eyed Junco	1	Passing	50			50	East	
4-11-22	PC				sosp	Song Sparrow	2	Calling	0					
4-11-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	100					
4-11-22	PC				bcch	Black-capped Chickadee	2	Calling	0					
4-11-22	PC				pufi	Purple Finch	1	Calling	0					
4-11-22	PC	6	10:13	10	deju	Dark-eyed Junco	1	Calling	0					
4-11-22	PC				sosp	Song Sparrow	2	Singing	0					
4-11-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	0					
4-11-22	PC				cora	Common Raven	1	Calling	0					
4-11-22	PC	7	10:26	10	nofl	Northern Flicker	1	Calling	50					
4-11-22	PC				piwo	Pileated Woodpecker	1	Calling	50					
4-11-22	PC				bcch	Black-capped Chickadee	1	Calling	100					
4-11-22	PC	8	10:41	10	sosp	Song Sparrow	2	Singing	50					
4-11-22	PC				pufi	Purple Finch	1	Singing	50					
4-11-22	PC				deju	Dark-eyed Junco	1	Calling	0					
4-11-22	PC	9	10:57	10	bcch	Black-capped Chickadee	1	Singing	100					
4-11-22	PC				rugr	Ruffed Grouse	1	Drumming	0					
4-11-22	PC	10	11:02	10	pawa	Palm Warbler	1	Singing	0			50	West	
4-11-22	PC				bcch	Black-capped Chickadee	1	Calling	100					

Table 10: Data - 2022 Spring Bird Point Count Surveys - Mersey River Wind Farm Project

Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
4-11-22	PC				cora	Common Raven	1	Calling	250					
4-11-22	PC				rugr	Ruffed Grouse	1	Drumming	0			50+	East	
4-12-22	PC	15	6:48	10	amgo	American Goldfinch	1	Calling	0					
4-12-22	PC				gcki	Golden-crowned Kinglet	1	Calling	0					
4-12-22	PC				brcr	Brown Creeper	1	Singing	0					
4-12-22	PC				pufi	Purple Finch	1	Singing	50					
4-12-22	PC				deju	Dark-eyed Junco	1	Singing	0					
4-12-22	PC	16	7:02	10	ybsa	Yellow-bellied Sapsucker	2	Drumming	50					
4-12-22	PC				wbnu	White-breasted Nuthatch	1	Singing	50	Northwest				
4-12-22	PC				amgo	American Goldfinch	1	Calling	0					
4-12-22	PC				amro	American Robin	1	Calling	2000					
4-12-22	PC				wiwr	Winter Wren	1	Singing	50					
4-12-22	PC				pufi	Purple Finch	2	Singing	50					
4-12-22	PC				brcr	Brown Creeper	1	Singing	0					
4-12-22	PC				colo	Common Loon	1	Calling	500					Calling from lake
4-12-22	PC				rugr	Ruffed Grouse	1	Drumming	0					
4-12-22	PC				piwo	Pileated Woodpecker	1	Calling	100					
4-12-22	PC				sosp	Song Sparrow	1	Calling	0					
4-12-22	PC	19	7:18	10	hawo	Hairy Woodpecker	2	Calling	0					
4-12-22	PC				brcr	Brown Creeper	1	Calling	100					
4-12-22	PC				rbnu	Red-breasted Nuthatch	2	Calling	0					
4-12-22	PC				heth	Hermit Thrush	4	Calling	0					
4-12-22	PC				colo	Common Loon	1	Calling	100					
4-12-22	PC				deju	Dark-eyed Junco	1	Calling	50					
4-12-22	PC				ybsa	Yellow-bellied Sapsucker	1	Calling	500					
4-12-22	PC				pawa	Palm Warbler	1	Singing	0					
4-12-22	PC				rugr	Ruffed Grouse	1	Drumming	50					
4-12-22	PC				wbnu	White-breasted Nuthatch	2	Calling	0					
4-12-22	PC				pufi	Purple Finch	1	Singing	0					
4-12-22	PC				piwo	Pileated Woodpecker	1	Calling	100		Y			
4-12-22	PC				amro	American Robin	1	Calling	50	Northwest		50	East	
4-12-22	PC				sosp	Song Sparrow	1	Singing	50					
4-12-22	PC	29	7:32	10	wbnu	White-breasted Nuthatch	1	Calling	50	Northeast				
4-12-22	PC				brcr	Brown Creeper	1	Calling	50					
4-12-22	PC				sosp	Song Sparrow	2	Singing	100					
4-12-22	PC				ybsa	Yellow-bellied Sapsucker	2	Drumming	100					
4-12-22	PC				blja	Blue Jay	1	Calling	100					
4-12-22	PC				pufi	Purple Finch	1	Singing	50					
4-12-22	PC				deju	Dark-eyed Junco	1	Calling	0					
4-12-22	PC				rugr	Ruffed Grouse	1	Drumming	50					
4-12-22	PC				piwo	Pileated Woodpecker	1	Calling	100					
4-12-22	PC				yrwa	Yellow-rumped Warbler	1	Calling	50					
4-12-22	PC				wiwr	Winter Wren	1	Singing	100					
4-12-22	PC				amcr	American Crow	1	Calling	100					
4-12-22	PC	20	7:45	10	hawo	Hairy Woodpecker	2	Drumming	0					
4-12-22	PC				woodpecker sp	woodpecker sp	2	Drumming	100					
4-12-22	PC				amro	American Robin	2	Calling	0					
4-12-22	PC				piwo	Pileated Woodpecker	1	Drumming	100					
4-12-22	PC				pawa	Palm Warbler	1	Calling	0					
4-12-22	PC				ybsa	Yellow-bellied Sapsucker	2	Drumming	50					
4-12-22	PC				pufi	Purple Finch	1	Singing	100					
4-12-22	PC				deju	Dark-eyed Junco	1	Calling	0					
4-12-22	PC				sosp	Song Sparrow	1	Singing	0					
4-12-22	PC				bcch	Black-capped Chickadee	1	Singing	0					
4-12-22	PC				brcr	Brown Creeper	1	Singing	0					
4-12-22	PC				heth	Hermit Thrush	2	Calling	0					
4-12-22	PC	21	7:58	10	bcch	Black-capped Chickadee	3	Calling	0					
4-12-22	PC				wiwr	Winter Wren	2	Singing	0					
4-12-22	PC				gcki	Golden-crowned Kinglet	1	Calling	0					
4-12-22	PC				sosp	Song Sparrow	2	Singing	0					
4-12-22	PC				brcr	Brown Creeper	1	Calling	50					
4-12-22	PC				heth	Hermit Thrush	1	Calling	0					
4-12-22	PC				pufi	Purple Finch	1	Singing	0					
4-12-22	PC				deju	Dark-eyed Junco	1	Singing	50					
4-12-22	PC				hawo	Hairy Woodpecker	1	Calling	0					
4-12-22	PC				wbnu	White-breasted Nuthatch	1	Singing	100	South		50	West	
4-12-22	PC				piwo	Pileated Woodpecker	1	Calling	100					
4-12-22	PC	22	8:13	10	pawa	Palm Warbler	1	Calling	50					
4-12-22	PC				ybsa	Yellow-bellied Sapsucker	1	Calling	50					
4-12-22	PC				pufi	Purple Finch	1	Singing	0					
4-12-22	PC				woodpecker sp	woodpecker sp	1	Drumming	100					

Table 10: Data - 2022 Spring Bird Point Count Surveys - Mersey River Wind Farm Project

Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
4-12-22	PC				wiwr	Winter Wren	1	Singing	100					
4-12-22	PC				deju	Dark-eyed Junco	1	Calling	0					
4-12-22	PC				sosp	Song Sparrow	1	Singing	100					
4-12-22	PC				piwo	Pileated Woodpecker	1	Calling	100					
4-12-22	PC				nofl	Northern Flicker	1	Calling	100					
4-12-22	PC				amcr	American Crow	1	Calling	100					
4-12-22	PC				amro	American Robin	1	Calling	50					
4-12-22	PC				wwcr	White-winged Crossbill	10	Passing	0	North		50	South	
4-12-22	PC	23	8:25	10	piwo	Pileated Woodpecker	2	Calling	50					
4-12-22	PC				pawa	Palm Warbler	1	Calling	0					
4-12-22	PC				sosp	Song Sparrow	2	Singing	0					
4-12-22	PC				hawo	Hairy Woodpecker	1	Calling	100					
4-12-22	PC				pufi	Purple Finch	1	Singing	0					
4-12-22	PC				blja	Blue Jay	2	Calling	100					
4-12-22	PC				bcch	Black-capped Chickadee	3	Drumming	0					
4-12-22	PC				deju	Dark-eyed Junco	1	Singing	50					
4-12-22	PC				colo	Common Loon	1	Calling	500	Northwest				
4-12-22	PC				amro	American Robin	1	Singing	100					
4-12-22	PC	24	8:38	10	brcr	Brown Creeper	1	Calling	0					
4-12-22	PC				rtha	Red-tailed Hawk	1	Passing	500					
4-12-22	PC				sosp	Song Sparrow	1	Calling	100					
4-12-22	PC				bcch	Black-capped Chickadee	2	Calling	0					
4-12-22	PC				wiwr	Winter Wren	1	Singing	100					
4-12-22	PC				pawa	Palm Warbler	1	Singing	0					
4-12-22	PC				hawo	Hairy Woodpecker	1	Calling	100					
4-12-22	PC				deju	Dark-eyed Junco	1	Calling	0					
4-12-22	PC				rugr	Ruffed Grouse	1	Drumming	0					
4-12-22	PC				pufi	Purple Finch	1	Calling	50					
4-12-22	PC	25	8:55	10	bcch	Black-capped Chickadee	1	Singing	0					
4-12-22	PC				deju	Dark-eyed Junco	1		0					
4-12-22	PC				hawo	Hairy Woodpecker	1	Calling	0					
4-12-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	0					
4-12-22	PC				piwo	Pileated Woodpecker	1	Drumming	250					
4-12-22	PC				pufi	Purple Finch	2	Singing	0					
4-12-22	PC	26	9:08	10	pawa	Palm Warbler	3	Calling	0					
4-12-22	PC				brcr	Brown Creeper	1	Singing	0					
4-12-22	PC				bcch	Black-capped Chickadee	1	Calling	0					
4-12-22	PC				pufi	Purple Finch	1	Singing	0					
4-12-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	0					
4-12-22	PC	30	9:26	10	pufi	Purple Finch	1	Calling	50					
4-12-22	PC				rugr	Ruffed Grouse	1	flushed	0					
4-12-22	PC				deju	Dark-eyed Junco	1	Calling	0					
4-12-22	PC				cora	Common Raven	1	Calling	50					
4-12-22	PC	31	9:46	10	pawa	Palm Warbler	1	Calling	0					
4-12-22	PC				pufi	Purple Finch	1	Calling	0					
4-12-22	PC				gcki	Golden-crowned Kinglet	1	Calling	0					
4-12-22	PC	27	10:18	10	bcch	Black-capped Chickadee	1	Calling	0					
4-12-22	PC				pawa	Palm Warbler	1	Singing	0					
4-12-22	PC				snbu	Snow Bunting	1	Passing	100	Southeast				
4-12-22	PC				deju	Dark-eyed Junco	2	Calling	50					
4-12-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	50					
4-12-22	PC				rugr	Ruffed Grouse	9	Calling	100					
4-12-22	PC	28	10:35	10	pawa	Palm Warbler	1	Calling	0					
4-12-22	PC				deju	Dark-eyed Junco	2	Calling	0					
4-12-22	PC				colo	Common Loon	1	Calling	1000	East				
4-12-22	PC				rugr	Ruffed Grouse	1	Drumming	0	Southeast				
4-12-22	PC				sosp	Song Sparrow	1	Singing	50					
5-2-22	PC	17	6:03	10	heth	Hermit Thrush	2	Singing	0					
5-2-22	PC				yrwa	Yellow-rumped Warbler	2	Singing	0					
5-2-22	PC				mall	Mallard	1	Passing	0	Northeast		50	Southwest	
5-2-22	PC				abdu	American Black Duck	2	on water	250					
5-2-22	PC				bcch	Black-capped Chickadee	2	Calling	0					
5-2-22	PC				swsp	Swamp Sparrow	1	Singing	50					
5-2-22	PC	18	6:17	10	pawa	Palm Warbler	1	Singing	100					
5-2-22	PC				yrwa	Yellow-rumped Warbler	4	Singing	0					
5-2-22	PC				heth	Hermit Thrush	2	Singing	0					
5-2-22	PC				amgo	American Goldfinch	1	Calling	50					
5-2-22	PC				amcr	American Crow	1	Calling	250					
5-2-22	PC	1	6:35	10	bcch	Black-capped Chickadee	2	Calling	0					
5-2-22	PC				yrwa	Yellow-rumped Warbler	3	Singing	0					
5-2-22	PC				brcr	Brown Creeper	1	Singing	0					

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Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
5-2-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	50	Northeast				
5-2-22	PC				heth	Hermit Thrush	2	Singing	100					
5-2-22	PC				gcki	Golden-crowned Kinglet	1	Calling	0			50	Northwest	
5-2-22	PC	10	6:54	10	wiwr	Winter Wren	1	Calling	100					
5-2-22	PC				deju	Dark-eyed Junco	1	Singing	50					
5-2-22	PC				pawa	Palm Warbler	3	Singing	0					Flightless young
5-2-22	PC				sosp	Song Sparrow	1	Singing	100					
5-2-22	PC				modo	Mourning Dove	1	Singing	100					
5-2-22	PC				hawo	Hairy Woodpecker	1	Calling	100					
5-2-22	PC				yrwa	Yellow-rumped Warbler	2	Singing	0					
5-2-22	PC				pufi	Purple Finch	1	Calling	100					
5-2-22	PC				bcch	Black-capped Chickadee	2	Calling	0					Flightless young
5-2-22	PC				amgo	American Goldfinch	1	Calling	0					Adult wih young
5-2-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	100	North				
5-2-22	PC				nofl	Northern Flicker	1	Calling	0					
5-2-22	PC				swsp	Swamp Sparrow	1	Singing	100					
5-2-22	PC				colo	Common Loon	1	Calling	1000	East				
5-2-22	PC	11	7:10	10	pawa	Palm Warbler	3	Singing	0					
5-2-22	PC				modo	Mourning Dove	1	Singing	100					
5-2-22	PC				heth	Hermit Thrush	1	Calling	100					
5-2-22	PC				sosp	Song Sparrow	1	Calling	100					
5-2-22	PC				yrwa	Yellow-rumped Warbler	2	Singing	0					
5-2-22	PC				swsp	Swamp Sparrow	1	Singing	100					
5-2-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	100	East				
5-2-22	PC				brcr	Brown Creeper	2	Singing	100					
5-2-22	PC				rugr	Ruffed Grouse	2	Singing	0					
5-2-22	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming	100					
5-2-22	PC				deju	Dark-eyed Junco	1	Singing	0					
5-2-22	PC				amgo	American Goldfinch	1	Singing	50					
5-2-22	PC				pufi	Purple Finch	1	Singing	100					
5-2-22	PC				wtsp	White-throated Sparrow	1	Singing	100					
5-2-22	PC	12	7:24	10	ybsa	Yellow-bellied Sapsucker	1	Drumming	100					
5-2-22	PC				wiwr	Winter Wren	1	Singing	100					
5-2-22	PC				yrwa	Yellow-rumped Warbler	3	Calling	0					
5-2-22	PC				pawa	Palm Warbler	1	Singing	0					
5-2-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	0					
5-2-22	PC				brcr	Brown Creeper	2	Singing	50					
5-2-22	PC				wtsp	White-throated Sparrow	1	Singing	100					
5-2-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	100					
5-2-22	PC				heth	Hermit Thrush	1	Singing	100					
5-2-22	PC				amcr	American Crow	1	Calling	100					
5-2-22	PC	13	7:37	10	yrwa	Yellow-rumped Warbler	3	Singing	0					
5-2-22	PC				ybsa	Yellow-bellied Sapsucker	2	Drumming	0					
5-2-22	PC				heth	Hermit Thrush	1	Singing	0					
5-2-22	PC				pawa	Palm Warbler	2	Singing	0					
5-2-22	PC				brcr	Brown Creeper	1	Singing	0					
5-2-22	PC				deju	Dark-eyed Junco	1	Calling	0					
5-2-22	PC				bcch	Black-capped Chickadee	1	Calling	100					
5-2-22	PC	14	7:50	10	pawa	Palm Warbler	4	Singing	50					
5-2-22	PC				nofl	Northern Flicker	1	Calling	100					
5-2-22	PC				heth	Hermit Thrush	1	Singing	100					
5-2-22	PC				yrwa	Yellow-rumped Warbler	2	Singing	0					
5-2-22	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming	100					
5-2-22	PC				piwo	Pileated Woodpecker	1	Calling	100					
5-2-22	PC				wtsp	White-throated Sparrow	1	Singing	100					
5-2-22	PC				deju	Dark-eyed Junco	1	Singing	0					
5-2-22	PC				amgo	American Goldfinch	1	Calling	50					
5-2-22	PC				gcki	Golden-crowned Kinglet	1	Calling	0					
5-2-22	PC				rugr	Ruffed Grouse	1	Drumming	50					
5-2-22	PC	2	8:12	10	rugr	Ruffed Grouse	1	Drumming	0					
5-2-22	PC				heth	Hermit Thrush	2	Calling	100					
5-2-22	PC				yrwa	Yellow-rumped Warbler	2	Singing	0					
5-2-22	PC				nofl	Northern Flicker	1	Calling	0					
5-2-22	PC				amgo	American Goldfinch	1	Passing	0	North		50	South	
5-2-22	PC				bcch	Black-capped Chickadee	2	Calling	0					
5-2-22	PC	3	8:26	10	amgo	American Goldfinch	1	Calling	100					
5-2-22	PC				yrwa	Yellow-rumped Warbler	2	Singing	0					
5-2-22	PC				bcch	Black-capped Chickadee	1	Singing	0					
5-2-22	PC				pawa	Palm Warbler	3	Singing	0					
5-2-22	PC				sosp	Song Sparrow	2	pair	0					
5-2-22	PC				nofl	Northern Flicker	4	Calling	100					

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5-2-22	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming	100					
5-2-22	PC				blja	Blue Jay	1	Calling	100					
5-2-22	PC				cora	Common Raven	1	Calling	500					
5-2-22	PC	4	8:39	10	pawa	Palm Warbler	3	Singing	0					
5-2-22	PC				heth	Hermit Thrush	2	Singing	50					
5-2-22	PC				yrwa	Yellow-rumped Warbler	2	Singing	0					
5-2-22	PC				nofl	Northern Flicker	2	Singing	100					
5-2-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	0					
5-2-22	PC				wtsp	White-throated Sparrow	2	Calling	0					
5-2-22	PC				bcch	Black-capped Chickadee	2	Calling	0					
5-2-22	PC				brcr	Brown Creeper	1	Singing	0					
5-2-22	PC				blja	Blue Jay	1	Calling	100					
5-2-22	PC	5	8:53	10	pawa	Palm Warbler	5	Singing	50		Y			
5-2-22	PC				heth	Hermit Thrush	1	Singing	100					
5-2-22	PC				pufi	Purple Finch	1	Singing	50					
5-2-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	50					
5-2-22	PC				wtsp	White-throated Sparrow	1	Singing	50					
5-2-22	PC				swsp	Swamp Sparrow	2	Singing	0					
5-2-22	PC				nofl	Northern Flicker	1	Calling	100					
5-2-22	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming	100					
5-2-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	100					
5-2-22	PC				rugr	Ruffed Grouse	2	flushed	0					
5-2-22	PC	6	9:11	10	heth	Hermit Thrush	2	Singing	50					
5-2-22	PC				pawa	Palm Warbler	4	Singing	0					
5-2-22	PC				yrwa	Yellow-rumped Warbler	2	Singing	0					
5-2-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	50					
5-2-22	PC				woodpecker sp	woodpecker sp	1	Drumming	100					
5-2-22	PC				sosp	Song Sparrow	1	Singing	50					
5-2-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	100	West				
5-2-22	PC				wtsp	White-throated Sparrow	2	Singing	0					
5-2-22	PC	7	9:25	10	heth	Hermit Thrush	1	Singing	100					
5-2-22	PC				pawa	Palm Warbler	3	Singing	50					
5-2-22	PC				gcki	Golden-crowned Kinglet	2	Calling	0					
5-2-22	PC				yrwa	Yellow-rumped Warbler	2	Singing	0					
5-2-22	PC				wiwr	Winter Wren	1	Singing	0					
5-2-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	100	Southwest				
5-2-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	0					
5-2-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	0	East				
5-2-22	PC				rugr	Ruffed Grouse	1	Drumming	0					
5-2-22	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming	100					
5-2-22	PC	8	9:40	10	heth	Hermit Thrush	1	Calling	50					
5-2-22	PC				yrwa	Yellow-rumped Warbler	2	Singing	0					
5-2-22	PC				pawa	Palm Warbler	2	Singing	50					
5-2-22	PC				amgo	American Goldfinch	1	Calling	50					
5-2-22	PC				sosp	Song Sparrow	1	Singing	50					
5-2-22	PC				rugr	Ruffed Grouse	1	Drumming	0					
5-2-22	PC				gcki	Golden-crowned Kinglet	1	Singing	0					
5-2-22	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming	100					
5-2-22	PC				nofl	Northern Flicker	1	Calling	100					
5-2-22	PC				deju	Dark-eyed Junco	1	Singing	50					
5-2-22	PC	9	9:55	10	pawa	Palm Warbler	5	Singing	0					
5-2-22	PC				wtsp	White-throated Sparrow	1	Singing	100					
5-2-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	50					
5-2-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	100	Northwest				
5-2-22	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming	100					
5-2-22	PC				heth	Hermit Thrush	1	Singing	100					
5-2-22	PC				dowo	Downy Woodpecker	1	Calling	100					
5-2-22	PC				deju	Dark-eyed Junco	1	Calling	0					
5-2-22	PC				recr	Red Crossbill	11	Foraging	0	West				
5-2-22	PC				rugr	Ruffed Grouse	1	Drumming	0					
5-2-22	PC				pufi	Purple Finch	1	Calling	0					
5-13-22	PC	28	6:08	10	rcki	Ruby-crowned Kinglet	1	Singing	0	South				
5-13-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	50	West				
5-13-22	PC				lefl	Least Flycatcher	1	Singing	0					
5-13-22	PC				baww	Black-and-white Warbler	1	Singing	50					
5-13-22	PC				heth	Hermit Thrush	1	Singing	50					
5-13-22	PC				pawa	Palm Warbler	3	Singing	0					
5-13-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	0					
5-13-22	PC				nofl	Northern Flicker	1	Calling	100					
5-13-22	PC				bcch	Black-capped Chickadee	2	Calling	50					
5-13-22	PC				wtsp	White-throated Sparrow	2	Singing	50					

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5-13-22	PC				cora	Common Raven	1	Calling	100					
5-13-22	PC				bhvi	Blue-headed Vireo	1	Singing	100					
5-13-22	PC				colo	Common Loon	1	Passing	50	Northwest		50	Southeast	
5-13-22	PC	27	6:29	10	swsp	Swamp Sparrow	1	Calling	0					
5-13-22	PC				bcch	Black-capped Chickadee	1	Calling	0					
5-13-22	PC				modo	Mourning Dove	1	Singing	100					
5-13-22	PC				pawa	Palm Warbler	3	Singing	0					
5-13-22	PC				mawa	Magnolia Warbler	1	Singing	50					
5-13-22	PC				wiwr	Winter Wren	1	Singing	0					
5-13-22	PC				yrwa	Yellow-rumped Warbler	3	Singing	0					
5-13-22	PC				cora	Common Raven	1	Calling	500					
5-13-22	PC				btnw	Black-throated Green Warbler	1	Singing	100					
5-13-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	50	Northwest				
5-13-22	PC				baww	Black-and-white Warbler	1	Singing	50					
5-13-22	PC				btbw	Black-throated Blue Warbler	2	Singing	50					
5-13-22	PC				wtsp	White-throated Sparrow	2	Singing	0					
5-13-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	100	Southeast				
5-13-22	PC				bhvi	Blue-headed Vireo	1	Singing	100					
5-13-22	PC				gcki	Golden-crowned Kinglet	1	Singing	50					
5-13-22	PC				deju	Dark-eyed Junco	1	Calling	0					
5-13-22	PC				sosp	Song Sparrow	1	Singing	50					
5-13-22	PC	24	6:51	10	rbnu	Red-breasted Nuthatch	1	Calling	100	Northwest				
5-13-22	PC				oven	Ovenbird	2	Singing	50					
5-13-22	PC				mawa	Magnolia Warbler	1	Singing	0					
5-13-22	PC				lefl	Least Flycatcher	3	Singing	0					
5-13-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	0					
5-13-22	PC				nofl	Northern Flicker	1	Calling	100					
5-13-22	PC				pawa	Palm Warbler	1	Singing	0					
5-13-22	PC				deju	Dark-eyed Junco	1	Singing	50					
5-13-22	PC				rtha	Red-tailed Hawk	1	Calling	0	Southeast				
5-13-22	PC				wbnu	White-breasted Nuthatch	1	Calling	50	North				
5-13-22	PC				wtsp	White-throated Sparrow	1	Singing	100					
5-13-22	PC				btbw	Black-throated Blue Warbler	2	Singing	50					
5-13-22	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming	100					
5-13-22	PC				bcch	Black-capped Chickadee	1	Calling	0					
5-13-22	PC	23	7:06	10	yrwa	Yellow-rumped Warbler	2	Singing	0					
5-13-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	100	East				
5-13-22	PC				pawa	Palm Warbler	3	Singing	0					
5-13-22	PC				bhvi	Blue-headed Vireo	1	Singing	100					
5-13-22	PC				wtsp	White-throated Sparrow	1	Singing	100					
5-13-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	50	North				
5-13-22	PC				brcr	Brown Creeper	1	Singing	50					
5-13-22	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming	100					
5-13-22	PC				wiwr	Winter Wren	1	Singing	100					
5-13-22	PC				rugr	Ruffed Grouse	1	Drumming	50					
5-13-22	PC				gcki	Golden-crowned Kinglet	1	Singing	50					
5-13-22	PC				baww	Black-and-white Warbler	1	Singing	50					
5-13-22	PC				colo	Common Loon	1	Calling	500					
5-13-22	PC				deju	Dark-eyed Junco	1	nm	0	Southeast				Collecting nest material
5-13-22	PC				evgr	Evening Grosbeak	2	Calling	50	Northwest				
5-13-22	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming	0					
5-13-22	PC				piwo	Pileated Woodpecker	1	Calling	100	West				
5-13-22	PC	22	7:20	10	amke	American Kestrel	1	Calling	100	North				Harassing Red-tailed Hawk
5-13-22	PC				nopa	Northern Parula	1	Singing	50					
5-13-22	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming	100					
5-13-22	PC				sosp	Song Sparrow	1	Singing	50					
5-13-22	PC				rtha	Red-tailed Hawk	1	perched	100					
5-13-22	PC				yrwa	Yellow-rumped Warbler	2	Singing	50					
5-13-22	PC				wtsp	White-throated Sparrow	2	Singing	50					
5-13-22	PC				pawa	Palm Warbler	1	Singing	50					
5-13-22	PC				deju	Dark-eyed Junco	1	Singing	50					
5-13-22	PC				heth	Hermit Thrush	1	Calling	100					
5-13-22	PC				beki	Belted Kingfisher	1	Calling	100	East				
5-13-22	PC				pufi	Purple Finch	1	Singing	50					
5-13-22	PC				btbw	Black-throated Blue Warbler	1	Singing	50					
5-13-22	PC				nofl	Northern Flicker	1	Calling	100					
5-13-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	100	South				
5-13-22	PC				oven	Ovenbird	1	Singing	100	South				
5-13-22	PC	21	7:34	10	bhvi	Blue-headed Vireo	1	Singing	0					
5-13-22	PC				rbnu	Red-breasted Nuthatch	2	Calling	50					
5-13-22	PC				oven	Ovenbird	2	Singing	100					

Table 10: Data - 2022 Spring Bird Point Count Surveys - Mersey River Wind Farm Project

Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
5-13-22	PC				amgo	American Goldfinch	1	Calling	50					
5-13-22	PC				swsp	Swamp Sparrow	1	Singing	50					
5-13-22	PC				lefl	Least Flycatcher	1	Singing	50					
5-13-22	PC				rcki	Ruby-crowned Kinglet	1	Calling	100	Northwest				
5-13-22	PC				deju	Dark-eyed Junco	1	Singing	0					
5-13-22	PC				pawa	Palm Warbler	3	Singing	0					
5-13-22	PC				wiwr	Winter Wren	1	Singing	100					
5-13-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	0					
5-13-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	100	South				
5-13-22	PC				sosp	Song Sparrow	1	Singing	50					
5-13-22	PC				cora	Common Raven	1	Calling	500					
5-13-22	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming	50					
5-13-22	PC				herg	Herring Gull	1	Calling	100					
5-13-22	PC				hawo	Hairy Woodpecker	1	Calling	100					
5-13-22	PC				bcch	Black-capped Chickadee	2	Calling	0					
5-13-22	PC	29	7:48	10	blbw	Blackburnian Warbler	1	Singing	50					
5-13-22	PC				yrwa	Yellow-rumped Warbler	2	Singing	50					
5-13-22	PC				ybsa	Yellow-bellied Sapsucker	2	Drumming	100					
5-13-22	PC				amro	American Robin	2	Singing	100					
5-13-22	PC				lefl	Least Flycatcher	3	Singing	50					
5-13-22	PC				deju	Dark-eyed Junco	1	Singing	0					
5-13-22	PC				hawo	Hairy Woodpecker	1	Calling	100					
5-13-22	PC				amgo	American Goldfinch	1	Calling	50					
5-13-22	PC				brcr	Brown Creeper	1	Singing	100					
5-13-22	PC				pawa	Palm Warbler	1	Singing	100					
5-13-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	50	West				
5-13-22	PC				baww	Black-and-white Warbler	1	Singing	100					
5-13-22	PC				bhvi	Blue-headed Vireo	1	Singing	100					
5-13-22	PC				pufi	Purple Finch	1	Singing	50					
5-13-22	PC	20	8:01	10	baww	Black-and-white Warbler	1	Singing	50					
5-13-22	PC				pufi	Purple Finch	1	Singing	100					
5-13-22	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming	100					
5-13-22	PC				heth	Hermit Thrush	1	Calling	50					
5-13-22	PC				lefl	Least Flycatcher	2	Singing	0					
5-13-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	50	North				
5-13-22	PC				pawa	Palm Warbler	2	Singing	50					
5-13-22	PC				yrwa	Yellow-rumped Warbler	3	Singing	100					
5-13-22	PC				piwo	Pileated Woodpecker	1	Drumming	100					
5-13-22	PC				nopa	Northern Parula	1	Singing	50					
5-13-22	PC				btbw	Black-throated Blue Warbler	1	Singing	50					
5-13-22	PC				bcch	Black-capped Chickadee	1	Singing	50					
5-13-22	PC				wocr	White-winged Crossbill	9	Passing	100	Southwest		50+	East	
5-13-22	PC				ybsa	Yellow-bellied Sapsucker	1	Calling	50					
5-13-22	PC	19	8:13	10	sosp	Song Sparrow	1	Singing	50					
5-13-22	PC				brcr	Brown Creeper	1	Singing	0					
5-13-22	PC				amgo	American Goldfinch	1	Singing	0					
5-13-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	50					
5-13-22	PC				wtsp	White-throated Sparrow	1	Singing	50					
5-13-22	PC				deju	Dark-eyed Junco	1	Singing	0					
5-13-22	PC				lefl	Least Flycatcher	2	Singing	0					
5-13-22	PC				nofl	Northern Flicker	1	Calling	100					
5-13-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	100	South				
5-13-22	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming	50					
5-13-22	PC				coye	Common Yellowthroat	1	Singing	100					
5-13-22	PC				blbw	Blackburnian Warbler	1	Singing	50					
5-13-22	PC				bhvi	Blue-headed Vireo	1	Singing	50					
5-13-22	PC				pawa	Palm Warbler	3	Singing	0					
5-13-22	PC				woodpecker sp	woodpecker sp	2	Drumming	100					
5-13-22	PC				nopa	Northern Parula	1	Singing	50					
5-13-22	PC	16	8:26	10	heth	Hermit Thrush	1	Calling	0					
5-13-22	PC				bhvi	Blue-headed Vireo	2	Singing	0					
5-13-22	PC				pawa	Palm Warbler	2	Calling	0					
5-13-22	PC				lefl	Least Flycatcher	1	Singing	0					
5-13-22	PC				yrwa	Yellow-rumped Warbler	2	Singing	50					
5-13-22	PC				deju	Dark-eyed Junco	1	Singing	50					
5-13-22	PC				wiwr	Winter Wren	1	Singing	100					
5-13-22	PC				wtsp	White-throated Sparrow	1	Singing	50					
5-13-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	100	Northeast				
5-13-22	PC				sosp	Song Sparrow	1	Singing	50					
5-13-22	PC				cora	Common Raven	1	Calling	500					
5-13-22	PC				pufi	Purple Finch	1	Singing	50					

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Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
5-13-22	PC				btbw	Black-throated Blue Warbler	1	Singing	50					
5-13-22	PC				hawo	Hairy Woodpecker	1	Calling	100					
5-13-22	PC				amgo	American Goldfinch	1	Calling	50					
5-13-22	PC				nopa	Northern Parula	1	Singing	100					
5-13-22	PC	15	8:40	10	rugr	Ruffed Grouse	1	Drumming	0					
5-13-22	PC				baww	Black-and-white Warbler	1	Singing	0					
5-13-22	PC				lefl	Least Flycatcher	2	Singing	0					
5-13-22	PC				heth	Hermit Thrush	2	Singing	100					
5-13-22	PC				wfsp	White-throated Sparrow	2	Singing	50					
5-13-22	PC				wiwr	Winter Wren	1	Singing	100					
5-13-22	PC				yrwa	Yellow-rumped Warbler	2	Singing	50					
5-13-22	PC				oven	Ovenbird	1	Singing	100					
5-13-22	PC				pawa	Palm Warbler	1	Singing	50					
5-13-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	100	South				
5-13-22	PC				nofl	Northern Flicker	1	Calling	100					
5-13-22	PC				blja	Blue Jay	1	Calling	100					
5-13-22	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming	100					
5-13-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	100	Southwest				
5-13-22	PC	25	9:03	10	rcki	Ruby-crowned Kinglet	1	Singing	50	West				
5-13-22	PC				rbnu	Red-breasted Nuthatch	2	Calling	50	Southeast				
5-13-22	PC				pawa	Palm Warbler	2	Singing	0					
5-13-22	PC				mawa	Magnolia Warbler	1	Singing	0					
5-13-22	PC				heth	Hermit Thrush	1	Singing	0					
5-13-22	PC				baww	Black-and-white Warbler	1	Singing	0					
5-13-22	PC				bcch	Black-capped Chickadee	2	Calling	50					
5-13-22	PC				nopa	Northern Parula	1	Singing	50					
5-13-22	PC				rugr	Ruffed Grouse	1	Drumming	0					
5-13-22	PC				yrwa	Yellow-rumped Warbler	3	Singing	0					
5-13-22	PC				deju	Dark-eyed Junco	1	Singing	0					
5-13-22	PC				oven	Ovenbird	1	Singing	100					
5-13-22	PC				hawo	Hairy Woodpecker	1	Calling	100					
5-13-22	PC	26	9:20	10	pawa	Palm Warbler	2	Singing						
5-13-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	100	East				
5-13-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	50	North				
5-13-22	PC				nopa	Northern Parula	1	Singing	0					
5-13-22	PC				deju	Dark-eyed Junco	1	Singing	0					
5-13-22	PC				swsp	Swamp Sparrow	1	Singing	100					
5-13-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	0					
5-13-22	PC				baww	Black-and-white Warbler	1	Singing	50					
5-13-22	PC	30	9:36	10	blbw	Blackburnian Warbler	1	Singing	0					
5-13-22	PC				wiwr	Winter Wren	1	Singing	50					
5-13-22	PC				deju	Dark-eyed Junco	1	Singing	0					
5-13-22	PC				baww	Black-and-white Warbler	1	Singing	50					
5-13-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	50					
5-13-22	PC				bcch	Black-capped Chickadee	1	Calling	0					
5-13-22	PC				pawa	Palm Warbler	1	Calling	0					
5-13-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	0	North				
5-13-22	PC				heth	Hermit Thrush	1	Singing	100					
5-13-22	PC	31	9:50	10	yrwa	Yellow-rumped Warbler	2	Singing	50					
5-13-22	PC				pawa	Palm Warbler	3	Singing	50					
5-13-22	PC				deju	Dark-eyed Junco	1	Calling	0					
5-13-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	100	Northeast				
5-13-22	PC				wiwr	Winter Wren	1	Singing	0					
5-13-22	PC				heth	Hermit Thrush	1	Calling	50					
5-13-22	PC				baww	Black-and-white Warbler	2	Singing	50					
5-13-22	PC				ybsa	Yellow-bellied Sapsucker	1	Calling	100					
5-26-22	PC	17	5:36	10	lefl	Least Flycatcher	3	Singing	50					
5-26-22	PC				cswa	Chestnut-sided Warbler	1	Singing	100					
5-26-22	PC				revi	Red-eyed Vireo	3	Singing	50					
5-26-22	PC				baww	Black-and-white Warbler	2	Singing	0					
5-26-22	PC				amre	American Redstart	2	Singing	0					
5-26-22	PC				blbw	Blackburnian Warbler	2	Singing	0					
5-26-22	PC				oven	Ovenbird	3	Singing	0					
5-26-22	PC				nopa	Northern Parula	2	Singing	50					
5-26-22	PC				veer	Veery	1	Singing	100					
5-26-22	PC				yrwa	Yellow-rumped Warbler	2	Singing	0					
5-26-22	PC				btwn	Black-throated Green Warbler	1	Singing	50					
5-26-22	PC	18	5:55	10	oven	Ovenbird	2	Singing	50					
5-26-22	PC				revi	Red-eyed Vireo	1	Singing	0					
5-26-22	PC				heth	Hermit Thrush	2	Singing	100					
5-26-22	PC				mawa	Magnolia Warbler	2	Singing	50					

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Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
5-26-22	PC				blbw	Blackburnian Warbler	2	Singing	50					
5-26-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	50					
5-26-22	PC				mawa	Magnolia Warbler	1	Singing	50					
5-26-22	PC				brcr	Brown Creeper	1	Singing	50					
5-26-22	PC				wiwr	Winter Wren	1	Singing	100					
5-26-22	PC				bhvi	Blue-headed Vireo	1	Singing	100					
5-26-22	PC				btnw	Black-throated Green Warbler	1	Singing	100					
5-26-22	PC				deju	Dark-eyed Junco	1	Singing	50					
5-26-22	PC				tres	Tree Swallow	1	Calling	0					
5-26-22	PC				amgo	American Goldfinch	1	Calling	0					
5-26-22	PC				modo	Mourning Dove	1	Singing	50					
5-26-22	PC				lefl	Least Flycatcher	1	Singing	50					
5-26-22	PC	1	6:11	10	yrwa	Yellow-rumped Warbler	2	Singing	0					
5-26-22	PC				bhvi	Blue-headed Vireo	1	Singing	50					
5-26-22	PC				blbw	Blackburnian Warbler	2	Singing	0					
5-26-22	PC				oven	Ovenbird	1	Singing	100					
5-26-22	PC				baww	Black-and-white Warbler	2	Singing	100					
5-26-22	PC				btnw	Black-throated Green Warbler	1	Singing	100					
5-26-22	PC				bcch	Black-capped Chickadee	2	Singing	50					
5-26-22	PC				revi	Red-eyed Vireo	1	Singing	100					
5-26-22	PC				lefl	Least Flycatcher	1	Singing	50					
5-26-22	PC	10	6:28	10	mawa	Magnolia Warbler	1	Singing	100					
5-26-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	100					
5-26-22	PC				coye	Common Yellowthroat	2	Singing	100					
5-26-22	PC				pawa	Palm Warbler	1	Singing	50					
5-26-22	PC				oven	Ovenbird	2	Singing	100					
5-26-22	PC				cswa	Chestnut-sided Warbler	1	Singing	50					
5-26-22	PC				btbw	Black-throated Blue Warbler	2	Singing	50					
5-26-22	PC				alfl	Alder Flycatcher	2	Singing	0					
5-26-22	PC				bcch	Black-capped Chickadee	1	Singing	100					
5-26-22	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming	100					
5-26-22	PC				blja	Blue Jay	1	Calling	100					
5-26-22	PC				swth	Swainson's Thrush	1	Singing	100					
5-26-22	PC				btnw	Black-throated Green Warbler	1	Singing	50					
5-26-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	50					
5-26-22	PC	11	6:42	10	lefl	Least Flycatcher	2	Singing	0					
5-26-22	PC				cswa	Chestnut-sided Warbler	3	Singing	0					
5-26-22	PC				baww	Black-and-white Warbler	1	Singing	0					
5-26-22	PC				wtsp	White-throated Sparrow	2	Singing	0					
5-26-22	PC				coye	Common Yellowthroat	3	Singing	50					
5-26-22	PC				mawa	Magnolia Warbler	1	Singing	0					
5-26-22	PC				sosp	Song Sparrow	1	carrying food	0	Southeast				Carrying food for young, confirmed nesting
5-26-22	PC				pawa	Palm Warbler	2	Singing	100					
5-26-22	PC				wiwr	Winter Wren	1	Singing	100					
5-26-22	PC				heth	Hermit Thrush	2	Singing	100					
5-26-22	PC				alfl	Alder Flycatcher	2	Singing	0					
5-26-22	PC				nopa	Northern Parula	1	Singing	0					
5-26-22	PC				pisi	Pine Siskin	1	Passing	0	Southeast		50	Northwest	
5-26-22	PC				amre	American Redstart	1	Singing	0					
5-26-22	PC	2	7:20	10	yrwa	Yellow-rumped Warbler	1	Singing	50					
5-26-22	PC				revi	Red-eyed Vireo	2	Singing	100					
5-26-22	PC				oven	Ovenbird	3	Singing	50					
5-26-22	PC				coye	Common Yellowthroat	1	Singing	50					
5-26-22	PC				rugr	Ruffed Grouse	1	Drumming	0					
5-26-22	PC				baww	Black-and-white Warbler	2	Singing	100					
5-26-22	PC				btbw	Black-throated Blue Warbler	1	Singing	50					
5-26-22	PC				heth	Hermit Thrush	1	Singing	100					
5-26-22	PC				mawa	Magnolia Warbler	3	Singing	50					
5-26-22	PC				amgo	American Goldfinch	1	Calling	50					
5-26-22	PC				piwo	Pileated Woodpecker	1	Calling	100					
5-26-22	PC				swth	Swainson's Thrush	1	Singing	100					
5-26-22	PC				bcch	Black-capped Chickadee	1	Singing	0					
5-26-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	0					
5-26-22	PC				btnw	Black-throated Green Warbler	1	Singing	0					
5-26-22	PC	3	7:36	10	baww	Black-and-white Warbler	2	Singing	0					
5-26-22	PC				mawa	Magnolia Warbler	3	Singing	50					
5-26-22	PC				rugr	Ruffed Grouse	1	Drumming	0					
5-26-22	PC				swth	Swainson's Thrush	1	Singing	100					
5-26-22	PC				sosp	Song Sparrow	1	Singing	100					
5-26-22	PC				pawa	Palm Warbler	1	Singing	50					
5-26-22	PC				oven	Ovenbird	2	Singing	50					

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Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments	
5-26-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	100	North					
5-26-22	PC				rthu	Ruby-throated Hummingbird	1	Passing	0						
5-26-22	PC				pufi	Purple Finch	1	Singing	50						
5-26-22	PC				amgo	American Goldfinch	1	Calling	0						
5-26-22	PC				blbw	Blackburnian Warbler	1	Singing	50						
5-26-22	PC				alfl	Alder Flycatcher	1	Singing	100						
5-26-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	50						
5-26-22	PC				wtsp	White-throated Sparrow	1	Singing	100						
5-26-22	PC				coye	Common Yellowthroat	2	Singing	100						
5-26-22	PC	5	7:53	10	pawa	Palm Warbler	3	Singing	0						
5-26-22	PC				pufi	Purple Finch	1	Singing	50						
5-26-22	PC				osfl	Olive-sided Flycatcher	1	Singing	100	North					
5-26-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	100	North					
5-26-22	PC				baww	Black-and-white Warbler	1	Singing	0						
5-26-22	PC				heth	Hermit Thrush	1	Singing	100						
5-26-22	PC				oven	Ovenbird	3	Singing	100						
5-26-22	PC				sosp	Song Sparrow	1	Singing	50						
5-26-22	PC				alfl	Alder Flycatcher	2	Singing	0						
5-26-22	PC				cswa	Chestnut-sided Warbler	2	Singing	50						
5-26-22	PC				swsp	Swamp Sparrow	1	Calling	0						
5-26-22	PC				mawa	Magnolia Warbler	2	Singing	50						
5-26-22	PC				lefl	Least Flycatcher	1	Singing	100						
5-26-22	PC				wtsp	White-throated Sparrow	1	Singing	100						
5-26-22	PC				coye	Common Yellowthroat	3	Singing	50						
5-26-22	PC	4	8:08	10	nopa	Northern Parula	1	Singing	50						
5-26-22	PC				mawa	Magnolia Warbler	2	Singing	50						
5-26-22	PC				heth	Hermit Thrush	1	Singing	100						
5-26-22	PC				btwn	Black-throated Green Warbler	1	Singing	50						
5-26-22	PC				rugr	Ruffed Grouse	1	Drumming	0						
5-26-22	PC				baww	Black-and-white Warbler	1	Singing	0						
5-26-22	PC				revi	Red-eyed Vireo	1	Singing	100						
5-26-22	PC				wtsp	White-throated Sparrow	1	Singing	100						
5-26-22	PC				pawa	Palm Warbler	1	Singing	50						
5-26-22	PC				coye	Common Yellowthroat	2	Singing	50						
5-26-22	PC				amre	American Redstart	2	Singing	50						
5-26-22	PC				heth	Hermit Thrush	1	Singing	50						
5-26-22	PC				osfl	Olive-sided Flycatcher	1	Singing	250	Southwest					
5-26-22	PC				oven	Ovenbird	1	Singing	100						
5-26-22	PC				deju	Dark-eyed Junco	1	Singing	50						
5-26-22	PC	6	8:24	10	wtsp	White-throated Sparrow	2	Singing	50						
5-26-22	PC				alfl	Alder Flycatcher	2	Singing	50						
5-26-22	PC				mawa	Magnolia Warbler	3	Singing	50						
5-26-22	PC				pawa	Palm Warbler	2	Singing	50						
5-26-22	PC				osfl	Olive-sided Flycatcher	1	Singing	250	Southwest					
5-26-22	PC				coye	Common Yellowthroat	2	Singing	100						
5-26-22	PC				bcch	Black-capped Chickadee	1	Calling	100						
5-26-22	PC				pufi	Purple Finch	1	Singing	50						
5-26-22	PC				oven	Ovenbird	1	Singing	50						
5-26-22	PC				sosp	Song Sparrow	1	Singing	50						
5-26-22	PC				bbwa	Bay-breasted Warbler	1	Singing	0	Northwest					
5-26-22	PC	7	8:41	10	btbw	Black-throated Blue Warbler	1	Singing	0						
5-26-22	PC				pufi	Purple Finch	1	Singing	50						
5-26-22	PC				oven	Ovenbird	2	Singing	50						
5-26-22	PC				cswa	Chestnut-sided Warbler	2	Singing	50						
5-26-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	100	Southwest					
5-26-22	PC				recr	Red Crossbill	3	Calling	50	South					
5-26-22	PC				mawa	Magnolia Warbler	2	Singing	100						
5-26-22	PC				coye	Common Yellowthroat	2	Singing	50						
5-26-22	PC				wtsp	White-throated Sparrow	1	Singing	50						
5-26-22	PC				swth	Swainson's Thrush	1	Calling	50						
5-26-22	PC				yrwa	Yellow-rumped Warbler	1	Calling	50						
5-26-22	PC				bhvi	Blue-headed Vireo	1	Singing	100						
5-26-22	PC				colo	Common Loon	1	Calling	1000	Southwest					
5-26-22	PC				amre	American Redstart	1	Singing	50						
5-26-22	PC				baww	Black-and-white Warbler	1	Singing	0						
5-26-22	PC	8	8:55	10	gcki	Golden-crowned Kinglet	1	Calling	0						
5-26-22	PC				baww	Black-and-white Warbler	2	Singing	0						
5-26-22	PC				wtsp	White-throated Sparrow	1	Singing	0						
5-26-22	PC				cswa	Chestnut-sided Warbler	2	Singing	100						
5-26-22	PC				mawa	Magnolia Warbler	2	Singing	0						
5-26-22	PC				pawa	Palm Warbler	1	Singing	0						

Table 10: Data - 2022 Spring Bird Point Count Surveys - Mersey River Wind Farm Project

Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
5-26-22	PC				pufi	Purple Finch	2	Singing	100					
5-26-22	PC				blbw	Blackburnian Warbler	1	Singing	50					
5-26-22	PC				sosp	Song Sparrow	1	Singing	0					
5-26-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	50					
5-26-22	PC				oven	Ovenbird	1	Singing	50					
5-26-22	PC				btbw	Black-throated Blue Warbler	1	Singing	50					
5-26-22	PC				coye	Common Yellowthroat	1	Singing	50					
5-26-22	PC	9	9:09	10	rugr	Ruffed Grouse	1	Drumming	0					
5-26-22	PC				mawa	Magnolia Warbler	2	Singing	50					
5-26-22	PC				bhvi	Blue-headed Vireo	1	Singing	100					
5-26-22	PC				deju	Dark-eyed Junco	1	Singing	0					
5-26-22	PC				baww	Black-and-white Warbler	1	Singing	0					
5-26-22	PC				oven	Ovenbird	2	Singing	100					
5-26-22	PC				coye	Common Yellowthroat	2	Singing	50					
5-26-22	PC				pawa	Palm Warbler	4	Singing	0					
5-29-22	PC	12	5:56	10	cswa	Chestnut-sided Warbler	2	Singing	50					
5-29-22	PC				bhvi	Blue-headed Vireo	2	Singing	0					
5-29-22	PC				blbw	Blackburnian Warbler	2	Singing	0					
5-29-22	PC				wtsj	White-throated Sparrow	1	Singing	0					
5-29-22	PC				oven	Ovenbird	1	Singing	100					
5-29-22	PC				btnw	Black-throated Green Warbler	2	Singing	50					
5-29-22	PC				pawa	Palm Warbler	2	Singing	100					
5-29-22	PC				gcki	Golden-crowned Kinglet	1	Singing	0					
5-29-22	PC				deju	Dark-eyed Junco	1	agitated	0					Probably nesting
5-29-22	PC				yrwa	Yellow-rumped Warbler	1	Calling	0					
5-29-22	PC				baww	Black-and-white Warbler	1	Singing	50					
5-29-22	PC				mawa	Magnolia Warbler	1	Singing	50					
5-29-22	PC				modo	Mourning Dove	1	Singing	100					
5-29-22	PC				nopa	Northern Parula	1	Singing	0					
5-29-22	PC	13	6:11	10	rcki	Ruby-crowned Kinglet	2	Singing	50	Southwest				
5-29-22	PC				amre	American Redstart	1	Singing	50					
5-29-22	PC				wtsj	White-throated Sparrow	1	Singing	100					
5-29-22	PC				coye	Common Yellowthroat	1	Singing	50					
5-29-22	PC				blbw	Blackburnian Warbler	1	Singing	0					
5-29-22	PC				revi	Red-eyed Vireo	2	Singing	0					
5-29-22	PC				oven	Ovenbird	3	Singing	100					
5-29-22	PC				btbw	Black-throated Blue Warbler	1	Singing	50					
5-29-22	PC				ybsa	Yellow-bellied Sapsucker	1	Calling	0					
5-29-22	PC				rugr	Ruffed Grouse	1	Drumming	50					
5-29-22	PC				wiwr	Winter Wren	1	Singing	100					
5-29-22	PC				bhvi	Blue-headed Vireo	1	Singing	100					
5-29-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	50					
5-29-22	PC	14	6:26	10	osfl	Olive-sided Flycatcher	1	Singing	0	Northwest				
5-29-22	PC				wtsj	White-throated Sparrow	3	Singing	0					
5-29-22	PC				pawa	Palm Warbler	2	Singing	50					
5-29-22	PC				ybsa	Yellow-bellied Sapsucker	1	Calling	100					
5-29-22	PC				btbw	Black-throated Blue Warbler	1	Singing	50					
5-29-22	PC				nopa	Northern Parula	2	Singing	50					
5-29-22	PC				coye	Common Yellowthroat	3	Singing	50					
5-29-22	PC				oven	Ovenbird	3	Singing	100					
5-29-22	PC				baww	Black-and-white Warbler	1	Singing	50					
5-29-22	PC				amre	American Redstart	2	Singing	50					
5-29-22	PC				bhvi	Blue-headed Vireo	1	Singing	100					
5-29-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	100	West				
5-29-22	PC				nofl	Northern Flicker	1	Calling	100					
5-29-22	PC				sosp	Song Sparrow	1	Singing	100					
5-29-22	PC				lefl	Least Flycatcher	1	Singing	100					
5-29-22	PC				heth	Hermit Thrush	1	Singing	100					
5-29-22	PC				amro	American Robin	1	Singing	100					
5-29-22	PC	15	6:43	10	amre	American Redstart	2	Singing	50					
5-29-22	PC				pawa	Palm Warbler	2	Singing	100					
5-29-22	PC				btbw	Black-throated Blue Warbler	1	Singing	100					
5-29-22	PC				heth	Hermit Thrush	1	Singing	100					
5-29-22	PC				lefl	Least Flycatcher	2	Singing	50					
5-29-22	PC				cswa	Chestnut-sided Warbler	2	Singing	50					
5-29-22	PC				wtsj	White-throated Sparrow	2	Singing	100					
5-29-22	PC				revi	Red-eyed Vireo	1	Singing	50					
5-29-22	PC				nofl	Northern Flicker	1	Calling	100					
5-29-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	100	Northwest				
5-29-22	PC				eapw	Eastern Phoebe	1	Singing	100	Southwest				
5-29-22	PC				osfl	Olive-sided Flycatcher	1	Singing	100	West				

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Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
5-29-22	PC				amro	American Robin	1	Calling	100					
5-29-22	PC				oven	Ovenbird	1	Singing	100					
5-29-22	PC				coye	Common Yellowthroat	2	Singing	0					
5-29-22	PC				hawo	Hairy Woodpecker	1	Calling	50					
5-29-22	PC				sosp	Song Sparrow	1	Singing	0					
5-29-22	PC	16	6:58	10	revi	Red-eyed Vireo	3	Singing	0					
5-29-22	PC				pufi	Purple Finch	1	Singing	50					
5-29-22	PC				lefl	Least Flycatcher	2	Singing	50					
5-29-22	PC				eapw	Eastern Phoebe	1	Singing	0	North				
5-29-22	PC				rthu	Ruby-throated Hummingbird	1	Calling	0					
5-29-22	PC				amre	American Redstart	3	Singing	0					
5-29-22	PC				coye	Common Yellowthroat	1	Singing	50					
5-29-22	PC				oven	Ovenbird	2	Singing	100					
5-29-22	PC				rugr	Ruffed Grouse	1	Drumming	0					
5-29-22	PC				bcch	Black-capped Chickadee	1	Calling	0					
5-29-22	PC				amro	American Robin	1	Singing	50					
5-29-22	PC				nopa	Northern Parula	1	Singing	50					
5-29-22	PC				heth	Hermit Thrush	1	Singing	100					
5-29-22	PC				cswa	Chestnut-sided Warbler	2	Singing	0					
5-29-22	PC				baww	Black-and-white Warbler	1	Singing	100					
5-29-22	PC	19	7:13	10	revi	Red-eyed Vireo	2	Singing	0					
5-29-22	PC				coye	Common Yellowthroat	2	Singing	0					
5-29-22	PC				nopa	Northern Parula	1	Singing	0					
5-29-22	PC				piwo	Pileated Woodpecker	1	Calling	100					
5-29-22	PC				ybsa	Yellow-bellied Sapsucker	2	Calling	100					
5-29-22	PC				oven	Ovenbird	2	Singing	100					
5-29-22	PC				heth	Hermit Thrush	1	Singing	100					
5-29-22	PC				wtsp	White-throated Sparrow	1	Singing	100					
5-29-22	PC				mawa	Magnolia Warbler	1	Singing	50					
5-29-22	PC				come	Common Merganser	1	Passing	0	West		50	East	
5-29-22	PC				amre	American Redstart	2	Singing	0					
5-29-22	PC				lefl	Least Flycatcher	2	Singing	0					
5-29-22	PC				pawa	Palm Warbler	1	Singing	50					
5-29-22	PC				nofl	Northern Flicker	1	Calling	100					
5-29-22	PC				nopa	Northern Parula	1	Singing	0					
5-29-22	PC				baww	Black-and-white Warbler	2	Singing	0					
5-29-22	PC				rugr	Ruffed Grouse	1	Drumming	50					
5-29-22	PC				swsp	Swamp Sparrow	1	Calling	50					
5-29-22	PC				hawo	Hairy Woodpecker	1	Calling	50					
5-29-22	PC				cswa	Chestnut-sided Warbler	1	Singing	100					
5-29-22	PC				amro	American Robin	1	Singing	100					
5-29-22	PC	20	7:29	10	pufi	Purple Finch	1	Singing	100					
5-29-22	PC				amre	American Redstart	1	Singing	50					
5-29-22	PC				lefl	Least Flycatcher	3	Singing	50					
5-29-22	PC				eapw	Eastern Phoebe	1	Singing	50	Southeast				
5-29-22	PC				heth	Hermit Thrush	1	Singing	0					
5-29-22	PC				hawo	Hairy Woodpecker	1	Calling	0					
5-29-22	PC				swsp	Swamp Sparrow	1	Singing	50					
5-29-22	PC				ybsa	Yellow-bellied Sapsucker	2	Calling	0					
5-29-22	PC				revi	Red-eyed Vireo	2	Singing	50					
5-29-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	50					
5-29-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	50					
5-29-22	PC				bhvi	Blue-headed Vireo	1	Singing	50					
5-29-22	PC				nopa	Northern Parula	1	Singing	50					
5-29-22	PC				deju	Dark-eyed Junco	2	agitated	50					Agitated pair, probably nesting
5-29-22	PC				pawa	Palm Warbler	2	Singing	0					
5-29-22	PC				mawa	Magnolia Warbler	1	Calling	50					
5-29-22	PC				btbw	Black-throated Blue Warbler	1	Singing	50					
5-29-22	PC				rthu	Ruby-throated Hummingbird	1	Calling	0					
5-29-22	PC				sosp	Song Sparrow	1	Singing	50					
5-29-22	PC				amro	American Robin	1	Calling	100					
5-29-22	PC	29	7:45	10	eapw	Eastern Phoebe	1	Singing	100	North				
5-29-22	PC				oven	Ovenbird	2	Singing	100					
5-29-22	PC				coye	Common Yellowthroat	1	Singing	50					
5-29-22	PC				lefl	Least Flycatcher	2	Singing	50					
5-29-22	PC				blbw	Blackburnian Warbler	1	Singing	50					
5-29-22	PC				heth	Hermit Thrush	2	Singing	50					
5-29-22	PC				amro	American Robin	1	Calling	100					
5-29-22	PC				baww	Black-and-white Warbler	1	Singing	50					
5-29-22	PC				deju	Dark-eyed Junco	1	Singing	50					
5-29-22	PC				nopa	Northern Parula	1	Singing	50					

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Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
5-29-22	PC				swth	Swainson's Thrush	1	Singing	100					
5-29-22	PC				pawa	Palm Warbler	1	Singing	100					
5-29-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	0					
5-29-22	PC	21	8:03	10	wiwr	Winter Wren	1	Singing	0					
5-29-22	PC				mawa	Magnolia Warbler	2	Singing	0					
5-29-22	PC				heth	Hermit Thrush	1	Calling	50					
5-29-22	PC				oven	Ovenbird	3	Singing	50					
5-29-22	PC				pawa	Palm Warbler	2	Singing	50					
5-29-22	PC				wtsp	White-throated Sparrow	2	Singing	100					
5-29-22	PC				bhvi	Blue-headed Vireo	1	Singing	50					
5-29-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	0					
5-29-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	0	Northeast				
5-29-22	PC				cswa	Chestnut-sided Warbler	1	Singing	0					
5-29-22	PC				brcr	Brown Creeper	1	Singing	0					
5-29-22	PC	22	8:25	10	sosp	Song Sparrow	1	Singing	100					
5-29-22	PC				bcch	Black-capped Chickadee	1	Calling	50					
5-29-22	PC				pawa	Palm Warbler	2	Singing	50					
5-29-22	PC				recr	Red Crossbill	6	Passing	50	Southwest		50	Northeast	
5-29-22	PC				oven	Ovenbird	2	Singing	50					
5-29-22	PC				wtsp	White-throated Sparrow	2	Singing	100					
5-29-22	PC				heth	Hermit Thrush	1	Singing	50					
5-29-22	PC				bhvi	Blue-headed Vireo	1	Singing	50					
5-29-22	PC				deju	Dark-eyed Junco	1	Singing	0					
5-29-22	PC				nofl	Northern Flicker	1	Calling	100					
5-29-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	100					
5-29-22	PC	23	8:45	10	osfl	Olive-sided Flycatcher	1	Singing	100	West				
5-29-22	PC				mawa	Magnolia Warbler	3	Singing	0					
5-29-22	PC				rtha	Red-tailed Hawk	1				Y			
5-29-22	PC				amke	American Kestrel	1				Y			
5-29-22	PC				tres	Tree Swallow	3				Y			
5-29-22	PC				coye	Common Yellowthroat	2	Singing	50					
5-29-22	PC				oven	Ovenbird	2	Singing	50					
5-29-22	PC				nopa	Northern Parula	1	Singing	50					
5-29-22	PC				nofl	Northern Flicker	1	Calling	100					
5-29-22	PC				baww	Black-and-white Warbler	1	Singing	0					
5-29-22	PC				btbw	Black-throated Blue Warbler	2	Singing	50					
5-29-22	PC				pawa	Palm Warbler	2	Singing	0					
5-29-22	PC				heth	Hermit Thrush	2	Calling	0					
5-29-22	PC				deju	Dark-eyed Junco	1	Calling	0					
5-29-22	PC				cswa	Chestnut-sided Warbler	1	Singing	100					
5-29-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	0					
5-29-22	PC	24	9:00	10	lefl	Least Flycatcher	3	Singing	0					
5-29-22	PC				pawa	Palm Warbler	1	Singing	50					
5-29-22	PC				revi	Red-eyed Vireo	1	Singing	50					
5-29-22	PC				baww	Black-and-white Warbler	2	Singing	0					
5-29-22	PC				rugr	Ruffed Grouse	1	Drumming	0					
5-29-22	PC				rthu	Ruby-throated Hummingbird	1	Passing	0					
5-29-22	PC				amre	American Redstart	1	Singing	50					
5-29-22	PC				mawa	Magnolia Warbler	2	Calling	0					
5-29-22	PC				btbw	Black-throated Blue Warbler	1	Singing	50					
5-29-22	PC				oven	Ovenbird	1	Singing	50					
5-29-22	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming	50					
5-29-22	PC				wtsp	White-throated Sparrow	1	Singing	100					
5-29-22	PC				wiwr	Winter Wren	1	Singing	100					
5-29-22	PC				coye	Common Yellowthroat	1	Singing	100					
5-29-22	PC				bhvi	Blue-headed Vireo	1	Singing	100					
5-29-22	PC				nopa	Northern Parula	1	Singing	50					
5-29-22	PC				heth	Hermit Thrush	1	Singing	50					
5-29-22	PC	27	9:13	10	mawa	Magnolia Warbler	2	Singing	50					
5-29-22	PC				btbw	Black-throated Blue Warbler	1	Singing	50					
5-29-22	PC				bhvi	Blue-headed Vireo	1	Singing	50					
5-29-22	PC				nopa	Northern Parula	1	Singing	50					
5-29-22	PC				deju	Dark-eyed Junco	1	Singing	50					
5-29-22	PC				oven	Ovenbird	1	Singing	50					
5-29-22	PC				lefl	Least Flycatcher	1	Singing	0					
5-29-22	PC				pawa	Palm Warbler	1	Calling	50					
5-29-22	PC				cogr	Common Grackle	1	Calling	0					
5-29-22	PC				cswa	Chestnut-sided Warbler	2	Singing	50					
5-29-22	PC				swsp	Swamp Sparrow	1	Singing	100					
5-29-22	PC				heth	Hermit Thrush	1	Singing	100					
5-29-22	PC				coye	Common Yellowthroat	2	Singing	100					

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Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
5-29-22	PC	28	9:27	10	coye	Common Yellowthroat	2	Singing	100					
5-29-22	PC				rcki	Ruby-crowned Kinglet	2	Singing	100	Northwest				
5-29-22	PC				pawa	Palm Warbler	1	Singing	50					
5-29-22	PC				alfl	Alder Flycatcher	1	Singing	50					
5-29-22	PC				wfsp	White-throated Sparrow	2	Singing	0					
5-29-22	PC				oven	Ovenbird	2	Singing	0					
5-29-22	PC				baww	Black-and-white Warbler	1	Singing	0					
5-29-22	PC				amre	American Redstart	1	Singing	0					
5-29-22	PC				mawa	Magnolia Warbler	1	Singing	100					
5-29-22	PC				heth	Hermit Thrush	1	Singing	100					
5-29-22	PC				bcch	Black-capped Chickadee	1	Singing	50					
5-29-22	PC				btnw	Black-throated Green Warbler	1	Singing	50					
5-29-22	PC				swsp	Swamp Sparrow	1	Singing	100					
5-29-22	PC				rugr	Ruffed Grouse	1	Drumming	0					
5-29-22	PC	25	9:53	10	swth	Swainson's Thrush	2	Singing	0					
5-29-22	PC				oven	Ovenbird	2	Singing	100					
5-29-22	PC				baww	Black-and-white Warbler	1	Singing	0					
5-29-22	PC				coye	Common Yellowthroat	1	Singing	0					
5-29-22	PC				mawa	Magnolia Warbler	2	Singing	0					
5-29-22	PC				nopa	Northern Parula	1	Singing	0					
5-29-22	PC				amre	American Redstart	1	Calling	0					
5-29-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	0					
5-29-22	PC				pawa	Palm Warbler	1	Singing	0					
5-29-22	PC				bhvi	Blue-headed Vireo	1	Singing	0					
5-29-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	100	West				
5-29-22	PC				heth	Hermit Thrush	1	Calling	100					
5-29-22	PC	26	10:16	10	deju	Dark-eyed Junco	2	Singing	50					
5-29-22	PC				swth	Swainson's Thrush	1	Singing	100					
5-29-22	PC				oven	Ovenbird	2	Singing	100					
5-29-22	PC				pawa	Palm Warbler	2	Singing	0					
5-29-22	PC				amre	American Redstart	1	Singing	0					
5-29-22	PC				wfsp	White-throated Sparrow	1	Singing	50					
5-29-22	PC				mawa	Magnolia Warbler	2	Singing	50					
5-29-22	PC				swsp	Swamp Sparrow	1	Singing	50					
5-29-22	PC				nopa	Northern Parula	1	Singing	50					
5-29-22	PC				ybfl	Yellow-bellied Flycatcher	1	Singing	100	Northwest				
5-29-22	PC	30	10:36	10	blbw	Blackburnian Warbler	1	Singing	50					
5-29-22	PC				oven	Ovenbird	2	Singing	50					
5-29-22	PC				pawa	Palm Warbler	2	Singing	50					
5-29-22	PC				yrwa	Yellow-rumped Warbler	2	Singing	50					
5-29-22	PC				swth	Swainson's Thrush	1	Singing	100					
5-29-22	PC				mawa	Magnolia Warbler	2	Singing	0					
5-29-22	PC				amre	American Redstart	1	Singing	0					
5-29-22	PC				nopa	Northern Parula	1	Singing	50					
5-29-22	PC	31	10:57	10	amre	American Redstart	1	Singing	100					
5-29-22	PC				nopa	Northern Parula	1	Singing	50					
5-29-22	PC				mawa	Magnolia Warbler	2	Singing	0					
5-29-22	PC				recr	Red Crossbill	3	Singing	50					
5-29-22	PC				bbwa	Bay-breasted Warbler	1	Singing			Y			

Table 11: Species Summary - 2022 Spring Bird Diurnal Count Surveys - Mersey River Wind Farm Project

Project # 21-7833

Common Name	Scientific Name	Bird Group	SARA	COSEWIC	NSESA	NS S-Rank	Number Observed	Breeding Evidence
American Kestrel	Falco sparverius	4	Not Listed	Not Listed	Not Listed	S3B,S4S5M	3	
Bald Eagle	Haliaeetus leucocephalus	4	Not Listed	Not at Risk	Not Listed	S5	2	
Black-capped Chickadee	Poecile atricapilla	6	Not Listed	Not Listed	Not Listed	S5	2	
Broad-winged Hawk	Buteo platypterus	4	Not Listed	Not Listed	Not Listed	S5B	1	
Common Grackle	Quiscalus quiscula	6	Not Listed	Not Listed	Not Listed	S5B	2	
Common Tern	Sterna hirundo	2	Not Listed	Not at Risk	Not Listed	S3B	1	
Evening Grosbeak	Coccothraustes vespertinus	6	Special Concern	Special Concern	Vulnerable	S3B,S3N,S3M	1	
Red-tailed Hawk	Buteo jamaicensis	4	Not Listed	Not at Risk	Not Listed	S5	6	
Sharp-shinned Hawk	Accipiter striatus	4	Not Listed	Not at Risk	Not Listed	S5	3	
Tree Swallow	Tachycineta bicolor	6	Not Listed	Not Listed	Not Listed	S4B	2	
Turkey Vulture	Cathartes aura	4	Not Listed	Not Listed	Not Listed	S2S3B,S4S5M	1	

Table 12: Data - 2022 Spring Bird Diurnal Count Surveys - Mersey River Wind Farm

Project # 21-7833

Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
4-11-22	DW	17	6:46	10	bcch	Black-capped Chickadee	2	Calling	0		Y			
4-11-22	DW	hawk 1	12:16	10	ssha	Sharp-shinned Hawk	1				Y			
4-11-22	DW	hawk 1	12:46	10	ssha	Sharp-shinned Hawk	1	Passing	0	South				
4-12-22	DW	hawk 1	10:54	10	ssha	Sharp-shinned Hawk	1	Passing	1000	Southeast		50+	North	
4-12-22	DW				evgr	Evening Grosbeak	1	Calling	100	South				
4-12-22	DW				cogr	Common Grackle	2	Passing	250	South		50	West	
4-12-22	DW	hawk 1	11:24	10	no birds									
4-12-22	DW				rtha	Red-tailed Hawk	1	Soaring	2000	Southeast		100+		
4-12-22	DW	hawk 1	11:54	10	no birds									Rain starting
5-2-22	DW	2	10:38	10	amke	American Kestrel	1	Calling	100	West				
5-2-22	DW	2	11:08	10	no birds									
5-2-22	DW	2	11:38	10	amke	American Kestrel	1	Passing	100	South		50	Northwest	
5-2-22	DW	2	12:08	10	tres	Tree Swallow	1	Foraging	250	Southeast		50		
5-2-22	DW	2	12:38	10	tuvu	Turkey Vulture	1	Soaring	1000	South		100+		
5-2-22	DW				baea	Bald Eagle	1	Soaring	2000	South		50+		
5-2-22	DW				amke	American Kestrel	1	Passing	100	South		50	Northwest	
5-2-22	DW	2	1:08	10	baea	Bald Eagle	1	Soaring	2000	South		50+	Northeast	
5-13-22	DW	hawk 1	10:26	10	tres	Tree Swallow	1	Passing	50+	South				Rain starting
5-26-22	DW	hawk 1	10:01	10	bwha	Broad-winged Hawk	1				Y	50	North	
5-26-22	DW				cote	Common Tern	1				Y			
5-26-22	DW				rtha	Red-tailed Hawk	2	Soaring	1000	South		50+	East	
5-26-22	DW	hawk 1	10:31	10	rtha	Red-tailed Hawk	1	Soaring	1000	South		50+		
5-26-22	DW	hawk 1	11:01	10	rtha	Red-tailed Hawk	1	Soaring	1000	South		50+		Looked like prey in talons
5-26-22	DW	hawk 1	11:31	10	rtha	Red-tailed Hawk	1	Soaring	500	South		50 to 100+		

Table 13: Species Summary - 2022 Breeding Bird Point Count Surveys - Mersey River Wind Farm

Common name	Scientific Name	Bird Group	SARA	COSEWIC	NSESA	NS S-Rank	Number Observed	Breeding Evidence	Breeding Evidence Notes
Alder Flycatcher	Empidonax alnorum	6	Not Listed	Not Listed	Not Listed	S5B	5	Possible	
American Goldfinch	Carduelis tristis	6	Not Listed	Not Listed	Not Listed	S5	10	Possible	
American Kestrel	Falco sparverius	4	Not Listed	Not Listed	Not Listed	S3B,S4S5M	1	Possible	
American Redstart	Setophaga ruticilla	6	Not Listed	Not Listed	Not Listed	S5B	6	Possible	
American Robin	Turdus migratorius	6	Not Listed	Not Listed	Not Listed	S5B,S3N	5	Possible	
Bay-breasted Warbler	Dendroica castanea	6	Not Listed	Not Listed	Not Listed	S5	3	Possible	
Black-and-white Warbler	Mniotilta varia	6	Not Listed	Not Listed	Not Listed	S5B	24	Possible	
Blackburnian Warbler	Dendroica fusca	6	Not Listed	Not Listed	Not Listed	S5	10	Possible	
Black-capped Chickadee	Poecile atricapilla	6	Not Listed	Not Listed	Not Listed	S5	18	Possible	
Black-throated Blue Warbler	Dendroica caerulescens	6	Not Listed	Not Listed	Not Listed	S5	11	Possible	
Black-throated Green Warbler	Dendroica virens	6	Not Listed	Not Listed	Not Listed	S5	5	Possible	
Blue Jay	Cyanocitta cristata	6	Not Listed	Not Listed	Not Listed	S5	5	Possible	
Blue-headed Vireo	Vireo solitarius	6	Not Listed	Not Listed	Not Listed	S5B	17	Possible	
Brown Creeper	Certhia americana	6	Not Listed	Not Listed	Not Listed	S5	1	Possible	
Cedar Waxwing	Bombcilla cedrorum	6	Not Listed	Not Listed	Not Listed	S5B	9	Possible	
Chestnut-sided Warbler	Dendroica pensylvanica	6	Not Listed	Not Listed	Not Listed	S5	4	Possible	
Chimney Swift	Chaetura pelagica	6	Threatened	Threatened	Endangered	S2S3B,S1M	2	Possible	
Common Grackle	Quiscalus quiscula	6	Not Listed	Not Listed	Not Listed	S5B	3	Possible	
Common Loon	Gavia immer	3	Not Listed	Not at Risk	Not Listed	S4B	1	Possible	
Common Nighthawk	Chordeiles minor	6	Threatened	Special Concern	Threatened	S3B	3	Possible	
Common Raven	Corvus corax	6	Not Listed	Not Listed	Not Listed	S5	4	Possible	
Common Tern	Sterna hirundo	2	Not Listed	Not at Risk	Not Listed	S3B	4	Possible	Flying around Big Bon Mature Lake. seen carrying food on road, far from water. Looked like they were headed to Lake Rossignol Wilderness Area.
Common Yellowthroat	Geothlypis trichas	6	Not Listed	Not Listed	Not Listed	S5B	29	Possible	
Dark-eyed Junco	Junco hyemalis	6	Not Listed	Not Listed	Not Listed	S4S5	25	Possible	
Eastern Wood-Pewee	Contopus virens	6	Special Concern	Special Concern	Vulnerable	S3S4B	8	Possible	
Evening Grosbeak	Coccothraustes vespertinus	6	Special Concern	Special Concern	Vulnerable	S3B,S3N,S3M	3	Possible	
Golden-crowned Kinglet	Regulus satrapa	6	Not Listed	Not Listed	Not Listed	S5	10	Possible	
Great Blue Heron	Ardea herodias	3	Not Listed	Not Listed	Not Listed	S4B,S4S5M	1	Possible	
Hairy Woodpecker	Picoides villosus	7	Not Listed	Not Listed	Not Listed	SU	4	Possible	
Hermit Thrush	Catharus guttatus	6	Not Listed	Not Listed	Not Listed	S5B	30	Possible	
Least Flycatcher	Empidonax minimus	6	Not Listed	Not Listed	Not Listed	S4S5B,S5M	19	Possible	
Magnolia Warbler	Dendroica magnolia	6	Not Listed	Not Listed	Not Listed	S5	18	Possible	
Mallard	Anas platyrhynchos	1	Not Listed	Not Listed	Not Listed	S5B,S5N	5	Possible	
Mourning Dove	Zenaida macroura	7	Not Listed	Not Listed	Not Listed	S5	4	Possible	
Nashville Warbler	Vermivora ruficapilla	6	Not Listed	Not Listed	Not Listed	SU	1	Possible	
Northern Flicker	Colaptes auratus	7	Not Listed	Not Listed	Not Listed	S5B	9	Possible	
Northern Parula	Parula americana	6	Not Listed	Not Listed	Not Listed	SU	22	Possible	
Olive-sided Flycatcher	Contopus cooperi	6	Threatened	Special Concern	Threatened	S3B	6	Possible	
Ovenbird	Seiurus aurocapilla	6	Not Listed	Not Listed	Not Listed	S5B	30	Possible	
Palm Warbler	Dendroica palmarum	6	Not Listed	Not Listed	Not Listed	S5	27	Probable	1. Agitated Pair - 2. Agitated pair, probably nesting
Pileated Woodpecker	Dryocopus pileatus	7	Not Listed	Not Listed	Not Listed	S5	6	Possible	
Purple Finch	Carpodacus purpureus	6	Not Listed	Not Listed	Not Listed	S5	8	Possible	
Red Crossbill	Loxia curvirostra	6	Not Listed	Not Listed	Not Listed	S3S4	15	Possible	
Red-breasted Nuthatch	Sitta canadensis	6	Not Listed	Not Listed	Not Listed	S4S5	10	Possible	
Red-eyed Vireo	Vireo olivaceus	6	Not Listed	Not Listed	Not Listed	S5B	18	Possible	
Red-tailed Hawk	Buteo jamaicensis	4	Not Listed	Not at Risk	Not Listed	S5	1	Possible	
Ruby-crowned Kinglet	Regulus calendula	6	Not Listed	Not Listed	Not Listed	S5	4	Possible	
Ruby-throated Hummingbird	Archilochus colubris	6	Not Listed	Not Listed	Not Listed	S5B	5	Possible	
Ruffed Grouse	Bonasa umbellus	7	Not Listed	Not Listed	Not Listed	S5	1	Possible	
Song Sparrow	Melospiza melodia	6	Not Listed	Not Listed	Not Listed	S5B	11	Possible	
Swainson's Thrush	Catharus ustulatus	6	Not Listed	Not Listed	Not Listed	S4B,S5M	25	Possible	
Swamp Sparrow	Melospiza georgiana	6	Not Listed	Not Listed	Not Listed	S5B	12	Possible	
Tree Swallow	Tachycineta bicolor	6	Not Listed	Not Listed	Not Listed	S4B	1	Possible	
White-breasted Nuthatch	Sitta carolinensis	6	Not Listed	Not Listed	Not Listed	S4	5	Confirmed	1. Fledged Young, Nest - 2. Recently fledged young, confirmed breeding
White-throated Sparrow	Zonotrichia albicollis	6	Not Listed	Not Listed	Not Listed	S4S5B,S5M	14	Possible	
Winter Wren	Troglodytes troglodytes	6	Not Listed	Not Listed	Not Listed	SU	12	Possible	
Yellow-bellied Flycatcher	Empidonax flaviventris	6	Not Listed	Not Listed	Not Listed	S4B,S5M	5	Confirmed	Nest
Yellow-bellied Sapsucker	Sphyrapicus varius	7	Not Listed	Not Listed	Not Listed	S5B	12	Possible	1. Occupied nest, confirmed breeding 2. Nest with young, breeding confirmed
Yellow-rumped Warbler	Dendroica coronata	6	Not Listed	Not Listed	Not Listed	S5	23	Possible	

Table 14: Data - 2022 Breeding Bird Point Count Surveys - Mersey River Wind Farm Project

Project # 21-7833

Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
6-18-22	PC	17	5:52	10	blbw	Blackburnian Warbler	2	Singing	0					
6-18-22	PC				oven	Ovenbird	3	Singing	0					
6-18-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	0					
6-18-22	PC				revi	Red-eyed Vireo	2	Singing	100					
6-18-22	PC				swth	Swainson's Thrush	1	Singing	100					
6-18-22	PC				heth	Hermit Thrush	1	Singing	100					
6-18-22	PC				lefl	Least Flycatcher	1	Singing	0					
6-18-22	PC				baww	Black-and-white Warbler	1	Singing	50					
6-18-22	PC				nopa	Northern Parula	1	Singing	0					
6-18-22	PC				gcki	Golden-crowned Kinglet	1	Calling	0					
6-18-22	PC				amre	American Redstart	2	Singing	0					
6-18-22	PC				bhvi	Blue-headed Vireo	1	Singing	50					
6-18-22	PC				btnw	Black-throated Green Warbler	1	Singing	100					
6-18-22	PC				bcch	Black-capped Chickadee	2	Singing	0					
6-18-22	PC				coye	Common Yellowthroat	2	Calling	100					
6-18-22	PC				cedw	Cedar Waxwing	1	Calling	100					
6-18-22	PC	18	6:13	10	eawp	Eastern Wood-Pewee	1	Calling	0	North				
6-18-22	PC				yrwa	Yellow-rumped Warbler	2	Calling	100					
6-18-22	PC				revi	Red-eyed Vireo	1	Calling	100					
6-18-22	PC				btnw	Black-throated Green Warbler	2	Singing	50					
6-18-22	PC				swth	Swainson's Thrush	2	Calling	50					
6-18-22	PC				oven	Ovenbird	2	Singing	100					
6-18-22	PC				blbw	Blackburnian Warbler	1	Singing	0					
6-18-22	PC				pufi	Purple Finch	1	Passing	0	West		50	East	
6-18-22	PC				bhvi	Blue-headed Vireo	1	Singing	0					
6-18-22	PC				nopa	Northern Parula	1	Singing	0					
6-18-22	PC				amgo	American Goldfinch	2	Singing	100					
6-18-22	PC				lefl	Least Flycatcher	1	Singing	50					
6-18-22	PC				heth	Hermit Thrush	1	Singing	0					
6-18-22	PC	19	6:58	10	bcch	Black-capped Chickadee	2	Calling	0					
6-18-22	PC				amre	American Redstart	1	Singing	100					
6-18-22	PC				coye	Common Yellowthroat	2	Singing	0					
6-18-22	PC				lefl	Least Flycatcher	1	Calling	0					
6-18-22	PC				revi	Red-eyed Vireo	1	Singing	0					
6-18-22	PC				nopa	Northern Parula	1	Singing	100					
6-18-22	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming	100					
6-18-22	PC				cswa	Chestnut-sided Warbler	1	Singing	100					
6-18-22	PC				pufi	Purple Finch	1	Calling	100					
6-18-22	PC				baww	Black-and-white Warbler	1	Singing	0					
6-18-22	PC				wtsp	White-throated Sparrow	1	Singing	100					
6-18-22	PC				wbnu	White-breasted Nuthatch	1	Calling	50	Northwest				
6-18-22	PC				mawa	Magnolia Warbler	1	Singing	50					
6-18-22	PC				pawa	Palm Warbler	1	Singing	0					
6-18-22	PC				amgo	American Goldfinch	2	Calling	50					Lots of water noise, hard to hear distant birds
6-18-22	PC				swsp	Swamp Sparrow	1	Calling	0					
6-18-22	PC	20	7:11	10	eawp	Eastern Wood-Pewee	1	Singing	100	West				
6-18-22	PC				wiwr	Winter Wren	1	Singing	100					
6-18-22	PC				revi	Red-eyed Vireo	2	Singing	50					
6-18-22	PC				lefl	Least Flycatcher	2	Singing	0					
6-18-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	100					
6-18-22	PC				bcch	Black-capped Chickadee	1	Singing	100					
6-18-22	PC				btnw	Black-throated Green Warbler	1	Singing	100					
6-18-22	PC				coye	Common Yellowthroat	1	Singing	100			50	East	
6-18-22	PC				hawo	Hairy Woodpecker	1	Calling	100					
6-18-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	50	North				
6-18-22	PC				heth	Hermit Thrush	1	Singing	0					
6-18-22	PC				baww	Black-and-white Warbler	1	Singing	0					
6-18-22	PC				amro	American Robin	1	Calling	50					
6-18-22	PC				nopa	Northern Parula	1	Singing	100					
6-18-22	PC				mawa	Magnolia Warbler	1	Singing	100					
6-18-22	PC				alfi	Alder Flycatcher	1	Singing	100					
6-18-22	PC	29	7:24	10	coye	Common Yellowthroat	2	Singing	0					
6-18-22	PC				lefl	Least Flycatcher	2	Singing	50					
6-18-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	0					
6-18-22	PC				oven	Ovenbird	2	Singing	50					
6-18-22	PC				wtsp	White-throated Sparrow	1	Singing	0					
6-18-22	PC				rtha	Red-tailed Hawk	1				Y			
6-18-22	PC				revi	Red-eyed Vireo	1	Singing	50					
6-18-22	PC				pufi	Purple Finch	1	Calling	0					
6-18-22	PC				rthu	Ruby-throated Hummingbird	1	Calling	0				West	
6-18-22	PC				wiwr	Winter Wren	1	Singing	100					
6-18-22	PC				nopa	Northern Parula	2	Calling	0					
6-18-22	PC				bhvi	Blue-headed Vireo	1	Singing	100					
6-18-22	PC				ybsa	Yellow-bellied Sapsucker	1	Occupied Nest	0					Occupied nest, confirmed breeding
6-18-22	PC				deju	Dark-eyed Junco	1	Singing	100					
6-18-22	PC				pawa	Palm Warbler	1	Singing	50					
6-18-22	PC				cora	Common Raven	1	Calling	1000					
6-18-22	PC				eawp	Eastern Wood-Pewee	1	Singing	100	North				
6-18-22	PC				bcch	Black-capped Chickadee	1	Singing	100					
6-18-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	50					

Table 14: Data - 2022 Breeding Bird Point Count Surveys - Mersey River Wind Farm Project

Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
6-18-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	100	North				
6-18-22	PC				btbw	Black-throated Blue Warbler	1	Singing	50					
6-18-22	PC	21	7:39	10	baww	Black-and-white Warbler	1	Singing	0					
6-18-22	PC				mawa	Magnolia Warbler	1	Singing	50					
6-18-22	PC				swth	Swainson's Thrush	2	Singing	100					
6-18-22	PC				piwo	Pileated Woodpecker	2	Calling	100					
6-18-22	PC				pawa	Palm Warbler	1	Singing	3000					
6-18-22	PC				wiwr	Winter Wren	1	Singing	1000					
6-18-22	PC				coye	Common Yellowthroat	2	Singing	2000					
6-18-22	PC				heth	Hermit Thrush	1	Calling	50					
6-18-22	PC				sosp	Song Sparrow	1	Singing	50					
6-18-22	PC				osfl	Olive-sided Flycatcher	1	Singing	250					
6-18-22	PC				amgo	American Goldfinch	1	Calling	100					
6-18-22	PC				deju	Dark-eyed Junco	1	Calling	0					
6-18-22	PC				bhvi	Blue-headed Vireo	1	Singing	50					
6-18-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	50	West				
6-18-22	PC				oven	Ovenbird	2	Singing	50					
6-18-22	PC				nopa	Northern Parula	1	Singing	100					
6-18-22	PC				deju	Dark-eyed Junco	1	Singing	0					
6-18-22	PC				cora	Common Raven	1	Calling	500					
6-18-22	PC				recr	Red Crossbill	1	Passing	0	South		50+	North	
6-18-22	PC				lefl	Least Flycatcher	1	Singing	100					
6-18-22	PC				piwo	Pileated Woodpecker	1	Drumming	100					
6-18-22	PC				ybsa	Yellow-bellied Sapsucker	1	Calling	100					
6-18-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	100	West				
6-18-22	PC				cedw	Cedar Waxwing	1	Calling	0					
6-18-22	PC				blbw	Blackburnian Warbler	1	Singing	50					
6-18-22	PC	22	7:56	10	swth	Swainson's Thrush	1	Singing	100					
6-18-22	PC				osfl	Olive-sided Flycatcher	1	Singing	250	South				
6-18-22	PC				pawa	Palm Warbler	1	Singing	0					
6-18-22	PC				btbw	Black-throated Blue Warbler	1	Singing	50					
6-18-22	PC				wfsp	White-throated Sparrow	2	Singing	50					
6-18-22	PC				sosp	Song Sparrow	1	Singing	50					
6-18-22	PC				bhvi	Blue-headed Vireo	1	Singing	100					
6-18-22	PC				coye	Common Yellowthroat	1	Singing	50					
6-18-22	PC				gcki	Golden-crowned Kinglet	1	Calling	50					
6-18-22	PC				pawa	Palm Warbler	1	Singing	50					
6-18-22	PC				deju	Dark-eyed Junco	1	Singing	50					
6-18-22	PC				bcch	Black-capped Chickadee	1	Singing	100					
6-18-22	PC	23	8:10	10	rcki	Ruby-crowned Kinglet	1	Singing	100	Southeast				
6-18-22	PC				wiwr	Winter Wren	1	Singing	50					
6-18-22	PC				pawa	Palm Warbler	2	Singing	0					
6-18-22	PC				nofi	Northern Flicker	1	Calling	250					
6-18-22	PC				coye	Common Yellowthroat	2	Singing	50					
6-18-22	PC				cora	Common Raven	1	Calling	0					
6-18-22	PC				baww	Black-and-white Warbler	1	Singing	0					
6-18-22	PC				oven	Ovenbird	1	Calling	50					
6-18-22	PC				recr	Red Crossbill	2	Passing	0	Southeast		50+	Northwest	
6-18-22	PC				osfl	Olive-sided Flycatcher	1	Singing	100	North				
6-18-22	PC				swth	Swainson's Thrush	1	Singing	50					
6-18-22	PC				mawa	Magnolia Warbler	1	Singing	0					
6-18-22	PC				lefl	Least Flycatcher	1	Singing	0					
6-18-22	PC	24	8:25	10	eawp	Eastern Wood-Pewee	3	Singing	100	Southwest				
6-18-22	PC				alfl	Alder Flycatcher	1	Singing	0					
6-18-22	PC				lefl	Least Flycatcher	2	Singing	0					
6-18-22	PC				oven	Ovenbird	1	Singing	100					
6-18-22	PC				wfsp	White-throated Sparrow	1	Singing	100					
6-18-22	PC				revi	Red-eyed Vireo	2	Singing	100					
6-18-22	PC				bhvi	Blue-headed Vireo	1	Singing	100					
6-18-22	PC				mawa	Magnolia Warbler	1	Singing	50					
6-18-22	PC				coye	Common Yellowthroat	2	Singing	50					
6-18-22	PC				pawa	Palm Warbler	1	Singing	0					
6-18-22	PC				amre	American Redstart	1	Singing	0					
6-18-22	PC				cswa	Chestnut-sided Warbler	1	Singing	0					
6-18-22	PC				nopa	Northern Parula	1	Singing	50					
6-18-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	50					
6-18-22	PC				btbw	Black-throated Blue Warbler	2	Singing	50					
6-18-22	PC				bcch	Black-capped Chickadee	1	Singing	50					
6-18-22	PC				heth	Hermit Thrush	1	Singing	100					
6-18-22	PC				bhvi	Blue-headed Vireo	1	Singing	100					
6-18-22	PC				rthu	Ruby-throated Hummingbird	1	Calling	0					
6-18-22	PC	27	8:40	10	heth	Hermit Thrush	2	Singing	100					
6-18-22	PC				blja	Blue Jay	2	Calling	50					
6-18-22	PC				coye	Common Yellowthroat	2	Singing	0					
6-18-22	PC				oven	Ovenbird	2	Singing	0					
6-18-22	PC				baww	Black-and-white Warbler	1	Singing	0					
6-18-22	PC				cswa	Chestnut-sided Warbler	1	Singing	100					
6-18-22	PC				sosp	Song Sparrow	1	Singing	100					
6-18-22	PC				nofi	Northern Flicker	1	Calling	0					
6-18-22	PC				rthu	Ruby-throated Hummingbird	1	Calling	0					
6-18-22	PC				yrwa	Yellow-rumped Warbler	3	Calling	0					

Table 14: Data - 2022 Breeding Bird Point Count Surveys - Mersey River Wind Farm Project

Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
6-18-22	PC				swsp	Swamp Sparrow	1	Calling	0					
6-18-22	PC				btbw	Black-throated Blue Warbler	1	Calling	0					
6-18-22	PC				pawa	Palm Warbler	1	Singing	0					
6-18-22	PC				deju	Dark-eyed Junco	1	Singing	0					
6-18-22	PC				pufi	Purple Finch	1	Singing	0					
6-18-22	PC				rcki	Ruby-crowned Kinglet	1	Singing	100	West				
6-18-22	PC				mawa	Magnolia Warbler	1	Singing	0					
6-18-22	PC	28	8:53	10	nawa	Nashville Warbler	1	Singing	0					
6-18-22	PC				chsw	Chimney Swift	1	Foraging	0	Overhead				
6-18-22	PC				oven	Ovenbird	1	Singing	50					
6-18-22	PC				alfl	Alder Flycatcher	2	Singing	50					
6-18-22	PC				heth	Hermit Thrush	1	Singing	100					
6-18-22	PC				revi	Red-eyed Vireo	2	Singing	100					
6-18-22	PC				pufi	Purple Finch	1	Calling	0					
6-18-22	PC				bcch	Black-capped Chickadee	2	Calling	0					
6-18-22	PC				nofl	Northern Flicker	1	Calling	50					
6-18-22	PC				baww	Black-and-white Warbler	2	Singing	50					
6-18-22	PC				blja	Blue Jay	1	Calling	100					
6-18-22	PC				amke	American Kestrel	1	Passing	100	South		50	West	
6-18-22	PC	25	9:12	10	swth	Swainson's Thrush	1	Singing	100					
6-18-22	PC				baww	Black-and-white Warbler	1	Singing	0					
6-18-22	PC				mawa	Magnolia Warbler	1	Singing	0					
6-18-22	PC				oven	Ovenbird	1	Singing	50					
6-18-22	PC				heth	Hermit Thrush	1	Singing	100					
6-18-22	PC				nopa	Northern Parula	1	Singing	50					
6-18-22	PC				bhvi	Blue-headed Vireo	1	Singing	0					
6-18-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	50					
6-18-22	PC				coye	Common Yellowthroat	1	Singing	100					
6-18-22	PC				pawa	Palm Warbler	1	Singing	0					
6-18-22	PC				ybf	Yellow-bellied Flycatcher	1	Singing	100					
6-18-22	PC				amgo	American Goldfinch	1	Calling	100					
6-18-22	PC				deju	Dark-eyed Junco	2	Calling	0					
6-18-22	PC	26	9:28	10	bhvi	Blue-headed Vireo	2	Singing	0					
6-18-22	PC				swth	Swainson's Thrush	1	Calling	0					
6-18-22	PC				coye	Common Yellowthroat	1	Singing	50					
6-18-22	PC				baww	Black-and-white Warbler	9	Singing	100					
6-18-22	PC				osfl	Olive-sided Flycatcher	2	Singing	50	Southwest				
6-18-22	PC				nopa	Northern Parula	1	Singing	100					
6-18-22	PC				rugr	Ruffed Grouse	1	Drumming	0					
6-18-22	PC				pufi	Purple Finch	1	Calling	50					
6-18-22	PC				pawa	Palm Warbler	2	Singing	0					
6-18-22	PC				lefl	Least Flycatcher	1	Singing	50					
6-18-22	PC				swsp	Swamp Sparrow	1	Calling	50					
6-18-22	PC	30	9:42	10	rcki	Ruby-crowned Kinglet	1	Singing	50	North				
6-18-22	PC				modo	Mourning Dove	1	Singing	100					
6-18-22	PC				coye	Common Yellowthroat	1	Singing	0			50	North	
6-18-22	PC				heth	Hermit Thrush	2	Singing	50					
6-18-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	0					
6-18-22	PC				ybf	Yellow-bellied Flycatcher	1	Singing	0					
6-18-22	PC				pawa	Palm Warbler	1	Agitated	0					Agitated pair, probably nesting
6-18-22	PC				oven	Ovenbird	2	Singing	50					
6-18-22	PC				deju	Dark-eyed Junco	1	Calling	0					
6-18-22	PC				gcki	Golden-crowned Kinglet	2	Calling	50					
6-18-22	PC	31	10:57	10	wivr	Winter Wren	1	Singing	100					
6-18-22	PC				btbw	Black-throated Blue Warbler	2	Calling	0					
6-18-22	PC				yrwa	Yellow-rumped Warbler	1	Calling	0					
6-18-22	PC				mawa	Magnolia Warbler	1	Singing	0					
6-18-22	PC				deju	Dark-eyed Junco	1	Singing	0					
6-18-22	PC				bcch	Black-capped Chickadee	1	Calling	50					
6-18-22	PC				ybf	Yellow-bellied Flycatcher	1	Singing	0					
6-18-22	PC				swth	Swainson's Thrush	1	Calling	50					
6-18-22	PC				pawa	Palm Warbler	1	Singing	0					
6-18-22	PC				bhvi	Blue-headed Vireo	1	Singing	100					
6-18-22	PC				bbwa	Bay-breasted Warbler	3	Singing						
6-18-22	PC				cote	Common Tern	2	Carrying food			Y			Flying around Big Bon Mature Lake. Seen carrying food on road, far from water. Looked like they were headed to Lake
6-18-22	PC				wbnu	White-breasted Nuthatch	4	Fledged young			Y			Recently Fledged young, confirmed breeding
6-18-22	PC				evgr	Evening Grosbeak	1	Calling			Y			
6-18-22	PC				ybsa	Yellow-bellied Sapsucker	1	nesting			Y			Nest with young, breeding confirmed
7-9-22	PC	17	5:51	10	bcch	Black-capped Chickadee	1	Singing	50					
7-9-22	PC				blbw	Blackburnian Warbler	1	Singing	0					
7-9-22	PC				nopa	Northern Parula	1	Singing	100					
7-9-22	PC				oven	Ovenbird	2	Singing	0					
7-9-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	50					
7-9-22	PC				swth	Swainson's Thrush	1	Calling	100					
7-9-22	PC				recr	Red Crossbill	1	Calling	100					
7-9-22	PC				heth	Hermit Thrush	1	Singing	100					

Table 14: Data - 2022 Breeding Bird Point Count Surveys - Mersey River Wind Farm Project

Project # 21-7833

Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
7-9-22	PC				revi	Red-eyed Vireo	2	Singing	100					
7-9-22	PC				gcki	Golden-crowned Kinglet	1	Calling	50					
7-9-22	PC				alfl	Alder Flycatcher	1	Singing	100					
7-9-22	PC				swsp	Swamp Sparrow	1	Singing	100					
7-9-22	PC				lefl	Least Flycatcher	1	Calling	0					
7-9-22	PC				amre	American Redstart	1	Singing	0					
7-9-22	PC				mall	Mallard	5	Flightless young						
7-9-22	PC	18	6:09	10	gbhe	Great Blue Heron	1	On river			Y			
7-9-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	50					
7-9-22	PC				oven	Ovenbird	1	Singing	50					
7-9-22	PC				revi	Red-eyed Vireo	2	Singing	50					
7-9-22	PC				heth	Hermit Thrush	1	Singing	100					
7-9-22	PC				recr	Red Crossbill	2	Passing	50	West		50	East	
7-9-22	PC				nofl	Northern Flicker	1	Calling	100					
7-9-22	PC				btwn	Black-throated Green Warbler	1	Singing	50					
7-9-22	PC				pawa	Palm Warbler	1	Singing	100					
7-9-22	PC				blbw	Blackburnian Warbler	2	Singing	100					
7-9-22	PC				gcki	Golden-crowned Kinglet	1	Singing	50					
7-9-22	PC				bcch	Black-capped Chickadee	1	Calling	50					
7-9-22	PC				nopa	Northern Parula	1	Singing	100					
7-9-22	PC				deju	Dark-eyed Junco	2	Agitated	0					
7-9-22	PC				chsw	Chimney Swift	1	Calling	50					
7-9-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	100					
7-9-22	PC				bhvi	Blue-headed Vireo	1	Singing	50					
7-9-22	PC				swth	Swainson's Thrush	1	Singing	50					
7-9-22	PC	19	6:49	10	baww	Black-and-white Warbler	1	Singing	100					
7-9-22	PC				swsp	Swamp Sparrow	1	Singing	0					
7-9-22	PC				swth	Swainson's Thrush	1	Calling	50					
7-9-22	PC				yrwa	Yellow-rumped Warbler	2	Singing	0					
7-9-22	PC				coye	Common Yellowthroat	2	Singing	100					
7-9-22	PC				sosp	Song Sparrow	1	Singing	50					
7-9-22	PC				heth	Hermit Thrush	1	Singing	100					
7-9-22	PC				nopa	Northern Parula	1	Singing	50					
7-9-22	PC				lefl	Least Flycatcher	1	Singing	50					
7-9-22	PC				pawa	Palm Warbler	1	Calling	0					
7-9-22	PC				baww	Black-and-white Warbler	1	Singing	50					
7-9-22	PC				bcch	Black-capped Chickadee	1	Calling	50					
7-9-22	PC				piwo	Pileated Woodpecker	1	Calling	100					
7-9-22	PC				colo	Common Loon	1	Calling	1000					
7-9-22	PC				amre	American Redstart	1	Singing	50					
7-9-22	PC				recr	Red Crossbill	1	Calling	100	Northeast				
7-9-22	PC				ybsa	Yellow-bellied Sapsucker	1	Drumming	100					
7-9-22	PC				mawa	Magnolia Warbler	1	Singing	100					
7-9-22	PC				gcki	Golden-crowned Kinglet	1	Calling	50					
7-9-22	PC				blbw	Blackburnian Warbler	1	Singing	50					
7-9-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	100	Northwest				
7-9-22	PC	20	7:03	10	wtsp	White-throated Sparrow	1	Singing	1					
7-9-22	PC				eawp	Eastern Wood-Pewee	1	Singing	50	Southwest				
7-9-22	PC				hawo	Hairy Woodpecker	2	Flightless young	0					
7-9-22	PC				recr	Red Crossbill	3	Singing	100	West				
7-9-22	PC				rbnu	Red-breasted Nuthatch	2	Calling	50					
7-9-22	PC				ybsa	Yellow-bellied Sapsucker	2	Calling	100					
7-9-22	PC				mawa	Magnolia Warbler	1	Singing	50					
7-9-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	50					
7-9-22	PC				oven	Ovenbird	1	Singing	100					
7-9-22	PC				heth	Hermit Thrush	3	Singing	100					
7-9-22	PC				bcch	Black-capped Chickadee	1	Calling	50					
7-9-22	PC				evgr	Evening Grosbeak	2	Calling	100	West				
7-9-22	PC				lefl	Least Flycatcher	1	Calling	100					
7-9-22	PC				sosp	Song Sparrow	1	Singing	100					
7-9-22	PC				revi	Red-eyed Vireo	1	Singing	100					
7-9-22	PC				coye	Common Yellowthroat	1	Singing	100					
7-9-22	PC				amgo	American Goldfinch	1	Calling	0					
7-9-22	PC				deju	Dark-eyed Junco	1	Singing	0					
7-9-22	PC				amro	American Robin	1	Calling	50					
7-9-22	PC				rthu	Ruby-throated Hummingbird	1	Calling	0					
7-9-22	PC				swth	Swainson's Thrush	1	Singing	100					
7-9-22	PC	29	7:16	10	ybsa	Yellow-bellied Sapsucker	2	Nesting with young	50	South				
7-9-22	PC				swth	Swainson's Thrush	2	Singing	100					
7-9-22	PC				lefl	Least Flycatcher	2	Singing	50					
7-9-22	PC				revi	Red-eyed Vireo	2	Singing	100					
7-9-22	PC				coye	Common Yellowthroat	1	Singing	100					
7-9-22	PC				cogr	Common Grackle	2	Calling	100					
7-9-22	PC				heth	Hermit Thrush	1	Calling	50					
7-9-22	PC				cedw	Cedar Waxwing	2	Calling	0					
7-9-22	PC				amro	American Robin	2	Flightless young	0					
7-9-22	PC				nofl	Northern Flicker	1	Calling	100					
7-9-22	PC				bcch	Black-capped Chickadee	1	Calling	100					
7-9-22	PC				bhvi	Blue-headed Vireo	1	Singing	100					
7-9-22	PC				eawp	Eastern Wood-Pewee	1	Calling	0	Northwest				
7-9-22	PC				amgo	American Goldfinch	1	Calling	0					

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Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
7-9-22	PC				deju	Dark-eyed Junco	1	Calling	0					
7-9-22	PC				rthu	Ruby-throated Hummingbird	1	Calling	50					
7-9-22	PC				btbw	Black-throated Blue Warbler	1				Y			
7-9-22	PC	21	7:34	10	swth	Swainson's Thrush	2	Singing	0					
7-9-22	PC				oven	Ovenbird	2	Singing	100					
7-9-22	PC				revi	Red-eyed Vireo	1	Singing	50					
7-9-22	PC				bhvi	Blue-headed Vireo	1	Singing	100					
7-9-22	PC				deju	Dark-eyed Junco	3	Flightless young	50					
7-9-22	PC				heth	Hermit Thrush	2	Singing	50					
7-9-22	PC				wtsp	White-throated Sparrow	1	Singing	100					
7-9-22	PC				recr	Red Crossbill	4	Calling	100	Northeast				
7-9-22	PC				sosp	Song Sparrow	1	Singing	100					
7-9-22	PC				blbw	Blackburnian Warbler	1	Singing	0					
7-9-22	PC				cedw	Cedar Waxwing	1	Calling	0					
7-9-22	PC				wiwr	Winter Wren	1	Singing	100					
7-9-22	PC				gcki	Golden-crowned Kinglet	1	Calling	0					
7-9-22	PC				btbw	Black-throated Blue Warbler	1	agitated	0	South				
7-9-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	50					
7-9-22	PC				swsp	Swamp Sparrow	1	Flightless young	0					
7-9-22	PC	22	7:51	10	deju	Dark-eyed Junco	4	Calling	0					
7-9-22	PC				wiwr	Winter Wren	1	Singing	100					
7-9-22	PC				coye	Common Yellowthroat	1	Singing	100					
7-9-22	PC				wtsp	White-throated Sparrow	2	Singing	50					
7-9-22	PC				blja	Blue Jay	2	Calling	100					
7-9-22	PC				heth	Hermit Thrush	1	Singing	50					
7-9-22	PC				recr	Red Crossbill	1	Calling	100	South				
7-9-22	PC				swth	Swainson's Thrush	1	Calling	50					
7-9-22	PC				sosp	Song Sparrow	2	Singing	50					
7-9-22	PC				swsp	Swamp Sparrow	1	Calling	50	Northwest				
7-9-22	PC				trez	Tree Swallow	1	Passing	100	Northeast		50	West	
7-9-22	PC				amro	American Robin	1	Calling	100					
7-9-22	PC				oven	Ovenbird	1	Singing	100					
7-9-22	PC				cote	Common Tern	1	Passing	50	Southeast		50	North	
7-9-22	PC				modo	Mourning Dove	1	Passing	100	North		50	Southeast	
7-9-22	PC				revi	Red-eyed Vireo	1	Singing	100					
7-9-22	PC				piwo	Pileated Woodpecker	1	Calling	100					
7-9-22	PC				pawa	Palm Warbler	1	Singing	100					
7-9-22	PC	23	8:05	10	nopa	Northern Parula	2	Singing	0					
7-9-22	PC				pawa	Palm Warbler	1	Singing	0					
7-9-22	PC				deju	Dark-eyed Junco	1	Singing	0					
7-9-22	PC				sosp	Song Sparrow	1	Singing	0					
7-9-22	PC				ybfj	Yellow-bellied Flycatcher	1	Singing	100					
7-9-22	PC				bhvi	Blue-headed Vireo	1	Singing	100					
7-9-22	PC				ybsa	Yellow-bellied Sapsucker	1	Nesting with young	0	East				
7-9-22	PC				mawa	Magnolia Warbler	1	Singing	50					
7-9-22	PC				wtsp	White-throated Sparrow	1	Singing	100					
7-9-22	PC				heth	Hermit Thrush	2	Singing	100					
7-9-22	PC				cswa	Chestnut-sided Warbler	1	Singing	50					
7-9-22	PC				oven	Ovenbird	2	Singing	50					
7-9-22	PC				swth	Swainson's Thrush	1	Singing	100					
7-9-22	PC				cora	Common Raven	1	Calling	500					
7-9-22	PC				nofl	Northern Flicker	1	Calling	100					
7-9-22	PC				cogr	Common Grackle	1	Calling	50					
7-9-22	PC				amgo	American Goldfinch	1	Calling	0					
7-9-22	PC				swsp	Swamp Sparrow	1	Singing	50					
7-9-22	PC				pufi	Purple Finch	1	Calling	50	Northwest				
7-9-22	PC				coni	Common Nighthawk	2	Calling	500	Northeast				
7-9-22	PC				modo	Mourning Dove	1	Singing	100					
7-9-22	PC				wiwr	Winter Wren	1	Singing	100					
7-9-22	PC	24	8:20	10	nofl	Northern Flicker	3	Flightless young	0					
7-9-22	PC				mawa	Magnolia Warbler	2	Singing	0					
7-9-22	PC				pawa	Palm Warbler	2	Singing	0					
7-9-22	PC				cedw	Cedar Waxwing	2	Calling	0					
7-9-22	PC				coye	Common Yellowthroat	1	Singing	50					
7-9-22	PC				hawo	Hairy Woodpecker	1	Nesting with young	0					
7-9-22	PC				deju	Dark-eyed Junco	1	Singing	0					
7-9-22	PC				yrwa	Yellow-rumped Warbler	1	Calling	50					
7-9-22	PC				wiwr	Winter Wren	1	Singing	100					
7-9-22	PC				ybsa	Yellow-bellied Sapsucker	2	Calling	100					
7-9-22	PC				bcch	Black-capped Chickadee	1	Calling	100					
7-9-22	PC				wtsp	White-throated Sparrow	1	Singing	100					
7-9-22	PC				amgo	American Goldfinch	1	Calling	50					
7-9-22	PC				btbw	Black-throated Blue Warbler	1	Singing	50					
7-9-22	PC				oven	Ovenbird	1	Singing	100					
7-9-22	PC				lefl	Least Flycatcher	1	Singing	50					
7-9-22	PC	27	8:37	10	heth	Hermit Thrush	2	Singing	100					
7-9-22	PC				swsp	Swamp Sparrow	1	Singing	50					
7-9-22	PC				coye	Common Yellowthroat	2	Singing	100					
7-9-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	50					
7-9-22	PC				pawa	Palm Warbler	1	Singing	50					
7-9-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	50	Northwest				



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Project # 21-7833

Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
7-9-22	PC				wiwr	Winter Wren	1	Singing	100					
7-9-22	PC				baww	Black-and-white Warbler	1	Singing	50					
7-9-22	PC	28	8:52	10	nopa	Northern Parula	1	Singing	50					
7-9-22	PC				pawa	Palm Warbler	3	Flightless young	0					
7-9-22	PC				pufi	Purple Finch	1	Calling	100					
7-9-22	PC				wtsp	White-throated Sparrow	1	Singing	100					
7-9-22	PC				heth	Hermit Thrush	2	Singing	100					
7-9-22	PC				bhvi	Blue-headed Vireo	1	Singing	100					
7-9-22	PC				oven	Ovenbird	1	Singing	100					
7-9-22	PC				btbw	Black-throated Blue Warbler	1	Singing	50					
7-9-22	PC				coni	Common Nighthawk	1	Calling	500	East				
7-9-22	PC				baww	Black-and-white Warbler	1	Singing	0					
7-9-22	PC	25	9:13	10	wtsp	White-throated Sparrow	1	Singing	100					
7-9-22	PC				coye	Common Yellowthroat	1	Singing	100					
7-9-22	PC				heth	Hermit Thrush	2	Singing	100					
7-9-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	0					
7-9-22	PC				baww	Black-and-white Warbler	1	Singing	0					
7-9-22	PC				sosp	Song Sparrow	1	Singing	50					
7-9-22	PC				cedw	Cedar Waxwing	2	Calling	50					
7-9-22	PC				bibw	Blackburnian Warbler	1	Singing	50					
7-9-22	PC				swth	Swainson's Thrush	1	Singing	100					
7-9-22	PC				pawa	Palm Warbler	1	Singing	0					
7-9-22	PC				nopa	Northern Parula	2	Singing	50					
7-9-22	PC				mawa	Magnolia Warbler	1	Calling	0					
7-9-22	PC				swsp	Swamp Sparrow	2	Flightless young	0					
7-9-22	PC	26	9:29	10	oven	Ovenbird	1	Singing	50					
7-9-22	PC				wiwr	Winter Wren	1	Singing	0					
7-9-22	PC				btbw	Black-throated Blue Warbler	1	Singing	50					
7-9-22	PC				mawa	Magnolia Warbler	1	Singing	50					
7-9-22	PC				nopa	Northern Parula	4	Flightless young	0					
7-9-22	PC				deju	Dark-eyed Junco	1	Calling	0					
7-9-22	PC				swth	Swainson's Thrush	2	Singing	0					
7-9-22	PC				bhvi	Blue-headed Vireo	1	Singing	50					
7-9-22	PC				cote	Common Tern	1	Calling	100	East				
7-9-22	PC				lefl	Least Flycatcher	1	Calling	0					
7-9-22	PC	30	9:45	10	pawa	Palm Warbler	2	Singing	0					
7-9-22	PC				swth	Swainson's Thrush	1	Singing	100					
7-9-22	PC				heth	Hermit Thrush	1	Singing	100					
7-9-22	PC				osfl	Olive-sided Flycatcher	1	Calling	250	South				
7-9-22	PC				sosp	Song Sparrow	1	Calling	0					
7-9-22	PC				yrwa	Yellow-rumped Warbler	1	Singing	0					
7-9-22	PC				coye	Common Yellowthroat	1	Singing	50					
7-9-22	PC				wiwr	Winter Wren	1	Singing	100					
7-9-22	PC				bcch	Black-capped Chickadee	1	Calling	100					
7-9-22	PC				baww	Black-and-white Warbler	1	Singing	50					
7-9-22	PC				ybf	Yellow-bellied Flycatcher	1	Calling	50					
7-9-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	0	Southwest				
7-9-22	PC				swsp	Swamp Sparrow	1	Singing	50					
7-9-22	PC				mawa	Magnolia Warbler	1	Singing	50					
7-9-22	PC				deju	Dark-eyed Junco	1	Calling	0					
7-9-22	PC	31	10:02	10	wtsp	White-throated Sparrow	1	Singing	100					
7-9-22	PC				mawa	Magnolia Warbler	2	Singing	0					
7-9-22	PC				modo	Mourning Dove	1	Singing	100					
7-9-22	PC				brcr	Brown Creeper	1	Calling	0					
7-9-22	PC				gcki	Golden-crowned Kinglet	2	Calling	0					
7-9-22	PC				oven	Ovenbird	1	Singing	100					
7-9-22	PC				piwo	Pileated Woodpecker	1	Foraging	50					
7-9-22	PC				deju	Dark-eyed Junco	1	Singing	0					
7-9-22	PC				swth	Swainson's Thrush	1	Calling	50					
7-9-22	PC				rbnu	Red-breasted Nuthatch	1	Calling	50	Northwest				

Table 15: Species Summary - 2022 Nightjar Surveys - Mersey River Wind Farm Projec**Project # 21-7833**

Common Name	Scientific Name	Bird Group	SARA	COSEWIC	NSESA	NS S-rank	Number Observed	Breeding Evidence Notes
Common Nighthawk	Chordeiles minor	6	Threatened	Special Concern	Threatened	S3B	55	
Common Tern	Sterna hirundo	2	Not Listed	Not at Risk	Not Listed	S3B	8	1. Carrying food towards toney lake 2. At least two carrying food
Great Horned Owl	Bubo virginianus	5	Not Listed	Not Listed	Not Listed	S4	1	
Red Crossbill	Loxia curvirostra	6	Not Listed	Not Listed	Not Listed	S3S4	3	
Ruby-crowned Kinglet	Regulus calendula	6	Not Listed	Not Listed	Not Listed	S5	1	

Table 16: Data - 2022 Nightjar Surveys - Mersey River Wind Farm Project

Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
7-7-22	Nightjar	con1	8:12	10	cote	Common Tern	1	Carrying food	50	Southeast		50	Northwest	Carrying food towards toney lake
7-7-22	Nightjar		#2		recr	Red Crossbill	3	Passing	0	Southwest		50	Northeast	
7-7-22	Nightjar		#3											
7-7-22	Nightjar		#4											
7-7-22	Nightjar		#5											
7-7-22	Nightjar		#6											
7-7-22	Nightjar	con1 2	8:25	10	rcki	Ruby-crowned Kinglet	1	Singing	100	Southeast				At least two carrying food
7-7-22	Nightjar		#2		cote	Common Tern	4	Passing	50	Southeast		50	Northwest	
7-7-22	Nightjar		#3											
7-7-22	Nightjar		#4											
7-7-22	Nightjar		#5											
7-7-22	Nightjar		#6											
7-7-22	Nightjar	con1 3	8:39	10	no birds									
7-7-22	Nightjar		#2											
7-7-22	Nightjar		#3											
7-7-22	Nightjar		#4											
7-7-22	Nightjar		#5											
7-7-22	Nightjar		#6											
7-7-22	Nightjar	con1 4	8:52	10	no birds									
7-7-22	Nightjar		#2											
7-7-22	Nightjar		#3											
7-7-22	Nightjar		#4											
7-7-22	Nightjar		#5											
7-7-22	Nightjar		#6											
7-7-22	Nightjar	con1 5	9:04	10	no birds									
7-7-22	Nightjar		#2											
7-7-22	Nightjar		#3											
7-7-22	Nightjar		#4											
7-7-22	Nightjar		#5											
7-7-22	Nightjar		#6											
7-7-22	Nightjar	con1 6	9:16	10	no birds									
7-7-22	Nightjar		#2											
7-7-22	Nightjar		#3											
7-7-22	Nightjar		#4											
7-7-22	Nightjar		#5											
7-7-22	Nightjar		#6											
7-7-22	Nightjar	con1 7	9:28	10	no birds									
7-7-22	Nightjar		#2											
7-7-22	Nightjar		#3											
7-7-22	Nightjar		#4											
7-7-22	Nightjar		#5											
7-7-22	Nightjar		#6											
7-7-22	Nightjar	con1 8	9:41	10	no birds									
7-7-22	Nightjar		#2											
7-7-22	Nightjar		#3											
7-7-22	Nightjar		#4											
7-7-22	Nightjar		#5											
7-7-22	Nightjar		#6											
7-7-22	Nightjar	con1 9	9:55	10	con1	Common Nighthawk	1	Peent						
7-7-22	Nightjar		#2		con1	Common Nighthawk	1	Peent	500	East				
7-7-22	Nightjar		#2		con1	Common Nighthawk	1	Boom	500	Southeast				
7-7-22	Nightjar		#3		con1	Common Nighthawk	1	Boom	500	Northeast				
7-7-22	Nightjar		#3		ghow	Great Horned Owl	1	calling	500	East				
7-7-22	Nightjar		#3		con1	Common Nighthawk	1	Boom	500	Southeast				
7-7-22	Nightjar		#4		con1	Common Nighthawk	1	Peent	500	Southeast				
7-7-22	Nightjar		#5											
7-7-22	Nightjar		#6		con1	Common Nighthawk	1	Boom	500	Southeast				
7-7-22	Nightjar		#6		con1	Common Nighthawk	1	Boom	500	Northeast				
7-7-22	Nightjar	con1 10	10:11	10	con1	Common Nighthawk	1	Peent	0	South				
7-7-22	Nightjar		#2		con1	Common Nighthawk		Boom	0	South				
7-7-22	Nightjar		#3		con1	Common Nighthawk	2	Boom	0	South				
7-7-22	Nightjar		#4											
7-7-22	Nightjar		#5		con1	Common Nighthawk	1	Boom	0	South				
7-7-22	Nightjar		#6		con1	Common Nighthawk	1	Boom	0	South				
7-7-22	Nightjar		#6		con1	Common Nighthawk	1	Boom	500	West				
7-17-22	Nightjar	con1	8:28	10	no birds									
7-17-22	Nightjar		#2											
7-17-22	Nightjar		#3											
7-17-22	Nightjar		#4											
7-17-22	Nightjar		#5											

Table 16: Data - 2022 Nightjar Surveys - Mersey River Wind Farm Project

Date	Survey Type	Point Count #	Survey Start Time	Total Survey Time (mins)	Species Code	Common Name	#	Behaviour	Distance	Bearing	Incidental	Pass. Height	Pass. Direction	Comments
7-17-22	Nightjar		#6											
7-17-22	Nightjar	coni 2	8:41	10	cote	Common Tern	3	Passing	100	Southeast	Y	50	Northwest	
7-17-22	Nightjar		#2											
7-17-22	Nightjar		#3											
7-17-22	Nightjar		#5											
7-17-22	Nightjar		#6											
7-17-22	Nightjar	coni 3	8:54	10	coni	Common Nighthawk	1	Peent	500m	North				
7-17-22	Nightjar		#2											
7-17-22	Nightjar		#4											
7-17-22	Nightjar		#5											
7-17-22	Nightjar		#6											
7-17-22	Nightjar	coni 4	9:06	10	coni	Common Nighthawk	1	Peent	250	Southeast				
7-17-22	Nightjar		#2											
7-17-22	Nightjar		#3		coni	Common Nighthawk	2	Peent	250	Southeast				
7-17-22	Nightjar		#4		coni	Common Nighthawk	1	Peent	100	South				
7-17-22	Nightjar		#4		coni	Common Nighthawk	2	Boom	250	Southeast				
7-17-22	Nightjar		#5		coni	Common Nighthawk	1	Peent	100	South				
7-17-22	Nightjar		#5		coni	Common Nighthawk	2	Peent	250	Southeast				
7-17-22	Nightjar		#6		coni	Common Nighthawk	3	Boom	250	Southeast				Ay least 7 Common Nighthawks for minute 6
7-17-22	Nightjar		#6		coni	Common Nighthawk	4	Boom	250	East				
7-17-22	Nightjar	coni 5	9:17	10	no birds									
7-17-22	Nightjar		#2											
7-17-22	Nightjar		#3											
7-17-22	Nightjar		#4											
7-17-22	Nightjar		#5											
7-17-22	Nightjar		#6											
7-17-22	Nightjar	coni 6	9:28	10	coni	Common Nighthawk	2	Peent	100	East				
7-17-22	Nightjar		#2		coni	Common Nighthawk	1	Boom	100	Southeast				
7-17-22	Nightjar		#3		coni	Common Nighthawk	2	Peent	100	Southeast				
7-17-22	Nightjar		#4		coni	Common Nighthawk	1	Boom	500	East				
7-17-22	Nightjar		#4		coni	Common Nighthawk	1	Peent	100	South				
7-17-22	Nightjar		#5		coni	Common Nighthawk	1	Peent	100	Southeast				
7-17-22	Nightjar		#6		coni	Common Nighthawk	1	Boom	100	Southeast				
7-17-22	Nightjar	coni 7	9:38	10	coni	Common Nighthawk	1	Peent	250	North				
7-17-22	Nightjar		#2		coni	Common Nighthawk	1	Peent	500	North				
7-17-22	Nightjar		#3		coni	Common Nighthawk	1	Peent	500	North				
7-17-22	Nightjar		#4		coni	Common Nighthawk	1	Peent	500	North				
7-17-22	Nightjar		#5		coni	Common Nighthawk	1	Peent	500	North				
7-17-22	Nightjar		#6											
7-17-22	Nightjar	coni 8	9:52	10	coni	Common Nighthawk	1	Peent	250	Southwest				
7-17-22	Nightjar		#1		coni	Common Nighthawk	1	Peent	250	South				
7-17-22	Nightjar		#2		coni	Common Nighthawk	1	Peent	250	Southwest				
7-17-22	Nightjar		#2		coni	Common Nighthawk	1	Peent	500	South				
7-17-22	Nightjar		#3											
7-17-22	Nightjar		#4											
7-17-22	Nightjar		#5											
7-17-22	Nightjar		#6											
7-17-22	Nightjar	coni 9	10:05	10	coni	Common Nighthawk	1	Peent	250	North				
7-17-22	Nightjar		#2											
7-17-22	Nightjar		#3											
7-17-22	Nightjar		#4		coni	Common Nighthawk	1	Peent	500	West				
7-17-22	Nightjar		#5		coni	Common Nighthawk	1	Peent	500	Northwest				
7-17-22	Nightjar		#6		coni	Common Nighthawk	1	Peent	500	Northwest				
7-17-22	Nightjar	coni 10	10:19	10	coni	Common Nighthawk	2	Peent	250	East				
7-17-22	Nightjar		#2											
7-17-22	Nightjar		#3											
7-17-22	Nightjar		#4											
7-17-22	Nightjar		#5											
7-17-22	Nightjar		#6											

Table 17: SAR Observations- Mersey River Wind Farm Project

Project # 21-7833

Date	Point Count #	Common Name	Distance (m)	Bearing	Breeding Evidence	Comments
6-17-21	1	Eastern Wood-Pewee	100	N	Male Singing	
5-26-22	4	Olive-sided Flycatcher	250	SW	Male Singing	
5-26-22	5	Olive-sided Flycatcher	100	N	Male Singing	
5-26-22	6	Olive-sided Flycatcher	250	SW	Male Singing	
6-17-21	7	Olive-sided Flycatcher	250	SW	Male Singing	
9-19-22	9	Eastern Wood-Pewee	50	W		Calling
6-17-21	11	Olive-sided Flycatcher	250	NE	Male Singing	
7-5-21	14	Olive-sided Flycatcher	100	N	N/A	Bird was "pipping"
9-5-22	14	Eastern Wood-Pewee	50	W		Singing out of breeding season
5-29-22	14	Olive-sided Flycatcher	0	NW	Male Singing	
6-17-21	15	Eastern Wood-Pewee	100	N	Male Singing	
5-29-22	15	Olive-sided Flycatcher	100	W	Male Singing	
7-8-22	18	Chimney Swift	50			Calling
6-18-22	18	Eastern Wood-Pewee	0	N		Calling
6-18-22	20	Eastern Wood-Pewee	100	W	Male Singing	
7-9-22	20	Eastern Wood-Pewee	50	SW	Male Singing	
7-9-22	20	Evening Grosbeak	100	W		Calling (2)
6-18-22	21	Olive-sided Flycatcher	250		Male Singing	
6-18-22	22	Olive-sided Flycatcher	250	SW	Male Singing	
7-8-22	23	Common Nighthawk	500	NE		Calling (2)
6-18-22	23	Olive-sided Flycatcher	100	N	Male Singing	
5-13-22	23	Evening Grosbeak	50	NW		Calling (2)
5-29-22	23	Olive-sided Flycatcher	100	W	Male Singing	
6-18-22	24	Eastern Wood-Pewee	100	SW	Male Singing	3 birds
6-18-22	26	Olive-sided Flycatcher	50	SW	Male Singing	2 birds
6-18-22	28	Chimney Swift	0			Overhead Foraging
7-8-22	28	Common Nighthawk	500	E		Calling
6-18-22	29	Eastern Wood-Pewee	100	N	Male Singing	
7-9-22	29	Eastern Wood-Pewee	0	NW		Calling
7-9-22	30	Olive-sided Flycatcher	250	S		Calling
6-18-22	31	Evening Grosbeak				
7-17-22	CONI3	Common Nighthawk	500	N		Peent
7-17-22	CONI4	Common Nighthawk	100-250	S, SE, E		16 birds, booming, peenting
7-17-22	CONI6	Common Nighthawk	100-500	E, SE, S		9 birds, booming, peenting
7-17-22	CONI7	Common Nighthawk	250-500	N		5 birds, booming, peenting
7-17-22	CONI8	Common Nighthawk	250-500	S, SW		4 birds, all peenting
7-7-22	CONI9	Common Nighthawk	0-500	E, SE, NE		8 birds, booming, peenting
7-17-22	CONI9	Common Nighthawk	250-500	N, NW, W		4 birds, peenting
7-7-22	CONI10	Common Nighthawk	0-500	S, W		7 birds, booming, peenting
7-17-22	CONI10	Common Nighthawk	250	E		2 birds peenting
4-12-22	Hawk 1	Evening Grosbeak	100	S		

Table 18: 2021 Fall Migration - Vertical Radar Results - Mersey River Wind Farm Project

Project # 21-7833

Date	Nominal Bird Target Range (m) (bin)											Total by Date
	0-25	25-50	50-100	100-150	150-200	200-250	250-500	500-1000	1000-1500	1500-2000	2000-3000	
8-16-21	0	0	0	0	0	0	0	0	0	0	0	0
8-17-21	0	0	0	0	0	0	0	0	0	0	0	0
8-18-21	0	0	0	0	0	0	0	0	0	0	0	0
8-19-21	0	0	0	0	0	0	0	0	0	0	0	0
8-20-21	0	0	0	0	0	0	0	0	0	0	0	0
8-21-21	0	0	0	0	0	0	0	0	0	0	0	0
8-22-21	0	0	0	0	0	0	0	0	0	0	0	0
8-23-21	0	0	0	0	0	0	0	0	0	0	0	0
8-24-21	0	0	0	0	0	0	0	0	0	0	0	0
8-25-21	0	0	0	0	0	0	0	0	0	0	0	0
8-26-21	0	0	0	0	0	0	0	0	0	0	0	0
8-27-21	0	0	0	0	0	0	0	0	0	0	0	0
8-28-21	0	0	0	0	0	0	0	0	0	0	0	0
8-29-21	0	0	0	0	0	0	0	0	0	0	0	0
8-30-21	0	0	0	0	0	0	0	0	0	0	0	0
8-31-21	15	27	74	212	451	537	2470	4117	2041	10	0	9954
9-1-21	0	0	0	0	0	0	0	0	0	0	0	0
9-2-21	19	82	257	400	546	626	3516	5006	2371	16	0	12839
9-3-21	0	0	0	0	0	0	0	0	0	0	0	0
9-4-21	0	0	0	0	0	0	0	0	0	0	0	0
9-5-21	0	0	0	0	0	0	0	0	0	0	0	0
9-6-21	0	0	0	0	0	0	0	0	0	0	0	0
9-7-21	0	0	0	0	0	0	0	0	0	0	0	0
9-8-21	0	0	0	0	0	0	0	0	0	0	0	0
9-9-21	0	0	0	0	0	0	0	0	0	0	0	0
9-10-21	0	0	0	0	0	0	0	0	0	0	0	0
9-11-21	0	0	0	0	0	0	0	0	0	0	0	0
9-12-21	0	0	0	0	0	0	0	0	0	0	0	0
9-13-21	0	0	0	0	0	0	0	0	0	0	0	0
9-14-21	0	0	0	0	0	0	0	0	0	0	0	0
9-15-21	0	0	0	0	0	0	0	0	0	0	0	0
9-16-21	0	0	0	0	0	0	0	0	0	0	0	0
9-17-21	0	0	0	0	0	0	0	0	0	0	0	0
9-18-21	0	0	0	0	0	0	0	0	0	0	0	0
9-19-21	0	0	0	0	0	0	0	0	0	0	0	0
9-20-21	0	0	0	0	0	0	0	0	0	0	0	0
9-21-21	0	0	0	0	0	0	0	0	0	0	0	0
9-22-21	0	0	0	0	0	0	0	0	0	0	0	0
9-23-21	0	0	0	0	0	0	0	0	0	0	0	0
9-24-21	0	0	0	0	0	0	0	0	0	0	0	0
9-25-21	0	0	0	1	0	0	26	83	25	0	0	135
9-26-21	0	0	0	0	0	0	0	0	0	0	0	0
9-27-21	0	0	0	0	0	0	0	0	0	0	0	0
9-28-21	0	0	0	0	0	0	0	0	0	0	0	0
9-29-21	0	0	0	0	0	0	0	0	0	0	0	0
9-30-21	0	0	0	0	0	0	0	0	0	0	0	0
10-1-21	0	0	0	0	0	0	0	0	0	0	0	0

Table 18: 2021 Fall Migration - Vertical Radar Results - Mersey River Wind Farm Project

Project # 21-7833

Date	Nominal Bird Target Range (m) (bin)											Total by Date
	0-25	25-50	50-100	100-150	150-200	200-250	250-500	500-1000	1000-1500	1500-2000	2000-3000	
10-2-21	0	0	0	0	0	0	0	0	0	0	0	0
10-3-21	0	0	0	0	0	0	0	0	0	0	0	0
10-4-21	0	0	0	0	0	0	0	0	0	0	0	0
10-5-21	0	0	0	0	0	0	0	0	0	0	0	0
10-6-21	0	0	0	0	0	0	0	0	0	0	0	0
10-7-21	0	0	0	0	0	0	0	0	0	0	0	0
10-8-21	0	0	0	0	0	0	0	0	0	0	0	0
10-9-21	0	0	0	0	0	0	0	0	0	0	0	0
10-10-21	0	0	0	0	0	0	0	0	0	0	0	0
10-11-21	0	0	0	0	0	0	0	0	0	0	0	0
10-12-21	0	0	0	0	0	0	0	0	0	0	0	0
10-13-21	0	0	0	0	0	0	0	0	0	0	0	0
10-14-21	0	0	0	0	0	0	0	0	0	0	0	0
10-15-21	0	0	0	0	0	0	0	0	0	0	0	0
10-16-21	0	0	0	0	0	0	0	0	0	0	0	0
10-17-21	0	0	0	0	0	0	0	0	0	0	0	0
10-18-21	0	0	0	0	0	0	0	0	0	0	0	0
Bin Total	34	109	331	613	997	1163	6012	9206	4437	26	0	22928

Table 19: 2021 Fall Migration - Horizontal Radar Results - Mersey River Wind Farm Project

Date	Nominal Bird Target Range (m) (bin)													Total by Date
	0-250	250-500	500-750	750-1000	1000-1250	1250-1500	1500-1750	1750-2000	2000-2500	2500-3000	3000-3500	3500-5000	5000-10000	
8-16-21	0	0	0	50	0	0	0	0	0	0	0	0	0	50
8-17-21	0	0	2	12	0	0	0	0	0	0	0	0	0	14
8-18-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8-19-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8-20-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8-21-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8-22-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8-23-21	0	0	6	311	565	390	139	0	0	0	0	0	0	1411
8-24-21	0	0	100	2214	3089	2783	989	0	0	0	0	0	0	9175
8-25-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8-26-21	0	0	0	0	1	5	0	0	0	0	0	0	0	6
8-27-21	0	0	0	9	19	20	1	0	0	0	0	0	0	49
8-28-21	0	0	1	72	15	13	1	0	0	0	0	0	0	102
8-29-21	0	0	363	254	2	1	0	0	0	0	0	0	0	620
8-30-21	0	0	0	556	1460	1914	668	0	0	0	0	0	0	4598
8-31-21	0	0	191	1709	1602	1913	621	0	0	0	0	0	0	6036
9-1-21	0	0	0	119	169	90	6	0	0	0	0	0	0	384
9-2-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9-3-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9-4-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9-5-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9-6-21	0	0	0	0	0	1	0	0	0	0	0	0	0	1
9-7-21	0	0	0	0	2	1	0	0	0	0	0	0	0	3
9-8-21	0	0	0	0	2	2	1	0	0	0	0	0	0	5
9-9-21	4	3	0	1	3	14	17	0	0	0	0	0	0	42
9-10-21	15	7	0	1	1	2	2	0	0	0	0	0	0	28
9-11-21	0	0	0	1	4	10	4	1	0	0	0	0	0	20
9-12-21	0	0	0	1	5	8	4	1	0	0	0	0	0	19
9-13-21	0	0	0	5	5	12	11	3	0	0	0	0	0	36
9-14-21	0	0	6	0	7	14	11	2	0	0	0	0	0	40
9-15-21	0	0	72	4	10	20	28	4	0	0	0	0	0	138
9-16-21	0	0	0	2	14	35	30	6	0	0	0	0	0	87
9-17-21	0	0	0	3	8	16	15	10	1	0	0	0	0	53
9-18-21	0	0	0	1	21	18	53	31	5	0	0	0	0	129
9-19-21	0	0	0	16	54	36	81	38	8	0	0	0	0	233
9-20-21	0	0	0	5	3	9	4	1	0	0	0	0	0	22
9-21-21	0	0	0	23	39	45	73	51	10	0	0	0	0	241
9-22-21	0	0	0	6	9	14	18	14	1	0	0	0	0	62
9-23-21	0	0	0	1	8	3	13	6	1	0	0	0	0	32
9-24-21	0	0	0	2	10	2	5	6	2	0	0	0	0	27
9-25-21	0	0	0	1	6	3	3	1	1	0	0	0	0	15
9-26-21	0	0	0	0	1	1	0	0	0	0	0	0	0	2
9-27-21	0	0	0	1	1	0	0	0	0	0	0	0	0	2
9-28-21	0	0	0	0	0	0	1	0	0	0	0	0	0	1
9-29-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9-30-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-1-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-2-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-3-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-4-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-5-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-6-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-7-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-8-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-9-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-10-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-11-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 19: 2021 Fall Migration - Horizontal Radar Results - Mersey River Wind Farm Project

Date	Nominal Bird Target Range (m) (bin)													Total by Date
	0-250	250-500	500-750	750-1000	1000-1250	1250-1500	1500-1750	1750-2000	2000-2500	2500-3000	3000-3500	3500-5000	5000-10000	
10-12-21	0	0	0	160	28	37	0	187	265	13	0	0	0	690
10-13-21	0	0	0	733	260	545	0	341	2100	1508	5	0	0	5492
10-14-21	0	0	0	436	877	265	12	943	2385	1178	65	0	0	6161
10-15-21	0	0	0	482	470	256	0	358	1952	745	0	0	0	4263
10-16-21	0	0	0	38	47	24	1	119	123	152	0	0	0	504
10-17-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-18-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total by Bin	19	10	741	7229	8817	8522	2812	2123	6854	3596	70	0	0	40793

Table 20: 2022 Spring Migration - Radar Results - Mersey River Wind Farm Project

Date	Nominal Bird Target Range (m) (bin)													Total by Date
	0-250	250-500	500-750	750-1000	1000-1250	1250-1500	1500-1750	1750-2000	2000-2500	2500-3000	3000-3500	3500-5000	5000-10000	
4-11-22	0	0	0	0	250	1	0	4	0	0	0	0	0	255
4-12-22	0	0	0	0	1740	1	6	31	394	115	0	0	0	2287
4-13-22	0	0	0	0	564	1	0	20	0	0	0	0	0	585
4-14-22	0	0	0	0	45	0	523	6054	22441	3011	0	0	0	32074
4-15-22	0	0	0	0	0	0	4	32	80	17	0	0	0	133
4-16-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-17-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-18-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-19-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-20-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-21-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-22-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-23-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-24-22	0	0	0	1	0	0	0	0	0	0	0	0	0	1
4-25-22	0	0	0	0	0	1	0	0	0	0	0	0	0	1
4-26-22	0	0	0	1	2	5	1	1	0	0	0	0	0	10
4-27-22	0	0	0	0	1	1	0	0	0	0	0	0	0	2
4-28-22	0	0	0	0	1	1	1	0	0	0	0	0	0	3
4-29-22	0	0	0	1	1	3	0	0	0	0	0	0	0	5
4-30-22	0	0	0	3	6	13	0	1	0	0	0	0	0	23
5-1-22	0	0	0	2	0	2	0	0	1	0	0	0	0	5
5-2-22	0	0	0	3	2	4	0	0	0	0	0	0	0	9
5-3-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-4-22	0	0	0	1	0	0	0	0	0	0	0	0	0	1
5-5-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-6-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-7-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-8-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-9-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-10-22	0	0	0	0	34	0	0	3	0	0	0	0	0	37
5-11-22	0	0	0	0	114	0	0	16	0	0	0	0	0	130
5-12-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-13-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-14-22	0	0	0	1	0	4	0	0	0	0	0	0	0	5
5-15-22	0	0	0	1	1	1	0	0	0	0	0	0	0	3
5-16-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-17-22	0	0	0	0	59	0	0	3	0	0	0	0	0	62
5-18-22	0	0	0	0	267	0	0	0	0	0	0	0	0	267
5-19-22	0	0	0	0	558	0	4	31	0	0	0	0	0	593
5-20-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-21-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-22-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-23-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-24-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-25-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-26-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-27-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-28-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-29-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-30-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5-31-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6-1-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6-2-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6-3-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6-4-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6-5-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6-6-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6-7-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 20: 2022 Spring Migration - Radar Results - Mersey River Wind Farm Project

Project # 21-7833

Date	Nominal Bird Target Range (m) (bin)												Total by Date	
	0-250	250-500	500-750	750-1000	1000-1250	1250-1500	1500-1750	1750-2000	2000-2500	2500-3000	3000-3500	3500-5000		5000-10000
6-8-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6-9-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6-10-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6-11-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6-12-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6-13-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6-14-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6-15-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6-16-22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total by Bin	0	0	0	14	3645	38	539	6196	22916	3143	0	0	0	36491

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-07-15 0:00	16.8	0	19	11	1.68	High	New Moon
WESTERN HEAD	2021-07-15 1:00	16.8	0	18	9	1.44	High	New Moon
WESTERN HEAD	2021-07-15 2:00	16.7	0	20	11	1.19	Ebb	New Moon
WESTERN HEAD	2021-07-15 3:00	17	0	18	17	0.81	Ebb	New Moon
WESTERN HEAD	2021-07-15 4:00	16.8	0	20	12	0.59	Low	New Moon
WESTERN HEAD	2021-07-15 5:00	17.2	0	19	16	0.36	Low	New Moon
WESTERN HEAD	2021-07-15 6:00	17.1	0	17	19	0.32	Low	New Moon
WESTERN HEAD	2021-07-15 7:00	17.2	0	18	13	0.45	Low	New Moon
WESTERN HEAD	2021-07-15 8:00	17.4	0	24	10	0.7	Low	New Moon
WESTERN HEAD	2021-07-15 9:00	17.3	0.3	23	15	1.1	Flood	New Moon
WESTERN HEAD	2021-07-15 10:00	17.9	8.5	21	17	1.48	High	New Moon
WESTERN HEAD	2021-07-15 11:00	17.6	0	21	13	1.7	High	New Moon
WESTERN HEAD	2021-07-15 12:00	17.6	0.2	18	15	1.8	High	New Moon
WESTERN HEAD	2021-07-15 13:00	17	0	19	9	1.69	High	New Moon
WESTERN HEAD	2021-07-15 14:00	17	0	22	12	1.43	High	New Moon
WESTERN HEAD	2021-07-15 15:00	17.4	0	22	17	1.15	Ebb	New Moon
WESTERN HEAD	2021-07-15 16:00	17.3	0.2	21	14	0.9	Ebb	New Moon
WESTERN HEAD	2021-07-15 17:00	17.3	0.9	18	21	0.67	Low	New Moon
WESTERN HEAD	2021-07-15 18:00	16.8	0.3	18	17	0.6	Low	New Moon
WESTERN HEAD	2021-07-15 19:00	16.6	0	17	17	0.57	Low	New Moon
WESTERN HEAD	2021-07-15 20:00	16.2	0	17	18	0.74	Low	New Moon
WESTERN HEAD	2021-07-15 21:00	16.1	0	19	13	1.09	Flood	New Moon
WESTERN HEAD	2021-07-15 22:00	15.8	0	20	11	1.36	High	New Moon
WESTERN HEAD	2021-07-15 23:00	16.1	0	23	11	1.67	High	New Moon
WESTERN HEAD	2021-07-16 0:00	16.4	0	22	11	1.67	High	New Moon
WESTERN HEAD	2021-07-16 1:00	15.9	0	20	9	1.63	High	New Moon
WESTERN HEAD	2021-07-16 2:00	15.7	0	16	10	1.37	High	New Moon
WESTERN HEAD	2021-07-16 3:00	15.7	0	19	8	1.09	Ebb	New Moon
WESTERN HEAD	2021-07-16 4:00	15.7	0	20	9	0.81	Ebb	New Moon
WESTERN HEAD	2021-07-16 5:00	16.5	0.2	19	12	0.55	Low	New Moon
WESTERN HEAD	2021-07-16 6:00	16.2	0	19	17	0.41	Low	New Moon
WESTERN HEAD	2021-07-16 7:00	16.3	0	20	16	0.37	Low	New Moon
WESTERN HEAD	2021-07-16 8:00	16.6	0	19	17	0.51	Low	New Moon
WESTERN HEAD	2021-07-16 9:00	17	0	21	14	0.83	Flood	New Moon
WESTERN HEAD	2021-07-16 10:00	17.2	0	19	22	1.25	Flood	New Moon
WESTERN HEAD	2021-07-16 11:00	18.2	0	20	21	1.57	High	New Moon
WESTERN HEAD	2021-07-16 12:00	18.7	0	19	20	1.79	High	New Moon
WESTERN HEAD	2021-07-16 13:00	19.3	0	19	24	1.81	High	New Moon
WESTERN HEAD	2021-07-16 14:00	18.5	0	19	28	1.67	High	New Moon
WESTERN HEAD	2021-07-16 15:00	18.2	0	19	31	1.44	High	New Moon
WESTERN HEAD	2021-07-16 16:00	17.9	0	19	32	1.16	Ebb	New Moon
WESTERN HEAD	2021-07-16 17:00	16.9	0	19	27	0.92	Ebb	New Moon
WESTERN HEAD	2021-07-16 18:00	16.2	0	20	21	0.71	Low	New Moon
WESTERN HEAD	2021-07-16 19:00	15.7	0	20	24	0.59	Low	New Moon
WESTERN HEAD	2021-07-16 20:00	15.2	0	20	22	0.59	Low	New Moon
WESTERN HEAD	2021-07-16 21:00	15.1	0	21	18	0.78	Low	New Moon
WESTERN HEAD	2021-07-16 22:00	14.8	0	19	19	1.09	Flood	New Moon
WESTERN HEAD	2021-07-16 23:00	14.8	0	20	22	1.42	High	New Moon
WESTERN HEAD	2021-07-17 0:00	14.7	0	22	13	1.63	High	New Moon
WESTERN HEAD	2021-07-17 1:00	14.7	0	24	13	1.71	High	New Moon
WESTERN HEAD	2021-07-17 2:00	14.6	0	23	13	1.57	High	New Moon
WESTERN HEAD	2021-07-17 3:00	14.8	0	22	8	1.38	High	New Moon
WESTERN HEAD	2021-07-17 4:00	15	0	22	7	1.12	Ebb	New Moon
WESTERN HEAD	2021-07-17 5:00	15	0	24	5	0.84	Ebb	New Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-07-17 6:00	16.2	0	27	2	0.59	Low	New Moon
WESTERN HEAD	2021-07-17 7:00	15.2	0	20	9	0.46	Low	First Quarter
WESTERN HEAD	2021-07-17 8:00	17	0	24	10	0.42	Low	First Quarter
WESTERN HEAD	2021-07-17 9:00	17.7	0	21	7	0.62	Low	First Quarter
WESTERN HEAD	2021-07-17 10:00	19.8	0	19	6	0.96	Flood	First Quarter
WESTERN HEAD	2021-07-17 11:00	20.8	0	18	6	1.32	High	First Quarter
WESTERN HEAD	2021-07-17 12:00	21.1	0	17	7	1.65	High	First Quarter
WESTERN HEAD	2021-07-17 13:00	19.8	0	17	8	1.78	High	First Quarter
WESTERN HEAD	2021-07-17 14:00	19.2	0	17	6	1.8	High	First Quarter
WESTERN HEAD	2021-07-17 15:00	19	0	17	9	1.66	High	First Quarter
WESTERN HEAD	2021-07-17 16:00	18.6	0	18	8	1.4	High	First Quarter
WESTERN HEAD	2021-07-17 17:00	18.4	0	18	6	1.15	Ebb	First Quarter
WESTERN HEAD	2021-07-17 18:00	18.5	0	16	5	0.84	Ebb	First Quarter
WESTERN HEAD	2021-07-17 19:00	17.4	0	14	5	0.62	Low	First Quarter
WESTERN HEAD	2021-07-17 20:00	16.8	0	25	2	0.49	Low	First Quarter
WESTERN HEAD	2021-07-17 21:00	17	0	0	1	0.5	Low	First Quarter
WESTERN HEAD	2021-07-17 22:00	16.6	0	36	5	0.67	Low	First Quarter
WESTERN HEAD	2021-07-17 23:00	16.2	0		0	1.02	Flood	First Quarter
WESTERN HEAD	2021-07-18 0:00	17.2	0	25	10	1.34	High	First Quarter
WESTERN HEAD	2021-07-18 1:00	17.7	0	30	6	1.54	High	First Quarter
WESTERN HEAD	2021-07-18 2:00	19.9	0	31	11	1.59	High	First Quarter
WESTERN HEAD	2021-07-18 3:00	19.3	0	30	7	1.53	High	First Quarter
WESTERN HEAD	2021-07-18 4:00	18.2	0	35	5	1.33	High	First Quarter
WESTERN HEAD	2021-07-18 5:00	18.1	0	20	3	1.11	Ebb	First Quarter
WESTERN HEAD	2021-07-18 6:00	18.7	0	23	3	0.85	Ebb	First Quarter
WESTERN HEAD	2021-07-18 7:00	19.6	0	25	5	0.65	Low	First Quarter
WESTERN HEAD	2021-07-18 8:00	22.3	0	9	4	0.46	Low	First Quarter
WESTERN HEAD	2021-07-18 9:00	22.5	0	16	4	0.49	Low	First Quarter
WESTERN HEAD	2021-07-18 10:00	23.3	0	17	5	0.65	Low	First Quarter
WESTERN HEAD	2021-07-18 11:00	23.9	0	13	5	1	Flood	First Quarter
WESTERN HEAD	2021-07-18 12:00	23.5	0	15	6	1.39	High	First Quarter
WESTERN HEAD	2021-07-18 13:00	21.5	0	20	6	1.68	High	First Quarter
WESTERN HEAD	2021-07-18 14:00	22	0	20	5	1.82	High	First Quarter
WESTERN HEAD	2021-07-18 15:00	19.4	0	21	6	1.83	High	First Quarter
WESTERN HEAD	2021-07-18 16:00	19.5	0	0	1	1.62	High	First Quarter
WESTERN HEAD	2021-07-18 17:00	18.3	1	8	3	1.43	High	First Quarter
WESTERN HEAD	2021-07-18 18:00	17.6	9.8	36	6	1.13	Ebb	First Quarter
WESTERN HEAD	2021-07-18 19:00	17.3	0	2	7	0.85	Ebb	First Quarter
WESTERN HEAD	2021-07-18 20:00	17.3	0.5	2	7	0.62	Low	First Quarter
WESTERN HEAD	2021-07-18 21:00	17.1	0	1	6	0.4	Low	First Quarter
WESTERN HEAD	2021-07-18 22:00	17	0	1	7	0.45	Low	First Quarter
WESTERN HEAD	2021-07-18 23:00	16.9	0	2	5	0.64	Low	First Quarter
WESTERN HEAD	2021-07-19 0:00	16.8	0	2	6	1.01	Flood	First Quarter
WESTERN HEAD	2021-07-19 1:00	16.9	0	1	5	1.36	High	First Quarter
WESTERN HEAD	2021-07-19 2:00	17	0	18	2	1.55	High	First Quarter
WESTERN HEAD	2021-07-19 3:00	16.4	0	20	10	1.67	High	First Quarter
WESTERN HEAD	2021-07-19 4:00	16.4	0	19	8	1.57	High	First Quarter
WESTERN HEAD	2021-07-19 5:00	16.3	0	20	10	1.43	High	First Quarter
WESTERN HEAD	2021-07-19 6:00	16.4	0	18	12	1.16	Ebb	First Quarter
WESTERN HEAD	2021-07-19 7:00	16.7	0	21	9	0.95	Ebb	First Quarter
WESTERN HEAD	2021-07-19 8:00	17.1	0.2	19	6	0.71	Low	First Quarter
WESTERN HEAD	2021-07-19 9:00	17.6	0	20	11	0.57	Low	First Quarter
WESTERN HEAD	2021-07-19 10:00	17.6	0	19	10	0.57	Low	First Quarter
WESTERN HEAD	2021-07-19 11:00	17.8	0	21	10	0.66	Low	First Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-07-19 12:00	18.4	0	19	16	1.05	Flood	First Quarter
WESTERN HEAD	2021-07-19 13:00	20.5	0	18	14	1.38	High	First Quarter
WESTERN HEAD	2021-07-19 14:00	19	0	20	19	1.73	High	First Quarter
WESTERN HEAD	2021-07-19 15:00	19.4	0	18	20	1.88	High	First Quarter
WESTERN HEAD	2021-07-19 16:00	18.9	0	19	19	1.83	High	First Quarter
WESTERN HEAD	2021-07-19 17:00	18.3	0	19	15	1.72	High	First Quarter
WESTERN HEAD	2021-07-19 18:00	17.6	0	23	10	1.46	High	First Quarter
WESTERN HEAD	2021-07-19 19:00	16.6	0	22	13	1.15	Ebb	First Quarter
WESTERN HEAD	2021-07-19 20:00	16.3	0	22	11	0.82	Ebb	First Quarter
WESTERN HEAD	2021-07-19 21:00	16.1	0	20	14	0.58	Low	First Quarter
WESTERN HEAD	2021-07-19 22:00	16.1	0	22	11	0.35	Low	First Quarter
WESTERN HEAD	2021-07-19 23:00	16.2	0	20	14	0.44	Low	First Quarter
WESTERN HEAD	2021-07-20 0:00	16.1	0	20	16	0.58	Low	First Quarter
WESTERN HEAD	2021-07-20 1:00	15.7	0.2	20	12	1	Flood	First Quarter
WESTERN HEAD	2021-07-20 2:00	15.3	0	19	14	1.3	High	First Quarter
WESTERN HEAD	2021-07-20 3:00	15.5	0	20	14	1.56	High	First Quarter
WESTERN HEAD	2021-07-20 4:00	15.6	0	23	6	1.7	High	First Quarter
WESTERN HEAD	2021-07-20 5:00	15.2	0	18	17	1.63	High	First Quarter
WESTERN HEAD	2021-07-20 6:00	15.6	0	24	6	1.54	High	First Quarter
WESTERN HEAD	2021-07-20 7:00	15.8	0	20	4	1.25	Ebb	First Quarter
WESTERN HEAD	2021-07-20 8:00	16	0	19	16	1.05	Ebb	First Quarter
WESTERN HEAD	2021-07-20 9:00	16.9	0	20	17	0.75	Low	First Quarter
WESTERN HEAD	2021-07-20 10:00	17.5	0	17	8	0.64	Low	First Quarter
WESTERN HEAD	2021-07-20 11:00	18.1	0	19	15	0.53	Low	First Quarter
WESTERN HEAD	2021-07-20 12:00	18.3	0	19	19	0.73	Low	First Quarter
WESTERN HEAD	2021-07-20 13:00	17.1	0	20	20	1.05	Flood	First Quarter
WESTERN HEAD	2021-07-20 14:00	17	0	21	9	1.46	High	First Quarter
WESTERN HEAD	2021-07-20 15:00	18.6	0	22	11	1.8	High	First Quarter
WESTERN HEAD	2021-07-20 16:00	19.3	0	21	11	1.92	High	First Quarter
WESTERN HEAD	2021-07-20 17:00	18.5	0	24	10	1.95	High	First Quarter
WESTERN HEAD	2021-07-20 18:00	17.5	0	24	9	1.77	High	First Quarter
WESTERN HEAD	2021-07-20 19:00	16.3	0	22	15	1.58	High	First Quarter
WESTERN HEAD	2021-07-20 20:00	17.2	0	25	11	1.18	Ebb	First Quarter
WESTERN HEAD	2021-07-20 21:00	17.4	0	24	12	0.86	Ebb	First Quarter
WESTERN HEAD	2021-07-20 22:00	18.2	0	25	14	0.48	Low	First Quarter
WESTERN HEAD	2021-07-20 23:00	16.4	0	23	11	0.34	Low	First Quarter
WESTERN HEAD	2021-07-21 0:00	16.1	0	23	11	0.25	Low	First Quarter
WESTERN HEAD	2021-07-21 1:00	15.7	0	25	7	0.59	Low	First Quarter
WESTERN HEAD	2021-07-21 2:00	14.9	0	23	2	0.94	Flood	First Quarter
WESTERN HEAD	2021-07-21 3:00	14.6	0	21	5	1.36	High	First Quarter
WESTERN HEAD	2021-07-21 4:00	14.5	0	22	7	1.62	High	First Quarter
WESTERN HEAD	2021-07-21 5:00	14.7	0	23	8	1.75	High	First Quarter
WESTERN HEAD	2021-07-21 6:00	14.8	0	22	8	1.71	High	First Quarter
WESTERN HEAD	2021-07-21 7:00	15.4	0	22	9	1.59	High	First Quarter
WESTERN HEAD	2021-07-21 8:00	17.1	0	21	8	1.39	High	First Quarter
WESTERN HEAD	2021-07-21 9:00	16.4	0	21	7	1.08	Ebb	First Quarter
WESTERN HEAD	2021-07-21 10:00	17.4	0	17	7	0.88	Ebb	First Quarter
WESTERN HEAD	2021-07-21 11:00	17.6	0	18	6	0.61	Low	First Quarter
WESTERN HEAD	2021-07-21 12:00	17.7	0	17	11	0.6	Low	First Quarter
WESTERN HEAD	2021-07-21 13:00	18.3	0	18	9	0.73	Low	First Quarter
WESTERN HEAD	2021-07-21 14:00	17.2	0	17	7	1.05	Flood	First Quarter
WESTERN HEAD	2021-07-21 15:00	17.4	0	17	17	1.56	High	First Quarter
WESTERN HEAD	2021-07-21 16:00	16.7	0	19	8	1.81	High	First Quarter
WESTERN HEAD	2021-07-21 17:00	16.9	0	21	8	2.07	High	First Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-07-21 18:00	17.6	0	23	12	1.96	High	First Quarter
WESTERN HEAD	2021-07-21 19:00	17.7	0	22	7	1.87	High	First Quarter
WESTERN HEAD	2021-07-21 20:00	17.8	0	23	5	1.53	High	First Quarter
WESTERN HEAD	2021-07-21 21:00	17.5	0	24	3	1.21	Ebb	First Quarter
WESTERN HEAD	2021-07-21 22:00	16.6	0	14	8	0.8	Low	First Quarter
WESTERN HEAD	2021-07-21 23:00	16.3	0	10	7	0.49	Low	First Quarter
WESTERN HEAD	2021-07-22 0:00	17	0	15	4	0.29	Low	First Quarter
WESTERN HEAD	2021-07-22 1:00	17	0	21	5	0.28	Low	First Quarter
WESTERN HEAD	2021-07-22 2:00	16.4	0	22	8	0.52	Low	First Quarter
WESTERN HEAD	2021-07-22 3:00	15.9	0	22	9	1.01	Flood	First Quarter
WESTERN HEAD	2021-07-22 4:00	16.3	0	24	4	1.4	High	First Quarter
WESTERN HEAD	2021-07-22 5:00	15.8	0	16	6	1.7	High	First Quarter
WESTERN HEAD	2021-07-22 6:00	16.8	9.4	25	7	1.88	High	First Quarter
WESTERN HEAD	2021-07-22 7:00	17.2	5.9	1	8	1.82	High	First Quarter
WESTERN HEAD	2021-07-22 8:00	17.6	0.3	36	2	1.72	High	First Quarter
WESTERN HEAD	2021-07-22 9:00	17	0.2	15	7	1.46	High	First Quarter
WESTERN HEAD	2021-07-22 10:00	17.5	0	21	8	1.14	Ebb	First Quarter
WESTERN HEAD	2021-07-22 11:00	17.4	0	20	6	0.86	Ebb	First Quarter
WESTERN HEAD	2021-07-22 12:00	17.7	0	24	8	0.64	Low	First Quarter
WESTERN HEAD	2021-07-22 13:00	20.6	0	29	14	0.62	Low	First Quarter
WESTERN HEAD	2021-07-22 14:00	22.3	0	31	15	0.77	Low	First Quarter
WESTERN HEAD	2021-07-22 15:00	21	0	32	16	1.07	Flood	First Quarter
WESTERN HEAD	2021-07-22 16:00	21.5	0	33	15	1.55	High	First Quarter
WESTERN HEAD	2021-07-22 17:00	18.8	0	33	15	1.9	High	First Quarter
WESTERN HEAD	2021-07-22 18:00	19.5	0	36	10	2.05	High	First Quarter
WESTERN HEAD	2021-07-22 19:00	19	0	34	6	1.97	High	First Quarter
WESTERN HEAD	2021-07-22 20:00	15.1	0	32	8	1.87	High	First Quarter
WESTERN HEAD	2021-07-22 21:00	13.4	0	29	8	1.5	High	First Quarter
WESTERN HEAD	2021-07-22 22:00	13.7	0	30	10	1.14	Ebb	First Quarter
WESTERN HEAD	2021-07-22 23:00	13.7	0	30	12	0.68	Low	First Quarter
WESTERN HEAD	2021-07-23 0:00	12.1	0	28	9	0.37	Low	First Quarter
WESTERN HEAD	2021-07-23 1:00	11.8	0	25	6	0.13	Low	First Quarter
WESTERN HEAD	2021-07-23 2:00	11.3	0	24	9	0.23	Low	First Quarter
WESTERN HEAD	2021-07-23 3:00	11	0	7	3	0.47	Low	First Quarter
WESTERN HEAD	2021-07-23 4:00	10.1	0	25	5	0.92	Flood	First Quarter
WESTERN HEAD	2021-07-23 5:00	9.5	0	22	5	1.4	High	First Quarter
WESTERN HEAD	2021-07-23 6:00	12.2	0	26	6	1.68	High	First Quarter
WESTERN HEAD	2021-07-23 7:00	14.1	0	22	6	1.87	High	First Quarter
WESTERN HEAD	2021-07-23 8:00	15.5	0	21	7	1.83	High	First Quarter
WESTERN HEAD	2021-07-23 9:00	16.4	0	14	6	1.66	High	First Quarter
WESTERN HEAD	2021-07-23 10:00	17.5	0	16	7	1.37	High	First Quarter
WESTERN HEAD	2021-07-23 11:00	17.9	0	17	9	1.06	Ebb	First Quarter
WESTERN HEAD	2021-07-23 12:00	18.1	0	18	11	0.76	Low	Full Moon
WESTERN HEAD	2021-07-23 13:00	18.2	0	19	11	0.54	Low	Full Moon
WESTERN HEAD	2021-07-23 14:00	17	0	20	20	0.49	Low	Full Moon
WESTERN HEAD	2021-07-23 15:00	16.3	0	20	18	0.64	Low	Full Moon
WESTERN HEAD	2021-07-23 16:00	19.9	0	24	10	1.08	Flood	Full Moon
WESTERN HEAD	2021-07-23 17:00	16.7	0	20	13	1.51	High	Full Moon
WESTERN HEAD	2021-07-23 18:00	16.9	0	27	8	1.88	High	Full Moon
WESTERN HEAD	2021-07-23 19:00	17.2	0.7	29	5	2.01	High	Full Moon
WESTERN HEAD	2021-07-23 20:00	14.8	0	23	10	1.98	High	Full Moon
WESTERN HEAD	2021-07-23 21:00	12.7	0	34	5	1.77	High	Full Moon
WESTERN HEAD	2021-07-23 22:00	13.6	0	29	8	1.4	High	Full Moon
WESTERN HEAD	2021-07-23 23:00	13.1	0	33	4	1.03	Ebb	Full Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-07-24 0:00	14.5	0	32	15	0.57	Low	Full Moon
WESTERN HEAD	2021-07-24 1:00	14.1	0	33	14	0.28	Low	Full Moon
WESTERN HEAD	2021-07-24 2:00	13.5	0	35	10	0.06	Low	Full Moon
WESTERN HEAD	2021-07-24 3:00	12.9	0	35	8	0.09	Low	Full Moon
WESTERN HEAD	2021-07-24 4:00	12.9	0	35	6	0.44	Low	Full Moon
WESTERN HEAD	2021-07-24 5:00	10.7	0	1	3	0.89	Flood	Full Moon
WESTERN HEAD	2021-07-24 6:00	12	0	34	4	1.38	High	Full Moon
WESTERN HEAD	2021-07-24 7:00	15.2	0	36	6	1.73	High	Full Moon
WESTERN HEAD	2021-07-24 8:00	17.7	0	36	6	1.89	High	Full Moon
WESTERN HEAD	2021-07-24 9:00	19.7	0	2	6	1.8	High	Full Moon
WESTERN HEAD	2021-07-24 10:00	19.6	0	5	5	1.58	High	Full Moon
WESTERN HEAD	2021-07-24 11:00	20.9	0	7	8	1.25	Ebb	Full Moon
WESTERN HEAD	2021-07-24 12:00	20.5	0	9	7	0.95	Ebb	Full Moon
WESTERN HEAD	2021-07-24 13:00	21.9	0	9	12	0.72	Low	Full Moon
WESTERN HEAD	2021-07-24 14:00	19.6	0	12	11	0.48	Low	Full Moon
WESTERN HEAD	2021-07-24 15:00	19.9	0	12	10	0.47	Low	Full Moon
WESTERN HEAD	2021-07-24 16:00	19.7	0	17	11	0.62	Low	Full Moon
WESTERN HEAD	2021-07-24 17:00	18.4	0	19	9	1.06	Flood	Full Moon
WESTERN HEAD	2021-07-24 18:00	18.1	0	18	12	1.5	High	Full Moon
WESTERN HEAD	2021-07-24 19:00	17.2	0	17	9	1.88	High	Full Moon
WESTERN HEAD	2021-07-24 20:00	16.3	0	20	11	2.02	High	Full Moon
WESTERN HEAD	2021-07-24 21:00	16	0	22	10	1.94	High	Full Moon
WESTERN HEAD	2021-07-24 22:00	15.7	0	20	9	1.71	High	Full Moon
WESTERN HEAD	2021-07-24 23:00	15.4	0	21	11	1.3	High	Full Moon
WESTERN HEAD	2021-07-25 0:00	15.2	0	21	11	0.9	Ebb	Full Moon
WESTERN HEAD	2021-07-25 1:00	14.9	0	21	10	0.5	Low	Full Moon
WESTERN HEAD	2021-07-25 2:00	13.2	0	24	9	0.21	Low	Full Moon
WESTERN HEAD	2021-07-25 3:00	12.8	0	25	9	0.12	Low	Full Moon
WESTERN HEAD	2021-07-25 4:00	10.8	0	31	5	0.14	Low	Full Moon
WESTERN HEAD	2021-07-25 5:00	10.1	0	1	1	0.53	Low	Full Moon
WESTERN HEAD	2021-07-25 6:00	12.1	0	23	5	0.97	Flood	Full Moon
WESTERN HEAD	2021-07-25 7:00	14.7	0	21	3	1.49	High	Full Moon
WESTERN HEAD	2021-07-25 8:00	16.5	0	22	9	1.8	High	Full Moon
WESTERN HEAD	2021-07-25 9:00	17.7	0	20	11	1.91	High	Full Moon
WESTERN HEAD	2021-07-25 10:00	17.6	0	18	15	1.82	High	Full Moon
WESTERN HEAD	2021-07-25 11:00	17.7	0	19	15	1.56	High	Full Moon
WESTERN HEAD	2021-07-25 12:00	17	0	18	18	1.2	Ebb	Full Moon
WESTERN HEAD	2021-07-25 13:00	16.3	0	21	15	0.91	Ebb	Full Moon
WESTERN HEAD	2021-07-25 14:00	16.9	0	19	11	0.7	Low	Full Moon
WESTERN HEAD	2021-07-25 15:00	17.6	0	20	13	0.51	Low	Full Moon
WESTERN HEAD	2021-07-25 16:00	17.8	0	19	15	0.55	Low	Full Moon
WESTERN HEAD	2021-07-25 17:00	17.3	0	19	20	0.71	Low	Full Moon
WESTERN HEAD	2021-07-25 18:00	16.2	0	19	17	1.14	Flood	Full Moon
WESTERN HEAD	2021-07-25 19:00	15.8	0	19	16	1.52	High	Full Moon
WESTERN HEAD	2021-07-25 20:00	15.6	0	22	11	1.94	High	Full Moon
WESTERN HEAD	2021-07-25 21:00	15.5	0	20	10	2.02	High	Full Moon
WESTERN HEAD	2021-07-25 22:00	16	0	20	11	1.95	High	Full Moon
WESTERN HEAD	2021-07-25 23:00	16	0	20	14	1.62	High	Full Moon
WESTERN HEAD	2021-07-26 0:00	16.4	0	21	10	1.27	Ebb	Full Moon
WESTERN HEAD	2021-07-26 1:00	15.9	0	20	13	0.84	Ebb	Full Moon
WESTERN HEAD	2021-07-26 2:00	15.7	0	20	14	0.56	Low	Full Moon
WESTERN HEAD	2021-07-26 3:00	16.3	0.4	18	20	0.28	Low	Full Moon
WESTERN HEAD	2021-07-26 4:00	16.1	0.3	19	16	0.22	Low	Full Moon
WESTERN HEAD	2021-07-26 5:00	16.5	0.2	19	16	0.3	Low	Full Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-07-26 6:00	16.4	0	19	16	0.67	Low	Full Moon
WESTERN HEAD	2021-07-26 7:00	16.5	0.2	18	15	1.17	Flood	Full Moon
WESTERN HEAD	2021-07-26 8:00	16.9	0	19	13	1.62	High	Full Moon
WESTERN HEAD	2021-07-26 9:00	17.1	0	21	7	1.92	High	Full Moon
WESTERN HEAD	2021-07-26 10:00	17.8	0	19	8	1.99	High	Full Moon
WESTERN HEAD	2021-07-26 11:00	18.6	0	21	6	1.8	High	Full Moon
WESTERN HEAD	2021-07-26 12:00	19.4	0	17	8	1.57	High	Full Moon
WESTERN HEAD	2021-07-26 13:00	20.9	0	19	10	1.17	Ebb	Full Moon
WESTERN HEAD	2021-07-26 14:00	19.2	0	19	13	0.97	Ebb	Full Moon
WESTERN HEAD	2021-07-26 15:00	18.8	0	18	15	0.72	Low	Full Moon
WESTERN HEAD	2021-07-26 16:00	17.9	0	18	16	0.63	Low	Full Moon
WESTERN HEAD	2021-07-26 17:00	17.6	0	19	20	0.58	Low	Full Moon
WESTERN HEAD	2021-07-26 18:00	16.5	0	21	15	0.8	Low	Full Moon
WESTERN HEAD	2021-07-26 19:00	16.1	0	21	17	1.22	Flood	Full Moon
WESTERN HEAD	2021-07-26 20:00	16	0	21	17	1.6	High	Full Moon
WESTERN HEAD	2021-07-26 21:00	15.7	0	21	15	1.91	High	Full Moon
WESTERN HEAD	2021-07-26 22:00	15.9	0	24	9	1.99	High	Full Moon
WESTERN HEAD	2021-07-26 23:00	15.7	0	22	13	1.82	High	Full Moon
WESTERN HEAD	2021-07-27 0:00	16.9	0	23	15	1.54	High	Full Moon
WESTERN HEAD	2021-07-27 1:00	17.8	0	26	14	1.15	Ebb	Full Moon
WESTERN HEAD	2021-07-27 2:00	16.6	0	26	7	0.79	Low	Full Moon
WESTERN HEAD	2021-07-27 3:00	17.4	0	30	16	0.51	Low	Full Moon
WESTERN HEAD	2021-07-27 4:00	15.8	0	20	9	0.32	Low	Full Moon
WESTERN HEAD	2021-07-27 5:00	14.7	0	20	9	0.26	Low	Full Moon
WESTERN HEAD	2021-07-27 6:00	15	0	22	8	0.41	Low	Full Moon
WESTERN HEAD	2021-07-27 7:00	15.1	0	20	10	0.82	Flood	Full Moon
WESTERN HEAD	2021-07-27 8:00	15.1	0	20	15	1.28	Flood	Full Moon
WESTERN HEAD	2021-07-27 9:00					1.7	High	Full Moon
WESTERN HEAD	2021-07-27 10:00					1.94	High	Full Moon
WESTERN HEAD	2021-07-27 11:00					1.91	High	Full Moon
WESTERN HEAD	2021-07-27 12:00					1.76	High	Full Moon
WESTERN HEAD	2021-07-27 13:00					1.44	High	Full Moon
WESTERN HEAD	2021-07-27 14:00					1.16	Ebb	Full Moon
WESTERN HEAD	2021-07-27 15:00	17.8	0	22	15	0.84	Ebb	Full Moon
WESTERN HEAD	2021-07-27 16:00	17.8	0	24	10	0.76	Low	Full Moon
WESTERN HEAD	2021-07-27 17:00	16.9	0	23	11	0.59	Low	Full Moon
WESTERN HEAD	2021-07-27 18:00	16.1	0	21	17	0.68	Low	Full Moon
WESTERN HEAD	2021-07-27 19:00	15.2	0	22	11	0.82	Flood	Full Moon
WESTERN HEAD	2021-07-27 20:00	14.4	0	23	10	1.26	Flood	Full Moon
WESTERN HEAD	2021-07-27 21:00	13.7	0	22	9	1.59	High	Full Moon
WESTERN HEAD	2021-07-27 22:00	14.9	0	26	5	1.9	High	Full Moon
WESTERN HEAD	2021-07-27 23:00	15.2	0	25	8	1.87	High	Full Moon
WESTERN HEAD	2021-07-28 0:00	15.4	0	27	7	1.72	High	Full Moon
WESTERN HEAD	2021-07-28 1:00	15.7	0	24	11	1.36	High	Full Moon
WESTERN HEAD	2021-07-28 2:00	14.8	0	22	4	1.02	Ebb	Full Moon
WESTERN HEAD	2021-07-28 3:00	15.1	0	24	8	0.73	Low	Full Moon
WESTERN HEAD	2021-07-28 4:00	16.9	0	32	12	0.5	Low	Full Moon
WESTERN HEAD	2021-07-28 5:00	16.7	0	32	15	0.31	Low	Full Moon
WESTERN HEAD	2021-07-28 6:00	16.6	0	33	11	0.36	Low	Full Moon
WESTERN HEAD	2021-07-28 7:00	16.8	0.2	33	7	0.54	Low	Full Moon
WESTERN HEAD	2021-07-28 8:00	17.3	0	33	10	0.93	Flood	Full Moon
WESTERN HEAD	2021-07-28 9:00	16.8	0	33	11	1.35	High	Full Moon
WESTERN HEAD	2021-07-28 10:00	17.3	0	33	13	1.76	High	Full Moon
WESTERN HEAD	2021-07-28 11:00	17.5	0	32	6	1.86	High	Full Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-07-28 12:00	17.7	0	19	9	1.88	High	Full Moon
WESTERN HEAD	2021-07-28 13:00	18.8	0	17	10	1.58	High	Full Moon
WESTERN HEAD	2021-07-28 14:00	18	0	20	7	1.31	High	Full Moon
WESTERN HEAD	2021-07-28 15:00	16.7	0	21	13	1.03	Ebb	Full Moon
WESTERN HEAD	2021-07-28 16:00	16.8	0	21	11	0.85	Ebb	Full Moon
WESTERN HEAD	2021-07-28 17:00	18.6	0	24	6	0.7	Low	Full Moon
WESTERN HEAD	2021-07-28 18:00	21.7	0	31	9	0.61	Low	Full Moon
WESTERN HEAD	2021-07-28 19:00	19.2	0	30	6	0.65	Low	Full Moon
WESTERN HEAD	2021-07-28 20:00	16.2	0	30	12	0.91	Flood	Full Moon
WESTERN HEAD	2021-07-28 21:00	15.2	0	31	12	1.3	High	Full Moon
WESTERN HEAD	2021-07-28 22:00	14.9	0	30	14	1.58	High	Full Moon
WESTERN HEAD	2021-07-28 23:00	14.5	0	30	16	1.82	High	Full Moon
WESTERN HEAD	2021-07-29 0:00	13.9	0	30	16	1.73	High	Full Moon
WESTERN HEAD	2021-07-29 1:00	13.8	0	30	17	1.57	High	Full Moon
WESTERN HEAD	2021-07-29 2:00	13.3	0	30	17	1.25	Ebb	Full Moon
WESTERN HEAD	2021-07-29 3:00	13.1	0	31	18	0.95	Ebb	Full Moon
WESTERN HEAD	2021-07-29 4:00	12.4	0	31	17	0.71	Low	Full Moon
WESTERN HEAD	2021-07-29 5:00	12.6	0	31	17	0.53	Low	Full Moon
WESTERN HEAD	2021-07-29 6:00	13.3	0	31	16	0.43	Low	Full Moon
WESTERN HEAD	2021-07-29 7:00	15.9	0	31	14	0.5	Low	Full Moon
WESTERN HEAD	2021-07-29 8:00	19.1	0	31	9	0.7	Low	Full Moon
WESTERN HEAD	2021-07-29 9:00	17.9	0	18	5	1.07	Flood	Full Moon
WESTERN HEAD	2021-07-29 10:00	19.4	0	15	5	1.43	High	Full Moon
WESTERN HEAD	2021-07-29 11:00	18.9	0	16	9	1.74	High	Full Moon
WESTERN HEAD	2021-07-29 12:00	19.2	0	18	16	1.86	High	Full Moon
WESTERN HEAD	2021-07-29 13:00	19.4	0	18	22	1.71	High	Full Moon
WESTERN HEAD	2021-07-29 14:00	18.7	0	19	25	1.52	High	Full Moon
WESTERN HEAD	2021-07-29 15:00	18.1	0	19	23	1.19	Ebb	Full Moon
WESTERN HEAD	2021-07-29 16:00	17.6	0	21	29	0.97	Ebb	Full Moon
WESTERN HEAD	2021-07-29 17:00	16.5	0	20	29	0.83	Ebb	Full Moon
WESTERN HEAD	2021-07-29 18:00	15.7	0	21	28	0.67	Low	Full Moon
WESTERN HEAD	2021-07-29 19:00	14.5	0	21	20	0.64	Low	Full Moon
WESTERN HEAD	2021-07-29 20:00	14.2	0	21	14	0.72	Low	Full Moon
WESTERN HEAD	2021-07-29 21:00	14.1	0	22	11	0.97	Flood	Full Moon
WESTERN HEAD	2021-07-29 22:00	14.1	0	23	11	1.27	Flood	Full Moon
WESTERN HEAD	2021-07-29 23:00	13.8	0	20	7	1.61	High	Full Moon
WESTERN HEAD	2021-07-30 0:00	13.8	0	21	8	1.64	High	Full Moon
WESTERN HEAD	2021-07-30 1:00	13.6	0	22	7	1.68	High	Full Moon
WESTERN HEAD	2021-07-30 2:00	14.3	0	18	5	1.39	High	Full Moon
WESTERN HEAD	2021-07-30 3:00	14.1	0	20	8	1.18	Ebb	Full Moon
WESTERN HEAD	2021-07-30 4:00	14.8	0	16	19	0.92	Ebb	Full Moon
WESTERN HEAD	2021-07-30 5:00	15.2	0	14	23	0.72	Low	Full Moon
WESTERN HEAD	2021-07-30 6:00	15.3	0	13	17	0.69	Low	Full Moon
WESTERN HEAD	2021-07-30 7:00	15.4	0.3	13	24	0.56	Low	Full Moon
WESTERN HEAD	2021-07-30 8:00	15.6	3.1	12	21	0.71	Low	Full Moon
WESTERN HEAD	2021-07-30 9:00	15.7	9.7	9	19	0.9	Flood	Full Moon
WESTERN HEAD	2021-07-30 10:00	15.8	0.3	15	16	1.34	High	Full Moon
WESTERN HEAD	2021-07-30 11:00	16.1	2.7	19	14	1.59	High	Full Moon
WESTERN HEAD	2021-07-30 12:00	15.8	3.4	15	19	1.97	High	Full Moon
WESTERN HEAD	2021-07-30 13:00	16.4	0.3	17	20	1.83	High	Full Moon
WESTERN HEAD	2021-07-30 14:00	15.7	0.5	21	18	1.79	High	Full Moon
WESTERN HEAD	2021-07-30 15:00	15.9	0.2	20	17	1.52	High	Full Moon
WESTERN HEAD	2021-07-30 16:00	15.1	0	21	21	1.32	High	Full Moon
WESTERN HEAD	2021-07-30 17:00	16.9	0	23	12	1.12	Ebb	Full Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-07-30 18:00	19.1	0	29	18	0.99	Ebb	Full Moon
WESTERN HEAD	2021-07-30 19:00	17.2	0	31	21	0.81	Ebb	Full Moon
WESTERN HEAD	2021-07-30 20:00	16.5	0	29	9	0.78	Low	Full Moon
WESTERN HEAD	2021-07-30 21:00	15.7	0	27	14	0.83	Flood	Full Moon
WESTERN HEAD	2021-07-30 22:00	15.6	0	27	17	1.12	Flood	Full Moon
WESTERN HEAD	2021-07-30 23:00	13.7	0	24	7	1.35	High	Full Moon
WESTERN HEAD	2021-07-31 0:00	13.3	0	19	14	1.59	High	Full Moon
WESTERN HEAD	2021-07-31 1:00	13.1	0	24	12	1.71	High	Full Moon
WESTERN HEAD	2021-07-31 2:00	13.2	0	22	8	1.51	High	Full Moon
WESTERN HEAD	2021-07-31 3:00	13.4	0	26	9	1.41	High	Full Moon
WESTERN HEAD	2021-07-31 4:00	13.6	0	29	16	1.15	Ebb	Full Moon
WESTERN HEAD	2021-07-31 5:00	13.1	0	29	15	1	Ebb	Full Moon
WESTERN HEAD	2021-07-31 6:00	13.3	0	26	14	0.81	Ebb	Full Moon
WESTERN HEAD	2021-07-31 7:00	13.6	0	27	19	0.73	Low	Full Moon
WESTERN HEAD	2021-07-31 8:00	15.5	0	27	19	0.77	Low	Full Moon
WESTERN HEAD	2021-07-31 9:00	16.9	0	26	20	0.8	Low	Full Moon
WESTERN HEAD	2021-07-31 10:00	18.1	0	25	25	1.08	Flood	Last Quarter
WESTERN HEAD	2021-07-31 11:00	19.6	0	26	20	1.35	High	Last Quarter
WESTERN HEAD	2021-07-31 12:00	20.5	0	25	18	1.62	High	Last Quarter
WESTERN HEAD	2021-07-31 13:00	21.6	0	24	17	1.8	High	Last Quarter
WESTERN HEAD	2021-07-31 14:00	21.8	0	24	21	1.71	High	Last Quarter
WESTERN HEAD	2021-07-31 15:00	22.2	0	24	18	1.61	High	Last Quarter
WESTERN HEAD	2021-07-31 16:00	21.7	0	25	22	1.3	High	Last Quarter
WESTERN HEAD	2021-07-31 17:00	19.8	0	24	23	1.17	Ebb	Last Quarter
WESTERN HEAD	2021-07-31 18:00	18.6	0	25	20	0.84	Ebb	Last Quarter
WESTERN HEAD	2021-07-31 19:00	17	0	26	14	0.81	Ebb	Last Quarter
WESTERN HEAD	2021-07-31 20:00	13.7	0	24	11	0.59	Low	Last Quarter
WESTERN HEAD	2021-07-31 21:00	11.8	0	23	9	0.63	Low	Last Quarter
WESTERN HEAD	2021-07-31 22:00	11.7	0	22	9	0.74	Low	Last Quarter
WESTERN HEAD	2021-07-31 23:00	11.2	0	21	12	0.99	Flood	Last Quarter
WESTERN HEAD	2021-08-01 0:00	10.3	0	24	10	1.23	Flood	Last Quarter
WESTERN HEAD	2021-08-01 1:00	10.5	0	24	11	1.42	High	Last Quarter
WESTERN HEAD	2021-08-01 2:00	11	0	22	10	1.54	High	Last Quarter
WESTERN HEAD	2021-08-01 3:00	11.4	0	20	13	1.41	High	Last Quarter
WESTERN HEAD	2021-08-01 4:00	11.2	0	22	16	1.35	High	Last Quarter
WESTERN HEAD	2021-08-01 5:00	10.8	0	23	14	1.06	Ebb	Last Quarter
WESTERN HEAD	2021-08-01 6:00	11.5	0	23	12	0.99	Ebb	Last Quarter
WESTERN HEAD	2021-08-01 7:00	13	0	23	12	0.82	Ebb	Last Quarter
WESTERN HEAD	2021-08-01 8:00	15.1	0	24	15	0.77	Low	Last Quarter
WESTERN HEAD	2021-08-01 9:00	15.3	0	19	14	0.78	Low	Last Quarter
WESTERN HEAD	2021-08-01 10:00	15.2	0	20	11	0.86	Flood	Last Quarter
WESTERN HEAD	2021-08-01 11:00	15.9	0	19	16	1.1	Flood	Last Quarter
WESTERN HEAD	2021-08-01 12:00	16.7	0	19	16	1.36	High	Last Quarter
WESTERN HEAD	2021-08-01 13:00	16.6	0	19	20	1.6	High	Last Quarter
WESTERN HEAD	2021-08-01 14:00	16.3	0	19	20	1.67	High	Last Quarter
WESTERN HEAD	2021-08-01 15:00	16.1	0	19	20	1.64	High	Last Quarter
WESTERN HEAD	2021-08-01 16:00	16	0	22	16	1.5	High	Last Quarter
WESTERN HEAD	2021-08-01 17:00	14.9	0	23	19	1.28	Ebb	Last Quarter
WESTERN HEAD	2021-08-01 18:00	12.8	0	22	20	1.1	Ebb	Last Quarter
WESTERN HEAD	2021-08-01 19:00	12.5	0	20	18	0.88	Ebb	Last Quarter
WESTERN HEAD	2021-08-01 20:00	11.6	0	23	11	0.78	Low	Last Quarter
WESTERN HEAD	2021-08-01 21:00	11.3	0	23	11	0.65	Low	Last Quarter
WESTERN HEAD	2021-08-01 22:00	11	0	24	8	0.63	Low	Last Quarter
WESTERN HEAD	2021-08-01 23:00	10.8	0	22	8	0.81	Flood	Last Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-08-02 0:00	10	0	25	5	1.02	Flood	Last Quarter
WESTERN HEAD	2021-08-02 1:00	10.6	0	33	3	1.27	Flood	Last Quarter
WESTERN HEAD	2021-08-02 2:00	9.1	0	23	6	1.45	High	Last Quarter
WESTERN HEAD	2021-08-02 3:00	8.3	0	3	4	1.46	High	Last Quarter
WESTERN HEAD	2021-08-02 4:00	11.4	0	27	5	1.38	High	Last Quarter
WESTERN HEAD	2021-08-02 5:00	11.7	0	2	8	1.3	High	Last Quarter
WESTERN HEAD	2021-08-02 6:00	12.2	0	1	9	1.12	Ebb	Last Quarter
WESTERN HEAD	2021-08-02 7:00	13	0	1	10	1.02	Ebb	Last Quarter
WESTERN HEAD	2021-08-02 8:00	13.8	0	1	9	0.85	Ebb	Last Quarter
WESTERN HEAD	2021-08-02 9:00	13.5	0	2	10	0.83	Ebb	Last Quarter
WESTERN HEAD	2021-08-02 10:00	13.9	0.2	3	10	0.84	Flood	Last Quarter
WESTERN HEAD	2021-08-02 11:00	14.6	0.6	36	10	0.97	Flood	Last Quarter
WESTERN HEAD	2021-08-02 12:00	15.6	1.9	35	14	1.19	Flood	Last Quarter
WESTERN HEAD	2021-08-02 13:00	15	6.1	34	19	1.45	High	Last Quarter
WESTERN HEAD	2021-08-02 14:00	15.1	4	33	23	1.63	High	Last Quarter
WESTERN HEAD	2021-08-02 15:00	17.5	0	1	10	1.67	High	Last Quarter
WESTERN HEAD	2021-08-02 16:00	18.6	0	9	5	1.57	High	Last Quarter
WESTERN HEAD	2021-08-02 17:00	16.1	0	23	4	1.52	High	Last Quarter
WESTERN HEAD	2021-08-02 18:00	15.7	0	22	5	1.27	Ebb	Last Quarter
WESTERN HEAD	2021-08-02 19:00	17.6	0	29	14	1.08	Ebb	Last Quarter
WESTERN HEAD	2021-08-02 20:00	15.7	0	30	13	0.83	Ebb	Last Quarter
WESTERN HEAD	2021-08-02 21:00	12.7	0	26	4	0.65	Low	Last Quarter
WESTERN HEAD	2021-08-02 22:00	11.6	0	23	4	0.53	Low	Last Quarter
WESTERN HEAD	2021-08-02 23:00	11.8	0	24	7	0.56	Low	Last Quarter
WESTERN HEAD	2021-08-03 0:00	11.9	0	24	9	0.71	Low	Last Quarter
WESTERN HEAD	2021-08-03 1:00	12.7	0	29	14	1	Flood	Last Quarter
WESTERN HEAD	2021-08-03 2:00	11.8	0	25	10	1.16	Flood	Last Quarter
WESTERN HEAD	2021-08-03 3:00	12.2	0	24	11	1.38	High	Last Quarter
WESTERN HEAD	2021-08-03 4:00	12.5	0	23	12	1.43	High	Last Quarter
WESTERN HEAD	2021-08-03 5:00	12.4	0	25	10	1.29	Ebb	Last Quarter
WESTERN HEAD	2021-08-03 6:00	12.1	0	25	6	1.25	Ebb	Last Quarter
WESTERN HEAD	2021-08-03 7:00	14.4	0	23	7	1.05	Ebb	Last Quarter
WESTERN HEAD	2021-08-03 8:00	15.5	0	23	9	0.96	Ebb	Last Quarter
WESTERN HEAD	2021-08-03 9:00	17.6	0	23	9	0.8	Low	Last Quarter
WESTERN HEAD	2021-08-03 10:00	16.7	0	19	14	0.82	Flood	Last Quarter
WESTERN HEAD	2021-08-03 11:00	16.5	0	20	19	0.76	Low	Last Quarter
WESTERN HEAD	2021-08-03 12:00	17.8	0	20	24	0.92	Flood	Last Quarter
WESTERN HEAD	2021-08-03 13:00	17.1	0	20	26	1.11	Flood	Last Quarter
WESTERN HEAD	2021-08-03 14:00	15.8	0	20	25	1.35	High	Last Quarter
WESTERN HEAD	2021-08-03 15:00	16.3	0	20	31	1.55	High	Last Quarter
WESTERN HEAD	2021-08-03 16:00	16.8	0	21	24	1.55	High	Last Quarter
WESTERN HEAD	2021-08-03 17:00	16	0	24	11	1.52	High	Last Quarter
WESTERN HEAD	2021-08-03 18:00	14.5	0	21	15	1.35	High	Last Quarter
WESTERN HEAD	2021-08-03 19:00	13.4	0	24	8	1.19	Ebb	Last Quarter
WESTERN HEAD	2021-08-03 20:00	13.4	0	21	19	0.89	Ebb	Last Quarter
WESTERN HEAD	2021-08-03 21:00	13.7	0	23	10	0.7	Low	Last Quarter
WESTERN HEAD	2021-08-03 22:00	13.3	0	24	7	0.5	Low	Last Quarter
WESTERN HEAD	2021-08-03 23:00	14	0	24	9	0.44	Low	Last Quarter
WESTERN HEAD	2021-08-04 0:00	13.1	0	21	12	0.51	Low	Last Quarter
WESTERN HEAD	2021-08-04 1:00	13	0	22	7	0.66	Low	Last Quarter
WESTERN HEAD	2021-08-04 2:00	14	0	24	9	0.98	Flood	Last Quarter
WESTERN HEAD	2021-08-04 3:00	13.4	0	23	6	1.21	Flood	Last Quarter
WESTERN HEAD	2021-08-04 4:00	13.9	0	23	8	1.38	High	Last Quarter
WESTERN HEAD	2021-08-04 5:00	14.1	0	25	8	1.43	High	Last Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-08-04 6:00	14	0	25	5	1.37	High	Last Quarter
WESTERN HEAD	2021-08-04 7:00	15.1	0	22	5	1.27	Ebb	Last Quarter
WESTERN HEAD	2021-08-04 8:00	18.3	0	25	3	1.18	Ebb	Last Quarter
WESTERN HEAD	2021-08-04 9:00	17.9	0	24	10	0.95	Ebb	Last Quarter
WESTERN HEAD	2021-08-04 10:00	18.5	0	23	10	0.87	Ebb	Last Quarter
WESTERN HEAD	2021-08-04 11:00	18.4	0	22	10	0.73	Low	Last Quarter
WESTERN HEAD	2021-08-04 12:00	19.1	0	20	13	0.8	Low	Last Quarter
WESTERN HEAD	2021-08-04 13:00	18.5	0	18	16	0.89	Flood	Last Quarter
WESTERN HEAD	2021-08-04 14:00	17.5	0	19	12	1.2	Flood	Last Quarter
WESTERN HEAD	2021-08-04 15:00	17.3	0	22	14	1.32	High	Last Quarter
WESTERN HEAD	2021-08-04 16:00	16.2	0	20	18	1.53	High	Last Quarter
WESTERN HEAD	2021-08-04 17:00	15.9	0	21	16	1.58	High	Last Quarter
WESTERN HEAD	2021-08-04 18:00	15.3	0	22	10	1.48	High	Last Quarter
WESTERN HEAD	2021-08-04 19:00	14.8	0	23	10	1.4	High	Last Quarter
WESTERN HEAD	2021-08-04 20:00	14.8	0	24	9	1.08	Ebb	Last Quarter
WESTERN HEAD	2021-08-04 21:00	14.4	0	23	9	0.89	Ebb	Last Quarter
WESTERN HEAD	2021-08-04 22:00	14.1	0	21	7	0.57	Low	Last Quarter
WESTERN HEAD	2021-08-04 23:00	14.3	0	23	9	0.44	Low	Last Quarter
WESTERN HEAD	2021-08-05 0:00	14.8	0	23	3	0.4	Low	Last Quarter
WESTERN HEAD	2021-08-05 1:00	14.8	0	22	2	0.44	Low	Last Quarter
WESTERN HEAD	2021-08-05 2:00	14.5	0	6	3	0.75	Low	Last Quarter
WESTERN HEAD	2021-08-05 3:00	14.9	0	7	7	0.93	Flood	Last Quarter
WESTERN HEAD	2021-08-05 4:00	15.1	2.4	10	11	1.27	Flood	Last Quarter
WESTERN HEAD	2021-08-05 5:00	15.3	4.2	5	10	1.32	High	Last Quarter
WESTERN HEAD	2021-08-05 6:00	15.3	22	5	10	1.49	High	Last Quarter
WESTERN HEAD	2021-08-05 7:00	14.9	2.1	4	8	1.38	High	Last Quarter
WESTERN HEAD	2021-08-05 8:00	14.8	2.8	1	9	1.33	High	Last Quarter
WESTERN HEAD	2021-08-05 9:00	15.9	1.3	2	10	1.08	Ebb	Last Quarter
WESTERN HEAD	2021-08-05 10:00	18.5	0.2	21	4	0.94	Ebb	Last Quarter
WESTERN HEAD	2021-08-05 11:00	17.6	0	22	17	0.77	Low	Last Quarter
WESTERN HEAD	2021-08-05 12:00	19.1	0	21	25	0.76	Low	Last Quarter
WESTERN HEAD	2021-08-05 13:00	20.3	0	20	28	0.76	Low	Last Quarter
WESTERN HEAD	2021-08-05 14:00	19.5	0	20	28	0.97	Flood	Last Quarter
WESTERN HEAD	2021-08-05 15:00	18.8	0	19	26	1.21	Flood	Last Quarter
WESTERN HEAD	2021-08-05 16:00	18.6	0	19	28	1.41	High	Last Quarter
WESTERN HEAD	2021-08-05 17:00	16.4	0	20	13	1.66	High	Last Quarter
WESTERN HEAD	2021-08-05 18:00	16.6	0	20	10	1.62	High	Last Quarter
WESTERN HEAD	2021-08-05 19:00	17.6	0	24	14	1.59	High	Last Quarter
WESTERN HEAD	2021-08-05 20:00	16.5	0	23	13	1.35	High	Last Quarter
WESTERN HEAD	2021-08-05 21:00	17.4	0	21	19	1.11	Ebb	Last Quarter
WESTERN HEAD	2021-08-05 22:00	16.6	0.3	22	14	0.81	Ebb	Last Quarter
WESTERN HEAD	2021-08-05 23:00	15.9	0	21	13	0.56	Low	Last Quarter
WESTERN HEAD	2021-08-06 0:00	15.7	0.6	21	15	0.4	Low	Last Quarter
WESTERN HEAD	2021-08-06 1:00	17.3	0.2	23	14	0.36	Low	Last Quarter
WESTERN HEAD	2021-08-06 2:00	16.9	2.1	20	21	0.49	Low	Last Quarter
WESTERN HEAD	2021-08-06 3:00	16.6	0	23	18	0.75	Low	Last Quarter
WESTERN HEAD	2021-08-06 4:00	15.7	0	22	19	1.07	Flood	Last Quarter
WESTERN HEAD	2021-08-06 5:00	15.9	0	23	16	1.33	High	Last Quarter
WESTERN HEAD	2021-08-06 6:00	16.7	0	23	19	1.49	High	Last Quarter
WESTERN HEAD	2021-08-06 7:00	16.9	0.2	22	18	1.57	High	Last Quarter
WESTERN HEAD	2021-08-06 8:00	17.3	0.3	23	16	1.4	High	Last Quarter
WESTERN HEAD	2021-08-06 9:00	15.9	0	22	16	1.27	Ebb	Last Quarter
WESTERN HEAD	2021-08-06 10:00	15.8	0.3	22	14	1.05	Ebb	Last Quarter
WESTERN HEAD	2021-08-06 11:00	16.6	0	21	21	0.81	Ebb	Last Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-08-06 12:00	16.2	0	19	26	0.73	Low	Last Quarter
WESTERN HEAD	2021-08-06 13:00	16.8	0	19	21	0.61	Low	Last Quarter
WESTERN HEAD	2021-08-06 14:00	17.1	0	19	26	0.8	Low	Last Quarter
WESTERN HEAD	2021-08-06 15:00	15.3	0	20	26	0.92	Flood	Last Quarter
WESTERN HEAD	2021-08-06 16:00	16.3	0	18	27	1.3	High	Last Quarter
WESTERN HEAD	2021-08-06 17:00	15.2	0	20	23	1.51	High	Last Quarter
WESTERN HEAD	2021-08-06 18:00	14.2	0	21	17	1.71	High	Last Quarter
WESTERN HEAD	2021-08-06 19:00	13.8	0	21	20	1.72	High	Last Quarter
WESTERN HEAD	2021-08-06 20:00	13.7	0	27	3	1.61	High	Last Quarter
WESTERN HEAD	2021-08-06 21:00	13.3	0	22	11	1.32	High	Last Quarter
WESTERN HEAD	2021-08-06 22:00	13.3	0	20	18	1.04	Ebb	Last Quarter
WESTERN HEAD	2021-08-06 23:00	14.2	0	25	12	0.72	Low	Last Quarter
WESTERN HEAD	2021-08-07 0:00	13.2	0	24	15	0.5	Low	Last Quarter
WESTERN HEAD	2021-08-07 1:00	14.1	0	22	16	0.31	Low	Last Quarter
WESTERN HEAD	2021-08-07 2:00	14.2	0	23	11	0.37	Low	Last Quarter
WESTERN HEAD	2021-08-07 3:00	14.7	0	22	14	0.46	Low	Last Quarter
WESTERN HEAD	2021-08-07 4:00	14.5	0	21	13	0.87	Flood	Last Quarter
WESTERN HEAD	2021-08-07 5:00	13.7	0	24	7	1.15	Flood	Last Quarter
WESTERN HEAD	2021-08-07 6:00	13.5	0	24	6	1.46	High	Last Quarter
WESTERN HEAD	2021-08-07 7:00	13.3	0	20	8	1.59	High	Last Quarter
WESTERN HEAD	2021-08-07 8:00	14.1	0	22	11	1.59	High	Last Quarter
WESTERN HEAD	2021-08-07 9:00	14.6	0	21	12	1.43	High	Last Quarter
WESTERN HEAD	2021-08-07 10:00	14.8	0	20	14	1.26	Ebb	Last Quarter
WESTERN HEAD	2021-08-07 11:00	17.5	0	20	13	0.97	Ebb	Last Quarter
WESTERN HEAD	2021-08-07 12:00	18.4	0	19	8	0.77	Low	Last Quarter
WESTERN HEAD	2021-08-07 13:00	18.5	0	19	13	0.67	Low	Last Quarter
WESTERN HEAD	2021-08-07 14:00	18.2	0	17	22	0.62	Low	Last Quarter
WESTERN HEAD	2021-08-07 15:00	18.6	0	24	12	0.8	Low	Last Quarter
WESTERN HEAD	2021-08-07 16:00	17.1	0	21	18	1.1	Flood	Last Quarter
WESTERN HEAD	2021-08-07 17:00	16.9	0	20	24	1.42	High	Last Quarter
WESTERN HEAD	2021-08-07 18:00	15.3	0	23	12	1.67	High	Last Quarter
WESTERN HEAD	2021-08-07 19:00	14.6	0	25	12	1.83	High	Last Quarter
WESTERN HEAD	2021-08-07 20:00	13.2	0	19	17	1.77	High	Last Quarter
WESTERN HEAD	2021-08-07 21:00	13.9	0	24	14	1.62	High	Last Quarter
WESTERN HEAD	2021-08-07 22:00	13.2	0	23	10	1.27	Ebb	Last Quarter
WESTERN HEAD	2021-08-07 23:00	13.6	0	23	9	0.98	Ebb	Last Quarter
WESTERN HEAD	2021-08-08 0:00	13.4	0	23	9	0.58	Low	Last Quarter
WESTERN HEAD	2021-08-08 1:00	13	0	21	8	0.44	Low	Last Quarter
WESTERN HEAD	2021-08-08 2:00	14.2	0	24	10	0.28	Low	Last Quarter
WESTERN HEAD	2021-08-08 3:00	13.9	0	22	5	0.4	Low	Last Quarter
WESTERN HEAD	2021-08-08 4:00	13.7	0	23	9	0.65	Low	Last Quarter
WESTERN HEAD	2021-08-08 5:00	12.5	0	18	3	1.04	Flood	Last Quarter
WESTERN HEAD	2021-08-08 6:00	13.5	0	23	10	1.39	High	Last Quarter
WESTERN HEAD	2021-08-08 7:00	13.2	0	22	12	1.67	High	Last Quarter
WESTERN HEAD	2021-08-08 8:00	15.7	0	24	5	1.76	High	Last Quarter
WESTERN HEAD	2021-08-08 9:00	17	0	22	4	1.68	High	Last Quarter
WESTERN HEAD	2021-08-08 10:00	17.3	0	18	7	1.51	High	Last Quarter
WESTERN HEAD	2021-08-08 11:00	17.8	0	23	5	1.18	Ebb	New Moon
WESTERN HEAD	2021-08-08 12:00	17.8	0	23	7	0.97	Ebb	New Moon
WESTERN HEAD	2021-08-08 13:00	22.9	0	8	5	0.73	Low	New Moon
WESTERN HEAD	2021-08-08 14:00	19.9	0	12	2	0.65	Low	New Moon
WESTERN HEAD	2021-08-08 15:00	19.1	0	2	5	0.66	Low	New Moon
WESTERN HEAD	2021-08-08 16:00	17.9	9.8	2	5	0.86	Flood	New Moon
WESTERN HEAD	2021-08-08 17:00	18.2	7	2	7	1.17	Flood	New Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-08-08 18:00	19.2	2	1	3	1.53	High	New Moon
WESTERN HEAD	2021-08-08 19:00	19.1	0	1	6	1.81	High	New Moon
WESTERN HEAD	2021-08-08 20:00	18.5	0	1	6	1.85	High	New Moon
WESTERN HEAD	2021-08-08 21:00	18.5	0	1	6	1.78	High	New Moon
WESTERN HEAD	2021-08-08 22:00	18	0	2	5	1.47	High	New Moon
WESTERN HEAD	2021-08-08 23:00	17	0	1	5	1.2	Ebb	New Moon
WESTERN HEAD	2021-08-09 0:00	16.3	0	3	6	0.8	Low	New Moon
WESTERN HEAD	2021-08-09 1:00	15.4	0	2	6	0.52	Low	New Moon
WESTERN HEAD	2021-08-09 2:00	15.2	0	2	9	0.29	Low	New Moon
WESTERN HEAD	2021-08-09 3:00	15.3	0	3	9	0.23	Low	New Moon
WESTERN HEAD	2021-08-09 4:00	14.7	0	2	6	0.42	Low	New Moon
WESTERN HEAD	2021-08-09 5:00	15.1	0	2	8	0.71	Low	New Moon
WESTERN HEAD	2021-08-09 6:00	15	0	3	6	1.18	Flood	New Moon
WESTERN HEAD	2021-08-09 7:00	15.3	0	1	7	1.44	High	New Moon
WESTERN HEAD	2021-08-09 8:00	15.8	0	3	8	1.7	High	New Moon
WESTERN HEAD	2021-08-09 9:00	17.4	0	4	9	1.75	High	New Moon
WESTERN HEAD	2021-08-09 10:00	17.2	0	3	7	1.63	High	New Moon
WESTERN HEAD	2021-08-09 11:00	17	0	4	9	1.36	High	New Moon
WESTERN HEAD	2021-08-09 12:00	16.8	0	4	10	1.07	Ebb	New Moon
WESTERN HEAD	2021-08-09 13:00	16.5	0	4	8	0.77	Low	New Moon
WESTERN HEAD	2021-08-09 14:00	16.7	0	3	8	0.59	Low	New Moon
WESTERN HEAD	2021-08-09 15:00	16.4	0	3	7	0.54	Low	New Moon
WESTERN HEAD	2021-08-09 16:00	16.3	0	2	6	0.61	Low	New Moon
WESTERN HEAD	2021-08-09 17:00	16.4	0	2	7	0.92	Flood	New Moon
WESTERN HEAD	2021-08-09 18:00	16.2	0	3	7	1.23	Flood	New Moon
WESTERN HEAD	2021-08-09 19:00	15.9	0	3	8	1.59	High	New Moon
WESTERN HEAD	2021-08-09 20:00	15.4	0	1	6	1.79	High	New Moon
WESTERN HEAD	2021-08-09 21:00	15.9	0	2	7	1.86	High	New Moon
WESTERN HEAD	2021-08-09 22:00	15.9	0	1	7	1.67	High	New Moon
WESTERN HEAD	2021-08-09 23:00	16.2	0	1	6	1.43	High	New Moon
WESTERN HEAD	2021-08-10 0:00	16	0	1	6	1	Ebb	New Moon
WESTERN HEAD	2021-08-10 1:00	16.2	0	1	6	0.64	Low	New Moon
WESTERN HEAD	2021-08-10 2:00	16.2	0	2	6	0.36	Low	New Moon
WESTERN HEAD	2021-08-10 3:00	16.1	0	2	6	0.17	Low	New Moon
WESTERN HEAD	2021-08-10 4:00	16.3	0	1	5	0.25	Low	New Moon
WESTERN HEAD	2021-08-10 5:00	15.8	0	1	5	0.43	Low	New Moon
WESTERN HEAD	2021-08-10 6:00	15.9	0	1	6	0.84	Flood	New Moon
WESTERN HEAD	2021-08-10 7:00	16.3	0	1	6	1.25	Flood	New Moon
WESTERN HEAD	2021-08-10 8:00	16.9	0.2	1	6	1.6	High	New Moon
WESTERN HEAD	2021-08-10 9:00	17.4	0	2	6	1.74	High	New Moon
WESTERN HEAD	2021-08-10 10:00	17.7	0	1	6	1.78	High	New Moon
WESTERN HEAD	2021-08-10 11:00	19.6	0	3	5	1.52	High	New Moon
WESTERN HEAD	2021-08-10 12:00	20.5	0	4	6	1.24	Ebb	New Moon
WESTERN HEAD	2021-08-10 13:00	20.6	0	3	8	0.92	Ebb	New Moon
WESTERN HEAD	2021-08-10 14:00	21.4	0	4	4	0.67	Low	New Moon
WESTERN HEAD	2021-08-10 15:00	19.5	0	3	5	0.52	Low	New Moon
WESTERN HEAD	2021-08-10 16:00	19.3	0	2	6	0.53	Low	New Moon
WESTERN HEAD	2021-08-10 17:00	18.3	0	2	7	0.62	Low	New Moon
WESTERN HEAD	2021-08-10 18:00	18.6	0	3	5	0.98	Flood	New Moon
WESTERN HEAD	2021-08-10 19:00	17.9	0	1	6	1.35	High	New Moon
WESTERN HEAD	2021-08-10 20:00	17.7	0	36	6	1.7	High	New Moon
WESTERN HEAD	2021-08-10 21:00	17.6	0	1	5	1.88	High	New Moon
WESTERN HEAD	2021-08-10 22:00	17.7	0	1	5	1.83	High	New Moon
WESTERN HEAD	2021-08-10 23:00	17.6	0	6	2	1.66	High	New Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-08-11 0:00	17.7	0	35	3	1.31	High	New Moon
WESTERN HEAD	2021-08-11 1:00	17.8	0	36	3	0.92	Ebb	New Moon
WESTERN HEAD	2021-08-11 2:00	17	0	21	1	0.55	Low	New Moon
WESTERN HEAD	2021-08-11 3:00	17.1	0	1	1	0.32	Low	New Moon
WESTERN HEAD	2021-08-11 4:00	16.9	0	18	3	0.26	Low	New Moon
WESTERN HEAD	2021-08-11 5:00	17	0	22	5	0.32	Low	New Moon
WESTERN HEAD	2021-08-11 6:00	16.5	0	20	4	0.61	Low	New Moon
WESTERN HEAD	2021-08-11 7:00	16.8	0	23	5	1.06	Flood	New Moon
WESTERN HEAD	2021-08-11 8:00	16.7	0	22	7	1.44	High	New Moon
WESTERN HEAD	2021-08-11 9:00	17.7	0	21	4	1.75	High	New Moon
WESTERN HEAD	2021-08-11 10:00	18.1	0	22	6	1.9	High	New Moon
WESTERN HEAD	2021-08-11 11:00	18.9	0	19	12	1.79	High	New Moon
WESTERN HEAD	2021-08-11 12:00	17.8	0	22	10	1.52	High	New Moon
WESTERN HEAD	2021-08-11 13:00	19	0	20	14	1.21	Ebb	New Moon
WESTERN HEAD	2021-08-11 14:00	17.8	0	21	7	0.85	Ebb	New Moon
WESTERN HEAD	2021-08-11 15:00	18.2	0	21	6	0.64	Low	New Moon
WESTERN HEAD	2021-08-11 16:00	18.6	0	21	6	0.48	Low	New Moon
WESTERN HEAD	2021-08-11 17:00	18.4	0	20	12	0.56	Low	New Moon
WESTERN HEAD	2021-08-11 18:00	17.9	0	19	12	0.69	Low	New Moon
WESTERN HEAD	2021-08-11 19:00	17.7	0	19	12	1.07	Flood	New Moon
WESTERN HEAD	2021-08-11 20:00	17.5	0	19	14	1.4	High	New Moon
WESTERN HEAD	2021-08-11 21:00	17.2	0	20	11	1.78	High	New Moon
WESTERN HEAD	2021-08-11 22:00	16.9	0	20	11	1.87	High	New Moon
WESTERN HEAD	2021-08-11 23:00	17.1	0	22	11	1.84	High	New Moon
WESTERN HEAD	2021-08-12 0:00	17.1	0	22	12	1.53	High	New Moon
WESTERN HEAD	2021-08-12 1:00	16.8	0	20	11	1.21	Ebb	New Moon
WESTERN HEAD	2021-08-12 2:00	16.9	0	21	14	0.8	Low	New Moon
WESTERN HEAD	2021-08-12 3:00	16.8	0	20	16	0.5	Low	New Moon
WESTERN HEAD	2021-08-12 4:00	16.8	0	20	14	0.31	Low	New Moon
WESTERN HEAD	2021-08-12 5:00	16.4	0	20	18	0.32	Low	New Moon
WESTERN HEAD	2021-08-12 6:00	16.2	0	24	8	0.41	Low	New Moon
WESTERN HEAD	2021-08-12 7:00	16.3	0	21	14	0.79	Low	New Moon
WESTERN HEAD	2021-08-12 8:00	16.8	0.2	24	6	1.21	Flood	New Moon
WESTERN HEAD	2021-08-12 9:00	17.3	0	21	8	1.56	High	New Moon
WESTERN HEAD	2021-08-12 10:00	17.9	0	21	11	1.89	High	New Moon
WESTERN HEAD	2021-08-12 11:00	18.1	0	20	14	1.9	High	New Moon
WESTERN HEAD	2021-08-12 12:00	19.6	0	19	17	1.79	High	New Moon
WESTERN HEAD	2021-08-12 13:00	20.1	0	19	12	1.42	High	New Moon
WESTERN HEAD	2021-08-12 14:00	19.6	0	20	19	1.1	Ebb	New Moon
WESTERN HEAD	2021-08-12 15:00	19.2	0	20	20	0.76	Low	New Moon
WESTERN HEAD	2021-08-12 16:00	18	0	20	21	0.62	Low	New Moon
WESTERN HEAD	2021-08-12 17:00	17.4	0	20	23	0.48	Low	New Moon
WESTERN HEAD	2021-08-12 18:00	16.2	0	20	19	0.52	Low	New Moon
WESTERN HEAD	2021-08-12 19:00	15.8	0	23	17	0.75	Low	New Moon
WESTERN HEAD	2021-08-12 20:00	15.4	0	21	14	1.08	Flood	New Moon
WESTERN HEAD	2021-08-12 21:00	15.1	0	21	14	1.52	High	New Moon
WESTERN HEAD	2021-08-12 22:00	16.7	0	22	16	1.74	High	New Moon
WESTERN HEAD	2021-08-12 23:00	15.5	0	18	15	1.87	High	New Moon
WESTERN HEAD	2021-08-13 0:00	16	0	19	19	1.64	High	New Moon
WESTERN HEAD	2021-08-13 1:00	15.6	0	20	17	1.49	High	New Moon
WESTERN HEAD	2021-08-13 2:00	16.9	0	24	12	1.07	Ebb	New Moon
WESTERN HEAD	2021-08-13 3:00	16.2	0	21	11	0.79	Low	New Moon
WESTERN HEAD	2021-08-13 4:00	16.3	0	23	12	0.49	Low	New Moon
WESTERN HEAD	2021-08-13 5:00	15.6	0	22	10	0.34	Low	New Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-08-13 6:00	15.5	0	21	8	0.35	Low	New Moon
WESTERN HEAD	2021-08-13 7:00	15.6	0	25	5	0.52	Low	New Moon
WESTERN HEAD	2021-08-13 8:00	16.5	0	23	5	0.95	Flood	New Moon
WESTERN HEAD	2021-08-13 9:00	17.6	0	23	4	1.33	High	New Moon
WESTERN HEAD	2021-08-13 10:00	18.1	0	19	4	1.73	High	New Moon
WESTERN HEAD	2021-08-13 11:00	17.7	0	20	7	1.93	High	New Moon
WESTERN HEAD	2021-08-13 12:00	19	0	21	10	1.92	High	New Moon
WESTERN HEAD	2021-08-13 13:00	19.8	0	21	14	1.67	High	New Moon
WESTERN HEAD	2021-08-13 14:00	18.8	0	21	17	1.37	High	New Moon
WESTERN HEAD	2021-08-13 15:00	19.3	0	22	12	1.01	Ebb	New Moon
WESTERN HEAD	2021-08-13 16:00	19.1	0	23	14	0.78	Low	New Moon
WESTERN HEAD	2021-08-13 17:00	18.1	0	22	18	0.56	Low	New Moon
WESTERN HEAD	2021-08-13 18:00	16.6	0	21	16	0.49	Low	New Moon
WESTERN HEAD	2021-08-13 19:00	15.7	0	21	17	0.53	Low	New Moon
WESTERN HEAD	2021-08-13 20:00	14.8	0	23	15	0.73	Low	New Moon
WESTERN HEAD	2021-08-13 21:00	16.2	0	25	9	1.12	Flood	New Moon
WESTERN HEAD	2021-08-13 22:00	15.6	0	0	1	1.47	High	New Moon
WESTERN HEAD	2021-08-13 23:00	16.2	0	5	4	1.74	High	New Moon
WESTERN HEAD	2021-08-14 0:00	15.8	0	10	2	1.75	High	New Moon
WESTERN HEAD	2021-08-14 1:00	15.2	0	9	4	1.62	High	New Moon
WESTERN HEAD	2021-08-14 2:00	14.2	0	23	5	1.34	High	New Moon
WESTERN HEAD	2021-08-14 3:00	17.3	0	26	7	1.01	Ebb	New Moon
WESTERN HEAD	2021-08-14 4:00	14.6	0	23	7	0.74	Low	New Moon
WESTERN HEAD	2021-08-14 5:00	14.6	0	24	5	0.54	Low	New Moon
WESTERN HEAD	2021-08-14 6:00	15.2	0	24	1	0.47	Low	New Moon
WESTERN HEAD	2021-08-14 7:00	15.3	0	20	10	0.44	Low	New Moon
WESTERN HEAD	2021-08-14 8:00	16.2	0	22	9	0.67	Low	New Moon
WESTERN HEAD	2021-08-14 9:00	16.3	0	21	10	0.99	Flood	New Moon
WESTERN HEAD	2021-08-14 10:00	17.3	0	20	11	1.41	High	New Moon
WESTERN HEAD	2021-08-14 11:00	18.1	0	21	7	1.77	High	New Moon
WESTERN HEAD	2021-08-14 12:00	19.1	0	18	17	1.95	High	New Moon
WESTERN HEAD	2021-08-14 13:00	17.9	0	21	7	1.87	High	New Moon
WESTERN HEAD	2021-08-14 14:00	18.2	0	22	7	1.61	High	New Moon
WESTERN HEAD	2021-08-14 15:00	18.1	0	22	17	1.28	Ebb	New Moon
WESTERN HEAD	2021-08-14 16:00	17.8	0	21	15	1.01	Ebb	New Moon
WESTERN HEAD	2021-08-14 17:00	16.9	0	22	14	0.78	Low	New Moon
WESTERN HEAD	2021-08-14 18:00	15.7	0	23	11	0.58	Low	New Moon
WESTERN HEAD	2021-08-14 19:00	15.4	0	22	13	0.48	Low	New Moon
WESTERN HEAD	2021-08-14 20:00	15.2	0	23	13	0.48	Low	New Moon
WESTERN HEAD	2021-08-14 21:00	14.4	0	22	13	0.74	Low	New Moon
WESTERN HEAD	2021-08-14 22:00	14.8	0	22	13	1.1	Flood	New Moon
WESTERN HEAD	2021-08-14 23:00	13.9	0	23	14	1.5	High	New Moon
WESTERN HEAD	2021-08-15 0:00	14.7	0	23	13	1.66	High	New Moon
WESTERN HEAD	2021-08-15 1:00	15	0	22	9	1.72	High	New Moon
WESTERN HEAD	2021-08-15 2:00	14.9	0	24	8	1.5	High	New Moon
WESTERN HEAD	2021-08-15 3:00	15.9	0	23	9	1.3	High	New Moon
WESTERN HEAD	2021-08-15 4:00	17.5	0	25	11	0.98	Ebb	New Moon
WESTERN HEAD	2021-08-15 5:00	18.1	0	27	8	0.8	Low	New Moon
WESTERN HEAD	2021-08-15 6:00	18.3	0	27	9	0.6	Low	New Moon
WESTERN HEAD	2021-08-15 7:00	20.8	0	28	5	0.51	Low	New Moon
WESTERN HEAD	2021-08-15 8:00	22.7	0	31	8	0.52	Low	New Moon
WESTERN HEAD	2021-08-15 9:00	22	0	20	6	0.7	Low	New Moon
WESTERN HEAD	2021-08-15 10:00	23.7	0	22	7	1.12	Flood	New Moon
WESTERN HEAD	2021-08-15 11:00	23.3	0	21	6	1.45	High	New Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-08-15 12:00	28.9	0	29	12	1.8	High	First Quarter
WESTERN HEAD	2021-08-15 13:00	29.2	0	29	18	1.87	High	First Quarter
WESTERN HEAD	2021-08-15 14:00	29.3	0	30	16	1.74	High	First Quarter
WESTERN HEAD	2021-08-15 15:00	29	0	31	17	1.56	High	First Quarter
WESTERN HEAD	2021-08-15 16:00	27.9	0	29	16	1.24	Ebb	First Quarter
WESTERN HEAD	2021-08-15 17:00	26.8	0	30	15	1.01	Ebb	First Quarter
WESTERN HEAD	2021-08-15 18:00	24.6	0	29	14	0.7	Low	First Quarter
WESTERN HEAD	2021-08-15 19:00	20.8	0	31	10	0.55	Low	First Quarter
WESTERN HEAD	2021-08-15 20:00	18	0	31	11	0.38	Low	First Quarter
WESTERN HEAD	2021-08-15 21:00	17	0	30	12	0.51	Low	First Quarter
WESTERN HEAD	2021-08-15 22:00	15.9	0	29	12	0.71	Low	First Quarter
WESTERN HEAD	2021-08-15 23:00	16.1	0	30	13	1.09	Flood	First Quarter
WESTERN HEAD	2021-08-16 0:00	15.7	0	31	15	1.38	High	First Quarter
WESTERN HEAD	2021-08-16 1:00	15	0	32	13	1.56	High	First Quarter
WESTERN HEAD	2021-08-16 2:00	14.9	0	31	16	1.6	High	First Quarter
WESTERN HEAD	2021-08-16 3:00	14.6	0	32	15	1.47	High	First Quarter
WESTERN HEAD	2021-08-16 4:00	14.6	0	32	17	1.3	High	First Quarter
WESTERN HEAD	2021-08-16 5:00	14.3	0	32	17	1	Ebb	First Quarter
WESTERN HEAD	2021-08-16 6:00	13.6	0	32	13	0.82	Ebb	First Quarter
WESTERN HEAD	2021-08-16 7:00	15.9	0	31	17	0.66	Low	First Quarter
WESTERN HEAD	2021-08-16 8:00	18.2	0	31	15	0.53	Low	First Quarter
WESTERN HEAD	2021-08-16 9:00	21.2	0	35	10	0.55	Low	First Quarter
WESTERN HEAD	2021-08-16 10:00	23.4	0	36	6	0.79	Low	First Quarter
WESTERN HEAD	2021-08-16 11:00	24.9	0	36	10	1.11	Flood	First Quarter
WESTERN HEAD	2021-08-16 12:00	21.5	0	13	4	1.48	High	First Quarter
WESTERN HEAD	2021-08-16 13:00	21.3	0	16	8	1.71	High	First Quarter
WESTERN HEAD	2021-08-16 14:00	21.7	0	15	11	1.8	High	First Quarter
WESTERN HEAD	2021-08-16 15:00	20.3	0	21	9	1.71	High	First Quarter
WESTERN HEAD	2021-08-16 16:00	19.9	0	21	12	1.53	High	First Quarter
WESTERN HEAD	2021-08-16 17:00	18.8	0	22	10	1.27	Ebb	First Quarter
WESTERN HEAD	2021-08-16 18:00	17.8	0	22	8	0.98	Ebb	First Quarter
WESTERN HEAD	2021-08-16 19:00	16	0	23	7	0.72	Low	First Quarter
WESTERN HEAD	2021-08-16 20:00	13.3	0	22	7	0.46	Low	First Quarter
WESTERN HEAD	2021-08-16 21:00	12.3	0	24	6	0.36	Low	First Quarter
WESTERN HEAD	2021-08-16 22:00	11.1	0	24	4	0.39	Low	First Quarter
WESTERN HEAD	2021-08-16 23:00	11.3	0	25	5	0.7	Low	First Quarter
WESTERN HEAD	2021-08-17 0:00	11	0	26	7	1.01	Flood	First Quarter
WESTERN HEAD	2021-08-17 1:00	13.9	0	32	12	1.38	High	First Quarter
WESTERN HEAD	2021-08-17 2:00	14	0	32	14	1.51	High	First Quarter
WESTERN HEAD	2021-08-17 3:00	14.2	0	31	19	1.58	High	First Quarter
WESTERN HEAD	2021-08-17 4:00	14	0	31	13	1.48	High	First Quarter
WESTERN HEAD	2021-08-17 5:00	13.5	0	32	10	1.33	High	First Quarter
WESTERN HEAD	2021-08-17 6:00	14.1	0	31	17	1.11	Ebb	First Quarter
WESTERN HEAD	2021-08-17 7:00	16.6	0	31	15	0.86	Ebb	First Quarter
WESTERN HEAD	2021-08-17 8:00	18.9	0	13	3	0.69	Low	First Quarter
WESTERN HEAD	2021-08-17 9:00	17.6	0	18	6	0.59	Low	First Quarter
WESTERN HEAD	2021-08-17 10:00	18.2	0	20	9	0.62	Low	First Quarter
WESTERN HEAD	2021-08-17 11:00	18.6	0	20	10	0.8	Low	First Quarter
WESTERN HEAD	2021-08-17 12:00	20.1	0	19	14	1.15	Flood	First Quarter
WESTERN HEAD	2021-08-17 13:00	19.8	0	21	13	1.48	High	First Quarter
WESTERN HEAD	2021-08-17 14:00	19	0	20	23	1.68	High	First Quarter
WESTERN HEAD	2021-08-17 15:00	19.2	0	19	24	1.81	High	First Quarter
WESTERN HEAD	2021-08-17 16:00	18.1	0	20	26	1.7	High	First Quarter
WESTERN HEAD	2021-08-17 17:00	18.4	0	20	23	1.54	High	First Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-08-17 18:00	16.8	0	23	10	1.3	High	First Quarter
WESTERN HEAD	2021-08-17 19:00	16.3	0	24	13	0.96	Ebb	First Quarter
WESTERN HEAD	2021-08-17 20:00	16.4	0	25	12	0.71	Low	First Quarter
WESTERN HEAD	2021-08-17 21:00	14	0	25	11	0.41	Low	First Quarter
WESTERN HEAD	2021-08-17 22:00	13.7	0	25	11	0.34	Low	First Quarter
WESTERN HEAD	2021-08-17 23:00	14.7	0	25	11	0.31	Low	First Quarter
WESTERN HEAD	2021-08-18 0:00	15.6	0	24	9	0.66	Low	First Quarter
WESTERN HEAD	2021-08-18 1:00	16	0	26	11	0.95	Flood	First Quarter
WESTERN HEAD	2021-08-18 2:00	16.3	0	26	11	1.32	High	First Quarter
WESTERN HEAD	2021-08-18 3:00	16	0	24	11	1.49	High	First Quarter
WESTERN HEAD	2021-08-18 4:00	14.2	0	21	7	1.55	High	First Quarter
WESTERN HEAD	2021-08-18 5:00	13.5	0	24	6	1.52	High	First Quarter
WESTERN HEAD	2021-08-18 6:00	13.7	0	22	8	1.35	High	First Quarter
WESTERN HEAD	2021-08-18 7:00	14.3	0	22	11	1.16	Ebb	First Quarter
WESTERN HEAD	2021-08-18 8:00	15.7	0	22	10	0.93	Ebb	First Quarter
WESTERN HEAD	2021-08-18 9:00	16	0	21	9	0.73	Low	First Quarter
WESTERN HEAD	2021-08-18 10:00	16.4	0	20	12	0.55	Low	First Quarter
WESTERN HEAD	2021-08-18 11:00	17.2	0	20	18	0.59	Low	First Quarter
WESTERN HEAD	2021-08-18 12:00	18.1	0	20	25	0.74	Low	First Quarter
WESTERN HEAD	2021-08-18 13:00	17.4	0	20	29	1.09	Flood	First Quarter
WESTERN HEAD	2021-08-18 14:00	16.8	0	20	27	1.41	High	First Quarter
WESTERN HEAD	2021-08-18 15:00	16.9	0	22	16	1.65	High	First Quarter
WESTERN HEAD	2021-08-18 16:00	16.6	0	24	13	1.73	High	First Quarter
WESTERN HEAD	2021-08-18 17:00	16.4	0	27	9	1.7	High	First Quarter
WESTERN HEAD	2021-08-18 18:00	16.4	0	24	9	1.55	High	First Quarter
WESTERN HEAD	2021-08-18 19:00	15.7	0	23	11	1.3	High	First Quarter
WESTERN HEAD	2021-08-18 20:00	14.9	0	23	12	0.99	Ebb	First Quarter
WESTERN HEAD	2021-08-18 21:00	15.4	0	22	9	0.64	Low	First Quarter
WESTERN HEAD	2021-08-18 22:00	14.1	0	22	8	0.36	Low	First Quarter
WESTERN HEAD	2021-08-18 23:00	14.2	0	23	8	0.25	Low	First Quarter
WESTERN HEAD	2021-08-19 0:00	15	0	24	8	0.25	Low	First Quarter
WESTERN HEAD	2021-08-19 1:00	14.8	0	23	7	0.56	Low	First Quarter
WESTERN HEAD	2021-08-19 2:00	14.5	0	22	10	0.93	Flood	First Quarter
WESTERN HEAD	2021-08-19 3:00	14.1	0	23	7	1.27	Flood	First Quarter
WESTERN HEAD	2021-08-19 4:00	13.8	0	21	8	1.53	High	First Quarter
WESTERN HEAD	2021-08-19 5:00	13.7	1.7	20	11	1.59	High	First Quarter
WESTERN HEAD	2021-08-19 6:00	13.6	4.5	21	9	1.63	High	First Quarter
WESTERN HEAD	2021-08-19 7:00	13.9	2.1	21	12	1.44	High	First Quarter
WESTERN HEAD	2021-08-19 8:00	14.2	0.2	23	8	1.22	Ebb	First Quarter
WESTERN HEAD	2021-08-19 9:00	14.6	0	23	12	0.97	Ebb	First Quarter
WESTERN HEAD	2021-08-19 10:00	16.2	0	22	11	0.72	Low	First Quarter
WESTERN HEAD	2021-08-19 11:00	15.9	0	21	9	0.54	Low	First Quarter
WESTERN HEAD	2021-08-19 12:00	17	0	20	7	0.55	Low	First Quarter
WESTERN HEAD	2021-08-19 13:00	20.4	0	22	12	0.69	Low	First Quarter
WESTERN HEAD	2021-08-19 14:00	17.9	0	22	7	1.05	Flood	First Quarter
WESTERN HEAD	2021-08-19 15:00	18.5	0	22	15	1.4	High	First Quarter
WESTERN HEAD	2021-08-19 16:00	19.1	0	22	8	1.73	High	First Quarter
WESTERN HEAD	2021-08-19 17:00	18.6	0	23	11	1.77	High	First Quarter
WESTERN HEAD	2021-08-19 18:00	18.8	0	24	10	1.81	High	First Quarter
WESTERN HEAD	2021-08-19 19:00	20	0	24	16	1.61	High	First Quarter
WESTERN HEAD	2021-08-19 20:00	16.7	0	22	4	1.36	High	First Quarter
WESTERN HEAD	2021-08-19 21:00	16.5	0	23	7	1.01	Ebb	First Quarter
WESTERN HEAD	2021-08-19 22:00	17.4	0	23	10	0.65	Low	First Quarter
WESTERN HEAD	2021-08-19 23:00	17.7	0	26	8	0.36	Low	First Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-08-20 0:00	14.8	0	25	12	0.23	Low	First Quarter
WESTERN HEAD	2021-08-20 1:00	14.7	0	23	12	0.28	Low	First Quarter
WESTERN HEAD	2021-08-20 2:00	15.3	0	23	8	0.58	Low	First Quarter
WESTERN HEAD	2021-08-20 3:00	15.4	0	23	10	0.98	Flood	First Quarter
WESTERN HEAD	2021-08-20 4:00	15	3.7	22	8	1.4	High	First Quarter
WESTERN HEAD	2021-08-20 5:00	18.4	9.7	21	5	1.63	High	First Quarter
WESTERN HEAD	2021-08-20 6:00	16.3	7.8	18	7	1.78	High	First Quarter
WESTERN HEAD	2021-08-20 7:00	18.1	0.3	21	14	1.74	High	First Quarter
WESTERN HEAD	2021-08-20 8:00	16.3	0	20	9	1.56	High	First Quarter
WESTERN HEAD	2021-08-20 9:00	16.2	0	23	9	1.36	High	First Quarter
WESTERN HEAD	2021-08-20 10:00	16.8	0	20	20	1.03	Ebb	First Quarter
WESTERN HEAD	2021-08-20 11:00	16.3	0	23	9	0.86	Ebb	First Quarter
WESTERN HEAD	2021-08-20 12:00	17	0	21	15	0.59	Low	First Quarter
WESTERN HEAD	2021-08-20 13:00	16.9	0	20	19	0.62	Low	First Quarter
WESTERN HEAD	2021-08-20 14:00	16.9	0	24	9	0.73	Low	First Quarter
WESTERN HEAD	2021-08-20 15:00	17.9	0	24	9	1.15	Flood	First Quarter
WESTERN HEAD	2021-08-20 16:00	16.9	0	22	13	1.52	High	First Quarter
WESTERN HEAD	2021-08-20 17:00	16.2	0	25	11	1.85	High	First Quarter
WESTERN HEAD	2021-08-20 18:00	17.1	0	24	7	1.95	High	First Quarter
WESTERN HEAD	2021-08-20 19:00	16.3	0	27	5	1.89	High	First Quarter
WESTERN HEAD	2021-08-20 20:00	19.1	0	26	6	1.74	High	First Quarter
WESTERN HEAD	2021-08-20 21:00	19.8	0	27	7	1.42	High	First Quarter
WESTERN HEAD	2021-08-20 22:00	20	0	27	10	1.08	Ebb	First Quarter
WESTERN HEAD	2021-08-20 23:00	16.8	0	0	1	0.67	Low	First Quarter
WESTERN HEAD	2021-08-21 0:00	18.6	0	27	7	0.37	Low	First Quarter
WESTERN HEAD	2021-08-21 1:00	17.6	0	23	3	0.21	Low	First Quarter
WESTERN HEAD	2021-08-21 2:00	18.1	0	25	3	0.31	Low	First Quarter
WESTERN HEAD	2021-08-21 3:00	17.5	0	29	4	0.61	Low	First Quarter
WESTERN HEAD	2021-08-21 4:00	18.8	0	36	4	1.06	Flood	First Quarter
WESTERN HEAD	2021-08-21 5:00	19.6	0	1	3	1.47	High	First Quarter
WESTERN HEAD	2021-08-21 6:00	18.9	0	1	3	1.78	High	First Quarter
WESTERN HEAD	2021-08-21 7:00	18.3	0	5	7	1.87	High	First Quarter
WESTERN HEAD	2021-08-21 8:00	17.6	0	2	6	1.8	High	First Quarter
WESTERN HEAD	2021-08-21 9:00	17.5	0	3	7	1.61	High	First Quarter
WESTERN HEAD	2021-08-21 10:00	18.5	0	2	7	1.32	High	First Quarter
WESTERN HEAD	2021-08-21 11:00	19	0	2	6	1.04	Ebb	First Quarter
WESTERN HEAD	2021-08-21 12:00	21.2	0	3	6	0.79	Low	First Quarter
WESTERN HEAD	2021-08-21 13:00	21.3	0	5	6	0.55	Low	First Quarter
WESTERN HEAD	2021-08-21 14:00	20.3	0	8	4	0.56	Low	First Quarter
WESTERN HEAD	2021-08-21 15:00	20.3	0	13	5	0.73	Low	First Quarter
WESTERN HEAD	2021-08-21 16:00	20.5	0	15	6	1.15	Flood	First Quarter
WESTERN HEAD	2021-08-21 17:00	20.2	0	19	4	1.51	High	First Quarter
WESTERN HEAD	2021-08-21 18:00	18.8	0	21	6	1.86	High	First Quarter
WESTERN HEAD	2021-08-21 19:00	17.5	0	20	3	1.95	High	First Quarter
WESTERN HEAD	2021-08-21 20:00	15.9	0	25	4	1.93	High	First Quarter
WESTERN HEAD	2021-08-21 21:00	15.5	0	25	2	1.64	High	First Quarter
WESTERN HEAD	2021-08-21 22:00	15.6	0	0	1	1.35	High	First Quarter
WESTERN HEAD	2021-08-21 23:00	15.6	0		0	0.92	Ebb	First Quarter
WESTERN HEAD	2021-08-22 0:00	16.2	0	1	8	0.56	Low	First Quarter
WESTERN HEAD	2021-08-22 1:00	16.4	0	1	6	0.26	Low	First Quarter
WESTERN HEAD	2021-08-22 2:00	16.8	0	36	6	0.16	Low	First Quarter
WESTERN HEAD	2021-08-22 3:00	16.8	0	4	5	0.3	Low	First Quarter
WESTERN HEAD	2021-08-22 4:00	16.5	0	3	5	0.63	Low	First Quarter
WESTERN HEAD	2021-08-22 5:00	16.2	0	3	7	1.1	Flood	First Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-08-22 6:00	14.9	0	2	6	1.51	High	First Quarter
WESTERN HEAD	2021-08-22 7:00	15.9	0	2	8	1.78	High	First Quarter
WESTERN HEAD	2021-08-22 8:00	17.5	0	4	7	1.92	High	First Quarter
WESTERN HEAD	2021-08-22 9:00	19.1	0	2	8	1.76	High	Full Moon
WESTERN HEAD	2021-08-22 10:00	19.6	0	3	10	1.58	High	Full Moon
WESTERN HEAD	2021-08-22 11:00	20.7	0	4	9	1.22	Ebb	Full Moon
WESTERN HEAD	2021-08-22 12:00	22.1	0	4	7	0.89	Ebb	Full Moon
WESTERN HEAD	2021-08-22 13:00	20.8	0	4	10	0.66	Low	Full Moon
WESTERN HEAD	2021-08-22 14:00	21.3	0	5	10	0.47	Low	Full Moon
WESTERN HEAD	2021-08-22 15:00	20.9	0	6	10	0.51	Low	Full Moon
WESTERN HEAD	2021-08-22 16:00	22	0	5	12	0.76	Low	Full Moon
WESTERN HEAD	2021-08-22 17:00	21.5	0	5	11	1.15	Flood	Full Moon
WESTERN HEAD	2021-08-22 18:00	19.3	0	3	8	1.56	High	Full Moon
WESTERN HEAD	2021-08-22 19:00	17.6	0	2	8	1.87	High	Full Moon
WESTERN HEAD	2021-08-22 20:00	17.7	0	5	9	1.97	High	Full Moon
WESTERN HEAD	2021-08-22 21:00	17.9	0	2	7	1.87	High	Full Moon
WESTERN HEAD	2021-08-22 22:00	18.1	0	2	10	1.62	High	Full Moon
WESTERN HEAD	2021-08-22 23:00	18	0	36	9	1.25	Ebb	Full Moon
WESTERN HEAD	2021-08-23 0:00	18.5	0	36	10	0.84	Ebb	Full Moon
WESTERN HEAD	2021-08-23 1:00	18.2	0	2	9	0.48	Low	Full Moon
WESTERN HEAD	2021-08-23 2:00	17.4	0	2	8	0.29	Low	Full Moon
WESTERN HEAD	2021-08-23 3:00	17.7	0	2	9	0.21	Low	Full Moon
WESTERN HEAD	2021-08-23 4:00	18.8	0.5	7	8	0.39	Low	Full Moon
WESTERN HEAD	2021-08-23 5:00	17.8	1	10	16	0.79	Low	Full Moon
WESTERN HEAD	2021-08-23 6:00	18	0	11	17	1.22	Flood	Full Moon
WESTERN HEAD	2021-08-23 7:00	18	0	10	12	1.69	High	Full Moon
WESTERN HEAD	2021-08-23 8:00	18.3	0	10	13	1.93	High	Full Moon
WESTERN HEAD	2021-08-23 9:00	18.8	0.2	11	18	1.97	High	Full Moon
WESTERN HEAD	2021-08-23 10:00	18.9	0.4	10	17	1.79	High	Full Moon
WESTERN HEAD	2021-08-23 11:00	20.2	0.2	10	14	1.46	High	Full Moon
WESTERN HEAD	2021-08-23 12:00	19.4	0	9	13	1.16	Ebb	Full Moon
WESTERN HEAD	2021-08-23 13:00	19.8	0	10	18	0.82	Ebb	Full Moon
WESTERN HEAD	2021-08-23 14:00	20	0	10	16	0.63	Low	Full Moon
WESTERN HEAD	2021-08-23 15:00	19.9	0	10	16	0.47	Low	Full Moon
WESTERN HEAD	2021-08-23 16:00	19.3	0	10	17	0.53	Low	Full Moon
WESTERN HEAD	2021-08-23 17:00	19.6	0	11	18	0.86	Flood	Full Moon
WESTERN HEAD	2021-08-23 18:00	19.2	0	8	6	1.22	Flood	Full Moon
WESTERN HEAD	2021-08-23 19:00	19.2	0	8	5	1.7	High	Full Moon
WESTERN HEAD	2021-08-23 20:00	19.6	0	4	3	1.9	High	Full Moon
WESTERN HEAD	2021-08-23 21:00	19.1	0	11	10	2.06	High	Full Moon
WESTERN HEAD	2021-08-23 22:00	19.1	0	13	22	1.8	High	Full Moon
WESTERN HEAD	2021-08-23 23:00	19.4	2.2	15	26	1.59	High	Full Moon
WESTERN HEAD	2021-08-24 0:00	18.6	0	17	27	1.14	Ebb	Full Moon
WESTERN HEAD	2021-08-24 1:00	17.7	0	20	22	0.81	Ebb	Full Moon
WESTERN HEAD	2021-08-24 2:00	16.9	0	20	24	0.54	Low	Full Moon
WESTERN HEAD	2021-08-24 3:00	16.2	0	19	22	0.31	Low	Full Moon
WESTERN HEAD	2021-08-24 4:00	15.9	0	21	15	0.34	Low	Full Moon
WESTERN HEAD	2021-08-24 5:00	15.8	0	19	16	0.51	Low	Full Moon
WESTERN HEAD	2021-08-24 6:00	15.8	0	20	19	0.95	Flood	Full Moon
WESTERN HEAD	2021-08-24 7:00	16.1	0	22	9	1.38	High	Full Moon
WESTERN HEAD	2021-08-24 8:00	16.9	0.2	22	10	1.8	High	Full Moon
WESTERN HEAD	2021-08-24 9:00	17.2	0	19	11	1.97	High	Full Moon
WESTERN HEAD	2021-08-24 10:00	17.9	0	21	11	2	High	Full Moon
WESTERN HEAD	2021-08-24 11:00	20.2	0	22	8	1.74	High	Full Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-08-24 12:00	19	0	18	7	1.39	High	Full Moon
WESTERN HEAD	2021-08-24 13:00	20.6	0	22	9	1.04	Ebb	Full Moon
WESTERN HEAD	2021-08-24 14:00	20.5	0	23	11	0.78	Low	Full Moon
WESTERN HEAD	2021-08-24 15:00	18.4	0	24	10	0.62	Low	Full Moon
WESTERN HEAD	2021-08-24 16:00	20.1	0	24	11	0.59	Low	Full Moon
WESTERN HEAD	2021-08-24 17:00	19.9	0	22	11	0.67	Low	Full Moon
WESTERN HEAD	2021-08-24 18:00	18.7	0	22	9	0.96	Flood	Full Moon
WESTERN HEAD	2021-08-24 19:00	19.7	0	24	7	1.34	High	Full Moon
WESTERN HEAD	2021-08-24 20:00	19	0	23	5	1.75	High	Full Moon
WESTERN HEAD	2021-08-24 21:00	18.6	0	23	8	1.98	High	Full Moon
WESTERN HEAD	2021-08-24 22:00	19.3	0	24	7	2	High	Full Moon
WESTERN HEAD	2021-08-24 23:00	19.3	0	25	7	1.76	High	Full Moon
WESTERN HEAD	2021-08-25 0:00	17.8	0	0	1	1.43	High	Full Moon
WESTERN HEAD	2021-08-25 1:00	17.9	0	0	0	1.03	Ebb	Full Moon
WESTERN HEAD	2021-08-25 2:00	19.5	0	30	11	0.69	Low	Full Moon
WESTERN HEAD	2021-08-25 3:00	19.6	0	29	13	0.46	Low	Full Moon
WESTERN HEAD	2021-08-25 4:00	19.6	0	30	13	0.44	Low	Full Moon
WESTERN HEAD	2021-08-25 5:00	17.6	0	23	2	0.42	Low	Full Moon
WESTERN HEAD	2021-08-25 6:00	18.2	0	24	2	0.77	Low	Full Moon
WESTERN HEAD	2021-08-25 7:00	20.2	0	25	7	1.05	Flood	Full Moon
WESTERN HEAD	2021-08-25 8:00	19.5	0	22	10	1.55	High	Full Moon
WESTERN HEAD	2021-08-25 9:00	20.5	0	22	7	1.83	High	Full Moon
WESTERN HEAD	2021-08-25 10:00	22.3	0	22	6	2	High	Full Moon
WESTERN HEAD	2021-08-25 11:00	22	0	22	11	1.84	High	Full Moon
WESTERN HEAD	2021-08-25 12:00	20.2	0	21	17	1.59	High	Full Moon
WESTERN HEAD	2021-08-25 13:00	20.2	0	24	12	1.24	Ebb	Full Moon
WESTERN HEAD	2021-08-25 14:00	20.2	0	25	15	0.84	Ebb	Full Moon
WESTERN HEAD	2021-08-25 15:00	20	0	23	10	0.68	Low	Full Moon
WESTERN HEAD	2021-08-25 16:00	21.2	0	23	11	0.44	Low	Full Moon
WESTERN HEAD	2021-08-25 17:00	19.3	0	23	11	0.6	Low	Full Moon
WESTERN HEAD	2021-08-25 18:00	22.4	0	24	9	0.61	Low	Full Moon
WESTERN HEAD	2021-08-25 19:00	18.7	0	24	9	1	Flood	Full Moon
WESTERN HEAD	2021-08-25 20:00	17	0	23	9	1.33	High	Full Moon
WESTERN HEAD	2021-08-25 21:00	21.1	0	29	11	1.67	High	Full Moon
WESTERN HEAD	2021-08-25 22:00	22.6	0	30	14	1.87	High	Full Moon
WESTERN HEAD	2021-08-25 23:00	22.7	0	31	16	1.81	High	Full Moon
WESTERN HEAD	2021-08-26 0:00	22	0	31	16	1.56	High	Full Moon
WESTERN HEAD	2021-08-26 1:00	21.6	0	32	17	1.2	Ebb	Full Moon
WESTERN HEAD	2021-08-26 2:00	20.9	0	32	14	0.86	Ebb	Full Moon
WESTERN HEAD	2021-08-26 3:00	20.1	0	33	12	0.64	Low	Full Moon
WESTERN HEAD	2021-08-26 4:00	17.6	0	5	4	0.51	Low	Full Moon
WESTERN HEAD	2021-08-26 5:00	17.4	0	26	10	0.46	Low	Full Moon
WESTERN HEAD	2021-08-26 6:00	16.7	0	25	7	0.58	Low	Full Moon
WESTERN HEAD	2021-08-26 7:00	20.9	0	29	9	0.84	Flood	Full Moon
WESTERN HEAD	2021-08-26 8:00	22.5	0	22	5	1.27	Flood	Full Moon
WESTERN HEAD	2021-08-26 9:00	23.5	0	22	7	1.67	High	Full Moon
WESTERN HEAD	2021-08-26 10:00	22.8	0	20	7	1.89	High	Full Moon
WESTERN HEAD	2021-08-26 11:00	22.7	0	20	13	1.96	High	Full Moon
WESTERN HEAD	2021-08-26 12:00	21.9	0	22	7	1.71	High	Full Moon
WESTERN HEAD	2021-08-26 13:00	22.3	0	20	15	1.49	High	Full Moon
WESTERN HEAD	2021-08-26 14:00	22.3	0	23	9	1.02	Ebb	Full Moon
WESTERN HEAD	2021-08-26 15:00	22	0	21	19	0.86	Ebb	Full Moon
WESTERN HEAD	2021-08-26 16:00	20.6	0	22	16	0.64	Low	Full Moon
WESTERN HEAD	2021-08-26 17:00	19.8	0	21	20	0.61	Low	Full Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-08-26 18:00	18.5	0	22	12	0.61	Low	Full Moon
WESTERN HEAD	2021-08-26 19:00	16.9	0	27	9	0.77	Low	Full Moon
WESTERN HEAD	2021-08-26 20:00	16.7	0	22	10	1.06	Flood	Full Moon
WESTERN HEAD	2021-08-26 21:00	15.8	0	24	7	1.46	High	Full Moon
WESTERN HEAD	2021-08-26 22:00	16.1	0	24	7	1.7	High	Full Moon
WESTERN HEAD	2021-08-26 23:00	15.6	0	21	8	1.83	High	Full Moon
WESTERN HEAD	2021-08-27 0:00	16.1	0	24	12	1.66	High	Full Moon
WESTERN HEAD	2021-08-27 1:00	15.1	0	21	12	1.4	High	Full Moon
WESTERN HEAD	2021-08-27 2:00	15.2	0	20	16	1.09	Ebb	Full Moon
WESTERN HEAD	2021-08-27 3:00	15.6	0	22	12	0.76	Low	Full Moon
WESTERN HEAD	2021-08-27 4:00	15.3	0	23	11	0.65	Low	Full Moon
WESTERN HEAD	2021-08-27 5:00	15.4	0	0	0	0.5	Low	Full Moon
WESTERN HEAD	2021-08-27 6:00	15.8	0	23	7	0.59	Low	Full Moon
WESTERN HEAD	2021-08-27 7:00	16.3	0	23	8	0.72	Low	Full Moon
WESTERN HEAD	2021-08-27 8:00	17.2	0	22	4	1.01	Flood	Full Moon
WESTERN HEAD	2021-08-27 9:00	17.8	0	21	8	1.32	High	Full Moon
WESTERN HEAD	2021-08-27 10:00	19	0	22	9	1.69	High	Full Moon
WESTERN HEAD	2021-08-27 11:00	19.9	0	21	10	1.84	High	Full Moon
WESTERN HEAD	2021-08-27 12:00	20.4	0	20	8	1.82	High	Full Moon
WESTERN HEAD	2021-08-27 13:00	21.8	0	19	6	1.59	High	Full Moon
WESTERN HEAD	2021-08-27 14:00	31.2	0	31	20	1.26	Ebb	Full Moon
WESTERN HEAD	2021-08-27 15:00	30	0	31	20	0.95	Ebb	Full Moon
WESTERN HEAD	2021-08-27 16:00	28.1	0	32	20	0.77	Low	Full Moon
WESTERN HEAD	2021-08-27 17:00	26.2	0	31	17	0.61	Low	Full Moon
WESTERN HEAD	2021-08-27 18:00	23.8	0	33	18	0.64	Low	Full Moon
WESTERN HEAD	2021-08-27 19:00	20.8	0	33	16	0.62	Low	Full Moon
WESTERN HEAD	2021-08-27 20:00	18.2	0	33	12	0.84	Flood	Full Moon
WESTERN HEAD	2021-08-27 21:00	18.7	0	34	10	1.11	Flood	Full Moon
WESTERN HEAD	2021-08-27 22:00	17.3	0	34	10	1.39	High	Full Moon
WESTERN HEAD	2021-08-27 23:00	16.9	0	34	14	1.63	High	Full Moon
WESTERN HEAD	2021-08-28 0:00	16.2	0	35	13	1.65	High	Full Moon
WESTERN HEAD	2021-08-28 1:00	15.3	0	35	11	1.47	High	Full Moon
WESTERN HEAD	2021-08-28 2:00	13.3	0	34	10	1.21	Ebb	Full Moon
WESTERN HEAD	2021-08-28 3:00	13.3	0	34	12	0.94	Ebb	Full Moon
WESTERN HEAD	2021-08-28 4:00	12.5	0	33	11	0.77	Low	Full Moon
WESTERN HEAD	2021-08-28 5:00	13.1	0	34	14	0.61	Low	Full Moon
WESTERN HEAD	2021-08-28 6:00	12.7	0	34	16	0.61	Low	Full Moon
WESTERN HEAD	2021-08-28 7:00	13.8	0	35	13	0.62	Low	Full Moon
WESTERN HEAD	2021-08-28 8:00	16.3	0	35	13	0.77	Low	Full Moon
WESTERN HEAD	2021-08-28 9:00	18.4	0	36	11	1.11	Flood	Full Moon
WESTERN HEAD	2021-08-28 10:00	20.2	0	1	9	1.41	High	Full Moon
WESTERN HEAD	2021-08-28 11:00	21.8	0	3	8	1.67	High	Full Moon
WESTERN HEAD	2021-08-28 12:00	23.2	0	5	5	1.81	High	Full Moon
WESTERN HEAD	2021-08-28 13:00	21.8	0	22	5	1.69	High	Full Moon
WESTERN HEAD	2021-08-28 14:00	20.3	0	17	8	1.43	High	Full Moon
WESTERN HEAD	2021-08-28 15:00	19.9	0	19	13	1.12	Ebb	Full Moon
WESTERN HEAD	2021-08-28 16:00	18.7	0	21	10	0.96	Ebb	Full Moon
WESTERN HEAD	2021-08-28 17:00	18.6	0	19	8	0.76	Low	Full Moon
WESTERN HEAD	2021-08-28 18:00	18.8	0	2	3	0.73	Low	Full Moon
WESTERN HEAD	2021-08-28 19:00	16.7	0.2	35	7	0.63	Low	Full Moon
WESTERN HEAD	2021-08-28 20:00	14	0	32	9	0.71	Low	Full Moon
WESTERN HEAD	2021-08-28 21:00	13.4	0	32	10	0.92	Flood	Full Moon
WESTERN HEAD	2021-08-28 22:00	13.3	0	31	11	1.23	Flood	Full Moon
WESTERN HEAD	2021-08-28 23:00	13	0	33	9	1.53	High	Full Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-08-29 0:00	13	0	32	14	1.64	High	Full Moon
WESTERN HEAD	2021-08-29 1:00	11.8	0	32	14	1.67	High	Full Moon
WESTERN HEAD	2021-08-29 2:00	11.7	0	32	14	1.41	High	Full Moon
WESTERN HEAD	2021-08-29 3:00	11.7	0	34	11	1.24	Ebb	Full Moon
WESTERN HEAD	2021-08-29 4:00	10.7	0	33	11	0.98	Ebb	Full Moon
WESTERN HEAD	2021-08-29 5:00	10.1	0	32	13	0.84	Ebb	Full Moon
WESTERN HEAD	2021-08-29 6:00	10.7	0	33	11	0.82	Ebb	Full Moon
WESTERN HEAD	2021-08-29 7:00	13.9	0	34	7	0.74	Low	Full Moon
WESTERN HEAD	2021-08-29 8:00	17.4	0	1	5	0.78	Low	Full Moon
WESTERN HEAD	2021-08-29 9:00	18.9	0	11	4	0.94	Flood	Full Moon
WESTERN HEAD	2021-08-29 10:00	19	0	14	6	1.21	Flood	Full Moon
WESTERN HEAD	2021-08-29 11:00	19.9	0	14	11	1.49	High	Full Moon
WESTERN HEAD	2021-08-29 12:00	20.4	0	18	14	1.65	High	Full Moon
WESTERN HEAD	2021-08-29 13:00	21.2	0	17	15	1.69	High	Full Moon
WESTERN HEAD	2021-08-29 14:00	21.1	0	19	17	1.48	High	Full Moon
WESTERN HEAD	2021-08-29 15:00	21	0	19	20	1.3	High	Full Moon
WESTERN HEAD	2021-08-29 16:00	20	0	20	25	1.03	Ebb	Full Moon
WESTERN HEAD	2021-08-29 17:00	19.3	0	20	26	0.92	Ebb	Full Moon
WESTERN HEAD	2021-08-29 18:00	18.3	0	20	24	0.74	Low	Full Moon
WESTERN HEAD	2021-08-29 19:00	17.5	0	21	16	0.67	Low	Full Moon
WESTERN HEAD	2021-08-29 20:00	16.8	0	23	16	0.66	Low	Full Moon
WESTERN HEAD	2021-08-29 21:00	14.5	0	26	10	0.73	Low	Full Moon
WESTERN HEAD	2021-08-29 22:00	11.5	0	28	4	0.99	Flood	Full Moon
WESTERN HEAD	2021-08-29 23:00	12.3	0	29	8	1.24	Flood	Full Moon
WESTERN HEAD	2021-08-30 0:00	13.8	0	23	3	1.47	High	Full Moon
WESTERN HEAD	2021-08-30 1:00	14.5	0	29	6	1.55	High	Full Moon
WESTERN HEAD	2021-08-30 2:00	15.2	0	24	7	1.51	High	Full Moon
WESTERN HEAD	2021-08-30 3:00	15.5	0	25	15	1.36	High	Full Moon
WESTERN HEAD	2021-08-30 4:00	15.8	0	21	8	1.14	Ebb	Last Quarter
WESTERN HEAD	2021-08-30 5:00	16.1	0	17	9	1.02	Ebb	Last Quarter
WESTERN HEAD	2021-08-30 6:00	17	0	17	15	0.92	Ebb	Last Quarter
WESTERN HEAD	2021-08-30 7:00	17.7	0	18	28	0.91	Ebb	Last Quarter
WESTERN HEAD	2021-08-30 8:00	17.6	0	18	22	0.82	Ebb	Last Quarter
WESTERN HEAD	2021-08-30 9:00	17.7	0.8	20	23	0.95	Flood	Last Quarter
WESTERN HEAD	2021-08-30 10:00	18	0.2	22	20	1.12	Flood	Last Quarter
WESTERN HEAD	2021-08-30 11:00	18.6	2	21	22	1.39	High	Last Quarter
WESTERN HEAD	2021-08-30 12:00	18.8	0.7	21	23	1.6	High	Last Quarter
WESTERN HEAD	2021-08-30 13:00	19.9	0.2	21	23	1.72	High	Last Quarter
WESTERN HEAD	2021-08-30 14:00	21.3	0	20	22	1.69	High	Last Quarter
WESTERN HEAD	2021-08-30 15:00	20.7	0	19	27	1.55	High	Last Quarter
WESTERN HEAD	2021-08-30 16:00	20.2	0	20	30	1.43	High	Last Quarter
WESTERN HEAD	2021-08-30 17:00	18.7	0	20	25	1.17	Ebb	Last Quarter
WESTERN HEAD	2021-08-30 18:00	18.3	0	21	24	1.05	Ebb	Last Quarter
WESTERN HEAD	2021-08-30 19:00	18	0	21	19	0.84	Ebb	Last Quarter
WESTERN HEAD	2021-08-30 20:00	18.3	0	22	19	0.81	Ebb	Last Quarter
WESTERN HEAD	2021-08-30 21:00	18	0	20	22	0.77	Low	Last Quarter
WESTERN HEAD	2021-08-30 22:00	18.3	0	20	22	0.92	Flood	Last Quarter
WESTERN HEAD	2021-08-30 23:00	18.1	0	21	16	1.1	Flood	Last Quarter
WESTERN HEAD	2021-08-31 0:00	18.8	0	22	20	1.37	High	Last Quarter
WESTERN HEAD	2021-08-31 1:00	18.7	4.3	22	17	1.48	High	Last Quarter
WESTERN HEAD	2021-08-31 2:00	18	0	22	12	1.61	High	Last Quarter
WESTERN HEAD	2021-08-31 3:00	17.6	0	22	12	1.48	High	Last Quarter
WESTERN HEAD	2021-08-31 4:00	17.8	0	21	11	1.44	High	Last Quarter
WESTERN HEAD	2021-08-31 5:00	19.8	0	25	9	1.25	Ebb	Last Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-08-31 6:00	19.4	0	25	10	1.19	Ebb	Last Quarter
WESTERN HEAD	2021-08-31 7:00	18.4	0	23	12	1.04	Ebb	Last Quarter
WESTERN HEAD	2021-08-31 8:00	18	0.2	24	5	0.99	Ebb	Last Quarter
WESTERN HEAD	2021-08-31 9:00	19.5	0	22	11	0.96	Ebb	Last Quarter
WESTERN HEAD	2021-08-31 10:00	20.5	0	23	9	1.1	Flood	Last Quarter
WESTERN HEAD	2021-08-31 11:00	20.4	0	21	7	1.25	Flood	Last Quarter
WESTERN HEAD	2021-08-31 12:00	19.7	0	19	16	1.5	High	Last Quarter
WESTERN HEAD	2021-08-31 13:00	19.2	0	20	20	1.65	High	Last Quarter
WESTERN HEAD	2021-08-31 14:00	20	0	23	9	1.75	High	Last Quarter
WESTERN HEAD	2021-08-31 15:00	18.7	0	21	16	1.7	High	Last Quarter
WESTERN HEAD	2021-08-31 16:00	18	0	22	11	1.63	High	Last Quarter
WESTERN HEAD	2021-08-31 17:00	18.3	0	23	6	1.39	High	Last Quarter
WESTERN HEAD	2021-08-31 18:00	19.3	0	24	5	1.29	Ebb	Last Quarter
WESTERN HEAD	2021-08-31 19:00	18.2	0	23	8	1.05	Ebb	Last Quarter
WESTERN HEAD	2021-08-31 20:00	16.9	0	23	8	0.96	Ebb	Last Quarter
WESTERN HEAD	2021-08-31 21:00	16.3	0	25	10	0.81	Ebb	Last Quarter
WESTERN HEAD	2021-08-31 22:00	16.8	0	23	12	0.83	Flood	Last Quarter
WESTERN HEAD	2021-08-31 23:00	15.6	0	23	10	0.96	Flood	Last Quarter
WESTERN HEAD	2021-09-01 0:00	15.1	0	23	9	1.17	Flood	Last Quarter
WESTERN HEAD	2021-09-01 1:00	14.1	0	23	9	1.4	High	Last Quarter
WESTERN HEAD	2021-09-01 2:00	15.6	0	24	12	1.54	High	Last Quarter
WESTERN HEAD	2021-09-01 3:00	15.4	0	22	11	1.56	High	Last Quarter
WESTERN HEAD	2021-09-01 4:00	15.4	0	22	10	1.55	High	Last Quarter
WESTERN HEAD	2021-09-01 5:00	15.3	0	24	12	1.47	High	Last Quarter
WESTERN HEAD	2021-09-01 6:00	15.1	0	27	10	1.37	High	Last Quarter
WESTERN HEAD	2021-09-01 7:00	17	0	28	4	1.22	Ebb	Last Quarter
WESTERN HEAD	2021-09-01 8:00	19.9	0	30	8	1.1	Ebb	Last Quarter
WESTERN HEAD	2021-09-01 9:00	22.8	0	31	15	1.02	Ebb	Last Quarter
WESTERN HEAD	2021-09-01 10:00	24.5	0	30	14	1.01	Ebb	Last Quarter
WESTERN HEAD	2021-09-01 11:00	25.4	0	31	17	1.11	Flood	Last Quarter
WESTERN HEAD	2021-09-01 12:00	25.4	0	30	16	1.25	Flood	Last Quarter
WESTERN HEAD	2021-09-01 13:00	25.9	0	28	20	1.52	High	Last Quarter
WESTERN HEAD	2021-09-01 14:00	26.1	0	26	20	1.6	High	Last Quarter
WESTERN HEAD	2021-09-01 15:00	25.1	0	27	20	1.73	High	Last Quarter
WESTERN HEAD	2021-09-01 16:00	23	0	25	14	1.64	High	Last Quarter
WESTERN HEAD	2021-09-01 17:00	21.9	0	27	14	1.55	High	Last Quarter
WESTERN HEAD	2021-09-01 18:00	19.5	0	25	9	1.4	High	Last Quarter
WESTERN HEAD	2021-09-01 19:00	18.8	0	27	11	1.21	Ebb	Last Quarter
WESTERN HEAD	2021-09-01 20:00	16.5	0	25	6	0.99	Ebb	Last Quarter
WESTERN HEAD	2021-09-01 21:00	16.3	0	25	10	0.82	Ebb	Last Quarter
WESTERN HEAD	2021-09-01 22:00	16.5	0	27	7	0.66	Low	Last Quarter
WESTERN HEAD	2021-09-01 23:00	15.5	0	23	8	0.73	Low	Last Quarter
WESTERN HEAD	2021-09-02 0:00	15	0	17	3	0.86	Flood	Last Quarter
WESTERN HEAD	2021-09-02 1:00	15.3	0	24	10	1.09	Flood	Last Quarter
WESTERN HEAD	2021-09-02 2:00	15.1	0	24	6	1.3	High	Last Quarter
WESTERN HEAD	2021-09-02 3:00	14.9	0	1	5	1.49	High	Last Quarter
WESTERN HEAD	2021-09-02 4:00	14.9	0	4	3	1.5	High	Last Quarter
WESTERN HEAD	2021-09-02 5:00	14.9	0	4	5	1.58	High	Last Quarter
WESTERN HEAD	2021-09-02 6:00	16	0	7	14	1.41	High	Last Quarter
WESTERN HEAD	2021-09-02 7:00	17.3	0	9	22	1.43	High	Last Quarter
WESTERN HEAD	2021-09-02 8:00	17.7	0	10	32	1.14	Ebb	Last Quarter
WESTERN HEAD	2021-09-02 9:00	17.9	0.3	11	46	1.14	Ebb	Last Quarter
WESTERN HEAD	2021-09-02 10:00	19.1	0.2	14	48	0.95	Ebb	Last Quarter
WESTERN HEAD	2021-09-02 11:00	19.6	1.9	15	49	1.09	Flood	Last Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-09-02 12:00	20.3	0.6	16	41	1.21	Flood	Last Quarter
WESTERN HEAD	2021-09-02 13:00	20.9	0	17	47	1.37	High	Last Quarter
WESTERN HEAD	2021-09-02 14:00	21.2	0	17	45	1.65	High	Last Quarter
WESTERN HEAD	2021-09-02 15:00	20.5	0	17	45	1.76	High	Last Quarter
WESTERN HEAD	2021-09-02 16:00	20.1	0	18	44	1.87	High	Last Quarter
WESTERN HEAD	2021-09-02 17:00	20.3	0.2	18	48	1.8	High	Last Quarter
WESTERN HEAD	2021-09-02 18:00	18.5	0	21	29	1.78	High	Last Quarter
WESTERN HEAD	2021-09-02 19:00	16.4	0	21	37	1.57	High	Last Quarter
WESTERN HEAD	2021-09-02 20:00	14.3	0	21	32	1.38	High	Last Quarter
WESTERN HEAD	2021-09-02 21:00	15.5	0	22	19	1.05	Ebb	Last Quarter
WESTERN HEAD	2021-09-02 22:00	15.2	0	25	23	0.86	Ebb	Last Quarter
WESTERN HEAD	2021-09-02 23:00	15.2	0	25	24	0.7	Low	Last Quarter
WESTERN HEAD	2021-09-03 0:00	15.2	0	25	23	0.78	Low	Last Quarter
WESTERN HEAD	2021-09-03 1:00	15.3	0	25	21	0.76	Low	Last Quarter
WESTERN HEAD	2021-09-03 2:00	15.3	0	26	18	1.11	Flood	Last Quarter
WESTERN HEAD	2021-09-03 3:00	15.2	0	26	16	1.22	Flood	Last Quarter
WESTERN HEAD	2021-09-03 4:00	15.1	0	27	15	1.47	High	Last Quarter
WESTERN HEAD	2021-09-03 5:00	14.9	0	27	11	1.43	High	Last Quarter
WESTERN HEAD	2021-09-03 6:00	14.4	0	27	13	1.52	High	Last Quarter
WESTERN HEAD	2021-09-03 7:00	14.5	0	26	13	1.41	High	Last Quarter
WESTERN HEAD	2021-09-03 8:00	15.4	0	27	11	1.17	Ebb	Last Quarter
WESTERN HEAD	2021-09-03 9:00	15.9	0	26	15	1.06	Ebb	Last Quarter
WESTERN HEAD	2021-09-03 10:00	16.9	0	26	16	0.84	Ebb	Last Quarter
WESTERN HEAD	2021-09-03 11:00	18.8	0	24	12	0.82	Ebb	Last Quarter
WESTERN HEAD	2021-09-03 12:00	16.6	0	24	11	0.75	Low	Last Quarter
WESTERN HEAD	2021-09-03 13:00	18.5	0	26	15	0.96	Flood	Last Quarter
WESTERN HEAD	2021-09-03 14:00	18.1	0	28	11	1.16	Flood	Last Quarter
WESTERN HEAD	2021-09-03 15:00	20.2	0	29	19	1.44	High	Last Quarter
WESTERN HEAD	2021-09-03 16:00	17.8	0	29	15	1.62	High	Last Quarter
WESTERN HEAD	2021-09-03 17:00	19.5	0	30	12	1.74	High	Last Quarter
WESTERN HEAD	2021-09-03 18:00	17.4	0	28	11	1.68	High	Last Quarter
WESTERN HEAD	2021-09-03 19:00	13.2	0	26	7	1.6	High	Last Quarter
WESTERN HEAD	2021-09-03 20:00	11.9	0	26	9	1.4	High	Last Quarter
WESTERN HEAD	2021-09-03 21:00	12.8	0	25	11	1.1	Ebb	Last Quarter
WESTERN HEAD	2021-09-03 22:00	13.4	0.2	24	16	0.89	Ebb	Last Quarter
WESTERN HEAD	2021-09-03 23:00	12.8	0	25	14	0.56	Low	Last Quarter
WESTERN HEAD	2021-09-04 0:00	13.5	0	25	12	0.53	Low	Last Quarter
WESTERN HEAD	2021-09-04 1:00	12.9	0	26	11	0.54	Low	Last Quarter
WESTERN HEAD	2021-09-04 2:00	12	0	26	11	0.77	Low	Last Quarter
WESTERN HEAD	2021-09-04 3:00	11.4	0	26	13	1.02	Flood	Last Quarter
WESTERN HEAD	2021-09-04 4:00	10	0	26	11	1.3	High	Last Quarter
WESTERN HEAD	2021-09-04 5:00	9.8	0	26	13	1.49	High	Last Quarter
WESTERN HEAD	2021-09-04 6:00	9.4	0	26	11	1.59	High	Last Quarter
WESTERN HEAD	2021-09-04 7:00	10.9	0	24	13	1.57	High	Last Quarter
WESTERN HEAD	2021-09-04 8:00	13.4	0	26	16	1.38	High	Last Quarter
WESTERN HEAD	2021-09-04 9:00	16.3	0	28	20	1.22	Ebb	Last Quarter
WESTERN HEAD	2021-09-04 10:00	16.7	0	28	23	0.92	Ebb	Last Quarter
WESTERN HEAD	2021-09-04 11:00	18.1	0	28	26	0.82	Ebb	Last Quarter
WESTERN HEAD	2021-09-04 12:00	18.2	0	29	26	0.65	Low	Last Quarter
WESTERN HEAD	2021-09-04 13:00	19.6	0	28	24	0.73	Low	Last Quarter
WESTERN HEAD	2021-09-04 14:00	19.3	0	29	24	0.86	Flood	Last Quarter
WESTERN HEAD	2021-09-04 15:00	18.3	0	30	22	1.15	Flood	Last Quarter
WESTERN HEAD	2021-09-04 16:00	17.4	0	30	24	1.46	High	Last Quarter
WESTERN HEAD	2021-09-04 17:00	17	0	30	18	1.64	High	Last Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-09-04 18:00	16	0	30	13	1.76	High	Last Quarter
WESTERN HEAD	2021-09-04 19:00	12.2	0	28	7	1.75	High	Last Quarter
WESTERN HEAD	2021-09-04 20:00	10.9	0	27	9	1.59	High	Last Quarter
WESTERN HEAD	2021-09-04 21:00	10.6	0	26	10	1.27	Ebb	Last Quarter
WESTERN HEAD	2021-09-04 22:00	11.1	0	27	13	0.97	Ebb	Last Quarter
WESTERN HEAD	2021-09-04 23:00	11.4	0	31	13	0.62	Low	Last Quarter
WESTERN HEAD	2021-09-05 0:00	11.5	0	32	15	0.46	Low	Last Quarter
WESTERN HEAD	2021-09-05 1:00	10.6	0	32	10	0.4	Low	Last Quarter
WESTERN HEAD	2021-09-05 2:00	8.9	0	31	6	0.48	Low	Last Quarter
WESTERN HEAD	2021-09-05 3:00	10	0	30	12	0.74	Low	Last Quarter
WESTERN HEAD	2021-09-05 4:00	9.8	0	31	12	1.12	Flood	Last Quarter
WESTERN HEAD	2021-09-05 5:00	8.4	0	25	8	1.45	High	Last Quarter
WESTERN HEAD	2021-09-05 6:00	7.2	0	27	9	1.65	High	Last Quarter
WESTERN HEAD	2021-09-05 7:00	10.8	0	25	3	1.71	High	Last Quarter
WESTERN HEAD	2021-09-05 8:00	12.6	0	18	5	1.62	High	Last Quarter
WESTERN HEAD	2021-09-05 9:00	13.5	0	15	4	1.48	High	Last Quarter
WESTERN HEAD	2021-09-05 10:00	14.4	0	20	5	1.16	Ebb	Last Quarter
WESTERN HEAD	2021-09-05 11:00	14.3	0	17	6	0.96	Ebb	Last Quarter
WESTERN HEAD	2021-09-05 12:00	16	0	16	10	0.68	Low	Last Quarter
WESTERN HEAD	2021-09-05 13:00	17	0	18	11	0.66	Low	Last Quarter
WESTERN HEAD	2021-09-05 14:00	15.6	0	17	13	0.65	Low	Last Quarter
WESTERN HEAD	2021-09-05 15:00	15.2	0	19	16	0.91	Flood	Last Quarter
WESTERN HEAD	2021-09-05 16:00	15.7	0	22	11	1.18	Flood	Last Quarter
WESTERN HEAD	2021-09-05 17:00	15.2	0	23	11	1.58	High	Last Quarter
WESTERN HEAD	2021-09-05 18:00	14.6	0	22	11	1.79	High	Last Quarter
WESTERN HEAD	2021-09-05 19:00	14.8	0	22	8	1.86	High	Last Quarter
WESTERN HEAD	2021-09-05 20:00	14.6	0	20	6	1.79	High	Last Quarter
WESTERN HEAD	2021-09-05 21:00	14.9	0	18	7	1.47	High	Last Quarter
WESTERN HEAD	2021-09-05 22:00	14.7	0	16	11	1.21	Ebb	Last Quarter
WESTERN HEAD	2021-09-05 23:00	15.3	0	18	9	0.82	Ebb	Last Quarter
WESTERN HEAD	2021-09-06 0:00	15	0	21	10	0.55	Low	Last Quarter
WESTERN HEAD	2021-09-06 1:00	14.4	0	17	13	0.32	Low	Last Quarter
WESTERN HEAD	2021-09-06 2:00	15.1	0	19	6	0.33	Low	Last Quarter
WESTERN HEAD	2021-09-06 3:00	15.3	0	16	9	0.55	Low	Last Quarter
WESTERN HEAD	2021-09-06 4:00	15.7	0	20	7	0.86	Flood	Last Quarter
WESTERN HEAD	2021-09-06 5:00	15.9	0	21	10	1.29	Flood	Last Quarter
WESTERN HEAD	2021-09-06 6:00	16.6	0	19	15	1.59	High	Last Quarter
WESTERN HEAD	2021-09-06 7:00	16	0	24	13	1.86	High	Last Quarter
WESTERN HEAD	2021-09-06 8:00	15.3	0.4	20	21	1.83	High	Last Quarter
WESTERN HEAD	2021-09-06 9:00	15.7	2.9	19	20	1.75	High	Last Quarter
WESTERN HEAD	2021-09-06 10:00	16	0.9	17	18	1.37	High	Last Quarter
WESTERN HEAD	2021-09-06 11:00	16.1	1.4	17	29	1.09	Ebb	Last Quarter
WESTERN HEAD	2021-09-06 12:00	15.3	5.1	18	22	0.81	Ebb	Last Quarter
WESTERN HEAD	2021-09-06 13:00	16	3.3	18	29	0.62	Low	Last Quarter
WESTERN HEAD	2021-09-06 14:00	15.7	0	18	22	0.58	Low	Last Quarter
WESTERN HEAD	2021-09-06 15:00	15.9	0.5	18	30	0.67	Low	Last Quarter
WESTERN HEAD	2021-09-06 16:00	16.5	0.8	18	32	0.99	Flood	Last Quarter
WESTERN HEAD	2021-09-06 17:00	15.8	0.8	18	28	1.41	High	Last Quarter
WESTERN HEAD	2021-09-06 18:00	15.3	0	23	12	1.73	High	Last Quarter
WESTERN HEAD	2021-09-06 19:00	15.5	0.2	18	29	1.95	High	Last Quarter
WESTERN HEAD	2021-09-06 20:00	14.9	0	21	24	2.02	High	Last Quarter
WESTERN HEAD	2021-09-06 21:00	15	0	21	19	1.81	High	Last Quarter
WESTERN HEAD	2021-09-06 22:00	14	0	20	15	1.53	High	New Moon
WESTERN HEAD	2021-09-06 23:00	14.5	0	24	12	1.08	Ebb	New Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-09-07 0:00	13.7	0	21	6	0.75	Low	New Moon
WESTERN HEAD	2021-09-07 1:00	13.8	0	22	9	0.47	Low	New Moon
WESTERN HEAD	2021-09-07 2:00	13.6	0	23	4	0.34	Low	New Moon
WESTERN HEAD	2021-09-07 3:00	13.4	0	22	9	0.36	Low	New Moon
WESTERN HEAD	2021-09-07 4:00	12.2	0	21	4	0.6	Low	New Moon
WESTERN HEAD	2021-09-07 5:00	11.8	0	24	8	1	Flood	New Moon
WESTERN HEAD	2021-09-07 6:00	10.8	0	23	7	1.43	High	New Moon
WESTERN HEAD	2021-09-07 7:00	13.4	0.4	22	8	1.77	High	New Moon
WESTERN HEAD	2021-09-07 8:00	14.3	0	22	8	1.87	High	New Moon
WESTERN HEAD	2021-09-07 9:00	16.2	0	23	11	1.9	High	New Moon
WESTERN HEAD	2021-09-07 10:00	17	0	22	9	1.59	High	New Moon
WESTERN HEAD	2021-09-07 11:00	18.6	0	21	13	1.28	Ebb	New Moon
WESTERN HEAD	2021-09-07 12:00	22.3	0	24	23	0.91	Ebb	New Moon
WESTERN HEAD	2021-09-07 13:00	23.5	0	26	22	0.65	Low	New Moon
WESTERN HEAD	2021-09-07 14:00	23.8	0	26	23	0.52	Low	New Moon
WESTERN HEAD	2021-09-07 15:00	23.4	0	27	25	0.46	Low	New Moon
WESTERN HEAD	2021-09-07 16:00	22.9	0	26	21	0.7	Low	New Moon
WESTERN HEAD	2021-09-07 17:00	21.9	0	26	20	0.96	Flood	New Moon
WESTERN HEAD	2021-09-07 18:00	19.7	0	26	15	1.46	High	New Moon
WESTERN HEAD	2021-09-07 19:00	15.5	0	25	10	1.76	High	New Moon
WESTERN HEAD	2021-09-07 20:00	14.4	0	25	12	2	High	New Moon
WESTERN HEAD	2021-09-07 21:00	13.7	0	25	13	1.87	High	New Moon
WESTERN HEAD	2021-09-07 22:00	14.5	0	25	14	1.66	High	New Moon
WESTERN HEAD	2021-09-07 23:00	12.7	0	25	7	1.32	High	New Moon
WESTERN HEAD	2021-09-08 0:00	12.1	0	25	9	0.89	Ebb	New Moon
WESTERN HEAD	2021-09-08 1:00	10.9	0	25	6	0.53	Low	New Moon
WESTERN HEAD	2021-09-08 2:00	10.7	0	23	8	0.24	Low	New Moon
WESTERN HEAD	2021-09-08 3:00	11.3	0	24	13	0.22	Low	New Moon
WESTERN HEAD	2021-09-08 4:00	10.7	0	21	8	0.3	Low	New Moon
WESTERN HEAD	2021-09-08 5:00	10.2	0	23	11	0.66	Low	New Moon
WESTERN HEAD	2021-09-08 6:00	10.4	0	22	9	1.09	Flood	New Moon
WESTERN HEAD	2021-09-08 7:00	11.2	0	24	11	1.52	High	New Moon
WESTERN HEAD	2021-09-08 8:00	11.7	0	21	8	1.85	High	New Moon
WESTERN HEAD	2021-09-08 9:00	13	0	22	9	1.92	High	New Moon
WESTERN HEAD	2021-09-08 10:00	14.2	0	21	7	1.8	High	New Moon
WESTERN HEAD	2021-09-08 11:00	14.1	0	20	8	1.49	High	New Moon
WESTERN HEAD	2021-09-08 12:00	16.7	0	17	10	1.04	Ebb	New Moon
WESTERN HEAD	2021-09-08 13:00	18.8	0	17	18	0.76	Low	New Moon
WESTERN HEAD	2021-09-08 14:00	17.9	0	18	21	0.45	Low	New Moon
WESTERN HEAD	2021-09-08 15:00	17.3	0	19	13	0.33	Low	New Moon
WESTERN HEAD	2021-09-08 16:00	16.9	0	19	11	0.43	Low	New Moon
WESTERN HEAD	2021-09-08 17:00	16.9	0	21	7	0.54	Low	New Moon
WESTERN HEAD	2021-09-08 18:00	17.9	0	24	8	1.08	Flood	New Moon
WESTERN HEAD	2021-09-08 19:00	15	0	18	4	1.42	High	New Moon
WESTERN HEAD	2021-09-08 20:00	14.4	0	6	3	1.85	High	New Moon
WESTERN HEAD	2021-09-08 21:00	15.9	0	24	10	1.92	High	New Moon
WESTERN HEAD	2021-09-08 22:00	14.4	0	22	13	1.87	High	New Moon
WESTERN HEAD	2021-09-08 23:00	15.6	0	22	18	1.56	High	New Moon
WESTERN HEAD	2021-09-09 0:00	14.4	0	23	7	1.14	Ebb	New Moon
WESTERN HEAD	2021-09-09 1:00	14.3	0	22	5	0.8	Low	New Moon
WESTERN HEAD	2021-09-09 2:00	13.3	0	18	3	0.43	Low	New Moon
WESTERN HEAD	2021-09-09 3:00	12.6	0	0	1	0.33	Low	New Moon
WESTERN HEAD	2021-09-09 4:00	12.8	0	36	5	0.23	Low	New Moon
WESTERN HEAD	2021-09-09 5:00	13.2	0	1	11	0.45	Low	New Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-09-09 6:00	14.2	0	1	10	0.83	Flood	New Moon
WESTERN HEAD	2021-09-09 7:00	17	0	8	6	1.29	Flood	New Moon
WESTERN HEAD	2021-09-09 8:00	16.3	0	14	18	1.78	High	New Moon
WESTERN HEAD	2021-09-09 9:00	16.6	0	15	14	1.99	High	New Moon
WESTERN HEAD	2021-09-09 10:00	18.4	0	18	27	2.03	High	New Moon
WESTERN HEAD	2021-09-09 11:00	16.9	0.2	16	16	1.73	High	New Moon
WESTERN HEAD	2021-09-09 12:00	17.3	0.3	14	11	1.46	High	New Moon
WESTERN HEAD	2021-09-09 13:00	17.2	0	18	6	0.98	Ebb	New Moon
WESTERN HEAD	2021-09-09 14:00	18.1	0	18	9	0.68	Low	New Moon
WESTERN HEAD	2021-09-09 15:00	18.9	2.3	18	10	0.45	Low	New Moon
WESTERN HEAD	2021-09-09 16:00	18.6	5.1	17	23	0.38	Low	New Moon
WESTERN HEAD	2021-09-09 17:00	16.9	0	21	16	0.45	Low	New Moon
WESTERN HEAD	2021-09-09 18:00	17.5	0.3	23	14	0.77	Low	New Moon
WESTERN HEAD	2021-09-09 19:00	17.2	0	24	10	1.12	Flood	New Moon
WESTERN HEAD	2021-09-09 20:00	16.9	0	23	11	1.58	High	New Moon
WESTERN HEAD	2021-09-09 21:00	16.8	0	23	8	1.81	High	New Moon
WESTERN HEAD	2021-09-09 22:00	17.2	0.2	24	10	2.02	High	New Moon
WESTERN HEAD	2021-09-09 23:00	15.7	0	20	4	1.79	High	New Moon
WESTERN HEAD	2021-09-10 0:00	15	0	24	3	1.52	High	New Moon
WESTERN HEAD	2021-09-10 1:00	17.3	2.6	24	8	1.06	Ebb	New Moon
WESTERN HEAD	2021-09-10 2:00	17.9	4.4	22	16	0.79	Low	New Moon
WESTERN HEAD	2021-09-10 3:00	16.5	7.4	19	16	0.49	Low	New Moon
WESTERN HEAD	2021-09-10 4:00	16.4	0	22	14	0.39	Low	New Moon
WESTERN HEAD	2021-09-10 5:00	16.9	0	17	32	0.37	Low	New Moon
WESTERN HEAD	2021-09-10 6:00	16.7	0	17	27	0.64	Low	New Moon
WESTERN HEAD	2021-09-10 7:00	17	0	17	26	1.01	Flood	New Moon
WESTERN HEAD	2021-09-10 8:00	17	0	17	24	1.5	High	New Moon
WESTERN HEAD	2021-09-10 9:00	18.2	0	23	23	1.9	High	New Moon
WESTERN HEAD	2021-09-10 10:00	16.8	0	20	7	2.12	High	New Moon
WESTERN HEAD	2021-09-10 11:00	18.1	0	24	8	2.02	High	New Moon
WESTERN HEAD	2021-09-10 12:00	23.8	0	33	13	1.81	High	New Moon
WESTERN HEAD	2021-09-10 13:00	25.5	0	31	14	1.38	High	New Moon
WESTERN HEAD	2021-09-10 14:00	24.3	0	30	16	0.99	Ebb	New Moon
WESTERN HEAD	2021-09-10 15:00	25.3	0	31	14	0.73	Low	New Moon
WESTERN HEAD	2021-09-10 16:00	24.2	0	30	21	0.52	Low	New Moon
WESTERN HEAD	2021-09-10 17:00	22.5	0	31	16	0.49	Low	New Moon
WESTERN HEAD	2021-09-10 18:00	19.8	0	30	15	0.56	Low	New Moon
WESTERN HEAD	2021-09-10 19:00	18.4	0	30	13	0.84	Flood	New Moon
WESTERN HEAD	2021-09-10 20:00	17.1	0	28	6	1.25	Flood	New Moon
WESTERN HEAD	2021-09-10 21:00	17.6	0	26	12	1.72	High	New Moon
WESTERN HEAD	2021-09-10 22:00	15.7	0	24	11	1.97	High	New Moon
WESTERN HEAD	2021-09-10 23:00	15.1	0	25	11	1.96	High	New Moon
WESTERN HEAD	2021-09-11 0:00	15	0	25	10	1.76	High	New Moon
WESTERN HEAD	2021-09-11 1:00	14.8	0	25	10	1.4	High	New Moon
WESTERN HEAD	2021-09-11 2:00	14.8	0	26	12	1.08	Ebb	New Moon
WESTERN HEAD	2021-09-11 3:00	15.6	0	28	16	0.77	Low	New Moon
WESTERN HEAD	2021-09-11 4:00	14.5	0	28	10	0.56	Low	New Moon
WESTERN HEAD	2021-09-11 5:00	13.5	0	26	12	0.42	Low	New Moon
WESTERN HEAD	2021-09-11 6:00	12.9	0	27	16	0.46	Low	New Moon
WESTERN HEAD	2021-09-11 7:00	13.3	0	28	14	0.6	Low	New Moon
WESTERN HEAD	2021-09-11 8:00	15.3	0	28	16	0.97	Flood	New Moon
WESTERN HEAD	2021-09-11 9:00	17.2	0	29	18	1.38	High	New Moon
WESTERN HEAD	2021-09-11 10:00	19	0	29	18	1.79	High	New Moon
WESTERN HEAD	2021-09-11 11:00	20	0	27	22	2.1	High	New Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-09-11 12:00	21.2	0	29	20	1.9	High	New Moon
WESTERN HEAD	2021-09-11 13:00	21.8	0	27	23	1.54	High	New Moon
WESTERN HEAD	2021-09-11 14:00	22.3	0	27	18	0.85	Ebb	New Moon
WESTERN HEAD	2021-09-11 15:00	21.7	0	27	22	0.67	Low	New Moon
WESTERN HEAD	2021-09-11 16:00	21.2	0	27	20	0.45	Low	New Moon
WESTERN HEAD	2021-09-11 17:00	19.8	0	26	17	0.5	Low	New Moon
WESTERN HEAD	2021-09-11 18:00	17.2	0	26	14	0.25	Low	New Moon
WESTERN HEAD	2021-09-11 19:00	14	0	26	11	0.34	Low	New Moon
WESTERN HEAD	2021-09-11 20:00	10.5	0	24	7	0.48	Low	New Moon
WESTERN HEAD	2021-09-11 21:00	10.6	0	23	10	1.09	Flood	New Moon
WESTERN HEAD	2021-09-11 22:00	11	0	24	10	1.52	High	New Moon
WESTERN HEAD	2021-09-11 23:00	12.4	0	22	11	1.75	High	New Moon
WESTERN HEAD	2021-09-12 0:00	12.1	0	22	13	1.67	High	New Moon
WESTERN HEAD	2021-09-12 1:00	11.9	0	22	11	1.39	High	New Moon
WESTERN HEAD	2021-09-12 2:00	11.5	0	23	9	1.18	Ebb	New Moon
WESTERN HEAD	2021-09-12 3:00	11.6	0	22	8	0.94	Ebb	New Moon
WESTERN HEAD	2021-09-12 4:00	11.8	0	23	10	0.81	Ebb	New Moon
WESTERN HEAD	2021-09-12 5:00	12.5	0	22	14	0.57	Low	New Moon
WESTERN HEAD	2021-09-12 6:00	11.9	0	23	9	0.42	Low	New Moon
WESTERN HEAD	2021-09-12 7:00	13.2	0	21	10	0.46	Low	New Moon
WESTERN HEAD	2021-09-12 8:00	14.4	0.2	21	17	0.78	Low	New Moon
WESTERN HEAD	2021-09-12 9:00	15.4	0	20	23	1.3	High	New Moon
WESTERN HEAD	2021-09-12 10:00	16.2	0	20	29	1.75	High	New Moon
WESTERN HEAD	2021-09-12 11:00	16.8	0	20	31	1.98	High	New Moon
WESTERN HEAD	2021-09-12 12:00	17.1	0	20	37	1.97	High	New Moon
WESTERN HEAD	2021-09-12 13:00	17.3	0	20	36	1.78	High	New Moon
WESTERN HEAD	2021-09-12 14:00	17.1	0	20	36	1.54	High	New Moon
WESTERN HEAD	2021-09-12 15:00	16.9	0	20	35	1.29	Ebb	New Moon
WESTERN HEAD	2021-09-12 16:00	16.5	0	21	30	1	Ebb	New Moon
WESTERN HEAD	2021-09-12 17:00	16.9	0	22	23	0.7	Low	New Moon
WESTERN HEAD	2021-09-12 18:00	16.4	0	22	31	0.49	Low	New Moon
WESTERN HEAD	2021-09-12 19:00	15.4	0	22	26	0.35	Low	New Moon
WESTERN HEAD	2021-09-12 20:00	14.8	0	22	21	0.49	Low	New Moon
WESTERN HEAD	2021-09-12 21:00	13.4	0	20	19	0.78	Low	New Moon
WESTERN HEAD	2021-09-12 22:00	13.1	0	21	16	1.19	Flood	New Moon
WESTERN HEAD	2021-09-12 23:00	12.8	0	21	13	1.49	High	New Moon
WESTERN HEAD	2021-09-13 0:00	12.6	0	22	12	1.64	High	New Moon
WESTERN HEAD	2021-09-13 1:00	12.5	0	23	7	1.63	High	New Moon
WESTERN HEAD	2021-09-13 2:00	13.9	0	23	10	1.43	High	New Moon
WESTERN HEAD	2021-09-13 3:00	15.6	0	23	11	1.16	Ebb	New Moon
WESTERN HEAD	2021-09-13 4:00	13.4	0	24	8	0.89	Ebb	New Moon
WESTERN HEAD	2021-09-13 5:00	14.5	0	29	7	0.68	Low	New Moon
WESTERN HEAD	2021-09-13 6:00	15.7	0	31	7	0.61	Low	New Moon
WESTERN HEAD	2021-09-13 7:00	12.3	0	21	8	0.54	Low	New Moon
WESTERN HEAD	2021-09-13 8:00	13.5	0	23	6	0.63	Low	New Moon
WESTERN HEAD	2021-09-13 9:00	16.7	0	0	1	0.83	Flood	New Moon
WESTERN HEAD	2021-09-13 10:00	14.6	0	20	2	1.2	Flood	New Moon
WESTERN HEAD	2021-09-13 11:00	14.6	2.1	20	7	1.58	High	New Moon
WESTERN HEAD	2021-09-13 12:00	17.3	2	17	3	1.9	High	New Moon
WESTERN HEAD	2021-09-13 13:00	15.5	0	19	12	1.9	High	New Moon
WESTERN HEAD	2021-09-13 14:00	15.4	0	20	14	1.79	High	New Moon
WESTERN HEAD	2021-09-13 15:00	16.2	0	20	12	1.38	High	New Moon
WESTERN HEAD	2021-09-13 16:00	17.5	0	23	11	1.19	Ebb	New Moon
WESTERN HEAD	2021-09-13 17:00	20	0	31	18	0.93	Ebb	New Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-09-13 18:00	17.6	0	31	12	0.71	Low	First Quarter
WESTERN HEAD	2021-09-13 19:00	13	0	29	8	0.55	Low	First Quarter
WESTERN HEAD	2021-09-13 20:00	11.5	0	28	7	0.39	Low	First Quarter
WESTERN HEAD	2021-09-13 21:00	12.4	0	28	10	0.43	Low	First Quarter
WESTERN HEAD	2021-09-13 22:00	12.9	0	28	14	0.75	Low	First Quarter
WESTERN HEAD	2021-09-13 23:00	11.9	0	27	11	1.14	Flood	First Quarter
WESTERN HEAD	2021-09-14 0:00	10.2	0	27	10	1.55	High	First Quarter
WESTERN HEAD	2021-09-14 1:00	10.7	0	28	11	1.64	High	First Quarter
WESTERN HEAD	2021-09-14 2:00	12	0	29	12	1.62	High	First Quarter
WESTERN HEAD	2021-09-14 3:00	12.5	0	30	15	1.51	High	First Quarter
WESTERN HEAD	2021-09-14 4:00	12.3	0	30	15	1.21	Ebb	First Quarter
WESTERN HEAD	2021-09-14 5:00	12.6	0	31	17	1.14	Ebb	First Quarter
WESTERN HEAD	2021-09-14 6:00	12.3	0	31	17	0.91	Ebb	First Quarter
WESTERN HEAD	2021-09-14 7:00	12.8	0	31	17	0.83	Ebb	First Quarter
WESTERN HEAD	2021-09-14 8:00	14.6	0	31	19	0.7	Low	First Quarter
WESTERN HEAD	2021-09-14 9:00	17.1	0	31	14	0.76	Low	First Quarter
WESTERN HEAD	2021-09-14 10:00	18.8	0	30	15	0.97	Flood	First Quarter
WESTERN HEAD	2021-09-14 11:00	20.1	0	32	15	1.37	High	First Quarter
WESTERN HEAD	2021-09-14 12:00	21	0	30	14	1.65	High	First Quarter
WESTERN HEAD	2021-09-14 13:00	20.8	0	30	19	1.84	High	First Quarter
WESTERN HEAD	2021-09-14 14:00	21.6	0	30	14	1.86	High	First Quarter
WESTERN HEAD	2021-09-14 15:00	20.8	0	29	17	1.7	High	First Quarter
WESTERN HEAD	2021-09-14 16:00	20.5	0	29	14	1.53	High	First Quarter
WESTERN HEAD	2021-09-14 17:00	19.2	0	30	12	1.27	Ebb	First Quarter
WESTERN HEAD	2021-09-14 18:00	15	0	31	9	0.98	Ebb	First Quarter
WESTERN HEAD	2021-09-14 19:00	12.7	0	31	12	0.72	Low	First Quarter
WESTERN HEAD	2021-09-14 20:00	12.2	0	33	12	0.47	Low	First Quarter
WESTERN HEAD	2021-09-14 21:00	11.4	0	32	12	0.41	Low	First Quarter
WESTERN HEAD	2021-09-14 22:00	10.8	0	34	9	0.5	Low	First Quarter
WESTERN HEAD	2021-09-14 23:00	10.3	0	33	10	0.83	Flood	First Quarter
WESTERN HEAD	2021-09-15 0:00	10.5	0	35	9	1.13	Flood	First Quarter
WESTERN HEAD	2021-09-15 1:00	10.7	0	35	10	1.46	High	First Quarter
WESTERN HEAD	2021-09-15 2:00	10.7	0	36	8	1.61	High	First Quarter
WESTERN HEAD	2021-09-15 3:00	11.3	0	36	8	1.63	High	First Quarter
WESTERN HEAD	2021-09-15 4:00	11.7	0	2	7	1.53	High	First Quarter
WESTERN HEAD	2021-09-15 5:00	13.2	0	10	17	1.38	High	First Quarter
WESTERN HEAD	2021-09-15 6:00	13.7	0	12	20	1.24	Ebb	First Quarter
WESTERN HEAD	2021-09-15 7:00	14.3	0	16	12	0.96	Ebb	First Quarter
WESTERN HEAD	2021-09-15 8:00	15	0	17	14	0.84	Ebb	First Quarter
WESTERN HEAD	2021-09-15 9:00	15.9	0	17	17	0.68	Low	First Quarter
WESTERN HEAD	2021-09-15 10:00	16.3	0	18	15	0.72	Low	First Quarter
WESTERN HEAD	2021-09-15 11:00	17.5	0	18	16	0.91	Flood	First Quarter
WESTERN HEAD	2021-09-15 12:00	17.4	0	18	19	1.28	Flood	First Quarter
WESTERN HEAD	2021-09-15 13:00	18.1	0	18	24	1.55	High	First Quarter
WESTERN HEAD	2021-09-15 14:00	17	0	17	27	1.72	High	First Quarter
WESTERN HEAD	2021-09-15 15:00	16.6	0	17	24	1.79	High	First Quarter
WESTERN HEAD	2021-09-15 16:00	17	0	16	23	1.63	High	First Quarter
WESTERN HEAD	2021-09-15 17:00	16.2	0	17	22	1.55	High	First Quarter
WESTERN HEAD	2021-09-15 18:00	16.2	0	21	15	1.29	Ebb	First Quarter
WESTERN HEAD	2021-09-15 19:00	17.1	0	22	22	1.03	Ebb	First Quarter
WESTERN HEAD	2021-09-15 20:00	16.3	0	24	20	0.81	Ebb	First Quarter
WESTERN HEAD	2021-09-15 21:00	16.9	0	24	21	0.5	Low	First Quarter
WESTERN HEAD	2021-09-15 22:00	16.6	0	23	22	0.45	Low	First Quarter
WESTERN HEAD	2021-09-15 23:00	15.7	0	20	22	0.48	Low	First Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-09-16 0:00	15.2	0	20	23	0.84	Flood	First Quarter
WESTERN HEAD	2021-09-16 1:00	15.2	0	20	18	1.16	Flood	First Quarter
WESTERN HEAD	2021-09-16 2:00	14.1	0	23	14	1.45	High	First Quarter
WESTERN HEAD	2021-09-16 3:00	13.9	0	23	13	1.56	High	First Quarter
WESTERN HEAD	2021-09-16 4:00	13.8	0	20	20	1.57	High	First Quarter
WESTERN HEAD	2021-09-16 5:00	13.4	0	25	11	1.53	High	First Quarter
WESTERN HEAD	2021-09-16 6:00	13.7	0	26	9	1.42	High	First Quarter
WESTERN HEAD	2021-09-16 7:00	13.7	0	21	5	1.16	Ebb	First Quarter
WESTERN HEAD	2021-09-16 8:00	15.7	0	26	5	0.92	Ebb	First Quarter
WESTERN HEAD	2021-09-16 9:00	14.6	0	19	9	0.76	Low	First Quarter
WESTERN HEAD	2021-09-16 10:00	19.3	0	28	8		Low	First Quarter
WESTERN HEAD	2021-09-16 11:00	20.1	0	23	2		Low	First Quarter
WESTERN HEAD	2021-09-16 12:00	21.1	0	34	3	0.69	Low	First Quarter
WESTERN HEAD	2021-09-16 13:00	16.1	0.2	19	18	1.13	Flood	First Quarter
WESTERN HEAD	2021-09-16 14:00	19.1	0	24	9	1.44	High	First Quarter
WESTERN HEAD	2021-09-16 15:00	18.7	0	17	7	1.51	High	First Quarter
WESTERN HEAD	2021-09-16 16:00	19.8	0	24	8	1.8	High	First Quarter
WESTERN HEAD	2021-09-16 17:00	19.5	0	24	6	1.52	High	First Quarter
WESTERN HEAD	2021-09-16 18:00	16.8	0	19	5	1.64	High	First Quarter
WESTERN HEAD	2021-09-16 19:00	15.2	0	20	6	1.19	Ebb	First Quarter
WESTERN HEAD	2021-09-16 20:00	13.9	0	16	4	1.05	Ebb	First Quarter
WESTERN HEAD	2021-09-16 21:00	13.5	0	35	3	0.62	Low	First Quarter
WESTERN HEAD	2021-09-16 22:00	12.9	0	1	3	0.47	Low	First Quarter
WESTERN HEAD	2021-09-16 23:00	14.6	0	36	8	0.36	Low	First Quarter
WESTERN HEAD	2021-09-17 0:00	14.5	0	5	8	0.3	Low	First Quarter
WESTERN HEAD	2021-09-17 1:00	14.7	0	5	4	0.76	Low	First Quarter
WESTERN HEAD	2021-09-17 2:00	14.9	0	35	3	0.9	Flood	First Quarter
WESTERN HEAD	2021-09-17 3:00	15.3	0	2	2	1.43	High	First Quarter
WESTERN HEAD	2021-09-17 4:00	15.1	0	4	4	1.5	High	First Quarter
WESTERN HEAD	2021-09-17 5:00	14.9	0	3	4	1.59	High	First Quarter
WESTERN HEAD	2021-09-17 6:00	15	0	36	5	1.51	High	First Quarter
WESTERN HEAD	2021-09-17 7:00	15.7	0	36	4	1.45	High	First Quarter
WESTERN HEAD	2021-09-17 8:00	15.5	0	11	7	1.17	Ebb	First Quarter
WESTERN HEAD	2021-09-17 9:00	15.9	0	4	4	1.03	Ebb	First Quarter
WESTERN HEAD	2021-09-17 10:00	16.5	0	1	5	0.65	Low	First Quarter
WESTERN HEAD	2021-09-17 11:00	17.1	0	1	6	0.62	Low	First Quarter
WESTERN HEAD	2021-09-17 12:00	18.9	0	6	5	0.51	Low	First Quarter
WESTERN HEAD	2021-09-17 13:00	19.2	0	6	5	0.75	Low	First Quarter
WESTERN HEAD	2021-09-17 14:00	18.6	0	2	4	1.06	Flood	First Quarter
WESTERN HEAD	2021-09-17 15:00	18.4	0	2	5	1.38	High	First Quarter
WESTERN HEAD	2021-09-17 16:00	17.5	0	4	5	1.66	High	First Quarter
WESTERN HEAD	2021-09-17 17:00	16.7	0	4	4	1.77	High	First Quarter
WESTERN HEAD	2021-09-17 18:00	16.2	0	3	5	1.65	High	First Quarter
WESTERN HEAD	2021-09-17 19:00	15.7	0	2	6	1.56	High	First Quarter
WESTERN HEAD	2021-09-17 20:00	15.8	0	4	8	1.25	Ebb	First Quarter
WESTERN HEAD	2021-09-17 21:00	15.8	0	9	5	0.94	Ebb	First Quarter
WESTERN HEAD	2021-09-17 22:00	16.6	0.3	9	4	0.62	Low	First Quarter
WESTERN HEAD	2021-09-17 23:00	16.4	0	4	4	0.36	Low	First Quarter
WESTERN HEAD	2021-09-18 0:00	16.6	0	2	7	0.23	Low	First Quarter
WESTERN HEAD	2021-09-18 1:00	16.9	0	4	5	0.36	Low	First Quarter
WESTERN HEAD	2021-09-18 2:00	16.8	0	3	6	0.6	Low	First Quarter
WESTERN HEAD	2021-09-18 3:00	17	0	4	6	1	Flood	First Quarter
WESTERN HEAD	2021-09-18 4:00	16.8	0	1	8	1.35	High	First Quarter
WESTERN HEAD	2021-09-18 5:00	17	0	1	8	1.63	High	First Quarter

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Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-09-18 6:00	17.2	0	1	8	1.7	High	First Quarter
WESTERN HEAD	2021-09-18 7:00	17.3	0	2	8	1.68	High	First Quarter
WESTERN HEAD	2021-09-18 8:00	17.5	0	2	7	1.46	High	First Quarter
WESTERN HEAD	2021-09-18 9:00	17.8	0	2	9	1.2	Ebb	First Quarter
WESTERN HEAD	2021-09-18 10:00	17.9	0	2	8	0.88	Ebb	First Quarter
WESTERN HEAD	2021-09-18 11:00	18.4	0	2	6	0.69	Low	First Quarter
WESTERN HEAD	2021-09-18 12:00	18.8	0	36	7	0.51	Low	First Quarter
WESTERN HEAD	2021-09-18 13:00	18.6	0.7	6	6	0.52	Low	First Quarter
WESTERN HEAD	2021-09-18 14:00	18.8	1	2	8	0.75	Low	First Quarter
WESTERN HEAD	2021-09-18 15:00	19.8	0.9	4	5	1.06	Flood	First Quarter
WESTERN HEAD	2021-09-18 16:00	18	0	6	9	1.45	High	First Quarter
WESTERN HEAD	2021-09-18 17:00	18	0	36	6	1.74	High	First Quarter
WESTERN HEAD	2021-09-18 18:00	18.6	0	35	6	1.88	High	First Quarter
WESTERN HEAD	2021-09-18 19:00	18.1	0	2	5	1.84	High	First Quarter
WESTERN HEAD	2021-09-18 20:00	18	0	1	5	1.62	High	First Quarter
WESTERN HEAD	2021-09-18 21:00	17.4	0	5	7	1.32	High	First Quarter
WESTERN HEAD	2021-09-18 22:00	16.9	0	2	5	0.93	Ebb	First Quarter
WESTERN HEAD	2021-09-18 23:00	18	0.2	36	8	0.69	Low	First Quarter
WESTERN HEAD	2021-09-19 0:00	17.9	0	1	4	0.38	Low	First Quarter
WESTERN HEAD	2021-09-19 1:00	17.4	0	4	6	0.42	Low	First Quarter
WESTERN HEAD	2021-09-19 2:00	17.7	0	35	11	0.46	Low	First Quarter
WESTERN HEAD	2021-09-19 3:00	18.2	0	34	12	0.88	Flood	First Quarter
WESTERN HEAD	2021-09-19 4:00	18.1	0	35	9	1.3	High	First Quarter
WESTERN HEAD	2021-09-19 5:00	16.9	0	36	7	1.63	High	First Quarter
WESTERN HEAD	2021-09-19 6:00	16.2	0	35	11	1.88	High	First Quarter
WESTERN HEAD	2021-09-19 7:00	15.4	0	35	16	1.91	High	First Quarter
WESTERN HEAD	2021-09-19 8:00	15.6	0	36	17	1.83	High	First Quarter
WESTERN HEAD	2021-09-19 9:00	17.1	0	36	16	1.6	High	First Quarter
WESTERN HEAD	2021-09-19 10:00	18.1	0	35	20	1.31	High	First Quarter
WESTERN HEAD	2021-09-19 11:00	14.7	1.2	34	17	1.02	Ebb	First Quarter
WESTERN HEAD	2021-09-19 12:00	19	0.2	35	17	0.73	Low	First Quarter
WESTERN HEAD	2021-09-19 13:00	20.7	0	36	17	0.65	Low	First Quarter
WESTERN HEAD	2021-09-19 14:00	21.6	0	34	22	0.66	Low	First Quarter
WESTERN HEAD	2021-09-19 15:00	21.8	0	34	19	0.9	Flood	First Quarter
WESTERN HEAD	2021-09-19 16:00	20.8	0	34	18	1.28	Flood	First Quarter
WESTERN HEAD	2021-09-19 17:00	19.1	0	36	16	1.67	High	First Quarter
WESTERN HEAD	2021-09-19 18:00	17	0	35	15	1.99	High	First Quarter
WESTERN HEAD	2021-09-19 19:00	15.3	0	35	13	2.08	High	First Quarter
WESTERN HEAD	2021-09-19 20:00	13.1	0	33	11	1.97	High	First Quarter
WESTERN HEAD	2021-09-19 21:00	12.7	0	33	14	1.64	High	First Quarter
WESTERN HEAD	2021-09-19 22:00	11.1	0	32	13	1.34	High	First Quarter
WESTERN HEAD	2021-09-19 23:00	9.5	0	33	10	0.94	Ebb	First Quarter
WESTERN HEAD	2021-09-20 0:00	8.7	0	33	12	0.62	Low	First Quarter
WESTERN HEAD	2021-09-20 1:00	8.6	0	33	17	0.51	Low	First Quarter
WESTERN HEAD	2021-09-20 2:00	8.2	0	33	14	0.36	Low	First Quarter
WESTERN HEAD	2021-09-20 3:00	8.3	0	33	12	0.64	Low	First Quarter
WESTERN HEAD	2021-09-20 4:00	8	0	33	13	0.88	Flood	First Quarter
WESTERN HEAD	2021-09-20 5:00	7.5	0	33	11	1.39	High	First Quarter
WESTERN HEAD	2021-09-20 6:00	8.1	0	32	16	1.72	High	First Quarter
WESTERN HEAD	2021-09-20 7:00	9.4	0	33	14	1.95	High	First Quarter
WESTERN HEAD	2021-09-20 8:00	12.7	0	33	11	1.97	High	First Quarter
WESTERN HEAD	2021-09-20 9:00	16.1	0	36	7	1.77	High	First Quarter
WESTERN HEAD	2021-09-20 10:00	18.6	0	6	7	1.51	High	First Quarter
WESTERN HEAD	2021-09-20 11:00	18.6	0	7	9	1.1	Ebb	First Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-09-20 12:00	19.1	0	9	13	0.87	Ebb	First Quarter
WESTERN HEAD	2021-09-20 13:00	19.7	0	11	11	0.6	Low	First Quarter
WESTERN HEAD	2021-09-20 14:00	18.8	0	15	13	0.55	Low	First Quarter
WESTERN HEAD	2021-09-20 15:00	18.5	0	15	13	0.5	Low	First Quarter
WESTERN HEAD	2021-09-20 16:00	17.8	0	18	12	0.83	Flood	First Quarter
WESTERN HEAD	2021-09-20 17:00	16.8	0	22	15	1.23	Flood	First Quarter
WESTERN HEAD	2021-09-20 18:00	15.3	0	21	13	1.62	High	First Quarter
WESTERN HEAD	2021-09-20 19:00	14.8	0	23	15	1.87	High	First Quarter
WESTERN HEAD	2021-09-20 20:00	14.1	0	23	12	1.96	High	First Quarter
WESTERN HEAD	2021-09-20 21:00	11.2	0	25	10	1.74	High	Full Moon
WESTERN HEAD	2021-09-20 22:00	10.5	0	25	12	1.46	High	Full Moon
WESTERN HEAD	2021-09-20 23:00	8.6	0	35	2	1.08	Ebb	Full Moon
WESTERN HEAD	2021-09-21 0:00	8.6	0	31	1	0.73	Low	Full Moon
WESTERN HEAD	2021-09-21 1:00	8	0	24	2	0.48	Low	Full Moon
WESTERN HEAD	2021-09-21 2:00	8	0	0	1	0.3	Low	Full Moon
WESTERN HEAD	2021-09-21 3:00	8.3	0		0	0.34	Low	Full Moon
WESTERN HEAD	2021-09-21 4:00	7.5	0		0	0.58	Low	Full Moon
WESTERN HEAD	2021-09-21 5:00	7.7	0	26	4	0.95	Flood	Full Moon
WESTERN HEAD	2021-09-21 6:00	7.3	0		0	1.41	High	Full Moon
WESTERN HEAD	2021-09-21 7:00	8.6	0		0	1.71	High	Full Moon
WESTERN HEAD	2021-09-21 8:00	14	0	2	2	1.94	High	Full Moon
WESTERN HEAD	2021-09-21 9:00	16.5	0	10	3	1.83	High	Full Moon
WESTERN HEAD	2021-09-21 10:00	17.3	0	14	4	1.6	High	Full Moon
WESTERN HEAD	2021-09-21 11:00	18.5	0	15	8	1.22	Ebb	Full Moon
WESTERN HEAD	2021-09-21 12:00	19.4	0	18	14	0.83	Ebb	Full Moon
WESTERN HEAD	2021-09-21 13:00	19.6	0	18	13	0.59	Low	Full Moon
WESTERN HEAD	2021-09-21 14:00	19	0	18	14	0.41	Low	Full Moon
WESTERN HEAD	2021-09-21 15:00	19	0	18	17	0.36	Low	Full Moon
WESTERN HEAD	2021-09-21 16:00	18.4	0	18	15	0.46	Low	Full Moon
WESTERN HEAD	2021-09-21 17:00	17.6	0	18	17	0.77	Low	Full Moon
WESTERN HEAD	2021-09-21 18:00	16.5	0	19	17	1.18	Flood	Full Moon
WESTERN HEAD	2021-09-21 19:00	16.1	0	19	15	1.61	High	Full Moon
WESTERN HEAD	2021-09-21 20:00	16.2	0	18	19	1.76	High	Full Moon
WESTERN HEAD	2021-09-21 21:00	16.2	0	19	18	1.78	High	Full Moon
WESTERN HEAD	2021-09-21 22:00	15.1	0	22	10	1.54	High	Full Moon
WESTERN HEAD	2021-09-21 23:00	12.8	0	25	8	1.21	Ebb	Full Moon
WESTERN HEAD	2021-09-22 0:00	11.4	0	25	7	0.82	Ebb	Full Moon
WESTERN HEAD	2021-09-22 1:00	11	0	26	7	0.51	Low	Full Moon
WESTERN HEAD	2021-09-22 2:00	10.6	0	23	4	0.31	Low	Full Moon
WESTERN HEAD	2021-09-22 3:00	11.4	0	23	5	0.24	Low	Full Moon
WESTERN HEAD	2021-09-22 4:00	10.3	0	24	5	0.34	Low	Full Moon
WESTERN HEAD	2021-09-22 5:00	11.4	0	28	4	0.63	Low	Full Moon
WESTERN HEAD	2021-09-22 6:00	12.1	0		0	1.07	Flood	Full Moon
WESTERN HEAD	2021-09-22 7:00	13.3	0		0	1.47	High	Full Moon
WESTERN HEAD	2021-09-22 8:00	16	0	23	5	1.83	High	Full Moon
WESTERN HEAD	2021-09-22 9:00	17.8	0	22	6	1.9	High	Full Moon
WESTERN HEAD	2021-09-22 10:00	19.4	0	18	8	1.77	High	Full Moon
WESTERN HEAD	2021-09-22 11:00	19.9	0	17	17	1.47	High	Full Moon
WESTERN HEAD	2021-09-22 12:00	20.4	0	18	19	1.09	Ebb	Full Moon
WESTERN HEAD	2021-09-22 13:00	20.5	0	18	16	0.79	Low	Full Moon
WESTERN HEAD	2021-09-22 14:00	20.2	0	18	15	0.57	Low	Full Moon
WESTERN HEAD	2021-09-22 15:00	19.9	0	19	12	0.44	Low	Full Moon
WESTERN HEAD	2021-09-22 16:00	19.2	0	20	10	0.48	Low	Full Moon
WESTERN HEAD	2021-09-22 17:00	18.6	0	20	8	0.68	Low	Full Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-09-22 18:00	17	0	22	8	1.01	Flood	Full Moon
WESTERN HEAD	2021-09-22 19:00	14.8	0	22	6	1.4	High	Full Moon
WESTERN HEAD	2021-09-22 20:00	14	0	24	4	1.71	High	Full Moon
WESTERN HEAD	2021-09-22 21:00	14.4	0	24	4	1.85	High	Full Moon
WESTERN HEAD	2021-09-22 22:00	14.9	0	23	4	1.79	High	Full Moon
WESTERN HEAD	2021-09-22 23:00	14.4	0	23	4	1.52	High	Full Moon
WESTERN HEAD	2021-09-23 0:00	13.7	0	23	6	1.13	Ebb	Full Moon
WESTERN HEAD	2021-09-23 1:00	14.8	0	22	8	0.77	Low	Full Moon
WESTERN HEAD	2021-09-23 2:00	14.4	0	24	9	0.51	Low	Full Moon
WESTERN HEAD	2021-09-23 3:00	13	0	25	6	0.44	Low	Full Moon
WESTERN HEAD	2021-09-23 4:00	12.7	0	36	2	0.42	Low	Full Moon
WESTERN HEAD	2021-09-23 5:00	11.5	0	2	3	0.6	Low	Full Moon
WESTERN HEAD	2021-09-23 6:00	12.3	0	4	4	0.88	Flood	Full Moon
WESTERN HEAD	2021-09-23 7:00	14.4	0	4	5	1.32	High	Full Moon
WESTERN HEAD	2021-09-23 8:00	16.5	0	4	3	1.68	High	Full Moon
WESTERN HEAD	2021-09-23 9:00	18.7	0	4	3	1.91	High	Full Moon
WESTERN HEAD	2021-09-23 10:00	20.6	0	11	4	1.88	High	Full Moon
WESTERN HEAD	2021-09-23 11:00	20.4	0	17	6	1.67	High	Full Moon
WESTERN HEAD	2021-09-23 12:00	20.9	0	17	7	1.31	High	Full Moon
WESTERN HEAD	2021-09-23 13:00	20.7	0	20	7	0.96	Ebb	Full Moon
WESTERN HEAD	2021-09-23 14:00	20.7	0	17	8	0.67	Low	Full Moon
WESTERN HEAD	2021-09-23 15:00	20.7	0	17	12	0.49	Low	Full Moon
WESTERN HEAD	2021-09-23 16:00	20.1	0	18	13	0.44	Low	Full Moon
WESTERN HEAD	2021-09-23 17:00	19.5	0	21	9	0.54	Low	Full Moon
WESTERN HEAD	2021-09-23 18:00	18.2	0	23	11	0.75	Low	Full Moon
WESTERN HEAD	2021-09-23 19:00	17.6	0	22	9	1.13	Flood	Full Moon
WESTERN HEAD	2021-09-23 20:00	17.5	0	23	11	1.47	High	Full Moon
WESTERN HEAD	2021-09-23 21:00	16.1	0	23	7	1.72	High	Full Moon
WESTERN HEAD	2021-09-23 22:00	15.3	0	23	2	1.82	High	Full Moon
WESTERN HEAD	2021-09-23 23:00	17.1	0	21	8	1.63	High	Full Moon
WESTERN HEAD	2021-09-24 0:00	16.9	0	20	7	1.37	High	Full Moon
WESTERN HEAD	2021-09-24 1:00	15.3	0	1	5	0.98	Ebb	Full Moon
WESTERN HEAD	2021-09-24 2:00	14.5	0	1	2	0.71	Low	Full Moon
WESTERN HEAD	2021-09-24 3:00	15.7	0.2	36	9	0.57	Low	Full Moon
WESTERN HEAD	2021-09-24 4:00	14.9	0	1	7	0.51	Low	Full Moon
WESTERN HEAD	2021-09-24 5:00	14.9	0	1	9	0.58	Low	Full Moon
WESTERN HEAD	2021-09-24 6:00	15.3	0	1	8	0.77	Low	Full Moon
WESTERN HEAD	2021-09-24 7:00	16.1	0	1	6	1.13	Flood	Full Moon
WESTERN HEAD	2021-09-24 8:00	17.4	0	2	7	1.47	High	Full Moon
WESTERN HEAD	2021-09-24 9:00	18.8	0	4	5	1.74	High	Full Moon
WESTERN HEAD	2021-09-24 10:00	19.3	0	5	6	1.87	High	Full Moon
WESTERN HEAD	2021-09-24 11:00	20.4	0	6	7	1.74	High	Full Moon
WESTERN HEAD	2021-09-24 12:00	22.5	0	7	9	1.52	High	Full Moon
WESTERN HEAD	2021-09-24 13:00	23.7	0	6	8	1.1	Ebb	Full Moon
WESTERN HEAD	2021-09-24 14:00	23.1	0	6	7	0.83	Ebb	Full Moon
WESTERN HEAD	2021-09-24 15:00	23.6	0.2	10	10	0.58	Low	Full Moon
WESTERN HEAD	2021-09-24 16:00	20.6	0	11	14	0.5	Low	Full Moon
WESTERN HEAD	2021-09-24 17:00	19.4	0	11	12	0.51	Low	Full Moon
WESTERN HEAD	2021-09-24 18:00	19	0	12	16	0.62	Low	Full Moon
WESTERN HEAD	2021-09-24 19:00	18.8	0	11	20	0.93	Flood	Full Moon
WESTERN HEAD	2021-09-24 20:00	18.7	0	13	22	1.22	Flood	Full Moon
WESTERN HEAD	2021-09-24 21:00	18.9	0	14	17	1.61	High	Full Moon
WESTERN HEAD	2021-09-24 22:00	18.8	0	14	22	1.75	High	Full Moon
WESTERN HEAD	2021-09-24 23:00	18.7	0	14	20	1.81	High	Full Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-09-25 0:00	18.6	0	14	22	1.59	High	Full Moon
WESTERN HEAD	2021-09-25 1:00	18.6	0	14	21	1.24	Ebb	Full Moon
WESTERN HEAD	2021-09-25 2:00	18.6	0	14	21	0.94	Ebb	Full Moon
WESTERN HEAD	2021-09-25 3:00	18.6	0	14	24	0.73	Low	Full Moon
WESTERN HEAD	2021-09-25 4:00	18.6	0	14	23	0.68	Low	Full Moon
WESTERN HEAD	2021-09-25 5:00	18.6	0	14	21	0.62	Low	Full Moon
WESTERN HEAD	2021-09-25 6:00	18.7	0	14	24	0.77	Low	Full Moon
WESTERN HEAD	2021-09-25 7:00	18.7	0	14	22	0.91	Flood	Full Moon
WESTERN HEAD	2021-09-25 8:00	19	0	13	22	1.3	High	Full Moon
WESTERN HEAD	2021-09-25 9:00	19.4	0	14	24	1.55	High	Full Moon
WESTERN HEAD	2021-09-25 10:00	20.2	0	14	24	1.8	High	Full Moon
WESTERN HEAD	2021-09-25 11:00	20.4	0	14	22	1.84	High	Full Moon
WESTERN HEAD	2021-09-25 12:00	20.5	0	14	21	1.66	High	Full Moon
WESTERN HEAD	2021-09-25 13:00	21.4	0	13	23	1.36	High	Full Moon
WESTERN HEAD	2021-09-25 14:00	20.8	0	14	24	1.01	Ebb	Full Moon
WESTERN HEAD	2021-09-25 15:00	20.9	0	14	17	0.75	Low	Full Moon
WESTERN HEAD	2021-09-25 16:00	20.5	0	13	16	0.63	Low	Full Moon
WESTERN HEAD	2021-09-25 17:00	19.7	0	13	19	0.56	Low	Full Moon
WESTERN HEAD	2021-09-25 18:00	18.7	0	13	21	0.63	Low	Full Moon
WESTERN HEAD	2021-09-25 19:00	18.5	0	12	20	0.74	Low	Full Moon
WESTERN HEAD	2021-09-25 20:00	18.6	0	12	19	1.07	Flood	Full Moon
WESTERN HEAD	2021-09-25 21:00	18.8	0	13	20	1.34	High	Full Moon
WESTERN HEAD	2021-09-25 22:00	18.8	0	12	21	1.65	High	Full Moon
WESTERN HEAD	2021-09-25 23:00	18.8	0	12	21	1.72	High	Full Moon
WESTERN HEAD	2021-09-26 0:00	18.7	0	11	13	1.72	High	Full Moon
WESTERN HEAD	2021-09-26 1:00	18.8	0	11	16	1.45	High	Full Moon
WESTERN HEAD	2021-09-26 2:00	18.8	0	10	16	1.21	Ebb	Full Moon
WESTERN HEAD	2021-09-26 3:00	18.9	0.3	12	24	0.96	Ebb	Full Moon
WESTERN HEAD	2021-09-26 4:00	18.7	0	11	20	0.88	Ebb	Full Moon
WESTERN HEAD	2021-09-26 5:00	18.7	0	11	21	0.79	Low	Full Moon
WESTERN HEAD	2021-09-26 6:00	19	0.4	11	29	0.85	Flood	Full Moon
WESTERN HEAD	2021-09-26 7:00	18.9	0.4	12	26	1	Flood	Full Moon
WESTERN HEAD	2021-09-26 8:00	19	6.8	10	26	1.26	Flood	Full Moon
WESTERN HEAD	2021-09-26 9:00	19	28.2	9	35	1.53	High	Full Moon
WESTERN HEAD	2021-09-26 10:00	19.8	0.5	13	49	1.84	High	Full Moon
WESTERN HEAD	2021-09-26 11:00	19.8	0	13	45	2.03	High	Full Moon
WESTERN HEAD	2021-09-26 12:00	19.8	0	14	42	1.94	High	Full Moon
WESTERN HEAD	2021-09-26 13:00	19.6	0.4	14	43	1.76	High	Full Moon
WESTERN HEAD	2021-09-26 14:00	19.6	0	16	36	1.46	High	Full Moon
WESTERN HEAD	2021-09-26 15:00	18.8	0	20	29	1.17	Ebb	Full Moon
WESTERN HEAD	2021-09-26 16:00	18.4	0	20	29	0.98	Ebb	Full Moon
WESTERN HEAD	2021-09-26 17:00	18.4	0	20	26	0.83	Ebb	Full Moon
WESTERN HEAD	2021-09-26 18:00	18	0	21	16	0.79	Low	Full Moon
WESTERN HEAD	2021-09-26 19:00	17.5	0	19	25	0.82	Flood	Full Moon
WESTERN HEAD	2021-09-26 20:00	17.6	0	22	11	0.98	Flood	Full Moon
WESTERN HEAD	2021-09-26 21:00	16.8	0	25	11	1.23	Flood	Full Moon
WESTERN HEAD	2021-09-26 22:00	16.4	0	26	12	1.5	High	Full Moon
WESTERN HEAD	2021-09-26 23:00	16	0.5	28	14	1.68	High	Full Moon
WESTERN HEAD	2021-09-27 0:00	15.2	0	26	11	1.74	High	Full Moon
WESTERN HEAD	2021-09-27 1:00	14.6	0	27	13	1.61	High	Full Moon
WESTERN HEAD	2021-09-27 2:00	13.6	0	27	11	1.38	High	Full Moon
WESTERN HEAD	2021-09-27 3:00	13	0	28	9	1.13	Ebb	Full Moon
WESTERN HEAD	2021-09-27 4:00	12.5	0	28	14	0.98	Ebb	Full Moon
WESTERN HEAD	2021-09-27 5:00	11.9	0	27	13	0.94	Ebb	Full Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-09-27 6:00	11.5	0	27	11	0.89	Ebb	Full Moon
WESTERN HEAD	2021-09-27 7:00	12.3	0	27	11	0.93	Flood	Full Moon
WESTERN HEAD	2021-09-27 8:00	14.3	0	27	10	1.07	Flood	Full Moon
WESTERN HEAD	2021-09-27 9:00	16.6	0	25	15	1.27	Flood	Full Moon
WESTERN HEAD	2021-09-27 10:00	18.8	0	26	16	1.55	High	Full Moon
WESTERN HEAD	2021-09-27 11:00	19.7	0	26	19	1.72	High	Full Moon
WESTERN HEAD	2021-09-27 12:00	19.1	0	27	19	1.81	High	Full Moon
WESTERN HEAD	2021-09-27 13:00	20.7	0	25	22	1.72	High	Full Moon
WESTERN HEAD	2021-09-27 14:00	20.9	0	25	24	1.52	High	Full Moon
WESTERN HEAD	2021-09-27 15:00	20.6	0	26	25	1.19	Ebb	Full Moon
WESTERN HEAD	2021-09-27 16:00	19.7	0	25	20	1.01	Ebb	Full Moon
WESTERN HEAD	2021-09-27 17:00	17.9	0	21	24	0.8	Low	Full Moon
WESTERN HEAD	2021-09-27 18:00	16.6	0	21	27	0.76	Low	Full Moon
WESTERN HEAD	2021-09-27 19:00	16.2	0	22	25	0.7	Low	Full Moon
WESTERN HEAD	2021-09-27 20:00	16.8	0	21	23	0.78	Low	Full Moon
WESTERN HEAD	2021-09-27 21:00	17.3	0	21	25	0.96	Flood	Full Moon
WESTERN HEAD	2021-09-27 22:00	17.4	0	21	25	1.19	Flood	Full Moon
WESTERN HEAD	2021-09-27 23:00	17.5	0	22	23	1.42	High	Full Moon
WESTERN HEAD	2021-09-28 0:00	17.7	0	22	21	1.56	High	Full Moon
WESTERN HEAD	2021-09-28 1:00	17.3	0	21	24	1.53	High	Full Moon
WESTERN HEAD	2021-09-28 2:00	17.2	0	22	17	1.43	High	Full Moon
WESTERN HEAD	2021-09-28 3:00	17.2	0	21	16	1.26	Ebb	Full Moon
WESTERN HEAD	2021-09-28 4:00	17.3	0	22	19	1.07	Ebb	Full Moon
WESTERN HEAD	2021-09-28 5:00	17.2	0	23	14	0.98	Ebb	Full Moon
WESTERN HEAD	2021-09-28 6:00	17.2	0	22	16	0.86	Ebb	Full Moon
WESTERN HEAD	2021-09-28 7:00	17.3	0	22	16	0.87	Flood	Full Moon
WESTERN HEAD	2021-09-28 8:00	17.9	0	22	17	0.92	Flood	Full Moon
WESTERN HEAD	2021-09-28 9:00	18.8	0	23	16	1.09	Flood	Full Moon
WESTERN HEAD	2021-09-28 10:00	18.1	0	20	18	1.3	High	Full Moon
WESTERN HEAD	2021-09-28 11:00	18.6	0	20	12	1.49	High	Full Moon
WESTERN HEAD	2021-09-28 12:00	18.6	0	20	17	1.61	High	Full Moon
WESTERN HEAD	2021-09-28 13:00	18.3	0	20	19	1.66	High	Full Moon
WESTERN HEAD	2021-09-28 14:00	18	0	20	23	1.55	High	Full Moon
WESTERN HEAD	2021-09-28 15:00	17.8	0	20	29	1.38	High	Full Moon
WESTERN HEAD	2021-09-28 16:00	17.6	2.7	21	12	1.15	Ebb	Full Moon
WESTERN HEAD	2021-09-28 17:00	17.3	6	20	11	1	Ebb	Full Moon
WESTERN HEAD	2021-09-28 18:00	16.8	2	23	13	0.88	Ebb	Full Moon
WESTERN HEAD	2021-09-28 19:00	16.8	0	24	7	0.78	Low	Full Moon
WESTERN HEAD	2021-09-28 20:00	16.9	0	23	10	0.71	Low	Full Moon
WESTERN HEAD	2021-09-28 21:00	16.7	0.6	29	4	0.83	Flood	Full Moon
WESTERN HEAD	2021-09-28 22:00	16.5	0.5	10	1	1.05	Flood	Full Moon
WESTERN HEAD	2021-09-28 23:00	16.5	0.2		0	1.33	High	Last Quarter
WESTERN HEAD	2021-09-29 0:00	17.1	2.5	20	8	1.48	High	Last Quarter
WESTERN HEAD	2021-09-29 1:00	17.1	2.1	20	10	1.56	High	Last Quarter
WESTERN HEAD	2021-09-29 2:00	17.1	0.2	23	14	1.54	High	Last Quarter
WESTERN HEAD	2021-09-29 3:00	14.1	1.2	35	12	1.51	High	Last Quarter
WESTERN HEAD	2021-09-29 4:00	14.1	0	1	9	1.34	High	Last Quarter
WESTERN HEAD	2021-09-29 5:00	13.2	0.2	32	9	1.16	Ebb	Last Quarter
WESTERN HEAD	2021-09-29 6:00	13.2	0	34	13	1.1	Ebb	Last Quarter
WESTERN HEAD	2021-09-29 7:00	13.7	0	34	13	0.98	Ebb	Last Quarter
WESTERN HEAD	2021-09-29 8:00	14.1	0	36	10	0.98	Ebb	Last Quarter
WESTERN HEAD	2021-09-29 9:00	14.4	0	2	8	1	Flood	Last Quarter
WESTERN HEAD	2021-09-29 10:00	14.6	0	1	10	1.14	Flood	Last Quarter
WESTERN HEAD	2021-09-29 11:00	14.8	0	36	12	1.35	High	Last Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-09-29 12:00	15.3	0	4	9	1.52	High	Last Quarter
WESTERN HEAD	2021-09-29 13:00	16.6	0	3	8	1.58	High	Last Quarter
WESTERN HEAD	2021-09-29 14:00	16.5	0	4	10	1.59	High	Last Quarter
WESTERN HEAD	2021-09-29 15:00	16.1	0	2	6	1.43	High	Last Quarter
WESTERN HEAD	2021-09-29 16:00	15.8	0	3	5	1.41	High	Last Quarter
WESTERN HEAD	2021-09-29 17:00	15.5	0	1	6	1.17	Ebb	Last Quarter
WESTERN HEAD	2021-09-29 18:00	15.3	0	1	6	1.09	Ebb	Last Quarter
WESTERN HEAD	2021-09-29 19:00	14.8	0	36	10	0.83	Ebb	Last Quarter
WESTERN HEAD	2021-09-29 20:00	14.5	0	36	10	0.77	Low	Last Quarter
WESTERN HEAD	2021-09-29 21:00	14.1	0	36	10	0.78	Low	Last Quarter
WESTERN HEAD	2021-09-29 22:00	13.6	0	35	10	0.88	Flood	Last Quarter
WESTERN HEAD	2021-09-29 23:00	13.3	0	35	11	1.11	Flood	Last Quarter
WESTERN HEAD	2021-09-30 0:00	13.1	0	1	7	1.3	High	Last Quarter
WESTERN HEAD	2021-09-30 1:00	11	0	31	10	1.49	High	Last Quarter
WESTERN HEAD	2021-09-30 2:00	10.3	0	30	12	1.57	High	Last Quarter
WESTERN HEAD	2021-09-30 3:00	10.4	0	30	13	1.58	High	Last Quarter
WESTERN HEAD	2021-09-30 4:00	10.1	0	32	10	1.49	High	Last Quarter
WESTERN HEAD	2021-09-30 5:00	11.1	0	31	12	1.4	High	Last Quarter
WESTERN HEAD	2021-09-30 6:00	11.5	0	31	13	1.28	Ebb	Last Quarter
WESTERN HEAD	2021-09-30 7:00	11.3	0	31	11	1.16	Ebb	Last Quarter
WESTERN HEAD	2021-09-30 8:00	13.5	0	31	10	1.01	Ebb	Last Quarter
WESTERN HEAD	2021-09-30 9:00	13.7	0	33	12	0.98	Ebb	Last Quarter
WESTERN HEAD	2021-09-30 10:00	16.7	0	33	10	1.06	Flood	Last Quarter
WESTERN HEAD	2021-09-30 11:00	17.8	0	11	4	1.16	Flood	Last Quarter
WESTERN HEAD	2021-09-30 12:00	17	0	18	14	1.38	High	Last Quarter
WESTERN HEAD	2021-09-30 13:00	18.3	0	18	13	1.51	High	Last Quarter
WESTERN HEAD	2021-09-30 14:00	16.6	0	20	19	1.59	High	Last Quarter
WESTERN HEAD	2021-09-30 15:00	16.2	0	20	26	1.59	High	Last Quarter
WESTERN HEAD	2021-09-30 16:00	16.4	0	21	22	1.52	High	Last Quarter
WESTERN HEAD	2021-09-30 17:00	16	0	24	16	1.43	High	Last Quarter
WESTERN HEAD	2021-09-30 18:00	14.3	0	25	16	1.21	Ebb	Last Quarter
WESTERN HEAD	2021-09-30 19:00	12	0	30	12	1.07	Ebb	Last Quarter
WESTERN HEAD	2021-09-30 20:00	11.4	0	30	7	0.78	Low	Last Quarter
WESTERN HEAD	2021-09-30 21:00	11.1	0	26	6	0.75	Low	Last Quarter
WESTERN HEAD	2021-09-30 22:00	10.4	0	27	4	0.69	Low	Last Quarter
WESTERN HEAD	2021-09-30 23:00	10.6	0	29	7	0.84	Flood	Last Quarter
WESTERN HEAD	2021-10-01 0:00	10.1	0	29	11	1.05	Flood	Last Quarter
WESTERN HEAD	2021-10-01 1:00	9.3	0	29	10	1.23	Flood	Last Quarter
WESTERN HEAD	2021-10-01 2:00	9.4	0	29	13	1.44	High	Last Quarter
WESTERN HEAD	2021-10-01 3:00	9	0	29	12	1.52	High	Last Quarter
WESTERN HEAD	2021-10-01 4:00	9	0	30	12	1.53	High	Last Quarter
WESTERN HEAD	2021-10-01 5:00	8.7	0	30	12	1.48	High	Last Quarter
WESTERN HEAD	2021-10-01 6:00	8.4	0	30	12	1.37	High	Last Quarter
WESTERN HEAD	2021-10-01 7:00	9	0	30	12	1.22	Ebb	Last Quarter
WESTERN HEAD	2021-10-01 8:00	11.4	0	26	7	1.05	Ebb	Last Quarter
WESTERN HEAD	2021-10-01 9:00	13.2	0	29	12	0.95	Ebb	Last Quarter
WESTERN HEAD	2021-10-01 10:00	15	0	28	13	0.83	Ebb	Last Quarter
WESTERN HEAD	2021-10-01 11:00	15.7	0	24	12	0.95	Flood	Last Quarter
WESTERN HEAD	2021-10-01 12:00	17	0	19	14	1.04	Flood	Last Quarter
WESTERN HEAD	2021-10-01 13:00	15.8	0	20	14	1.32	High	Last Quarter
WESTERN HEAD	2021-10-01 14:00	15.9	0	19	17	1.4	High	Last Quarter
WESTERN HEAD	2021-10-01 15:00	15.3	0	20	14	1.62	High	Last Quarter
WESTERN HEAD	2021-10-01 16:00	16	0	20	13	1.53	High	Last Quarter
WESTERN HEAD	2021-10-01 17:00	14.5	0	27	12	1.62	High	Last Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-10-01 18:00	12.6	0	27	12	1.38	High	Last Quarter
WESTERN HEAD	2021-10-01 19:00	12.1	0	25	13	1.25	Ebb	Last Quarter
WESTERN HEAD	2021-10-01 20:00	11.1	0	26	11	0.93	Ebb	Last Quarter
WESTERN HEAD	2021-10-01 21:00	10	0	26	9	0.74	Low	Last Quarter
WESTERN HEAD	2021-10-01 22:00	8.9	0	26	9	0.67	Low	Last Quarter
WESTERN HEAD	2021-10-01 23:00	9.4	0	27	11	0.64	Low	Last Quarter
WESTERN HEAD	2021-10-02 0:00	10	0	26	10	0.75	Low	Last Quarter
WESTERN HEAD	2021-10-02 1:00	9.9	0	27	9	0.99	Flood	Last Quarter
WESTERN HEAD	2021-10-02 2:00	9.6	0	26	11	1.2	Flood	Last Quarter
WESTERN HEAD	2021-10-02 3:00	9.6	0	26	7	1.43	High	Last Quarter
WESTERN HEAD	2021-10-02 4:00	8.8	0	26	10	1.54	High	Last Quarter
WESTERN HEAD	2021-10-02 5:00	8.1	0	27	9	1.54	High	Last Quarter
WESTERN HEAD	2021-10-02 6:00	8.4	0	25	11	1.51	High	Last Quarter
WESTERN HEAD	2021-10-02 7:00	8.7	0	26	9	1.36	High	Last Quarter
WESTERN HEAD	2021-10-02 8:00	11.7	0	24	14	1.14	Ebb	Last Quarter
WESTERN HEAD	2021-10-02 9:00	14.1	0	24	14	0.93	Ebb	Last Quarter
WESTERN HEAD	2021-10-02 10:00	16.3	0	23	17	0.78	Low	Last Quarter
WESTERN HEAD	2021-10-02 11:00	16.8	0	26	17	0.76	Low	Last Quarter
WESTERN HEAD	2021-10-02 12:00	16.8	0	26	16	0.84	Flood	Last Quarter
WESTERN HEAD	2021-10-02 13:00	15.5	0	29	10	0.98	Flood	Last Quarter
WESTERN HEAD	2021-10-02 14:00	16.3	0	25	6	1.23	Flood	Last Quarter
WESTERN HEAD	2021-10-02 15:00	16.7	0	24	16	1.42	High	Last Quarter
WESTERN HEAD	2021-10-02 16:00	16.3	0	26	9	1.6	High	Last Quarter
WESTERN HEAD	2021-10-02 17:00	15.8	0	27	6	1.63	High	Last Quarter
WESTERN HEAD	2021-10-02 18:00	12.9	0	26	10	1.59	High	Last Quarter
WESTERN HEAD	2021-10-02 19:00	10.9	0	27	9	1.39	High	Last Quarter
WESTERN HEAD	2021-10-02 20:00	10.3	0	26	7	1.14	Ebb	Last Quarter
WESTERN HEAD	2021-10-02 21:00	10.5	0	29	11	0.84	Ebb	Last Quarter
WESTERN HEAD	2021-10-02 22:00	9.4	0	30	11	0.62	Low	Last Quarter
WESTERN HEAD	2021-10-02 23:00	9.9	0	31	13	0.52	Low	Last Quarter
WESTERN HEAD	2021-10-03 0:00	9.6	0	32	12	0.53	Low	Last Quarter
WESTERN HEAD	2021-10-03 1:00	9	0	34	7	0.69	Low	Last Quarter
WESTERN HEAD	2021-10-03 2:00	9.3	0	35	6	0.99	Flood	Last Quarter
WESTERN HEAD	2021-10-03 3:00	8.4	0	35	8	1.23	Flood	Last Quarter
WESTERN HEAD	2021-10-03 4:00	8.2	0	34	7	1.56	High	Last Quarter
WESTERN HEAD	2021-10-03 5:00	7.4	0	33	10	1.67	High	Last Quarter
WESTERN HEAD	2021-10-03 6:00	7.1	0	34	9	1.72	High	Last Quarter
WESTERN HEAD	2021-10-03 7:00	7.8	0	34	8	1.61	High	Last Quarter
WESTERN HEAD	2021-10-03 8:00	10.7	0	36	8	1.39	High	Last Quarter
WESTERN HEAD	2021-10-03 9:00	13.6	0	1	8	1.16	Ebb	Last Quarter
WESTERN HEAD	2021-10-03 10:00	15.5	0	5	6	0.9	Ebb	Last Quarter
WESTERN HEAD	2021-10-03 11:00	16.6	0	7	8	0.79	Low	Last Quarter
WESTERN HEAD	2021-10-03 12:00	16.4	0	9	13	0.72	Low	Last Quarter
WESTERN HEAD	2021-10-03 13:00	17.6	0	10	9	0.79	Low	Last Quarter
WESTERN HEAD	2021-10-03 14:00	18.1	0	10	11	1.05	Flood	Last Quarter
WESTERN HEAD	2021-10-03 15:00	17.4	0	11	13	1.31	High	Last Quarter
WESTERN HEAD	2021-10-03 16:00	15.3	0	13	9	1.64	High	Last Quarter
WESTERN HEAD	2021-10-03 17:00	14	0	15	8	1.77	High	Last Quarter
WESTERN HEAD	2021-10-03 18:00	13.2	0.2	18	9	1.86	High	Last Quarter
WESTERN HEAD	2021-10-03 19:00	11.5	0	20	7	1.68	High	Last Quarter
WESTERN HEAD	2021-10-03 20:00	10.9	0	19	5	1.5	High	Last Quarter
WESTERN HEAD	2021-10-03 21:00	11.4	0	33	9	1.1	Ebb	Last Quarter
WESTERN HEAD	2021-10-03 22:00	11.4	0	33	10	0.81	Ebb	Last Quarter
WESTERN HEAD	2021-10-03 23:00	10.4	0	32	10	0.54	Low	Last Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-10-04 0:00	9.9	0	34	9	0.51	Low	Last Quarter
WESTERN HEAD	2021-10-04 1:00	9.4	0	34	10	0.49	Low	Last Quarter
WESTERN HEAD	2021-10-04 2:00	7.4	0	34	8	0.71	Low	Last Quarter
WESTERN HEAD	2021-10-04 3:00	7.2	0	34	11	1.01	Flood	Last Quarter
WESTERN HEAD	2021-10-04 4:00	7.4	0	33	10	1.38	High	Last Quarter
WESTERN HEAD	2021-10-04 5:00	7	0	33	10	1.69	High	Last Quarter
WESTERN HEAD	2021-10-04 6:00	7.4	0	34	11	1.83	High	Last Quarter
WESTERN HEAD	2021-10-04 7:00	7	0	33	10	1.79	High	Last Quarter
WESTERN HEAD	2021-10-04 8:00	10	0	35	11	1.6	High	Last Quarter
WESTERN HEAD	2021-10-04 9:00	12.5	0	36	10	1.32	High	Last Quarter
WESTERN HEAD	2021-10-04 10:00	15.1	0	2	8	0.98	Ebb	Last Quarter
WESTERN HEAD	2021-10-04 11:00	17.2	0	2	7	0.75	Low	Last Quarter
WESTERN HEAD	2021-10-04 12:00	17.3	0	9	10	0.57	Low	Last Quarter
WESTERN HEAD	2021-10-04 13:00	17.1	0	12	9	0.58	Low	Last Quarter
WESTERN HEAD	2021-10-04 14:00	15.9	0	16	10	0.71	Low	Last Quarter
WESTERN HEAD	2021-10-04 15:00	16.5	0.2	16	11	0.97	Flood	Last Quarter
WESTERN HEAD	2021-10-04 16:00	16.1	0	18	13	1.39	High	Last Quarter
WESTERN HEAD	2021-10-04 17:00	14.9	0	20	17	1.65	High	Last Quarter
WESTERN HEAD	2021-10-04 18:00	13.9	0	23	15	1.88	High	Last Quarter
WESTERN HEAD	2021-10-04 19:00	9.6	0	31	9	1.86	High	Last Quarter
WESTERN HEAD	2021-10-04 20:00	7.1	0	28	7	1.66	High	Last Quarter
WESTERN HEAD	2021-10-04 21:00	5.7	0	28	7	1.34	High	Last Quarter
WESTERN HEAD	2021-10-04 22:00	7.3	0	31	9	0.99	Ebb	Last Quarter
WESTERN HEAD	2021-10-04 23:00	8.4	0	34	9	0.62	Low	Last Quarter
WESTERN HEAD	2021-10-05 0:00	8.4	0	34	9	0.45	Low	Last Quarter
WESTERN HEAD	2021-10-05 1:00	7.9	0	33	9	0.28	Low	Last Quarter
WESTERN HEAD	2021-10-05 2:00	8.3	0	33	9	0.41	Low	Last Quarter
WESTERN HEAD	2021-10-05 3:00	8	0	33	10	0.7	Low	Last Quarter
WESTERN HEAD	2021-10-05 4:00	7.9	0	33	10	1.14	Flood	Last Quarter
WESTERN HEAD	2021-10-05 5:00	7.6	0	33	9	1.52	High	Last Quarter
WESTERN HEAD	2021-10-05 6:00	7.1	0	33	11	1.81	High	Last Quarter
WESTERN HEAD	2021-10-05 7:00	8.5	0	34	10	1.87	High	Last Quarter
WESTERN HEAD	2021-10-05 8:00	11.3	0	35	7	1.84	High	Last Quarter
WESTERN HEAD	2021-10-05 9:00	14.6	0	1	6	1.54	High	Last Quarter
WESTERN HEAD	2021-10-05 10:00	16.7	0	7	3	1.23	Ebb	Last Quarter
WESTERN HEAD	2021-10-05 11:00	17.8	0	10	4	0.78	Low	Last Quarter
WESTERN HEAD	2021-10-05 12:00	17.6	0	11	5	0.58	Low	Last Quarter
WESTERN HEAD	2021-10-05 13:00	16.8	0	16	7	0.39	Low	Last Quarter
WESTERN HEAD	2021-10-05 14:00	17.1	0	15	8	0.43	Low	Last Quarter
WESTERN HEAD	2021-10-05 15:00	17.1	0	16	10	0.63	Low	Last Quarter
WESTERN HEAD	2021-10-05 16:00	16.2	0	16	7	0.95	Flood	Last Quarter
WESTERN HEAD	2021-10-05 17:00	14.9	0	19	10	1.44	High	Last Quarter
WESTERN HEAD	2021-10-05 18:00	11	0	21	6	1.72	High	Last Quarter
WESTERN HEAD	2021-10-05 19:00	8.1	0	25	7	1.93	High	Last Quarter
WESTERN HEAD	2021-10-05 20:00	8.8	0	27	9	1.81	High	Last Quarter
WESTERN HEAD	2021-10-05 21:00	9.2	0	26	11	1.61	High	Last Quarter
WESTERN HEAD	2021-10-05 22:00	9.3	0	27	12	1.24	Ebb	Last Quarter
WESTERN HEAD	2021-10-05 23:00	8.5	0	32	14	0.84	Ebb	Last Quarter
WESTERN HEAD	2021-10-06 0:00	9.6	0	31	14	0.53	Low	Last Quarter
WESTERN HEAD	2021-10-06 1:00	9.7	0	31	13	0.29	Low	Last Quarter
WESTERN HEAD	2021-10-06 2:00	10	0	31	17	0.24	Low	Last Quarter
WESTERN HEAD	2021-10-06 3:00	10.1	0	30	13	0.4	Low	Last Quarter
WESTERN HEAD	2021-10-06 4:00	9.6	0	31	17	0.81	Flood	Last Quarter
WESTERN HEAD	2021-10-06 5:00	8.7	0	31	15	1.28	Flood	Last Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-10-06 6:00	7.8	0	32	12	1.68	High	Last Quarter
WESTERN HEAD	2021-10-06 7:00	7.1	0	34	4	1.99	High	Last Quarter
WESTERN HEAD	2021-10-06 8:00	11.5	0	17	2	1.97	High	New Moon
WESTERN HEAD	2021-10-06 9:00	15.7	0	29	8	1.81	High	New Moon
WESTERN HEAD	2021-10-06 10:00	18.3	0	30	6	1.44	High	New Moon
WESTERN HEAD	2021-10-06 11:00	18.3	0	16	5	1.03	Ebb	New Moon
WESTERN HEAD	2021-10-06 12:00	19.1	0	17	9	0.65	Low	New Moon
WESTERN HEAD	2021-10-06 13:00	19.2	0	18	14	0.41	Low	New Moon
WESTERN HEAD	2021-10-06 14:00	18.7	0	19	17	0.24	Low	New Moon
WESTERN HEAD	2021-10-06 15:00	18.9	0	19	15	0.27	Low	New Moon
WESTERN HEAD	2021-10-06 16:00	17.7	0	20	20	0.6	Low	New Moon
WESTERN HEAD	2021-10-06 17:00	17	0	21	15	1.02	Flood	New Moon
WESTERN HEAD	2021-10-06 18:00	15	0	24	10	1.55	High	New Moon
WESTERN HEAD	2021-10-06 19:00	13.8	0	31	13	1.8	High	New Moon
WESTERN HEAD	2021-10-06 20:00	13.3	0	31	14	1.96	High	New Moon
WESTERN HEAD	2021-10-06 21:00	9.8	0	28	6	1.78	High	New Moon
WESTERN HEAD	2021-10-06 22:00	10.6	0	30	12	1.53	High	New Moon
WESTERN HEAD	2021-10-06 23:00	11.9	0	30	18	1.09	Ebb	New Moon
WESTERN HEAD	2021-10-07 0:00	11.6	0	31	19	0.7	Low	New Moon
WESTERN HEAD	2021-10-07 1:00	11.7	0	31	20	0.42	Low	New Moon
WESTERN HEAD	2021-10-07 2:00	11	0	31	18	0.21	Low	New Moon
WESTERN HEAD	2021-10-07 3:00	10.4	0	32	17	0.28	Low	New Moon
WESTERN HEAD	2021-10-07 4:00	10.4	0	32	16	0.48	Low	New Moon
WESTERN HEAD	2021-10-07 5:00	10	0	32	14	0.95	Flood	New Moon
WESTERN HEAD	2021-10-07 6:00	9.8	0	32	14	1.45	High	New Moon
WESTERN HEAD	2021-10-07 7:00	10.7	0	33	13	1.89	High	New Moon
WESTERN HEAD	2021-10-07 8:00	12.1	0	33	12	2.08	High	New Moon
WESTERN HEAD	2021-10-07 9:00	15.9	0	35	8	2.04	High	New Moon
WESTERN HEAD	2021-10-07 10:00	18.3	0	1	7	1.77	High	New Moon
WESTERN HEAD	2021-10-07 11:00	19	0	4	5	1.38	High	New Moon
WESTERN HEAD	2021-10-07 12:00	19.5	0	9	6	0.98	Ebb	New Moon
WESTERN HEAD	2021-10-07 13:00	19.1	0	13	9	0.58	Low	New Moon
WESTERN HEAD	2021-10-07 14:00	18.6	0	17	12	0.37	Low	New Moon
WESTERN HEAD	2021-10-07 15:00	18.2	0	19	16	0.26	Low	New Moon
WESTERN HEAD	2021-10-07 16:00	17.8	0	20	14	0.39	Low	New Moon
WESTERN HEAD	2021-10-07 17:00	16.8	0	20	15	0.8	Low	New Moon
WESTERN HEAD	2021-10-07 18:00	15.8	0	22	15	1.21	Flood	New Moon
WESTERN HEAD	2021-10-07 19:00	15.2	0	21	13	1.72	High	New Moon
WESTERN HEAD	2021-10-07 20:00	11.8	0	24	9	1.96	High	New Moon
WESTERN HEAD	2021-10-07 21:00	12.5	0	27	14	2.05	High	New Moon
WESTERN HEAD	2021-10-07 22:00	12	0	29	12	1.86	High	New Moon
WESTERN HEAD	2021-10-07 23:00	11.1	0	28	12	1.53	High	New Moon
WESTERN HEAD	2021-10-08 0:00	10	0	27	11	1.09	Ebb	New Moon
WESTERN HEAD	2021-10-08 1:00	10.7	0	28	13	0.73	Low	New Moon
WESTERN HEAD	2021-10-08 2:00	11.4	0	28	14	0.45	Low	New Moon
WESTERN HEAD	2021-10-08 3:00	11.7	0	29	15	0.31	Low	New Moon
WESTERN HEAD	2021-10-08 4:00	11.5	0	29	16	0.36	Low	New Moon
WESTERN HEAD	2021-10-08 5:00	11.6	0	29	16	0.62	Low	New Moon
WESTERN HEAD	2021-10-08 6:00	12	0	29	18	1.13	Flood	New Moon
WESTERN HEAD	2021-10-08 7:00	12	0	32	19	1.6	High	New Moon
WESTERN HEAD	2021-10-08 8:00	13.7	0	35	15	2.01	High	New Moon
WESTERN HEAD	2021-10-08 9:00	15.4	0	1	9	2.11	High	New Moon
WESTERN HEAD	2021-10-08 10:00	15.7	0	2	10	2.04	High	New Moon
WESTERN HEAD	2021-10-08 11:00	16.4	0	2	11	1.71	High	New Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-10-08 12:00	16.5	0	5	16	1.25	Ebb	New Moon
WESTERN HEAD	2021-10-08 13:00	16.6	0	6	18	0.94	Ebb	New Moon
WESTERN HEAD	2021-10-08 14:00	16.6	0	5	15	0.64	Low	New Moon
WESTERN HEAD	2021-10-08 15:00	16	0	5	16	0.44	Low	New Moon
WESTERN HEAD	2021-10-08 16:00	15.1	0	5	17	0.39	Low	New Moon
WESTERN HEAD	2021-10-08 17:00	13.9	0	4	13	0.53	Low	New Moon
WESTERN HEAD	2021-10-08 18:00	12.4	0	4	14	0.96	Flood	New Moon
WESTERN HEAD	2021-10-08 19:00	11	0	36	12	1.42	High	New Moon
WESTERN HEAD	2021-10-08 20:00	10.4	0	1	11	1.89	High	New Moon
WESTERN HEAD	2021-10-08 21:00	9.9	0	36	11	2.09	High	New Moon
WESTERN HEAD	2021-10-08 22:00	9.5	0	1	14	2.1	High	New Moon
WESTERN HEAD	2021-10-08 23:00	8.2	0	35	11	1.84	High	New Moon
WESTERN HEAD	2021-10-09 0:00	8.5	0	1	10	1.48	High	New Moon
WESTERN HEAD	2021-10-09 1:00	6	0	34	11	1.02	Ebb	New Moon
WESTERN HEAD	2021-10-09 2:00	5.7	0	34	10	0.71	Low	New Moon
WESTERN HEAD	2021-10-09 3:00	5.8	0	34	10	0.51	Low	New Moon
WESTERN HEAD	2021-10-09 4:00	6.6	0	35	12	0.42	Low	New Moon
WESTERN HEAD	2021-10-09 5:00	6.2	0	34	12	0.46	Low	New Moon
WESTERN HEAD	2021-10-09 6:00	7	0	35	11	0.73	Low	New Moon
WESTERN HEAD	2021-10-09 7:00	6.7	0	35	12	1.23	Flood	New Moon
WESTERN HEAD	2021-10-09 8:00	8.8	0	36	11	1.71	High	New Moon
WESTERN HEAD	2021-10-09 9:00	11.7	0	2	9	2.1	High	New Moon
WESTERN HEAD	2021-10-09 10:00	13.3	0	4	11	2.16	High	New Moon
WESTERN HEAD	2021-10-09 11:00	14.9	0	6	11	1.95	High	New Moon
WESTERN HEAD	2021-10-09 12:00	15.3	0	6	9	1.64	High	New Moon
WESTERN HEAD	2021-10-09 13:00	15.8	0	7	9	1.17	Ebb	New Moon
WESTERN HEAD	2021-10-09 14:00	15.3	0	10	9	0.85	Ebb	New Moon
WESTERN HEAD	2021-10-09 15:00	14.7	0	10	8	0.49	Low	New Moon
WESTERN HEAD	2021-10-09 16:00	13.9	0	12	8	0.39	Low	New Moon
WESTERN HEAD	2021-10-09 17:00	12.8	0	11	9	0.3	Low	New Moon
WESTERN HEAD	2021-10-09 18:00	9.4	0	14	5	0.49	Low	New Moon
WESTERN HEAD	2021-10-09 19:00	7.3	0	17	5	0.86	Flood	New Moon
WESTERN HEAD	2021-10-09 20:00	5.1	0	25	8	1.34	High	New Moon
WESTERN HEAD	2021-10-09 21:00	6	0	27	10	1.79	High	New Moon
WESTERN HEAD	2021-10-09 22:00	7.1	0	27	11	1.96	High	New Moon
WESTERN HEAD	2021-10-09 23:00	5.6	0	28	9	1.94	High	New Moon
WESTERN HEAD	2021-10-10 0:00	6.2	0	29	12	1.63	High	New Moon
WESTERN HEAD	2021-10-10 1:00	6.4	0	30	13	1.32	High	New Moon
WESTERN HEAD	2021-10-10 2:00	7	0	32	15	0.96	Ebb	New Moon
WESTERN HEAD	2021-10-10 3:00	6.8	0	31	15	0.79	Low	New Moon
WESTERN HEAD	2021-10-10 4:00	6.9	0	31	15	0.57	Low	New Moon
WESTERN HEAD	2021-10-10 5:00	6.5	0	31	14	0.51	Low	New Moon
WESTERN HEAD	2021-10-10 6:00	6.5	0	31	16	0.55	Low	New Moon
WESTERN HEAD	2021-10-10 7:00	7	0	32	14	0.94	Flood	New Moon
WESTERN HEAD	2021-10-10 8:00	10.5	0	32	8	1.35	High	New Moon
WESTERN HEAD	2021-10-10 9:00	13.6	0	30	8	1.82	High	New Moon
WESTERN HEAD	2021-10-10 10:00	15	0	24	7	2	High	New Moon
WESTERN HEAD	2021-10-10 11:00	15.6	0	20	11	2.07	High	New Moon
WESTERN HEAD	2021-10-10 12:00	16	0	18	15	1.83	High	New Moon
WESTERN HEAD	2021-10-10 13:00	16.1	0	18	17	1.48	High	New Moon
WESTERN HEAD	2021-10-10 14:00	15.7	0	18	17	1.1	Ebb	New Moon
WESTERN HEAD	2021-10-10 15:00	15.1	0	20	19	0.7	Low	New Moon
WESTERN HEAD	2021-10-10 16:00	14.6	0	21	20	0.49	Low	New Moon
WESTERN HEAD	2021-10-10 17:00	13.9	0	21	19	0.35	Low	New Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-10-10 18:00	13.5	0	22	21	0.29	Low	New Moon
WESTERN HEAD	2021-10-10 19:00	12.8	0	24	14	0.51	Low	New Moon
WESTERN HEAD	2021-10-10 20:00	11	0	26	10	0.87	Flood	New Moon
WESTERN HEAD	2021-10-10 21:00	10.7	0	28	12	1.37	High	New Moon
WESTERN HEAD	2021-10-10 22:00	10	0	29	12	1.7	High	New Moon
WESTERN HEAD	2021-10-10 23:00	9.8	0	31	12	1.91	High	New Moon
WESTERN HEAD	2021-10-11 0:00	9.7	0	31	11	1.8	High	New Moon
WESTERN HEAD	2021-10-11 1:00	9.1	0	29	11	1.61	High	New Moon
WESTERN HEAD	2021-10-11 2:00	9.5	0	31	13	1.3	High	New Moon
WESTERN HEAD	2021-10-11 3:00	9.8	0	30	11	1.02	Ebb	New Moon
WESTERN HEAD	2021-10-11 4:00	9.5	0	28	11	0.83	Ebb	New Moon
WESTERN HEAD	2021-10-11 5:00	8.6	0	28	4	0.7	Low	New Moon
WESTERN HEAD	2021-10-11 6:00	8.2	0	29	10	0.66	Low	New Moon
WESTERN HEAD	2021-10-11 7:00	8.6	0	28	9	0.74	Low	New Moon
WESTERN HEAD	2021-10-11 8:00	12.8	0	28	6	1.06	Flood	New Moon
WESTERN HEAD	2021-10-11 9:00	16.3	0	9	2	1.42	High	New Moon
WESTERN HEAD	2021-10-11 10:00	16.2	0	14	5	1.83	High	New Moon
WESTERN HEAD	2021-10-11 11:00	16.9	0	15	9	2.06	High	New Moon
WESTERN HEAD	2021-10-11 12:00	18	0	12	9	2.05	High	New Moon
WESTERN HEAD	2021-10-11 13:00	18.1	0	17	14	1.75	High	New Moon
WESTERN HEAD	2021-10-11 14:00	18.4	0	18	17	1.47	High	New Moon
WESTERN HEAD	2021-10-11 15:00	18.1	0	19	14	1.08	Ebb	New Moon
WESTERN HEAD	2021-10-11 16:00	17.5	0	20	19	0.9	Ebb	New Moon
WESTERN HEAD	2021-10-11 17:00	16.4	0	21	18	0.61	Low	New Moon
WESTERN HEAD	2021-10-11 18:00	15.7	0	21	16	0.49	Low	New Moon
WESTERN HEAD	2021-10-11 19:00	14.9	0	24	14	0.44	Low	New Moon
WESTERN HEAD	2021-10-11 20:00	13.1	0	26	11	0.62	Low	New Moon
WESTERN HEAD	2021-10-11 21:00	12.5	0	30	12	1.02	Flood	New Moon
WESTERN HEAD	2021-10-11 22:00	12.2	0	31	17	1.38	High	New Moon
WESTERN HEAD	2021-10-11 23:00	11.5	0	30	14	1.73	High	New Moon
WESTERN HEAD	2021-10-12 0:00	11.4	0	30	18	1.85	High	New Moon
WESTERN HEAD	2021-10-12 1:00	11.4	0	30	21	1.82	High	New Moon
WESTERN HEAD	2021-10-12 2:00	11.4	0	30	20	1.59	High	New Moon
WESTERN HEAD	2021-10-12 3:00	11.7	0	30	19	1.33	High	New Moon
WESTERN HEAD	2021-10-12 4:00	11.7	0	30	20	1.17	Ebb	New Moon
WESTERN HEAD	2021-10-12 5:00	11.9	0	30	20	0.95	Ebb	New Moon
WESTERN HEAD	2021-10-12 6:00	12.4	0	31	22	0.89	Ebb	New Moon
WESTERN HEAD	2021-10-12 7:00	13.2	0	30	19	0.73	Low	New Moon
WESTERN HEAD	2021-10-12 8:00	14.8	0	30	18	0.83	Flood	New Moon
WESTERN HEAD	2021-10-12 9:00	17.3	0	31	10	1.09	Flood	New Moon
WESTERN HEAD	2021-10-12 10:00	20.1	0	31	15	1.45	High	New Moon
WESTERN HEAD	2021-10-12 11:00	22.2		35	11	1.84	High	New Moon
WESTERN HEAD	2021-10-12 12:00	23.8		32	10	1.91	High	New Moon
WESTERN HEAD	2021-10-12 13:00	21.3		17	12	1.94	High	New Moon
WESTERN HEAD	2021-10-12 14:00	19.6		20	13	1.66	High	New Moon
WESTERN HEAD	2021-10-12 15:00	23.2		23	7	1.47	High	New Moon
WESTERN HEAD	2021-10-12 16:00	23.5		31	10	1.17	Ebb	New Moon
WESTERN HEAD	2021-10-12 17:00	21.3		31	8	0.93	Ebb	New Moon
WESTERN HEAD	2021-10-12 18:00	17.8		30	10	0.73	Low	New Moon
WESTERN HEAD	2021-10-12 19:00	17.7		31	12	0.52	Low	New Moon
WESTERN HEAD	2021-10-12 20:00	16.7		31	12	0.53	Low	New Moon
WESTERN HEAD	2021-10-12 21:00	17.4		31	14	0.69	Low	New Moon
WESTERN HEAD	2021-10-12 22:00	17.1		31	15	1.1	Flood	New Moon
WESTERN HEAD	2021-10-12 23:00	16.9		31	13	1.42	High	New Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-10-13 0:00	16.7		35	6	1.77	High	First Quarter
WESTERN HEAD	2021-10-13 1:00	15.7		5	3	1.78	High	First Quarter
WESTERN HEAD	2021-10-13 2:00	14.4		2	3	1.78	High	First Quarter
WESTERN HEAD	2021-10-13 3:00	14.7		30	4	1.66	High	First Quarter
WESTERN HEAD	2021-10-13 4:00	15		35	3	1.46	High	First Quarter
WESTERN HEAD	2021-10-13 5:00	15.2		4	2	1.3	High	First Quarter
WESTERN HEAD	2021-10-13 6:00	14.5		1	2	1.07	Ebb	First Quarter
WESTERN HEAD	2021-10-13 7:00	15.2		36	5	0.92	Ebb	First Quarter
WESTERN HEAD	2021-10-13 8:00	16.1		35	5	0.79	Low	First Quarter
WESTERN HEAD	2021-10-13 9:00	17.2		1	6	0.89	Flood	First Quarter
WESTERN HEAD	2021-10-13 10:00	18.7		7	6	1.12	Flood	First Quarter
WESTERN HEAD	2021-10-13 11:00	19.5		7	8	1.47	High	First Quarter
WESTERN HEAD	2021-10-13 12:00	20.3		8	7	1.75	High	First Quarter
WESTERN HEAD	2021-10-13 13:00	19.7		9	8	1.85	High	First Quarter
WESTERN HEAD	2021-10-13 14:00	19.8		10	9	1.83	High	First Quarter
WESTERN HEAD	2021-10-13 15:00	19.6		10	10	1.65	High	First Quarter
WESTERN HEAD	2021-10-13 16:00	17.7		13	9	1.49	High	First Quarter
WESTERN HEAD	2021-10-13 17:00	17.3		16	9	1.28	Ebb	First Quarter
WESTERN HEAD	2021-10-13 18:00	16.9		15	5	1.03	Ebb	First Quarter
WESTERN HEAD	2021-10-13 19:00	16.3		19	5	0.78	Low	First Quarter
WESTERN HEAD	2021-10-13 20:00	16.1		21	6	0.6	Low	First Quarter
WESTERN HEAD	2021-10-13 21:00	14.7		20	4	0.54	Low	First Quarter
WESTERN HEAD	2021-10-13 22:00	13.8		20	4	0.73	Low	First Quarter
WESTERN HEAD	2021-10-13 23:00	14.7		24	9	1.11	Flood	First Quarter
WESTERN HEAD	2021-10-14 0:00	15.2		25	11	1.39	High	First Quarter
WESTERN HEAD	2021-10-14 1:00	14.2		27	9	1.73	High	First Quarter
WESTERN HEAD	2021-10-14 2:00	13.5		25	4	1.72	High	First Quarter
WESTERN HEAD	2021-10-14 3:00	13.3		26	1	1.8	High	First Quarter
WESTERN HEAD	2021-10-14 4:00	13.7		31	2	1.66	High	First Quarter
WESTERN HEAD	2021-10-14 5:00	14		24	9	1.59	High	First Quarter
WESTERN HEAD	2021-10-14 6:00	14.3		24	8	1.36	High	First Quarter
WESTERN HEAD	2021-10-14 7:00	12.9		35	2	1.17	Ebb	First Quarter
WESTERN HEAD	2021-10-14 8:00	15.1		34	3	0.98	Ebb	First Quarter
WESTERN HEAD	2021-10-14 9:00	16.9		29	7	0.87	Ebb	First Quarter
WESTERN HEAD	2021-10-14 10:00	17.1		26	7	0.87	Ebb	First Quarter
WESTERN HEAD	2021-10-14 11:00	18.2		33	9	1.1	Flood	First Quarter
WESTERN HEAD	2021-10-14 12:00	18.6		2	5	1.46	High	First Quarter
WESTERN HEAD	2021-10-14 13:00	17		5	5	1.69	High	First Quarter
WESTERN HEAD	2021-10-14 14:00	18.3		4	4	1.82	High	First Quarter
WESTERN HEAD	2021-10-14 15:00	18.3		2	3	1.82	High	First Quarter
WESTERN HEAD	2021-10-14 16:00	19.2		36	5	1.69	High	First Quarter
WESTERN HEAD	2021-10-14 17:00	17.3		34	8	1.59	High	First Quarter
WESTERN HEAD	2021-10-14 18:00	16.4		34	9	1.34	High	First Quarter
WESTERN HEAD	2021-10-14 19:00	15.8		1	8	1.1	Ebb	First Quarter
WESTERN HEAD	2021-10-14 20:00	15		3	11	0.81	Ebb	First Quarter
WESTERN HEAD	2021-10-14 21:00	14.4		2	9	0.62	Low	First Quarter
WESTERN HEAD	2021-10-14 22:00	14.2		2	8	0.56	Low	First Quarter
WESTERN HEAD	2021-10-14 23:00	13.9		35	11	0.73	Low	First Quarter
WESTERN HEAD	2021-10-15 0:00	13.4		36	11	1.05	Flood	First Quarter
WESTERN HEAD	2021-10-15 1:00	13.5		2	9	1.41	High	First Quarter
WESTERN HEAD	2021-10-15 2:00	13.1		36	9	1.64	High	First Quarter
WESTERN HEAD	2021-10-15 3:00	13		36	8	1.81	High	First Quarter
WESTERN HEAD	2021-10-15 4:00	12.7		35	8	1.79	High	First Quarter
WESTERN HEAD	2021-10-15 5:00	12.7		35	9	1.76	High	First Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-10-15 6:00	12.6		36	6	1.56	High	First Quarter
WESTERN HEAD	2021-10-15 7:00	12.8		36	7	1.41	High	First Quarter
WESTERN HEAD	2021-10-15 8:00	13.3		1	7	1.18	Ebb	First Quarter
WESTERN HEAD	2021-10-15 9:00	13.7		2	8	0.96	Ebb	First Quarter
WESTERN HEAD	2021-10-15 10:00	15.3		2	7	0.79	Low	First Quarter
WESTERN HEAD	2021-10-15 11:00	14.9		7	9	0.88	Flood	First Quarter
WESTERN HEAD	2021-10-15 12:00	15.2		8	9	1.01	Flood	First Quarter
WESTERN HEAD	2021-10-15 13:00	17.8		9	10	1.36	High	First Quarter
WESTERN HEAD	2021-10-15 14:00	17.2		9	9	1.62	High	First Quarter
WESTERN HEAD	2021-10-15 15:00	17		12	11	1.79	High	First Quarter
WESTERN HEAD	2021-10-15 16:00	15.3		11	9	1.88	High	First Quarter
WESTERN HEAD	2021-10-15 17:00	13.9		13	9	1.76	High	First Quarter
WESTERN HEAD	2021-10-15 18:00	11.4		16	7	1.7	High	First Quarter
WESTERN HEAD	2021-10-15 19:00	9		19	4	1.4	High	First Quarter
WESTERN HEAD	2021-10-15 20:00	8.2		26	8	1.12	Ebb	First Quarter
WESTERN HEAD	2021-10-15 21:00	8.2		26	7	0.86	Ebb	First Quarter
WESTERN HEAD	2021-10-15 22:00	7.4		3	3	0.66	Low	First Quarter
WESTERN HEAD	2021-10-15 23:00	7		24	2	0.63	Low	First Quarter
WESTERN HEAD	2021-10-16 0:00	7.4		26	6	0.77	Low	First Quarter
WESTERN HEAD	2021-10-16 1:00	8.4		23	3	1.07	Flood	First Quarter
WESTERN HEAD	2021-10-16 2:00	9.1			0	1.41	High	First Quarter
WESTERN HEAD	2021-10-16 3:00	8.6		2	6	1.71	High	First Quarter
WESTERN HEAD	2021-10-16 4:00	6.9		2	6	1.91	High	First Quarter
WESTERN HEAD	2021-10-16 5:00	8.1		1	6	1.86	High	First Quarter
WESTERN HEAD	2021-10-16 6:00	8.7		2	4	1.84	High	First Quarter
WESTERN HEAD	2021-10-16 7:00	10.7		2	6	1.62	High	First Quarter
WESTERN HEAD	2021-10-16 8:00	12.7		7	2	1.47	High	First Quarter
WESTERN HEAD	2021-10-16 9:00	15.2		18	20	1.11	Ebb	First Quarter
WESTERN HEAD	2021-10-16 10:00	15.6		19	19	0.97	Ebb	First Quarter
WESTERN HEAD	2021-10-16 11:00	16.1		20	21	0.77	Low	First Quarter
WESTERN HEAD	2021-10-16 12:00	15.8		19	20	0.83	Flood	First Quarter
WESTERN HEAD	2021-10-16 13:00	15.8		19	19	1.03	Flood	First Quarter
WESTERN HEAD	2021-10-16 14:00	15.4		19	16	1.3	High	First Quarter
WESTERN HEAD	2021-10-16 15:00	15.1		17	19	1.65	High	First Quarter
WESTERN HEAD	2021-10-16 16:00	15.5		16	19	1.81	High	First Quarter
WESTERN HEAD	2021-10-16 17:00	15.6		17	23	1.93	High	First Quarter
WESTERN HEAD	2021-10-16 18:00	15.6		15	25	1.81	High	First Quarter
WESTERN HEAD	2021-10-16 19:00	15.8		16	26	1.68	High	First Quarter
WESTERN HEAD	2021-10-16 20:00	15.8		16	26	1.39	High	First Quarter
WESTERN HEAD	2021-10-16 21:00	15.8		16	26	1.1	Ebb	First Quarter
WESTERN HEAD	2021-10-16 22:00	15.9		17	29	0.83	Ebb	First Quarter
WESTERN HEAD	2021-10-16 23:00	15.8		16	27	0.65	Low	First Quarter
WESTERN HEAD	2021-10-17 0:00	15.9		16	27	0.63	Low	First Quarter
WESTERN HEAD	2021-10-17 1:00	16		16	30	0.75	Low	First Quarter
WESTERN HEAD	2021-10-17 2:00	16.1		16	29	1.1	Flood	First Quarter
WESTERN HEAD	2021-10-17 3:00	16.1		16	30	1.48	High	First Quarter
WESTERN HEAD	2021-10-17 4:00	16.2		16	32	1.87	High	First Quarter
WESTERN HEAD	2021-10-17 5:00	16.4		16	33	2.01	High	First Quarter
WESTERN HEAD	2021-10-17 6:00	16.3		16	33	2.05	High	First Quarter
WESTERN HEAD	2021-10-17 7:00	16.5		16	34	1.95	High	First Quarter
WESTERN HEAD	2021-10-17 8:00	17.1		16	35	1.73	High	First Quarter
WESTERN HEAD	2021-10-17 9:00	17.1		15	40	1.44	High	First Quarter
WESTERN HEAD	2021-10-17 10:00	17.6		16	36	1.18	Ebb	First Quarter
WESTERN HEAD	2021-10-17 11:00	17.5		16	37	0.93	Ebb	First Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-10-17 12:00	17.4		15	38	0.81	Ebb	First Quarter
WESTERN HEAD	2021-10-17 13:00	17.8		15	37	0.93	Flood	First Quarter
WESTERN HEAD	2021-10-17 14:00	17.7		15	44	1.05	Flood	First Quarter
WESTERN HEAD	2021-10-17 15:00	17.6		15	41	1.54	High	First Quarter
WESTERN HEAD	2021-10-17 16:00	17.2		17	42	1.76	High	First Quarter
WESTERN HEAD	2021-10-17 17:00	16.6		19	14	2.16	High	First Quarter
WESTERN HEAD	2021-10-17 18:00	15.5		29	12	2.1	High	First Quarter
WESTERN HEAD	2021-10-17 19:00	14.6		25	6	2.05	High	First Quarter
WESTERN HEAD	2021-10-17 20:00	15		22	13	1.75	High	First Quarter
WESTERN HEAD	2021-10-17 21:00	14.4		23	17	1.5	High	First Quarter
WESTERN HEAD	2021-10-17 22:00	13.2		25	16	1.14	Ebb	First Quarter
WESTERN HEAD	2021-10-17 23:00	12.3		26	11	0.86	Ebb	First Quarter
WESTERN HEAD	2021-10-18 0:00	12.5		26	9	0.68	Low	First Quarter
WESTERN HEAD	2021-10-18 1:00	12.3		27	11	0.63	Low	First Quarter
WESTERN HEAD	2021-10-18 2:00	12		25	10	0.87	Flood	First Quarter
WESTERN HEAD	2021-10-18 3:00	10.9		27	6	1.11	Flood	First Quarter
WESTERN HEAD	2021-10-18 4:00	9		29	6	1.58	High	First Quarter
WESTERN HEAD	2021-10-18 5:00	9.3		29	11	1.85	High	First Quarter
WESTERN HEAD	2021-10-18 6:00	9		29	13	2.12	High	First Quarter
WESTERN HEAD	2021-10-18 7:00	8.4		30	10	2.02	High	First Quarter
WESTERN HEAD	2021-10-18 8:00	10		28	8	1.93	High	First Quarter
WESTERN HEAD	2021-10-18 9:00	12.3		26	12	1.56	High	First Quarter
WESTERN HEAD	2021-10-18 10:00	13		28	19	1.29	Ebb	First Quarter
WESTERN HEAD	2021-10-18 11:00	15.2		26	19	0.98	Ebb	First Quarter
WESTERN HEAD	2021-10-18 12:00	16.2		26	18	0.85	Ebb	First Quarter
WESTERN HEAD	2021-10-18 13:00	14.6		27	15	0.74	Low	First Quarter
WESTERN HEAD	2021-10-18 14:00	17.1		25	19	0.83	Flood	First Quarter
WESTERN HEAD	2021-10-18 15:00	16.7		26	17	1.06	Flood	First Quarter
WESTERN HEAD	2021-10-18 16:00	15.6		26	17	1.44	High	First Quarter
WESTERN HEAD	2021-10-18 17:00	13.2		27	12	1.89	High	First Quarter
WESTERN HEAD	2021-10-18 18:00	10		27	10	2.07	High	First Quarter
WESTERN HEAD	2021-10-18 19:00	7.8		30	8	2.13	High	First Quarter
WESTERN HEAD	2021-10-18 20:00	8.5		28	10	1.91	High	First Quarter
WESTERN HEAD	2021-10-18 21:00	7.7		28	9	1.64	High	First Quarter
WESTERN HEAD	2021-10-18 22:00	7.2		26	10	1.31	High	First Quarter
WESTERN HEAD	2021-10-18 23:00	7.6		29	13	1.01	Ebb	First Quarter
WESTERN HEAD	2021-10-19 0:00	7.4		29	14	0.79	Low	First Quarter
WESTERN HEAD	2021-10-19 1:00	7		29	15	0.67	Low	First Quarter
WESTERN HEAD	2021-10-19 2:00	6.5		29	13	0.67	Low	First Quarter
WESTERN HEAD	2021-10-19 3:00	6.5		29	14	0.94	Flood	First Quarter
WESTERN HEAD	2021-10-19 4:00	5.9		29	12	1.28	Flood	First Quarter
WESTERN HEAD	2021-10-19 5:00	6.3		29	12	1.74	High	First Quarter
WESTERN HEAD	2021-10-19 6:00	6.2		29	13	1.98	High	First Quarter
WESTERN HEAD	2021-10-19 7:00	6.6		29	13	2.17	High	First Quarter
WESTERN HEAD	2021-10-19 8:00	7.2		30	10	2.01	High	First Quarter
WESTERN HEAD	2021-10-19 9:00	9.6		29	12	1.79	High	First Quarter
WESTERN HEAD	2021-10-19 10:00	11.7		27	15	1.45	High	First Quarter
WESTERN HEAD	2021-10-19 11:00	13.2		26	21	1.09	Ebb	First Quarter
WESTERN HEAD	2021-10-19 12:00	13.3		25	17	0.88	Ebb	First Quarter
WESTERN HEAD	2021-10-19 13:00	12.3		25	21	0.65	Low	First Quarter
WESTERN HEAD	2021-10-19 14:00	13.4		26	17	0.62	Low	First Quarter
WESTERN HEAD	2021-10-19 15:00	13.3		25	18	0.74	Low	First Quarter
WESTERN HEAD	2021-10-19 16:00	13.2		25	17	1.1	Flood	First Quarter
WESTERN HEAD	2021-10-19 17:00	9.9		27	13	1.49	High	First Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-10-19 18:00	9.1		28	10	1.88	High	First Quarter
WESTERN HEAD	2021-10-19 19:00	7.6		28	8	2.02	High	First Quarter
WESTERN HEAD	2021-10-19 20:00	7		27	9	2.04	High	First Quarter
WESTERN HEAD	2021-10-19 21:00	6.6		30	7	1.83	High	First Quarter
WESTERN HEAD	2021-10-19 22:00	5.4		28	6	1.53	High	First Quarter
WESTERN HEAD	2021-10-19 23:00	5.1		29	9	1.21	Ebb	First Quarter
WESTERN HEAD	2021-10-20 0:00	4.5		30	10	0.9	Ebb	First Quarter
WESTERN HEAD	2021-10-20 1:00	4.3		29	11	0.75	Low	First Quarter
WESTERN HEAD	2021-10-20 2:00	5.1		29	11	0.65	Low	First Quarter
WESTERN HEAD	2021-10-20 3:00	5.8		29	10	0.79	Low	First Quarter
WESTERN HEAD	2021-10-20 4:00	5.3		28	10	1.06	Flood	First Quarter
WESTERN HEAD	2021-10-20 5:00	5.6		27	9	1.44	High	First Quarter
WESTERN HEAD	2021-10-20 6:00	6.1		28	12	1.86	High	First Quarter
WESTERN HEAD	2021-10-20 7:00	6.4		28	10	2.07	High	First Quarter
WESTERN HEAD	2021-10-20 8:00	7.5		30	7	2.12	High	First Quarter
WESTERN HEAD	2021-10-20 9:00	9.9		30	11	1.94	High	First Quarter
WESTERN HEAD	2021-10-20 10:00	10.8		31	14	1.6	High	First Quarter
WESTERN HEAD	2021-10-20 11:00	11.8		32	17	1.28	Ebb	First Quarter
WESTERN HEAD	2021-10-20 12:00	12.7		29	17	0.92	Ebb	Full Moon
WESTERN HEAD	2021-10-20 13:00	12.3		31	17	0.71	Low	Full Moon
WESTERN HEAD	2021-10-20 14:00	11.5		30	18	0.53	Low	Full Moon
WESTERN HEAD	2021-10-20 15:00	11.1		31	18	0.62	Low	Full Moon
WESTERN HEAD	2021-10-20 16:00	10.8		33	10	0.79	Low	Full Moon
WESTERN HEAD	2021-10-20 17:00	10.1		32	7	1.19	Flood	Full Moon
WESTERN HEAD	2021-10-20 18:00	9.5		30	8	1.58	High	Full Moon
WESTERN HEAD	2021-10-20 19:00	9.1		28	5	1.86	High	Full Moon
WESTERN HEAD	2021-10-20 20:00	7.8		26	11	1.98	High	Full Moon
WESTERN HEAD	2021-10-20 21:00	7		28	12	1.88	High	Full Moon
WESTERN HEAD	2021-10-20 22:00	6.2		28	12	1.64	High	Full Moon
WESTERN HEAD	2021-10-20 23:00	6.1		27	10	1.25	Ebb	Full Moon
WESTERN HEAD	2021-10-21 0:00	5.7		26	8	0.96	Ebb	Full Moon
WESTERN HEAD	2021-10-21 1:00	5.1		26	8	0.71	Low	Full Moon
WESTERN HEAD	2021-10-21 2:00	4.2		27	7	0.61	Low	Full Moon
WESTERN HEAD	2021-10-21 3:00	4.8		25	7	0.6	Low	Full Moon
WESTERN HEAD	2021-10-21 4:00	6.2		30	12	0.79	Low	Full Moon
WESTERN HEAD	2021-10-21 5:00	6.2		28	11	1.09	Flood	Full Moon
WESTERN HEAD	2021-10-21 6:00	6.6		27	13	1.45	High	Full Moon
WESTERN HEAD	2021-10-21 7:00	7.2		26	11	1.83	High	Full Moon
WESTERN HEAD	2021-10-21 8:00	9.9		27	9	1.94	High	Full Moon
WESTERN HEAD	2021-10-21 9:00	12.1		23	10	1.92	High	Full Moon
WESTERN HEAD	2021-10-21 10:00	14		23	16	1.66	High	Full Moon
WESTERN HEAD	2021-10-21 11:00	15.5		22	11	1.32	High	Full Moon
WESTERN HEAD	2021-10-21 12:00	15.5		19	19	0.93	Ebb	Full Moon
WESTERN HEAD	2021-10-21 13:00	14.8		18	18	0.64	Low	Full Moon
WESTERN HEAD	2021-10-21 14:00	16.7		18	13	0.48	Low	Full Moon
WESTERN HEAD	2021-10-21 15:00	15		17	14	0.43	Low	Full Moon
WESTERN HEAD	2021-10-21 16:00	14.9		17	16	0.55	Low	Full Moon
WESTERN HEAD	2021-10-21 17:00	14.4		17	19	0.85	Flood	Full Moon
WESTERN HEAD	2021-10-21 18:00	14.7		16	18	1.21	Flood	Full Moon
WESTERN HEAD	2021-10-21 19:00	15		16	15	1.64	High	Full Moon
WESTERN HEAD	2021-10-21 20:00	15.1		15	19	1.81	High	Full Moon
WESTERN HEAD	2021-10-21 21:00	15.3		17	15	1.93	High	Full Moon
WESTERN HEAD	2021-10-21 22:00	15.3		16	23	1.73	High	Full Moon
WESTERN HEAD	2021-10-21 23:00	15.3		20	19	1.48	High	Full Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-10-22 0:00	15.2		21	20	1.13	Ebb	Full Moon
WESTERN HEAD	2021-10-22 1:00	15.1		22	11	0.88	Ebb	Full Moon
WESTERN HEAD	2021-10-22 2:00	15.4		20	15	0.72	Low	Full Moon
WESTERN HEAD	2021-10-22 3:00	15.4		20	14	0.66	Low	Full Moon
WESTERN HEAD	2021-10-22 4:00	15.2		20	11	0.76	Low	Full Moon
WESTERN HEAD	2021-10-22 5:00	14.7		21	9	0.94	Flood	Full Moon
WESTERN HEAD	2021-10-22 6:00	15.4		20	11	1.3	High	Full Moon
WESTERN HEAD	2021-10-22 7:00	15.7		19	20	1.64	High	Full Moon
WESTERN HEAD	2021-10-22 8:00	16.7		20	25	1.9	High	Full Moon
WESTERN HEAD	2021-10-22 9:00	17.1		22	20	2.02	High	Full Moon
WESTERN HEAD	2021-10-22 10:00	17.9		21	27	1.86	High	Full Moon
WESTERN HEAD	2021-10-22 11:00	18.7		21	25	1.56	High	Full Moon
WESTERN HEAD	2021-10-22 12:00	19.2		20	25	1.17	Ebb	Full Moon
WESTERN HEAD	2021-10-22 13:00	19		20	30	0.84	Ebb	Full Moon
WESTERN HEAD	2021-10-22 14:00	17.9		19	23	0.65	Low	Full Moon
WESTERN HEAD	2021-10-22 15:00	18.2		19	27	0.52	Low	Full Moon
WESTERN HEAD	2021-10-22 16:00	17.3		20	29	0.56	Low	Full Moon
WESTERN HEAD	2021-10-22 17:00	16.8		20	27	0.71	Low	Full Moon
WESTERN HEAD	2021-10-22 18:00	16.5		20	28	1.02	Flood	Full Moon
WESTERN HEAD	2021-10-22 19:00	16.3		21	19	1.36	High	Full Moon
WESTERN HEAD	2021-10-22 20:00	16.3		21	19	1.7	High	Full Moon
WESTERN HEAD	2021-10-22 21:00	16.2		22	23	1.84	High	Full Moon
WESTERN HEAD	2021-10-22 22:00	16		23	17	1.87	High	Full Moon
WESTERN HEAD	2021-10-22 23:00	16		23	18	1.55	High	Full Moon
WESTERN HEAD	2021-10-23 0:00	15.4		29	5	1.31	High	Full Moon
WESTERN HEAD	2021-10-23 1:00	15.5		19	12	0.89	Ebb	Full Moon
WESTERN HEAD	2021-10-23 2:00	15.6		17	14	0.85	Ebb	Full Moon
WESTERN HEAD	2021-10-23 3:00	15.2		22	13	0.62	Low	Full Moon
WESTERN HEAD	2021-10-23 4:00	15.1		22	12	0.75	Low	Full Moon
WESTERN HEAD	2021-10-23 5:00	15.1		20	12	0.79	Low	Full Moon
WESTERN HEAD	2021-10-23 6:00	15		22	11	1.02	Flood	Full Moon
WESTERN HEAD	2021-10-23 7:00	15		21	7	1.46	High	Full Moon
WESTERN HEAD	2021-10-23 8:00	15.3		19	10	1.66	High	Full Moon
WESTERN HEAD	2021-10-23 9:00	15.7		21	2	1.98	High	Full Moon
WESTERN HEAD	2021-10-23 10:00	16.2		16	7	1.84	High	Full Moon
WESTERN HEAD	2021-10-23 11:00	16.1		18	8	1.81	High	Full Moon
WESTERN HEAD	2021-10-23 12:00	16		19	22	1.28	Ebb	Full Moon
WESTERN HEAD	2021-10-23 13:00	16.2		20	17	1.06	Ebb	Full Moon
WESTERN HEAD	2021-10-23 14:00	15.9		20	16	0.67	Low	Full Moon
WESTERN HEAD	2021-10-23 15:00	15.7		18	19	0.65	Low	Full Moon
WESTERN HEAD	2021-10-23 16:00	15.7		20	13	0.58	Low	Full Moon
WESTERN HEAD	2021-10-23 17:00	15.5		20	15	0.68	Low	Full Moon
WESTERN HEAD	2021-10-23 18:00	14.8		20	8	0.84	Flood	Full Moon
WESTERN HEAD	2021-10-23 19:00	14.7		22	11	1.19	Flood	Full Moon
WESTERN HEAD	2021-10-23 20:00	14.5		21	13	1.49	High	Full Moon
WESTERN HEAD	2021-10-23 21:00	14.6		22	13	1.81	High	Full Moon
WESTERN HEAD	2021-10-23 22:00	14.2		26	13	1.86	High	Full Moon
WESTERN HEAD	2021-10-23 23:00	13.4		27	10	1.82	High	Full Moon
WESTERN HEAD	2021-10-24 0:00	13.7		24	12	1.51	High	Full Moon
WESTERN HEAD	2021-10-24 1:00	13.1		27	13	1.21	Ebb	Full Moon
WESTERN HEAD	2021-10-24 2:00	11.9		25	21	0.96	Ebb	Full Moon
WESTERN HEAD	2021-10-24 3:00	10.6		25	17	0.86	Ebb	Full Moon
WESTERN HEAD	2021-10-24 4:00	10.4		26	18	0.74	Low	Full Moon
WESTERN HEAD	2021-10-24 5:00	9.2		26	22	0.82	Flood	Full Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-10-24 6:00	7.8		26	17	0.88	Flood	Full Moon
WESTERN HEAD	2021-10-24 7:00	7.1		26	14	1.12	Flood	Full Moon
WESTERN HEAD	2021-10-24 8:00	8.2		27	16	1.37	High	Full Moon
WESTERN HEAD	2021-10-24 9:00	8.9		28	23	1.64	High	Full Moon
WESTERN HEAD	2021-10-24 10:00	9.6		27	23	1.79	High	Full Moon
WESTERN HEAD	2021-10-24 11:00	10.4		27	25	1.63	High	Full Moon
WESTERN HEAD	2021-10-24 12:00	12.3		25	28	1.46	High	Full Moon
WESTERN HEAD	2021-10-24 13:00	11.6		28	29	1.02	Ebb	Full Moon
WESTERN HEAD	2021-10-24 14:00	11.2		26	31	0.76	Low	Full Moon
WESTERN HEAD	2021-10-24 15:00	11.1		28	26	0.53	Low	Full Moon
WESTERN HEAD	2021-10-24 16:00	10.2		28	23	0.44	Low	Full Moon
WESTERN HEAD	2021-10-24 17:00	8.1		27	20	0.45	Low	Full Moon
WESTERN HEAD	2021-10-24 18:00	6.2		27	14	0.56	Low	Full Moon
WESTERN HEAD	2021-10-24 19:00	5.8		26	14	0.72	Low	Full Moon
WESTERN HEAD	2021-10-24 20:00	5.6		25	16	1.07	Flood	Full Moon
WESTERN HEAD	2021-10-24 21:00	5.5		26	14	1.35	High	Full Moon
WESTERN HEAD	2021-10-24 22:00	5.3		27	14	1.62	High	Full Moon
WESTERN HEAD	2021-10-24 23:00	4.6		25	10	1.56	High	Full Moon
WESTERN HEAD	2021-10-25 0:00	5.7		25	15	1.48	High	Full Moon
WESTERN HEAD	2021-10-25 1:00	4.8		26	14	1.16	Ebb	Full Moon
WESTERN HEAD	2021-10-25 2:00	5		25	14	0.93	Ebb	Full Moon
WESTERN HEAD	2021-10-25 3:00	5.9		26	16	0.73	Low	Full Moon
WESTERN HEAD	2021-10-25 4:00	6.1		27	14	0.66	Low	Full Moon
WESTERN HEAD	2021-10-25 5:00	6.2		26	13	0.64	Low	Full Moon
WESTERN HEAD	2021-10-25 6:00	6.3		26	13	0.72	Low	Full Moon
WESTERN HEAD	2021-10-25 7:00	6.6		26	13	0.84	Flood	Full Moon
WESTERN HEAD	2021-10-25 8:00	7.4		27	12	1.14	Flood	Full Moon
WESTERN HEAD	2021-10-25 9:00	7.9		27	10	1.41	High	Full Moon
WESTERN HEAD	2021-10-25 10:00	8.5		25	9	1.65	High	Full Moon
WESTERN HEAD	2021-10-25 11:00	9.4		27	8	1.63	High	Full Moon
WESTERN HEAD	2021-10-25 12:00	9.6		24	11	1.57	High	Full Moon
WESTERN HEAD	2021-10-25 13:00	10		26	11	1.24	Ebb	Full Moon
WESTERN HEAD	2021-10-25 14:00	10		25	14	1.03	Ebb	Full Moon
WESTERN HEAD	2021-10-25 15:00	9.5		27	10	0.7	Low	Full Moon
WESTERN HEAD	2021-10-25 16:00	8.6		26	7	0.62	Low	Full Moon
WESTERN HEAD	2021-10-25 17:00	7.8		24	9	0.53	Low	Full Moon
WESTERN HEAD	2021-10-25 18:00	7.4		27	4	0.62	Low	Full Moon
WESTERN HEAD	2021-10-25 19:00	7.3		29	3	0.64	Low	Full Moon
WESTERN HEAD	2021-10-25 20:00	7.2		36	3	0.97	Flood	Full Moon
WESTERN HEAD	2021-10-25 21:00	7.8		5	5	1.26	Flood	Full Moon
WESTERN HEAD	2021-10-25 22:00	8.2		7	7	1.54	High	Full Moon
WESTERN HEAD	2021-10-25 23:00	8.7		7	9	1.67	High	Full Moon
WESTERN HEAD	2021-10-26 0:00	9.1		8	12	1.61	High	Full Moon
WESTERN HEAD	2021-10-26 1:00	9.5		8	13	1.43	High	Full Moon
WESTERN HEAD	2021-10-26 2:00	9.7		8	14	1.19	Ebb	Full Moon
WESTERN HEAD	2021-10-26 3:00	10.2		9	17	1.04	Ebb	Full Moon
WESTERN HEAD	2021-10-26 4:00	10.7		8	17	0.96	Ebb	Full Moon
WESTERN HEAD	2021-10-26 5:00	11.1		8	19	0.93	Ebb	Full Moon
WESTERN HEAD	2021-10-26 6:00	11.6		8	21	0.94	Flood	Full Moon
WESTERN HEAD	2021-10-26 7:00	11.8		9	23	0.99	Flood	Full Moon
WESTERN HEAD	2021-10-26 8:00	12.2		8	21	1.19	Flood	Full Moon
WESTERN HEAD	2021-10-26 9:00	12.6		8	22	1.37	High	Full Moon
WESTERN HEAD	2021-10-26 10:00	13		7	27	1.68	High	Full Moon
WESTERN HEAD	2021-10-26 11:00	13		7	28	1.77	High	Full Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-10-26 12:00	13		7	28	1.72	High	Full Moon
WESTERN HEAD	2021-10-26 13:00	12.9		6	26	1.55	High	Full Moon
WESTERN HEAD	2021-10-26 14:00	12.7		6	29	1.27	Ebb	Full Moon
WESTERN HEAD	2021-10-26 15:00	12.6		7	36	1.03	Ebb	Full Moon
WESTERN HEAD	2021-10-26 16:00	12.8		7	37	0.85	Ebb	Full Moon
WESTERN HEAD	2021-10-26 17:00	12.8		6	38	0.79	Low	Full Moon
WESTERN HEAD	2021-10-26 18:00	12.9		7	45	0.73	Low	Full Moon
WESTERN HEAD	2021-10-26 19:00	12.9		6	42	0.81	Flood	Full Moon
WESTERN HEAD	2021-10-26 20:00	12.7		6	45	0.9	Flood	Full Moon
WESTERN HEAD	2021-10-26 21:00	12.5		6	43	1.32	High	Full Moon
WESTERN HEAD	2021-10-26 22:00	12		6	38	1.51	High	Full Moon
WESTERN HEAD	2021-10-26 23:00	11.8		5	38	1.85	High	Full Moon
WESTERN HEAD	2021-10-27 0:00	11.8		6	32	1.88	High	Full Moon
WESTERN HEAD	2021-10-27 1:00	11.7		5	33	1.84	High	Full Moon
WESTERN HEAD	2021-10-27 2:00	12.1		5	35	1.74	High	Full Moon
WESTERN HEAD	2021-10-27 3:00	11.6		5	38	1.52	High	Full Moon
WESTERN HEAD	2021-10-27 4:00	11.7		5	36	1.41	High	Full Moon
WESTERN HEAD	2021-10-27 5:00	11.3		5	37	1.34	High	Full Moon
WESTERN HEAD	2021-10-27 6:00	10.6		4	32	1.36	High	Full Moon
WESTERN HEAD	2021-10-27 7:00	10.1		5	33	1.29	Ebb	Full Moon
WESTERN HEAD	2021-10-27 8:00	9.9		4	29	1.38	High	Full Moon
WESTERN HEAD	2021-10-27 9:00	9.8		4	30	1.61	High	Full Moon
WESTERN HEAD	2021-10-27 10:00	9.7		4	30	1.87	High	Full Moon
WESTERN HEAD	2021-10-27 11:00	9.8		4	32	2.08	High	Full Moon
WESTERN HEAD	2021-10-27 12:00	9.9		4	31	2.11	High	Full Moon
WESTERN HEAD	2021-10-27 13:00	10.1		4	29	2.06	High	Full Moon
WESTERN HEAD	2021-10-27 14:00	10		4	30	1.84	High	Full Moon
WESTERN HEAD	2021-10-27 15:00	10.1		4	28	1.65	High	Full Moon
WESTERN HEAD	2021-10-27 16:00	9.9		4	30	1.47	High	Full Moon
WESTERN HEAD	2021-10-27 17:00	9.8		4	30	1.36	High	Full Moon
WESTERN HEAD	2021-10-27 18:00	9.4		3	20	1.23	Ebb	Full Moon
WESTERN HEAD	2021-10-27 19:00	9.6		3	23	1.22	Ebb	Full Moon
WESTERN HEAD	2021-10-27 20:00	9.4		4	24	1.26	Flood	Full Moon
WESTERN HEAD	2021-10-27 21:00	9.2		4	24	1.36	High	Full Moon
WESTERN HEAD	2021-10-27 22:00	9		3	22	1.69	High	Full Moon
WESTERN HEAD	2021-10-27 23:00	8.9		3	23	1.92	High	Full Moon
WESTERN HEAD	2021-10-28 0:00	8.8		3	24	2.09	High	Full Moon
WESTERN HEAD	2021-10-28 1:00	8.1		2	20	2.09	High	Full Moon
WESTERN HEAD	2021-10-28 2:00	7.9		2	23	2.02	High	Full Moon
WESTERN HEAD	2021-10-28 3:00	7.8		2	23	1.88	High	Full Moon
WESTERN HEAD	2021-10-28 4:00	8.1		2	21	1.75	High	Full Moon
WESTERN HEAD	2021-10-28 5:00	8.3		1	19	1.63	High	Full Moon
WESTERN HEAD	2021-10-28 6:00	8.7		2	18	1.53	High	Full Moon
WESTERN HEAD	2021-10-28 7:00	9		1	17	1.43	High	Full Moon
WESTERN HEAD	2021-10-28 8:00	9.2		2	17	1.44	High	Full Moon
WESTERN HEAD	2021-10-28 9:00	9.5		1	17	1.49	High	Full Moon
WESTERN HEAD	2021-10-28 10:00	9.8		1	18	1.68	High	Full Moon
WESTERN HEAD	2021-10-28 11:00	10		2	17	1.93	High	Full Moon
WESTERN HEAD	2021-10-28 12:00	10.3		36	17	2.06	High	Full Moon
WESTERN HEAD	2021-10-28 13:00	10.9		1	16	2.11	High	Full Moon
WESTERN HEAD	2021-10-28 14:00	11.1		2	15	1.95	High	Full Moon
WESTERN HEAD	2021-10-28 15:00	10.9		1	14	1.79	High	Full Moon
WESTERN HEAD	2021-10-28 16:00	10.6		1	18	1.62	High	Full Moon
WESTERN HEAD	2021-10-28 17:00	9.9		1	16	1.49	High	Last Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-10-28 18:00	9.4		1	16	1.29	Ebb	Last Quarter
WESTERN HEAD	2021-10-28 19:00	9		1	15	1.18	Ebb	Last Quarter
WESTERN HEAD	2021-10-28 20:00	8.9		36	13	1.07	Ebb	Last Quarter
WESTERN HEAD	2021-10-28 21:00	8.9		1	13	1.16	Flood	Last Quarter
WESTERN HEAD	2021-10-28 22:00	8.8		1	11	1.27	Flood	Last Quarter
WESTERN HEAD	2021-10-28 23:00	8.8		1	14	1.51	High	Last Quarter
WESTERN HEAD	2021-10-29 0:00	8.9		1	14	1.71	High	Last Quarter
WESTERN HEAD	2021-10-29 1:00	8.9		1	13	1.89	High	Last Quarter
WESTERN HEAD	2021-10-29 2:00	8.9		1	12	1.91	High	Last Quarter
WESTERN HEAD	2021-10-29 3:00	8.6		36	14	1.82	High	Last Quarter
WESTERN HEAD	2021-10-29 4:00	8.7		36	14	1.7	High	Last Quarter
WESTERN HEAD	2021-10-29 5:00	8.6		35	13	1.58	High	Last Quarter
WESTERN HEAD	2021-10-29 6:00	8.7		36	14	1.46	High	Last Quarter
WESTERN HEAD	2021-10-29 7:00	8.7		35	13	1.32	High	Last Quarter
WESTERN HEAD	2021-10-29 8:00	9		1	12	1.26	Ebb	Last Quarter
WESTERN HEAD	2021-10-29 9:00	9		35	14	1.19	Ebb	Last Quarter
WESTERN HEAD	2021-10-29 10:00	10		36	13	1.34	High	Last Quarter
WESTERN HEAD	2021-10-29 11:00	10.8		3	10	1.56	High	Last Quarter
WESTERN HEAD	2021-10-29 12:00	13.8		4	9	1.74	High	Last Quarter
WESTERN HEAD	2021-10-29 13:00	13.2		5	11	1.85	High	Last Quarter
WESTERN HEAD	2021-10-29 14:00	12.7		6	12	1.89	High	Last Quarter
WESTERN HEAD	2021-10-29 15:00	12.2		6	11	1.83	High	Last Quarter
WESTERN HEAD	2021-10-29 16:00	12.1		6	11	1.65	High	Last Quarter
WESTERN HEAD	2021-10-29 17:00	11.8		4	6	1.54	High	Last Quarter
WESTERN HEAD	2021-10-29 18:00	7.1		34	6	1.26	Ebb	Last Quarter
WESTERN HEAD	2021-10-29 19:00	9.7		35	8	1.09	Ebb	Last Quarter
WESTERN HEAD	2021-10-29 20:00	8.7		35	9	0.94	Ebb	Last Quarter
WESTERN HEAD	2021-10-29 21:00	8		35	9	0.86	Ebb	Last Quarter
WESTERN HEAD	2021-10-29 22:00	8.3		1	10	0.95	Flood	Last Quarter
WESTERN HEAD	2021-10-29 23:00	7.7		35	9	1.13	Flood	Last Quarter
WESTERN HEAD	2021-10-30 0:00	7.7		35	10	1.36	High	Last Quarter
WESTERN HEAD	2021-10-30 1:00	7.4		35	10	1.56	High	Last Quarter
WESTERN HEAD	2021-10-30 2:00	7.4		1	10	1.64	High	Last Quarter
WESTERN HEAD	2021-10-30 3:00	7.1		36	9	1.73	High	Last Quarter
WESTERN HEAD	2021-10-30 4:00	7.4		36	10	1.69	High	Last Quarter
WESTERN HEAD	2021-10-30 5:00	6.5		34	9	1.58	High	Last Quarter
WESTERN HEAD	2021-10-30 6:00	6		35	8	1.44	High	Last Quarter
WESTERN HEAD	2021-10-30 7:00	7.2		35	8	1.23	Ebb	Last Quarter
WESTERN HEAD	2021-10-30 8:00	8.2		1	10	1.07	Ebb	Last Quarter
WESTERN HEAD	2021-10-30 9:00	10		2	8	1.01	Ebb	Last Quarter
WESTERN HEAD	2021-10-30 10:00	10.7		4	10	0.97	Ebb	Last Quarter
WESTERN HEAD	2021-10-30 11:00	11		5	9	1.14	Flood	Last Quarter
WESTERN HEAD	2021-10-30 12:00	12		4	12	1.34	High	Last Quarter
WESTERN HEAD	2021-10-30 13:00	11.8		6	12	1.53	High	Last Quarter
WESTERN HEAD	2021-10-30 14:00	12.2		6	11	1.68	High	Last Quarter
WESTERN HEAD	2021-10-30 15:00	12.8		9	16	1.78	High	Last Quarter
WESTERN HEAD	2021-10-30 16:00	12.3		8	15	1.66	High	Last Quarter
WESTERN HEAD	2021-10-30 17:00	11.6		10	18	1.64	High	Last Quarter
WESTERN HEAD	2021-10-30 18:00	11.5		10	19	1.46	High	Last Quarter
WESTERN HEAD	2021-10-30 19:00	11.5		11	22	1.15	Ebb	Last Quarter
WESTERN HEAD	2021-10-30 20:00	11.7		9	23	1.04	Ebb	Last Quarter
WESTERN HEAD	2021-10-30 21:00	11.7		10	23	0.79	Low	Last Quarter
WESTERN HEAD	2021-10-30 22:00	11.9		10	26	0.79	Low	Last Quarter
WESTERN HEAD	2021-10-30 23:00	11.8		10	26	0.9	Flood	Last Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-10-31 0:00	12		11	28	1.06	Flood	Last Quarter
WESTERN HEAD	2021-10-31 1:00	12		9	30	1.46	High	Last Quarter
WESTERN HEAD	2021-10-31 2:00	12.2		8	31	1.59	High	Last Quarter
WESTERN HEAD	2021-10-31 3:00	12.6		9	36	1.83	High	Last Quarter
WESTERN HEAD	2021-10-31 4:00	12.9		10	33	1.83	High	Last Quarter
WESTERN HEAD	2021-10-31 5:00	13		8	29	1.87	High	Last Quarter
WESTERN HEAD	2021-10-31 6:00	13.2		9	28	1.68	High	Last Quarter
WESTERN HEAD	2021-10-31 7:00	13.3		9	35	1.63	High	Last Quarter
WESTERN HEAD	2021-10-31 8:00	13.7		10	39	1.31	High	Last Quarter
WESTERN HEAD	2021-10-31 9:00	13.6		10	39	1.17	Ebb	Last Quarter
WESTERN HEAD	2021-10-31 10:00	13.6		10	39	1.03	Ebb	Last Quarter
WESTERN HEAD	2021-10-31 11:00	14		11	44	1.1	Flood	Last Quarter
WESTERN HEAD	2021-10-31 12:00	14.5		13	51	1.3	High	Last Quarter
WESTERN HEAD	2021-10-31 13:00	14.9		14	45	1.54	High	Last Quarter
WESTERN HEAD	2021-10-31 14:00	15.2		17	36	1.76	High	Last Quarter
WESTERN HEAD	2021-10-31 15:00	15.1		19	19	1.95	High	Last Quarter
WESTERN HEAD	2021-10-31 16:00	15		19	14	1.99	High	Last Quarter
WESTERN HEAD	2021-10-31 17:00	13.7		23	15	1.97	High	Last Quarter
WESTERN HEAD	2021-10-31 18:00	13		21	4	1.81	High	Last Quarter
WESTERN HEAD	2021-10-31 19:00	12.9		20	10	1.55	High	Last Quarter
WESTERN HEAD	2021-10-31 20:00	12.9		19	10	1.22	Ebb	Last Quarter
WESTERN HEAD	2021-10-31 21:00	13		19	13	1	Ebb	Last Quarter
WESTERN HEAD	2021-10-31 22:00	13.1		22	10	0.77	Low	Last Quarter
WESTERN HEAD	2021-10-31 23:00	12.8		22	8	0.77	Low	Last Quarter
WESTERN HEAD	2021-11-01 0:00	12.8		21	9	0.86	Flood	Last Quarter
WESTERN HEAD	2021-11-01 1:00	13		23	13	1.14	Flood	Last Quarter
WESTERN HEAD	2021-11-01 2:00	13.2		23	15	1.44	High	Last Quarter
WESTERN HEAD	2021-11-01 3:00	12.8		22	17	1.67	High	Last Quarter
WESTERN HEAD	2021-11-01 4:00	12.8		22	16	1.87	High	Last Quarter
WESTERN HEAD	2021-11-01 5:00	12.4		23	15	1.96	High	Last Quarter
WESTERN HEAD	2021-11-01 6:00	12.5		21	15	1.84	High	Last Quarter
WESTERN HEAD	2021-11-01 7:00	12.4		23	21	1.65	High	Last Quarter
WESTERN HEAD	2021-11-01 8:00	12.5		23	18	1.41	High	Last Quarter
WESTERN HEAD	2021-11-01 9:00	13.4		23	18	1.07	Ebb	Last Quarter
WESTERN HEAD	2021-11-01 10:00	14.1		24	15	0.89	Ebb	Last Quarter
WESTERN HEAD	2021-11-01 11:00	16.2		23	19	0.7	Low	Last Quarter
WESTERN HEAD	2021-11-01 12:00	17.4		22	18	0.85	Flood	Last Quarter
WESTERN HEAD	2021-11-01 13:00	17		22	21	0.93	Flood	Last Quarter
WESTERN HEAD	2021-11-01 14:00	17		23	25	1.33	High	Last Quarter
WESTERN HEAD	2021-11-01 15:00	16.4		26	19	1.51	High	Last Quarter
WESTERN HEAD	2021-11-01 16:00	16.3		28	14	1.87	High	Last Quarter
WESTERN HEAD	2021-11-01 17:00	13.2		27	13	1.85	High	Last Quarter
WESTERN HEAD	2021-11-01 18:00	12		24	15	1.86	High	Last Quarter
WESTERN HEAD	2021-11-01 19:00	10.3		25	12	1.56	High	Last Quarter
WESTERN HEAD	2021-11-01 20:00	9.5		27	13	1.31	High	Last Quarter
WESTERN HEAD	2021-11-01 21:00	8.2		29	11	0.97	Ebb	Last Quarter
WESTERN HEAD	2021-11-01 22:00	6.7		28	8	0.7	Low	Last Quarter
WESTERN HEAD	2021-11-01 23:00	5.6		26	8	0.52	Low	Last Quarter
WESTERN HEAD	2021-11-02 0:00	5.3		28	10	0.43	Low	Last Quarter
WESTERN HEAD	2021-11-02 1:00	4.9		28	12	0.65	Low	Last Quarter
WESTERN HEAD	2021-11-02 2:00	5.4		31	13	0.91	Flood	Last Quarter
WESTERN HEAD	2021-11-02 3:00	5.4		31	13	1.37	High	Last Quarter
WESTERN HEAD	2021-11-02 4:00	4.5		30	11	1.64	High	Last Quarter
WESTERN HEAD	2021-11-02 5:00	1.8		26	9	1.88	High	Last Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-11-02 6:00	1.7		24	7	1.9	High	Last Quarter
WESTERN HEAD	2021-11-02 7:00	3.1		25	7	1.8	High	Last Quarter
WESTERN HEAD	2021-11-02 8:00	7.5		25	6	1.5	High	Last Quarter
WESTERN HEAD	2021-11-02 9:00	10.1		24	6	1.15	Ebb	Last Quarter
WESTERN HEAD	2021-11-02 10:00	11.2		22	5	0.85	Ebb	Last Quarter
WESTERN HEAD	2021-11-02 11:00	14.1		18	23	0.6	Low	Last Quarter
WESTERN HEAD	2021-11-02 12:00	14.4		18	28	0.53	Low	Last Quarter
WESTERN HEAD	2021-11-02 13:00	14.2		19	29	0.56	Low	Last Quarter
WESTERN HEAD	2021-11-02 14:00	12.8		20	33	0.81	Flood	Last Quarter
WESTERN HEAD	2021-11-02 15:00	13.7		20	30	1.17	Flood	Last Quarter
WESTERN HEAD	2021-11-02 16:00	13		20	30	1.53	High	Last Quarter
WESTERN HEAD	2021-11-02 17:00	11.7		24	18	1.84	High	Last Quarter
WESTERN HEAD	2021-11-02 18:00	9.6		26	9	1.88	High	Last Quarter
WESTERN HEAD	2021-11-02 19:00	9.6		25	14	1.81	High	Last Quarter
WESTERN HEAD	2021-11-02 20:00	9.2		26	9	1.5	High	Last Quarter
WESTERN HEAD	2021-11-02 21:00	8.7		27	7	1.16	Ebb	Last Quarter
WESTERN HEAD	2021-11-02 22:00	8.2		28	5	0.85	Ebb	Last Quarter
WESTERN HEAD	2021-11-02 23:00	8.6		31	10	0.48	Low	Last Quarter
WESTERN HEAD	2021-11-03 0:00	7.9		30	7	0.43	Low	Last Quarter
WESTERN HEAD	2021-11-03 1:00	7		31	5	0.36	Low	Last Quarter
WESTERN HEAD	2021-11-03 2:00	6.2		2	2	0.67	Low	Last Quarter
WESTERN HEAD	2021-11-03 3:00	6.8		10	4	0.96	Flood	Last Quarter
WESTERN HEAD	2021-11-03 4:00	6.9		1	5	1.51	High	Last Quarter
WESTERN HEAD	2021-11-03 5:00	6.9		33	7	1.83	High	Last Quarter
WESTERN HEAD	2021-11-03 6:00	7.3		36	5	2.09	High	Last Quarter
WESTERN HEAD	2021-11-03 7:00	6.7		1	5	2.02	High	Last Quarter
WESTERN HEAD	2021-11-03 8:00	6.5		31	14	1.77	High	Last Quarter
WESTERN HEAD	2021-11-03 9:00	7		33	11	1.46	High	Last Quarter
WESTERN HEAD	2021-11-03 10:00	7.3		33	11	1.01	Ebb	Last Quarter
WESTERN HEAD	2021-11-03 11:00	8.3		33	6	0.67	Low	Last Quarter
WESTERN HEAD	2021-11-03 12:00	9		34	6	0.43	Low	Last Quarter
WESTERN HEAD	2021-11-03 13:00	9.3		4	3	0.36	Low	Last Quarter
WESTERN HEAD	2021-11-03 14:00					0.45	Low	Last Quarter
WESTERN HEAD	2021-11-03 15:00					0.76	Low	Last Quarter
WESTERN HEAD	2021-11-03 16:00	9.4		33	10	1.2	Flood	Last Quarter
WESTERN HEAD	2021-11-03 17:00	6.4		30	7	1.63	High	Last Quarter
WESTERN HEAD	2021-11-03 18:00	4		27	7	1.92	High	Last Quarter
WESTERN HEAD	2021-11-03 19:00	4.5		28	8	1.95	High	Last Quarter
WESTERN HEAD	2021-11-03 20:00	3.9		30	11	1.78	High	Last Quarter
WESTERN HEAD	2021-11-03 21:00	3		29	10	1.46	High	Last Quarter
WESTERN HEAD	2021-11-03 22:00	2.9		28	11	1.05	Ebb	Last Quarter
WESTERN HEAD	2021-11-03 23:00	4.2		31	14	0.73	Low	Last Quarter
WESTERN HEAD	2021-11-04 0:00	3.1		29	12	0.39	Low	Last Quarter
WESTERN HEAD	2021-11-04 1:00	3.1		29	12	0.32	Low	Last Quarter
WESTERN HEAD	2021-11-04 2:00	1.9		29	10	0.29	Low	Last Quarter
WESTERN HEAD	2021-11-04 3:00	2.6		31	13	0.62	Low	Last Quarter
WESTERN HEAD	2021-11-04 4:00	2.2		31	14	1.05	Flood	Last Quarter
WESTERN HEAD	2021-11-04 5:00	2		30	11	1.57	High	Last Quarter
WESTERN HEAD	2021-11-04 6:00	1.8		31	13	1.97	High	Last Quarter
WESTERN HEAD	2021-11-04 7:00	1		29	11	2.09	High	Last Quarter
WESTERN HEAD	2021-11-04 8:00	2.7		30	11	1.99	High	Last Quarter
WESTERN HEAD	2021-11-04 9:00	6.3		30	9	1.68	High	Last Quarter
WESTERN HEAD	2021-11-04 10:00	8.5		31	5	1.26	Ebb	Last Quarter
WESTERN HEAD	2021-11-04 11:00	9.3		18	8	0.89	Ebb	Last Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-11-04 12:00	10.1		18	10	0.45	Low	Last Quarter
WESTERN HEAD	2021-11-04 13:00	10.9		21	14	0.29	Low	Last Quarter
WESTERN HEAD	2021-11-04 14:00	10.8		19	18	0.16	Low	Last Quarter
WESTERN HEAD	2021-11-04 15:00	10.1		19	17	0.37	Low	Last Quarter
WESTERN HEAD	2021-11-04 16:00	10		25	10	0.77	Low	Last Quarter
WESTERN HEAD	2021-11-04 17:00	6		29	7	1.28	Flood	Last Quarter
WESTERN HEAD	2021-11-04 18:00	2.5		31	8	1.69	High	New Moon
WESTERN HEAD	2021-11-04 19:00	3.3		29	10	1.93	High	New Moon
WESTERN HEAD	2021-11-04 20:00	3.3		31	14	1.95	High	New Moon
WESTERN HEAD	2021-11-04 21:00	2.5		31	13	1.73	High	New Moon
WESTERN HEAD	2021-11-04 22:00	1.6		32	12	1.42	High	New Moon
WESTERN HEAD	2021-11-04 23:00	1		35	5	0.94	Ebb	New Moon
WESTERN HEAD	2021-11-05 0:00	0.8		34	8	0.63	Low	New Moon
WESTERN HEAD	2021-11-05 1:00	1.2		35	8	0.36	Low	New Moon
WESTERN HEAD	2021-11-05 2:00	0.1		34	9	0.26	Low	New Moon
WESTERN HEAD	2021-11-05 3:00	1.4		34	8	0.38	Low	New Moon
WESTERN HEAD	2021-11-05 4:00	2.3		33	9	0.7	Low	New Moon
WESTERN HEAD	2021-11-05 5:00	1.3		32	12	1.26	Flood	New Moon
WESTERN HEAD	2021-11-05 6:00	1.7		36	7	1.73	High	New Moon
WESTERN HEAD	2021-11-05 7:00	1.7		33	9	2.13	High	New Moon
WESTERN HEAD	2021-11-05 8:00	2.4		32	15	2.12	High	New Moon
WESTERN HEAD	2021-11-05 9:00	3.5		32	13	2.04	High	New Moon
WESTERN HEAD	2021-11-05 10:00	5.2		32	14	1.7	High	New Moon
WESTERN HEAD	2021-11-05 11:00	6.1		33	15	1.18	Ebb	New Moon
WESTERN HEAD	2021-11-05 12:00	8.3		33	18	0.8	Low	New Moon
WESTERN HEAD	2021-11-05 13:00	8.4		34	16	0.42	Low	New Moon
WESTERN HEAD	2021-11-05 14:00	7.8		34	15	0.2	Low	New Moon
WESTERN HEAD	2021-11-05 15:00	7.7		34	12	0.23	Low	New Moon
WESTERN HEAD	2021-11-05 16:00	7		33	11	0.41	Low	New Moon
WESTERN HEAD	2021-11-05 17:00	5.8		33	11	0.87	Flood	New Moon
WESTERN HEAD	2021-11-05 18:00	3.7		32	13	1.41	High	New Moon
WESTERN HEAD	2021-11-05 19:00	2.6		32	13	1.8	High	New Moon
WESTERN HEAD	2021-11-05 20:00	1.7		31	14	2.04	High	New Moon
WESTERN HEAD	2021-11-05 21:00	1.5		31	13	1.99	High	New Moon
WESTERN HEAD	2021-11-05 22:00	0.7		30	14	1.67	High	New Moon
WESTERN HEAD	2021-11-05 23:00	0		31	14	1.39	High	New Moon
WESTERN HEAD	2021-11-06 0:00	-0.4		31	13	0.94	Ebb	New Moon
WESTERN HEAD	2021-11-06 1:00	-0.5		31	14	0.66	Low	New Moon
WESTERN HEAD	2021-11-06 2:00	-0.6		30	14	0.37	Low	New Moon
WESTERN HEAD	2021-11-06 3:00	-0.7		30	13	0.38	Low	New Moon
WESTERN HEAD	2021-11-06 4:00	-1.4		29	12	0.46	Low	New Moon
WESTERN HEAD	2021-11-06 5:00	-1		29	13	0.86	Flood	New Moon
WESTERN HEAD	2021-11-06 6:00	-1.1		29	12	1.33	High	New Moon
WESTERN HEAD	2021-11-06 7:00	-1		29	13	1.85	High	New Moon
WESTERN HEAD	2021-11-06 8:00	1.1		28	12	2.15	High	New Moon
WESTERN HEAD	2021-11-06 9:00	5.2		27	9	2.2	High	New Moon
WESTERN HEAD	2021-11-06 10:00	7.4		26	9	1.92	High	New Moon
WESTERN HEAD	2021-11-06 11:00	9		28	11	1.52	High	New Moon
WESTERN HEAD	2021-11-06 12:00	10.1		30	11	1.07	Ebb	New Moon
WESTERN HEAD	2021-11-06 13:00	10.7		28	10	0.69	Low	New Moon
WESTERN HEAD	2021-11-06 14:00	11.1		28	14	0.3	Low	New Moon
WESTERN HEAD	2021-11-06 15:00	10.5		27	13	0.11	Low	New Moon
WESTERN HEAD	2021-11-06 16:00	9.8		27	10	0.13	Low	New Moon
WESTERN HEAD	2021-11-06 17:00	7		24	11	0.37	Low	New Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-11-06 18:00	4.8		26	10	0.91	Flood	New Moon
WESTERN HEAD	2021-11-06 19:00	4.7		27	11	1.33	High	New Moon
WESTERN HEAD	2021-11-06 20:00	3.1		27	9	1.79	High	New Moon
WESTERN HEAD	2021-11-06 21:00	2.1		26	11	1.94	High	New Moon
WESTERN HEAD	2021-11-06 22:00	2		26	10	1.93	High	New Moon
WESTERN HEAD	2021-11-06 23:00	2.5		26	10	1.64	High	New Moon
WESTERN HEAD	2021-11-07 0:00	2.3		26	10	1.27	Ebb	New Moon
WESTERN HEAD	2021-11-07 1:00	2.4		26	11	0.95	Ebb	New Moon
WESTERN HEAD	2021-11-07 2:00	2.4		25	10	0.63	Low	New Moon
WESTERN HEAD	2021-11-07 3:00	2		25	10	0.49	Low	New Moon
WESTERN HEAD	2021-11-07 4:00	1.3		26	7	0.39	Low	New Moon
WESTERN HEAD	2021-11-07 5:00	1.1		25	7	0.56	Low	New Moon
WESTERN HEAD	2021-11-07 6:00	1.5		25	8	0.95	Flood	New Moon
WESTERN HEAD	2021-11-07 7:00	2.7		24	9	1.45	High	New Moon
WESTERN HEAD	2021-11-07 8:00	4.5		25	8	1.89	High	New Moon
WESTERN HEAD	2021-11-07 9:00	8.5		24	10	2.08	High	New Moon
WESTERN HEAD	2021-11-07 10:00	10.2		23	12	2.09	High	New Moon
WESTERN HEAD	2021-11-07 11:00	11.7		21	13	1.77	High	New Moon
WESTERN HEAD	2021-11-07 12:00	12.8		20	15	1.42	High	New Moon
WESTERN HEAD	2021-11-07 13:00	12.6		18	16	0.97	Ebb	New Moon
WESTERN HEAD	2021-11-07 14:00	12.4		19	19	0.57	Low	New Moon
WESTERN HEAD	2021-11-07 15:00	11.7		18	21	0.32	Low	New Moon
WESTERN HEAD	2021-11-07 16:00	10.9		19	19	0.15	Low	New Moon
WESTERN HEAD	2021-11-07 17:00	9.7		21	16	0.2	Low	New Moon
WESTERN HEAD	2021-11-07 18:00	9.6		21	15	0.46	Low	New Moon
WESTERN HEAD	2021-11-07 19:00	9.5		22	14	0.94	Flood	New Moon
WESTERN HEAD	2021-11-07 20:00	8.5		25	10	1.41	High	New Moon
WESTERN HEAD	2021-11-07 21:00	9.1		25	10	1.82	High	New Moon
WESTERN HEAD	2021-11-07 22:00	9.3		24	13	1.99	High	New Moon
WESTERN HEAD	2021-11-07 23:00	9.4		23	11	1.82	High	New Moon
WESTERN HEAD	2021-11-08 0:00	7.8		31	9	1.62	High	New Moon
WESTERN HEAD	2021-11-08 1:00	7.8		22	4	1.26	Ebb	New Moon
WESTERN HEAD	2021-11-08 2:00	7.4		32	5	0.99	Ebb	New Moon
WESTERN HEAD	2021-11-08 3:00	7.2		35	3	0.75	Low	New Moon
WESTERN HEAD	2021-11-08 4:00	7.2		34	3	0.57	Low	New Moon
WESTERN HEAD	2021-11-08 5:00	7.9		3	3	0.56	Low	New Moon
WESTERN HEAD	2021-11-08 6:00	7.2		34	7	0.7	Low	New Moon
WESTERN HEAD	2021-11-08 7:00	7.3		35	7	1.08	Flood	New Moon
WESTERN HEAD	2021-11-08 8:00	7.8		34	6	1.54	High	New Moon
WESTERN HEAD	2021-11-08 9:00	8.2		35	7	1.94	High	New Moon
WESTERN HEAD	2021-11-08 10:00	8.4		35	8	2.14	High	New Moon
WESTERN HEAD	2021-11-08 11:00	9.2		36	6	2.05	High	New Moon
WESTERN HEAD	2021-11-08 12:00	10		36	8	1.83	High	New Moon
WESTERN HEAD	2021-11-08 13:00	10.8		36	8	1.42	High	New Moon
WESTERN HEAD	2021-11-08 14:00	12.8		1	6	1.05	Ebb	New Moon
WESTERN HEAD	2021-11-08 15:00	12.5		6	4	0.71	Low	New Moon
WESTERN HEAD	2021-11-08 16:00	13		7	5	0.46	Low	New Moon
WESTERN HEAD	2021-11-08 17:00	9		5	4	0.4	Low	New Moon
WESTERN HEAD	2021-11-08 18:00	6.5		2	3	0.31	Low	New Moon
WESTERN HEAD	2021-11-08 19:00	5.7		34	4	0.64	Low	New Moon
WESTERN HEAD	2021-11-08 20:00	5.4		36	5	1.03	Flood	New Moon
WESTERN HEAD	2021-11-08 21:00	5.1		32	8	1.53	High	New Moon
WESTERN HEAD	2021-11-08 22:00	4.6		31	11	1.85	High	New Moon
WESTERN HEAD	2021-11-08 23:00	4.4		32	14	1.92	High	New Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-11-09 0:00	4.3		32	11	1.82	High	New Moon
WESTERN HEAD	2021-11-09 1:00	3.8		32	11	1.61	High	New Moon
WESTERN HEAD	2021-11-09 2:00	4.1		32	13	1.26	Ebb	New Moon
WESTERN HEAD	2021-11-09 3:00	4.7		32	12	1.06	Ebb	New Moon
WESTERN HEAD	2021-11-09 4:00	4.5		32	16	0.88	Ebb	New Moon
WESTERN HEAD	2021-11-09 5:00	4.7		33	9	0.75	Low	New Moon
WESTERN HEAD	2021-11-09 6:00	4.1		31	17	0.68	Low	New Moon
WESTERN HEAD	2021-11-09 7:00	4.3		31	16	0.81	Flood	New Moon
WESTERN HEAD	2021-11-09 8:00	6.1		17	5	1.06	Flood	New Moon
WESTERN HEAD	2021-11-09 9:00	9		22	5	1.56	High	New Moon
WESTERN HEAD	2021-11-09 10:00	10.1		21	7	1.85	High	New Moon
WESTERN HEAD	2021-11-09 11:00	12.3		21	10	2.09	High	New Moon
WESTERN HEAD	2021-11-09 12:00	14.4		19	11	1.93	High	New Moon
WESTERN HEAD	2021-11-09 13:00	15.2		21	13	1.7	High	New Moon
WESTERN HEAD	2021-11-09 14:00	17.2		26	12	1.32	High	New Moon
WESTERN HEAD	2021-11-09 15:00	16.8		25	13		Low	New Moon
WESTERN HEAD	2021-11-09 16:00	15.9		25	10	0.75	Low	New Moon
WESTERN HEAD	2021-11-09 17:00	12.1		26	8	0.57	Low	New Moon
WESTERN HEAD	2021-11-09 18:00	9.3		24	7	0.38	Low	New Moon
WESTERN HEAD	2021-11-09 19:00	11.4		23	17	0.45	Low	New Moon
WESTERN HEAD	2021-11-09 20:00	7.8		25	6	0.66	Low	New Moon
WESTERN HEAD	2021-11-09 21:00	7.3		24	10	1.05	Flood	New Moon
WESTERN HEAD	2021-11-09 22:00	7.9		28	12	1.53	High	New Moon
WESTERN HEAD	2021-11-09 23:00	7.7		28	13	1.76	High	New Moon
WESTERN HEAD	2021-11-10 0:00	7.7		31	14	1.93	High	New Moon
WESTERN HEAD	2021-11-10 1:00	7.6		33	12	1.77	High	New Moon
WESTERN HEAD	2021-11-10 2:00	6.2		4	2	1.63	High	New Moon
WESTERN HEAD	2021-11-10 3:00	5.1		23	2	1.32	High	New Moon
WESTERN HEAD	2021-11-10 4:00	7.3		36	7	1.26	Ebb	New Moon
WESTERN HEAD	2021-11-10 5:00	7.2		35	7	1	Ebb	New Moon
WESTERN HEAD	2021-11-10 6:00	7.5		36	7	0.9	Ebb	New Moon
WESTERN HEAD	2021-11-10 7:00	8.4		36	7	0.8	Low	New Moon
WESTERN HEAD	2021-11-10 8:00	8.6		1	6	0.92	Flood	New Moon
WESTERN HEAD	2021-11-10 9:00	9.1		1	9	1.19	Flood	New Moon
WESTERN HEAD	2021-11-10 10:00	10.4		7	19	1.63	High	New Moon
WESTERN HEAD	2021-11-10 11:00	10.3	0	7	19	1.85	High	New Moon
WESTERN HEAD	2021-11-10 12:00	10.2	1.3	7	23	2.01	High	New Moon
WESTERN HEAD	2021-11-10 13:00	9.8	2.7	6	17	1.87	High	New Moon
WESTERN HEAD	2021-11-10 14:00	9.7	3.3	5	14	1.67	High	New Moon
WESTERN HEAD	2021-11-10 15:00	8.9	2.8	4	12	1.42	High	New Moon
WESTERN HEAD	2021-11-10 16:00	8	2.4	36	20	1.15	Ebb	New Moon
WESTERN HEAD	2021-11-10 17:00	7.2	0.8	34	16	0.86	Ebb	New Moon
WESTERN HEAD	2021-11-10 18:00	6.7	0	34	14	0.71	Low	New Moon
WESTERN HEAD	2021-11-10 19:00	6.6	0	32	13	0.44	Low	New Moon
WESTERN HEAD	2021-11-10 20:00	6.3	0.4	34	12	0.5	Low	New Moon
WESTERN HEAD	2021-11-10 21:00	5	0	32	14	0.6	Low	New Moon
WESTERN HEAD	2021-11-10 22:00	4.1	0	31	12	1.08	Flood	New Moon
WESTERN HEAD	2021-11-10 23:00	3.5	0	29	9	1.36	High	New Moon
WESTERN HEAD	2021-11-11 0:00	3.7	0	31	13	1.75	High	New Moon
WESTERN HEAD	2021-11-11 1:00	2.8	0	31	12	1.75	High	New Moon
WESTERN HEAD	2021-11-11 2:00	2.2	0	29	9	1.66	High	New Moon
WESTERN HEAD	2021-11-11 3:00	2.3	0	29	10	1.54	High	New Moon
WESTERN HEAD	2021-11-11 4:00	1.4	0.2	28	9	1.33	High	New Moon
WESTERN HEAD	2021-11-11 5:00	2.2	0	29	13	1.23	Ebb	New Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-11-11 6:00	1.8	0	29	10	1.03	Ebb	New Moon
WESTERN HEAD	2021-11-11 7:00	1.7	0	29	11	0.87	Ebb	New Moon
WESTERN HEAD	2021-11-11 8:00	3.3	0	29	11	0.78	Low	New Moon
WESTERN HEAD	2021-11-11 9:00	5.9	0	31	14	0.85	Flood	First Quarter
WESTERN HEAD	2021-11-11 10:00	5.8	0	32	13	1.16	Flood	First Quarter
WESTERN HEAD	2021-11-11 11:00	8.3	0	31	18	1.44	High	First Quarter
WESTERN HEAD	2021-11-11 12:00	8.3	0	31	16	1.76	High	First Quarter
WESTERN HEAD	2021-11-11 13:00	7.7	0	31	15	1.86	High	First Quarter
WESTERN HEAD	2021-11-11 14:00	9	0	32	20	1.74	High	First Quarter
WESTERN HEAD	2021-11-11 15:00	8.7	0	31	17	1.62	High	First Quarter
WESTERN HEAD	2021-11-11 16:00	7.9	0	32	15	1.37	High	First Quarter
WESTERN HEAD	2021-11-11 17:00	4.9	0	33	10	1.18	Ebb	First Quarter
WESTERN HEAD	2021-11-11 18:00	2.8	0	32	9	0.9	Ebb	First Quarter
WESTERN HEAD	2021-11-11 19:00	1.5	0	28	9	0.69	Low	First Quarter
WESTERN HEAD	2021-11-11 20:00	1	0	29	11	0.51	Low	First Quarter
WESTERN HEAD	2021-11-11 21:00	1.9	0	30	13	0.47	Low	First Quarter
WESTERN HEAD	2021-11-11 22:00	1.8	0	30	12	0.75	Low	First Quarter
WESTERN HEAD	2021-11-11 23:00	1.9	0	31	12	1.06	Flood	First Quarter
WESTERN HEAD	2021-11-12 0:00	1.7	0	31	12	1.42	High	First Quarter
WESTERN HEAD	2021-11-12 1:00	1.1	0	32	12	1.6	High	First Quarter
WESTERN HEAD	2021-11-12 2:00	0.8	0	32	9	1.68	High	First Quarter
WESTERN HEAD	2021-11-12 3:00	0.7	0	32	9	1.64	High	First Quarter
WESTERN HEAD	2021-11-12 4:00	-0.4	0	33	8	1.52	High	First Quarter
WESTERN HEAD	2021-11-12 5:00	1	0	34	9	1.4	High	First Quarter
WESTERN HEAD	2021-11-12 6:00	-0.3	0	35	8	1.15	Ebb	First Quarter
WESTERN HEAD	2021-11-12 7:00	0.1	0	35	9	1.03	Ebb	First Quarter
WESTERN HEAD	2021-11-12 8:00	2.2	0	34	9	0.78	Low	First Quarter
WESTERN HEAD	2021-11-12 9:00	4.2	0	1	7	0.73	Low	First Quarter
WESTERN HEAD	2021-11-12 10:00	7	0	5	9	0.75	Low	First Quarter
WESTERN HEAD	2021-11-12 11:00	8.5	0	12	18	1.03	Flood	First Quarter
WESTERN HEAD	2021-11-12 12:00	9.5	0	13	21	1.35	High	First Quarter
WESTERN HEAD	2021-11-12 13:00	10.5	0	14	23	1.64	High	First Quarter
WESTERN HEAD	2021-11-12 14:00	10.1	0	13	25	1.7	High	First Quarter
WESTERN HEAD	2021-11-12 15:00	9.2	0	12	28	1.71	High	First Quarter
WESTERN HEAD	2021-11-12 16:00	9.4	0	12	35	1.52	High	First Quarter
WESTERN HEAD	2021-11-12 17:00	9.8	0	13	36	1.49	High	First Quarter
WESTERN HEAD	2021-11-12 18:00	10.2	0	14	41	1.18	Ebb	First Quarter
WESTERN HEAD	2021-11-12 19:00	10.6	0	14	45	1	Ebb	First Quarter
WESTERN HEAD	2021-11-12 20:00	11	0	14	47	0.78	Low	First Quarter
WESTERN HEAD	2021-11-12 21:00	11.4	0	14	47	0.66	Low	First Quarter
WESTERN HEAD	2021-11-12 22:00	11.8	0	14	44	0.7	Low	First Quarter
WESTERN HEAD	2021-11-12 23:00	11.5	0	14	49	0.89	Flood	First Quarter
WESTERN HEAD	2021-11-13 0:00	12	0	14	53	1.2	Flood	First Quarter
WESTERN HEAD	2021-11-13 1:00	12.1	0.4	14	47	1.64	High	First Quarter
WESTERN HEAD	2021-11-13 2:00	12.8	0.3	14	43	1.8	High	First Quarter
WESTERN HEAD	2021-11-13 3:00	13.2	3	15	38	1.95	High	First Quarter
WESTERN HEAD	2021-11-13 4:00	13.8	1.2	16	44	1.92	High	First Quarter
WESTERN HEAD	2021-11-13 5:00	14	3	17	49	1.74	High	First Quarter
WESTERN HEAD	2021-11-13 6:00	13.6	2	19	31	1.71	High	First Quarter
WESTERN HEAD	2021-11-13 7:00	12.9	0.3	20	14	1.35	High	First Quarter
WESTERN HEAD	2021-11-13 8:00	12.6	0.5	18	16	1.09	Ebb	First Quarter
WESTERN HEAD	2021-11-13 9:00	12.5	0	22	9	0.87	Ebb	First Quarter
WESTERN HEAD	2021-11-13 10:00	12.8	0	21	3	0.81	Ebb	First Quarter
WESTERN HEAD	2021-11-13 11:00	13.9	0	32	8	0.76	Low	First Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-11-13 12:00	13.5	0	35	10	1.07	Flood	First Quarter
WESTERN HEAD	2021-11-13 13:00	14.8	0	36	8	1.28	Flood	First Quarter
WESTERN HEAD	2021-11-13 14:00	16.1	0	34	9	1.65	High	First Quarter
WESTERN HEAD	2021-11-13 15:00	16.5	0	34	9	1.72	High	First Quarter
WESTERN HEAD	2021-11-13 16:00	16.2	0	12	2	1.81	High	First Quarter
WESTERN HEAD	2021-11-13 17:00	10.8	0	19	4	1.64	High	First Quarter
WESTERN HEAD	2021-11-13 18:00	10.9	0	19	8	1.48	High	First Quarter
WESTERN HEAD	2021-11-13 19:00	11.3	0	23	7	1.23	Ebb	First Quarter
WESTERN HEAD	2021-11-13 20:00	10.5	0	22	9	1.03	Ebb	First Quarter
WESTERN HEAD	2021-11-13 21:00	10.5	0	21	11	0.79	Low	First Quarter
WESTERN HEAD	2021-11-13 22:00	11	0	20	18	0.61	Low	First Quarter
WESTERN HEAD	2021-11-13 23:00	11	0	18	22	0.7	Low	First Quarter
WESTERN HEAD	2021-11-14 0:00	10.3	0	19	31	0.91	Flood	First Quarter
WESTERN HEAD	2021-11-14 1:00	10.8	0	20	22	1.3	High	First Quarter
WESTERN HEAD	2021-11-14 2:00	11.7	0	19	31	1.56	High	First Quarter
WESTERN HEAD	2021-11-14 3:00	11.4	0	21	47	1.82	High	First Quarter
WESTERN HEAD	2021-11-14 4:00	10.2	0	23	50	2.01	High	First Quarter
WESTERN HEAD	2021-11-14 5:00	9.7	0	23	47	1.99	High	First Quarter
WESTERN HEAD	2021-11-14 6:00	10	0	22	47	1.82	High	First Quarter
WESTERN HEAD	2021-11-14 7:00	9.7	0	24	45	1.55	High	First Quarter
WESTERN HEAD	2021-11-14 8:00	9.2	0	25	38	1.25	Ebb	First Quarter
WESTERN HEAD	2021-11-14 9:00	8	0.3	26	23	0.91	Ebb	First Quarter
WESTERN HEAD	2021-11-14 10:00	8.7	0	26	30	0.71	Low	First Quarter
WESTERN HEAD	2021-11-14 11:00	8.5	0	26	25	0.52	Low	First Quarter
WESTERN HEAD	2021-11-14 12:00	8.7	0	28	23	0.5	Low	First Quarter
WESTERN HEAD	2021-11-14 13:00	10.7	0	27	26	0.77	Low	First Quarter
WESTERN HEAD	2021-11-14 14:00	10.7	0	27	25	1.05	Flood	First Quarter
WESTERN HEAD	2021-11-14 15:00	9.5	0	26	20	1.43	High	First Quarter
WESTERN HEAD	2021-11-14 16:00	9.2	0	26	19	1.49	High	First Quarter
WESTERN HEAD	2021-11-14 17:00	7.1	0	26	13	1.55	High	First Quarter
WESTERN HEAD	2021-11-14 18:00	5	0	26	8	1.49	High	First Quarter
WESTERN HEAD	2021-11-14 19:00	5	0	25	9	1.35	High	First Quarter
WESTERN HEAD	2021-11-14 20:00	5.2	0	25	10	1.17	Ebb	First Quarter
WESTERN HEAD	2021-11-14 21:00	6.9	0	23	12	0.88	Ebb	First Quarter
WESTERN HEAD	2021-11-14 22:00	6.2	0	24	11	0.68	Low	First Quarter
WESTERN HEAD	2021-11-14 23:00	3.8	0	24	5	0.72	Low	First Quarter
WESTERN HEAD	2021-11-15 0:00	3.7	0	25	9	0.67	Low	First Quarter
WESTERN HEAD	2021-11-15 1:00	3.8	0	26	7	0.96	Flood	First Quarter
WESTERN HEAD	2021-11-15 2:00	2.2	0	24	6	1.22	Flood	First Quarter
WESTERN HEAD	2021-11-15 3:00	2.6	0.2	28	6	1.56	High	First Quarter
WESTERN HEAD	2021-11-15 4:00	2.5	0	9	2	1.93	High	First Quarter
WESTERN HEAD	2021-11-15 5:00	9.1	0	18	22	2	High	First Quarter
WESTERN HEAD	2021-11-15 6:00	10	0	16	22	1.95	High	First Quarter
WESTERN HEAD	2021-11-15 7:00	10.5	0	15	28	1.75	High	First Quarter
WESTERN HEAD	2021-11-15 8:00	10.9	0	13	32	1.52	High	First Quarter
WESTERN HEAD	2021-11-15 9:00	11.4	0	12	35	1.27	Ebb	First Quarter
WESTERN HEAD	2021-11-15 10:00	11.1	0.3	13	36	1.03	Ebb	First Quarter
WESTERN HEAD	2021-11-15 11:00	11.3	2	13	44	0.92	Ebb	First Quarter
WESTERN HEAD	2021-11-15 12:00	11.5	3	13	35	0.68	Low	First Quarter
WESTERN HEAD	2021-11-15 13:00	9.7	4.5	19	31	0.94	Flood	First Quarter
WESTERN HEAD	2021-11-15 14:00	9.3	5.5	19	16	1.06	Flood	First Quarter
WESTERN HEAD	2021-11-15 15:00	9.6	1.1	22	16	1.48	High	First Quarter
WESTERN HEAD	2021-11-15 16:00	9.6	0	23	24	1.75	High	First Quarter
WESTERN HEAD	2021-11-15 17:00	7.9	0	25	29	1.93	High	First Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-11-15 18:00	7	0	24	23	1.99	High	First Quarter
WESTERN HEAD	2021-11-15 19:00	7	0	24	30	1.59	High	First Quarter
WESTERN HEAD	2021-11-15 20:00	6.3	0	23	25	1.53	High	First Quarter
WESTERN HEAD	2021-11-15 21:00	5.3	0	25	23	1	Ebb	First Quarter
WESTERN HEAD	2021-11-15 22:00	5	0	25	21	0.94	Ebb	First Quarter
WESTERN HEAD	2021-11-15 23:00	5.1	0	24	29	0.51	Low	First Quarter
WESTERN HEAD	2021-11-16 0:00	4.5	0	25	22	0.62	Low	First Quarter
WESTERN HEAD	2021-11-16 1:00	4.3	0	25	25	0.56	Low	First Quarter
WESTERN HEAD	2021-11-16 2:00	3.6	0	25	18	0.75	Low	First Quarter
WESTERN HEAD	2021-11-16 3:00	3.3	0	25	19	1.18	Flood	First Quarter
WESTERN HEAD	2021-11-16 4:00	2.7	0	26	15	1.42	High	First Quarter
WESTERN HEAD	2021-11-16 5:00	2.6	0	28	17	1.65	High	First Quarter
WESTERN HEAD	2021-11-16 6:00	1.9	0	25	14	1.8	High	First Quarter
WESTERN HEAD	2021-11-16 7:00	2.2	0	25	15	1.61	High	First Quarter
WESTERN HEAD	2021-11-16 8:00	2.4	0	26	14	1.51	High	First Quarter
WESTERN HEAD	2021-11-16 9:00	4.3	0	27	19	1.07	Ebb	First Quarter
WESTERN HEAD	2021-11-16 10:00	5.7	0	28	23	0.91	Ebb	First Quarter
WESTERN HEAD	2021-11-16 11:00	6.5	0	27	24	0.67	Low	First Quarter
WESTERN HEAD	2021-11-16 12:00	4.8	0	32	25	0.47	Low	First Quarter
WESTERN HEAD	2021-11-16 13:00	4.6	0	30	20	0.56	Low	First Quarter
WESTERN HEAD	2021-11-16 14:00	3.4	0	30	24	0.49	Low	First Quarter
WESTERN HEAD	2021-11-16 15:00	5.1	0	29	16	0.89	Flood	First Quarter
WESTERN HEAD	2021-11-16 16:00	4.6	0	28	17	1.16	Flood	First Quarter
WESTERN HEAD	2021-11-16 17:00	3.8	0	27	17	1.57	High	First Quarter
WESTERN HEAD	2021-11-16 18:00	3.2	0	25	14	1.67	High	First Quarter
WESTERN HEAD	2021-11-16 19:00	3.5	0	25	16	1.62	High	First Quarter
WESTERN HEAD	2021-11-16 20:00	2.2	0	27	15	1.44	High	First Quarter
WESTERN HEAD	2021-11-16 21:00	2.6	0	27	16	1.21	Ebb	First Quarter
WESTERN HEAD	2021-11-16 22:00	2.5	0	28	19	0.88	Ebb	First Quarter
WESTERN HEAD	2021-11-16 23:00	2	0	28	18	0.61	Low	First Quarter
WESTERN HEAD	2021-11-17 0:00	1.4	0	29	13	0.5	Low	First Quarter
WESTERN HEAD	2021-11-17 1:00	0.1	0	29	10	0.44	Low	First Quarter
WESTERN HEAD	2021-11-17 2:00	1	0	28	13	0.61	Low	First Quarter
WESTERN HEAD	2021-11-17 3:00	2	0	27	14	0.8	Low	First Quarter
WESTERN HEAD	2021-11-17 4:00	1.9	0	27	15	1.17	Flood	First Quarter
WESTERN HEAD	2021-11-17 5:00	1.3	0	26	14	1.46	High	First Quarter
WESTERN HEAD	2021-11-17 6:00	1.1	0	26	13	1.69	High	First Quarter
WESTERN HEAD	2021-11-17 7:00	1.5	0	28	15	1.68	High	First Quarter
WESTERN HEAD	2021-11-17 8:00	1.6	0	29	18	1.56	High	First Quarter
WESTERN HEAD	2021-11-17 9:00	3.1	0	30	18	1.23	Ebb	First Quarter
WESTERN HEAD	2021-11-17 10:00	3.8	0	30	28	0.95	Ebb	First Quarter
WESTERN HEAD	2021-11-17 11:00	4.2	0	30	22	0.69	Low	First Quarter
WESTERN HEAD	2021-11-17 12:00	5	0	31	22	0.49	Low	First Quarter
WESTERN HEAD	2021-11-17 13:00	5.5	0	30	22	0.41	Low	First Quarter
WESTERN HEAD	2021-11-17 14:00	5.8	0	30	16	0.39	Low	First Quarter
WESTERN HEAD	2021-11-17 15:00	4.8	0	28	20	0.69	Low	First Quarter
WESTERN HEAD	2021-11-17 16:00	4.1	0	31	12	1	Flood	First Quarter
WESTERN HEAD	2021-11-17 17:00	0.8	0	31	8	1.43	High	First Quarter
WESTERN HEAD	2021-11-17 18:00	-1.7	0	30	6	1.66	High	First Quarter
WESTERN HEAD	2021-11-17 19:00	-1.4	0	31	9	1.78	High	First Quarter
WESTERN HEAD	2021-11-17 20:00	-2	0	30	9	1.72	High	First Quarter
WESTERN HEAD	2021-11-17 21:00	0.1	0	30	9	1.44	High	First Quarter
WESTERN HEAD	2021-11-17 22:00	-0.3	0	28	9	1.26	Ebb	First Quarter
WESTERN HEAD	2021-11-17 23:00	0.7	0	30	7	0.92	Ebb	First Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-11-18 0:00	0.9	0	32	4	0.69	Low	First Quarter
WESTERN HEAD	2021-11-18 1:00	1.4	0	28	9	0.61	Low	First Quarter
WESTERN HEAD	2021-11-18 2:00	1.3	0	29	5	0.62	Low	First Quarter
WESTERN HEAD	2021-11-18 3:00	2.5	0	27	8	0.74	Low	First Quarter
WESTERN HEAD	2021-11-18 4:00	2.4	0	23	1	1.01	Flood	First Quarter
WESTERN HEAD	2021-11-18 5:00	5.3	0	17	14	1.46	High	First Quarter
WESTERN HEAD	2021-11-18 6:00	5.3	0	17	17	1.67	High	First Quarter
WESTERN HEAD	2021-11-18 7:00	5.9	0.6	15	21	1.92	High	First Quarter
WESTERN HEAD	2021-11-18 8:00	6.8	0.8	16	30	1.76	High	First Quarter
WESTERN HEAD	2021-11-18 9:00	8	0	17	33	1.61	High	First Quarter
WESTERN HEAD	2021-11-18 10:00	8.8	0	17	34	1.24	Ebb	First Quarter
WESTERN HEAD	2021-11-18 11:00	9.9	0	17	30	0.99	Ebb	First Quarter
WESTERN HEAD	2021-11-18 12:00	10.9	0	17	24	0.66	Low	First Quarter
WESTERN HEAD	2021-11-18 13:00	12	0.3	21	20	0.52	Low	First Quarter
WESTERN HEAD	2021-11-18 14:00	12.8	0	21	26	0.51	Low	First Quarter
WESTERN HEAD	2021-11-18 15:00	13.2	0	21	31	0.6	Low	First Quarter
WESTERN HEAD	2021-11-18 16:00	13.1	0	21	29	0.85	Flood	First Quarter
WESTERN HEAD	2021-11-18 17:00	12.9	0	21	22	1.24	Flood	First Quarter
WESTERN HEAD	2021-11-18 18:00	12.8	0	21	20	1.56	High	First Quarter
WESTERN HEAD	2021-11-18 19:00	12.9	0	21	26	1.78	High	First Quarter
WESTERN HEAD	2021-11-18 20:00	12.7	0	21	24	1.84	High	First Quarter
WESTERN HEAD	2021-11-18 21:00	13.3	0	21	30	1.64	High	First Quarter
WESTERN HEAD	2021-11-18 22:00	13.3	0	21	31	1.43	High	First Quarter
WESTERN HEAD	2021-11-18 23:00	13.4	0	21	34	1.09	Ebb	First Quarter
WESTERN HEAD	2021-11-19 0:00	13.8	0	21	39	0.87	Ebb	First Quarter
WESTERN HEAD	2021-11-19 1:00	14	0	21	38	0.63	Low	First Quarter
WESTERN HEAD	2021-11-19 2:00	13.8	0	22	32	0.66	Low	First Quarter
WESTERN HEAD	2021-11-19 3:00	13.5	0	21	31	0.58	Low	First Quarter
WESTERN HEAD	2021-11-19 4:00	13.4	0	21	25	0.96	Flood	First Quarter
WESTERN HEAD	2021-11-19 5:00	13.8	0	22	29	1.19	Flood	Full Moon
WESTERN HEAD	2021-11-19 6:00	13.4	0	21	25	1.53	High	Full Moon
WESTERN HEAD	2021-11-19 7:00	13.4	0	21	29	1.82	High	Full Moon
WESTERN HEAD	2021-11-19 8:00	13.4	1	20	35	1.93	High	Full Moon
WESTERN HEAD	2021-11-19 9:00	13	4.2	22	26	1.8	High	Full Moon
WESTERN HEAD	2021-11-19 10:00	8.2	2.7	32	22	1.55	High	Full Moon
WESTERN HEAD	2021-11-19 11:00	8.1	1.8	31	6	1.23	Ebb	Full Moon
WESTERN HEAD	2021-11-19 12:00	8.7	0.7	24	11	0.59	Low	Full Moon
WESTERN HEAD	2021-11-19 13:00	7.1	0	28	29	0.7	Low	Full Moon
WESTERN HEAD	2021-11-19 14:00	5.6	0	29	20	0.34	Low	Full Moon
WESTERN HEAD	2021-11-19 15:00	6.1	0	30	21	0.39	Low	Full Moon
WESTERN HEAD	2021-11-19 16:00	5.8	0	29	17	0.59	Low	Full Moon
WESTERN HEAD	2021-11-19 17:00	4.4	0	27	10	0.88	Flood	Full Moon
WESTERN HEAD	2021-11-19 18:00	2.9	0	28	8	1.21	Flood	Full Moon
WESTERN HEAD	2021-11-19 19:00	2.3	0.2	26	10	1.51	High	Full Moon
WESTERN HEAD	2021-11-19 20:00	1.3	0	27	9	1.6	High	Full Moon
WESTERN HEAD	2021-11-19 21:00	1.4	0	31	10	1.66	High	Full Moon
WESTERN HEAD	2021-11-19 22:00	2	0	29	11	1.45	High	Full Moon
WESTERN HEAD	2021-11-19 23:00	1.3	0	27	11	1.17	Ebb	Full Moon
WESTERN HEAD	2021-11-20 0:00	0.7	0	29	10	0.79	Low	Full Moon
WESTERN HEAD	2021-11-20 1:00	0.9	0	30	11	0.71	Low	Full Moon
WESTERN HEAD	2021-11-20 2:00	-0.4	0	29	9	0.49	Low	Full Moon
WESTERN HEAD	2021-11-20 3:00	-0.5	0	29	10	0.58	Low	Full Moon
WESTERN HEAD	2021-11-20 4:00	0.6	0	28	11	0.69	Low	Full Moon
WESTERN HEAD	2021-11-20 5:00	-0.3	0	28	9	0.97	Flood	Full Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-11-20 6:00	-0.6	0	29	8	1.28	Flood	Full Moon
WESTERN HEAD	2021-11-20 7:00	0.6	0	31	10	1.56	High	Full Moon
WESTERN HEAD	2021-11-20 8:00	0.8	0	31	9	1.75	High	Full Moon
WESTERN HEAD	2021-11-20 9:00	2.7	0	32	18	1.68	High	Full Moon
WESTERN HEAD	2021-11-20 10:00	4	0	32	22	1.54	High	Full Moon
WESTERN HEAD	2021-11-20 11:00	4.9	0	30	20	1.2	Ebb	Full Moon
WESTERN HEAD	2021-11-20 12:00	6.5	0	32	14	0.83	Ebb	Full Moon
WESTERN HEAD	2021-11-20 13:00	6.5	0	34	13	0.55	Low	Full Moon
WESTERN HEAD	2021-11-20 14:00	5.7	0	30	14	0.31	Low	Full Moon
WESTERN HEAD	2021-11-20 15:00	5.7	0	29	15	0.35	Low	Full Moon
WESTERN HEAD	2021-11-20 16:00	4.7	0	29	14	0.39	Low	Full Moon
WESTERN HEAD	2021-11-20 17:00	1.1	0	29	8	0.68	Low	Full Moon
WESTERN HEAD	2021-11-20 18:00	-0.7	0	30	9	0.97	Flood	Full Moon
WESTERN HEAD	2021-11-20 19:00	-0.3	0	30	10	1.28	Flood	Full Moon
WESTERN HEAD	2021-11-20 20:00	-0.8	0	30	10	1.6	High	Full Moon
WESTERN HEAD	2021-11-20 21:00	-1.3	0	30	9	1.66	High	Full Moon
WESTERN HEAD	2021-11-20 22:00	-2.2	0	30	8	1.64	High	Full Moon
WESTERN HEAD	2021-11-20 23:00	-2.6	0	28	9	1.37	High	Full Moon
WESTERN HEAD	2021-11-21 0:00	-2.6	0	27	8	1.1	Ebb	Full Moon
WESTERN HEAD	2021-11-21 1:00	-2.9	0	24	6	0.85	Ebb	Full Moon
WESTERN HEAD	2021-11-21 2:00	-3.3	0	26	7	0.72	Low	Full Moon
WESTERN HEAD	2021-11-21 3:00	-2.1	0	26	4	0.64	Low	Full Moon
WESTERN HEAD	2021-11-21 4:00	-1.8	0	26	8	0.72	Low	Full Moon
WESTERN HEAD	2021-11-21 5:00	-1.9	0	25	6	0.86	Flood	Full Moon
WESTERN HEAD	2021-11-21 6:00	-1.4	0	18	1	1.16	Flood	Full Moon
WESTERN HEAD	2021-11-21 7:00	-1	0	29	4	1.48	High	Full Moon
WESTERN HEAD	2021-11-21 8:00	1.8	0	25	7	1.65	High	Full Moon
WESTERN HEAD	2021-11-21 9:00	3.9	0	26	7	1.77	High	Full Moon
WESTERN HEAD	2021-11-21 10:00	5.6	0	25	8	1.63	High	Full Moon
WESTERN HEAD	2021-11-21 11:00	7.5	0	23	17	1.39	High	Full Moon
WESTERN HEAD	2021-11-21 12:00	8.6	0	21	26	1.02	Ebb	Full Moon
WESTERN HEAD	2021-11-21 13:00	8.9	0	20	29	0.73	Low	Full Moon
WESTERN HEAD	2021-11-21 14:00	8.8	0	20	29	0.45	Low	Full Moon
WESTERN HEAD	2021-11-21 15:00	8.8	0	21	29	0.38	Low	Full Moon
WESTERN HEAD	2021-11-21 16:00	9.1	0	20	28	0.31	Low	Full Moon
WESTERN HEAD	2021-11-21 17:00	9.1	0	20	30	0.48	Low	Full Moon
WESTERN HEAD	2021-11-21 18:00	9.4	0	20	31	0.75	Low	Full Moon
WESTERN HEAD	2021-11-21 19:00	9.6	0	19	32	1.08	Flood	Full Moon
WESTERN HEAD	2021-11-21 20:00	9.7	0	18	32	1.43	High	Full Moon
WESTERN HEAD	2021-11-21 21:00	10.1	0	19	32	1.55	High	Full Moon
WESTERN HEAD	2021-11-21 22:00	10.4	0	18	33	1.67	High	Full Moon
WESTERN HEAD	2021-11-21 23:00	10.5	0	17	32	1.47	High	Full Moon
WESTERN HEAD	2021-11-22 0:00	10.7	0	17	34	1.27	Ebb	Full Moon
WESTERN HEAD	2021-11-22 1:00	10.7	0	17	35	0.94	Ebb	Full Moon
WESTERN HEAD	2021-11-22 2:00	10.8	0	17	31	0.83	Ebb	Full Moon
WESTERN HEAD	2021-11-22 3:00	11	0	16	26	0.65	Low	Full Moon
WESTERN HEAD	2021-11-22 4:00	11	0	15	33	0.77	Low	Full Moon
WESTERN HEAD	2021-11-22 5:00	11	0	15	28	0.85	Flood	Full Moon
WESTERN HEAD	2021-11-22 6:00	11.2	0	15	29	1.07	Flood	Full Moon
WESTERN HEAD	2021-11-22 7:00	11.6	0	14	36	1.37	High	Full Moon
WESTERN HEAD	2021-11-22 8:00	11.7	0	15	37	1.62	High	Full Moon
WESTERN HEAD	2021-11-22 9:00	12	0	15	34	1.86	High	Full Moon
WESTERN HEAD	2021-11-22 10:00	12	0	16	31	1.84	High	Full Moon
WESTERN HEAD	2021-11-22 11:00	12.1	0.2	15	38	1.74	High	Full Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-11-22 12:00	12.4	0.6	16	45	1.42	High	Full Moon
WESTERN HEAD	2021-11-22 13:00	12.6	0	15	50	1.17	Ebb	Full Moon
WESTERN HEAD	2021-11-22 14:00	12.2	1.1	16	43	0.8	Low	Full Moon
WESTERN HEAD	2021-11-22 15:00	12.3	0.8	16	45	0.65	Low	Full Moon
WESTERN HEAD	2021-11-22 16:00	12.1	3.3	17	44	0.57	Low	Full Moon
WESTERN HEAD	2021-11-22 17:00	11.8	7.1	16	36	0.69	Low	Full Moon
WESTERN HEAD	2021-11-22 18:00	11.9	6.6	15	35	0.82	Flood	Full Moon
WESTERN HEAD	2021-11-22 19:00	12	4.3	15	43	1.24	Flood	Full Moon
WESTERN HEAD	2021-11-22 20:00	12.2	2.5	17	43	1.49	High	Full Moon
WESTERN HEAD	2021-11-22 21:00	11.7	2.4	19	43	1.84	High	Full Moon
WESTERN HEAD	2021-11-22 22:00	11	2.2	17	15	1.85	High	Full Moon
WESTERN HEAD	2021-11-22 23:00	11	8.6	3	6	1.84	High	Full Moon
WESTERN HEAD	2021-11-23 0:00	11.1	3.8	28	5	1.83	High	Full Moon
WESTERN HEAD	2021-11-23 1:00	10.8	1.2	23	9	1.78	High	Full Moon
WESTERN HEAD	2021-11-23 2:00	10.7	0	14	4	1.06	Ebb	Full Moon
WESTERN HEAD	2021-11-23 3:00	10.6	0	20	4	1.25	Flood	Full Moon
WESTERN HEAD	2021-11-23 4:00	8.5	0.8	31	17	1.03	Ebb	Full Moon
WESTERN HEAD	2021-11-23 5:00	6.7	1.2	33	13	0.95	Ebb	Full Moon
WESTERN HEAD	2021-11-23 6:00	5.8	1.9	33	18	1.29	Flood	Full Moon
WESTERN HEAD	2021-11-23 7:00	5.3	0.8	33	19	1.25	Ebb	Full Moon
WESTERN HEAD	2021-11-23 8:00	4.8	1.5	33	17	1.8	High	Full Moon
WESTERN HEAD	2021-11-23 9:00	4.7	1.3	33	15	1.72	High	Full Moon
WESTERN HEAD	2021-11-23 10:00	4.5	0.8	33	13	1.97	High	Full Moon
WESTERN HEAD	2021-11-23 11:00	4.6	1.1	34	17	1.77	High	Full Moon
WESTERN HEAD	2021-11-23 12:00	4.6	0.3	34	17	1.75	High	Full Moon
WESTERN HEAD	2021-11-23 13:00	4.3	1.3	33	16	1.38	High	Full Moon
WESTERN HEAD	2021-11-23 14:00	4.6	0.5	33	14	1.06	Ebb	Full Moon
WESTERN HEAD	2021-11-23 15:00	3.9	0	33	18	0.79	Low	Full Moon
WESTERN HEAD	2021-11-23 16:00	3.3	0	33	18	0.62	Low	Full Moon
WESTERN HEAD	2021-11-23 17:00	2.9	0	32	16	0.62	Low	Full Moon
WESTERN HEAD	2021-11-23 18:00	2.7	0	32	17	0.59	Low	Full Moon
WESTERN HEAD	2021-11-23 19:00	2	0	32	20	0.83	Flood	Full Moon
WESTERN HEAD	2021-11-23 20:00	1.6	0	32	18	1.01	Flood	Full Moon
WESTERN HEAD	2021-11-23 21:00	1.5	0	32	22	1.53	High	Full Moon
WESTERN HEAD	2021-11-23 22:00	1.4	0	32	21	1.57	High	Full Moon
WESTERN HEAD	2021-11-23 23:00	1.3	0	33	15	1.58	High	Full Moon
WESTERN HEAD	2021-11-24 0:00	1.1	0	32	15	1.52	High	Full Moon
WESTERN HEAD	2021-11-24 1:00	1.1	0	32	13	1.36	High	Full Moon
WESTERN HEAD	2021-11-24 2:00	0.8	0	33	18	1.04	Ebb	Full Moon
WESTERN HEAD	2021-11-24 3:00	0.7	0	30	16	0.99	Ebb	Full Moon
WESTERN HEAD	2021-11-24 4:00	0.5	0	32	17	0.95	Ebb	Full Moon
WESTERN HEAD	2021-11-24 5:00	0.2	0	33	17	0.88	Ebb	Full Moon
WESTERN HEAD	2021-11-24 6:00	0	0	33	17	1.02	Flood	Full Moon
WESTERN HEAD	2021-11-24 7:00	-0.1	0	33	17	1.1	Flood	Full Moon
WESTERN HEAD	2021-11-24 8:00	0	0	32	12	1.35	High	Full Moon
WESTERN HEAD	2021-11-24 9:00	0.2	0	33	18	1.65	High	Full Moon
WESTERN HEAD	2021-11-24 10:00	-0.1	0.2	32	12	1.94	High	Full Moon
WESTERN HEAD	2021-11-24 11:00	-0.2	0.3	31	16	1.94	High	Full Moon
WESTERN HEAD	2021-11-24 12:00	-0.4	0.6	31	13	1.77	High	Full Moon
WESTERN HEAD	2021-11-24 13:00	-0.3	0.5	32	17	1.61	High	Full Moon
WESTERN HEAD	2021-11-24 14:00	0.1	0.5	32	17	1.2	Ebb	Full Moon
WESTERN HEAD	2021-11-24 15:00	-0.1	0.2	32	19	1.07	Ebb	Full Moon
WESTERN HEAD	2021-11-24 16:00	-0.1	0	33	15	0.85	Ebb	Full Moon
WESTERN HEAD	2021-11-24 17:00	-0.1	0	32	15	0.71	Low	Full Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-11-24 18:00	-0.1	0.5	33	14	0.62	Low	Full Moon
WESTERN HEAD	2021-11-24 19:00	-0.1	0.5	31	16	0.72	Low	Full Moon
WESTERN HEAD	2021-11-24 20:00	0	0	31	8	1.02	Flood	Full Moon
WESTERN HEAD	2021-11-24 21:00	0.1	0	28	7	1.22	Flood	Full Moon
WESTERN HEAD	2021-11-24 22:00	0.1	0	30	8	1.6	High	Full Moon
WESTERN HEAD	2021-11-24 23:00	0.1	0.2	32	12	1.69	High	Full Moon
WESTERN HEAD	2021-11-25 0:00	0.1	0.2	32	18	1.83	High	Full Moon
WESTERN HEAD	2021-11-25 1:00	0.2	0.2	32	20	1.57	High	Full Moon
WESTERN HEAD	2021-11-25 2:00	0.2	0.2	31	18	1.45	High	Full Moon
WESTERN HEAD	2021-11-25 3:00	0.3	0.3	32	17	1.2	Ebb	Full Moon
WESTERN HEAD	2021-11-25 4:00	0.5	0	30	12	1.18	Ebb	Full Moon
WESTERN HEAD	2021-11-25 5:00	0.5	0	31	11	1.08	Ebb	Full Moon
WESTERN HEAD	2021-11-25 6:00	0.4	0	32	10	1.06	Ebb	Full Moon
WESTERN HEAD	2021-11-25 7:00	0.4	0	30	12	1	Ebb	Full Moon
WESTERN HEAD	2021-11-25 8:00	0.5	0	29	14	1.18	Flood	Full Moon
WESTERN HEAD	2021-11-25 9:00	0.6	0	30	14	1.43	High	Full Moon
WESTERN HEAD	2021-11-25 10:00	0.9	0	30	19	1.72	High	Full Moon
WESTERN HEAD	2021-11-25 11:00	1.9	0	33	18	1.88	High	Full Moon
WESTERN HEAD	2021-11-25 12:00	3.9	0	33	19	1.8	High	Full Moon
WESTERN HEAD	2021-11-25 13:00	4.7	0	32	24	1.73	High	Full Moon
WESTERN HEAD	2021-11-25 14:00	4.8	0	33	23	1.44	High	Full Moon
WESTERN HEAD	2021-11-25 15:00	5.3	0	33	24	1.26	Ebb	Full Moon
WESTERN HEAD	2021-11-25 16:00	5.6	0	33	25	1	Ebb	Full Moon
WESTERN HEAD	2021-11-25 17:00	5.4	0	33	25	0.98	Ebb	Full Moon
WESTERN HEAD	2021-11-25 18:00	5.7	0	33	29	0.77	Low	Full Moon
WESTERN HEAD	2021-11-25 19:00	5.8	0	33	31	0.89	Flood	Full Moon
WESTERN HEAD	2021-11-25 20:00	5.7	0	33	25	0.85	Ebb	Full Moon
WESTERN HEAD	2021-11-25 21:00	5.9	0	33	28	1.21	Flood	Full Moon
WESTERN HEAD	2021-11-25 22:00	6.1	0	33	29	1.5	High	Full Moon
WESTERN HEAD	2021-11-25 23:00	6.4	0	33	23	1.81	High	Full Moon
WESTERN HEAD	2021-11-26 0:00	6.9	0	33	26	1.89	High	Full Moon
WESTERN HEAD	2021-11-26 1:00	7	0	32	27	1.87	High	Full Moon
WESTERN HEAD	2021-11-26 2:00	7.5	0	33	22	1.66	High	Full Moon
WESTERN HEAD	2021-11-26 3:00	7.4	0	33	19	1.58	High	Full Moon
WESTERN HEAD	2021-11-26 4:00	6.8	1.1	32	10	1.36	High	Full Moon
WESTERN HEAD	2021-11-26 5:00	6.9	0.3	35	8	1.32	High	Full Moon
WESTERN HEAD	2021-11-26 6:00	6.8	0	31	8	1.17	Ebb	Full Moon
WESTERN HEAD	2021-11-26 7:00	6.7	0	32	6	1.11	Ebb	Full Moon
WESTERN HEAD	2021-11-26 8:00	6.7	0.2	33	9	1.2	Flood	Full Moon
WESTERN HEAD	2021-11-26 9:00	7.3	0	28	6	1.33	High	Full Moon
WESTERN HEAD	2021-11-26 10:00	8	0.2	32	8	1.56	High	Full Moon
WESTERN HEAD	2021-11-26 11:00	8.3	0	2	3	1.76	High	Full Moon
WESTERN HEAD	2021-11-26 12:00	8.3	0	15	4	1.95	High	Full Moon
WESTERN HEAD	2021-11-26 13:00	8.3	0	19	15	1.87	High	Full Moon
WESTERN HEAD	2021-11-26 14:00	9	0	22	16	1.78	High	Full Moon
WESTERN HEAD	2021-11-26 15:00	9	0	23	14	1.53	High	Full Moon
WESTERN HEAD	2021-11-26 16:00	8.7	0.2	24	15	1.31	High	Full Moon
WESTERN HEAD	2021-11-26 17:00	8.4	0	23	22	1.13	Ebb	Full Moon
WESTERN HEAD	2021-11-26 18:00	8.1	0	23	19	0.99	Ebb	Full Moon
WESTERN HEAD	2021-11-26 19:00	7.7	0	23	12	0.86	Ebb	Full Moon
WESTERN HEAD	2021-11-26 20:00	8.3	0	21	14	0.93	Flood	Full Moon
WESTERN HEAD	2021-11-26 21:00	9.4	0	19	17	1	Flood	Full Moon
WESTERN HEAD	2021-11-26 22:00	9.1	0	20	18	1.32	High	Full Moon
WESTERN HEAD	2021-11-26 23:00	9.3	0	17	20	1.64	High	Full Moon

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-11-27 0:00	9.5	0	15	18	1.79	High	Full Moon
WESTERN HEAD	2021-11-27 1:00	9.9	0	14	26	1.95	High	Full Moon
WESTERN HEAD	2021-11-27 2:00	10.3	0.3	15	34	1.88	High	Full Moon
WESTERN HEAD	2021-11-27 3:00	6.9	1.4	24	23	1.82	High	Full Moon
WESTERN HEAD	2021-11-27 4:00	7.2	0	23	29	1.7	High	Full Moon
WESTERN HEAD	2021-11-27 5:00	7.2	0	22	35	1.49	High	Full Moon
WESTERN HEAD	2021-11-27 6:00	6.9	0	22	44	1.29	Ebb	Full Moon
WESTERN HEAD	2021-11-27 7:00	6.3	0	22	46	1.22	Ebb	Full Moon
WESTERN HEAD	2021-11-27 8:00	7.2	0	21	49	1.08	Ebb	Last Quarter
WESTERN HEAD	2021-11-27 9:00	7.5	0	22	48	1.22	Flood	Last Quarter
WESTERN HEAD	2021-11-27 10:00	6.4	0	23	44	1.34	High	Last Quarter
WESTERN HEAD	2021-11-27 11:00	5.2	0	25	28	1.54	High	Last Quarter
WESTERN HEAD	2021-11-27 12:00	6.2	0	25	27	1.67	High	Last Quarter
WESTERN HEAD	2021-11-27 13:00	4.7	0	25	30	1.79	High	Last Quarter
WESTERN HEAD	2021-11-27 14:00	4.7	0	25	32	1.68	High	Last Quarter
WESTERN HEAD	2021-11-27 15:00	3.2	0.2	25	29	1.55	High	Last Quarter
WESTERN HEAD	2021-11-27 16:00	2.3	0	25	23	1.37	High	Last Quarter
WESTERN HEAD	2021-11-27 17:00	1	0	27	16	1.12	Ebb	Last Quarter
WESTERN HEAD	2021-11-27 18:00	1.1	0.2	26	23	0.99	Ebb	Last Quarter
WESTERN HEAD	2021-11-27 19:00	1.3	0	25	21	0.72	Low	Last Quarter
WESTERN HEAD	2021-11-27 20:00	1.2	0	27	14	0.65	Low	Last Quarter
WESTERN HEAD	2021-11-27 21:00	1.5	0	25	16	0.65	Low	Last Quarter
WESTERN HEAD	2021-11-27 22:00	1.5	0	25	15	0.91	Flood	Last Quarter
WESTERN HEAD	2021-11-27 23:00	1.8	0	25	18	1.15	Flood	Last Quarter
WESTERN HEAD	2021-11-28 0:00	1.5	0	25	13	1.36	High	Last Quarter
WESTERN HEAD	2021-11-28 1:00	1.1	0	26	9	1.58	High	Last Quarter
WESTERN HEAD	2021-11-28 2:00	1.6	0	26	19	1.68	High	Last Quarter
WESTERN HEAD	2021-11-28 3:00	0.9	0	26	14	1.67	High	Last Quarter
WESTERN HEAD	2021-11-28 4:00	0.5	0	26	12	1.48	High	Last Quarter
WESTERN HEAD	2021-11-28 5:00	-0.2	0	25	13	1.38	High	Last Quarter
WESTERN HEAD	2021-11-28 6:00	0.1	0	25	13	1.18	Ebb	Last Quarter
WESTERN HEAD	2021-11-28 7:00	0.1	0	26	15	1.02	Ebb	Last Quarter
WESTERN HEAD	2021-11-28 8:00	-0.1	0	26	14	0.87	Ebb	Last Quarter
WESTERN HEAD	2021-11-28 9:00	1.6	0	25	17	0.76	Low	Last Quarter
WESTERN HEAD	2021-11-28 10:00	2.4	0	26	25	0.82	Flood	Last Quarter
WESTERN HEAD	2021-11-28 11:00	3.6	0	25	22	1.04	Flood	Last Quarter
WESTERN HEAD	2021-11-28 12:00	4.1	0	26	21	1.32	High	Last Quarter
WESTERN HEAD	2021-11-28 13:00	5.1	0	25	21	1.52	High	Last Quarter
WESTERN HEAD	2021-11-28 14:00	4.8	0	24	23	1.53	High	Last Quarter
WESTERN HEAD	2021-11-28 15:00	4.8	0	24	23	1.47	High	Last Quarter
WESTERN HEAD	2021-11-28 16:00	4	0	24	22	1.42	High	Last Quarter
WESTERN HEAD	2021-11-28 17:00	3.4	0	24	17	1.27	Ebb	Last Quarter
WESTERN HEAD	2021-11-28 18:00	1.7	0	26	9	1.02	Ebb	Last Quarter
WESTERN HEAD	2021-11-28 19:00	1.9	0	26	10	0.77	Low	Last Quarter
WESTERN HEAD	2021-11-28 20:00	2.5	0	24	13	0.61	Low	Last Quarter
WESTERN HEAD	2021-11-28 21:00	0.5	0	28	7	0.47	Low	Last Quarter
WESTERN HEAD	2021-11-28 22:00	0.9	0	25	9	0.59	Low	Last Quarter
WESTERN HEAD	2021-11-28 23:00	-0.3	0	27	7	0.75	Low	Last Quarter
WESTERN HEAD	2021-11-29 0:00	0.2	0	25	8	1.07	Flood	Last Quarter
WESTERN HEAD	2021-11-29 1:00	1	0	27	6	1.36	High	Last Quarter
WESTERN HEAD	2021-11-29 2:00	2	0	24	2	1.54	High	Last Quarter
WESTERN HEAD	2021-11-29 3:00	3	0	2	5	1.66	High	Last Quarter
WESTERN HEAD	2021-11-29 4:00	3.5	0	1	6	1.63	High	Last Quarter
WESTERN HEAD	2021-11-29 5:00	4.7	0	4	7	1.55	High	Last Quarter

Table 21: Fall 2021 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2021-11-29 6:00	7.9	0	14	27	1.39	High	Last Quarter
WESTERN HEAD	2021-11-29 7:00	8	0	11	26	1.16	Ebb	Last Quarter
WESTERN HEAD	2021-11-29 8:00	8.3	1.2	12	32	0.95	Ebb	Last Quarter
WESTERN HEAD	2021-11-29 9:00	8.8	3.5	10	36	0.79	Low	Last Quarter
WESTERN HEAD	2021-11-29 10:00	10.1	1.8	13	42	0.77	Low	Last Quarter
WESTERN HEAD	2021-11-29 11:00	10.1	1.7	12	47	0.96	Flood	Last Quarter
WESTERN HEAD	2021-11-29 12:00	10.1	1.9	13	38	1.17	Flood	Last Quarter
WESTERN HEAD	2021-11-29 13:00	10	3.6	12	27	1.42	High	Last Quarter
WESTERN HEAD	2021-11-29 14:00	10	2.7	13	10	1.65	High	Last Quarter
WESTERN HEAD	2021-11-29 15:00	10	1.2	9	4	1.79	High	Last Quarter
WESTERN HEAD	2021-11-29 16:00	9.5	0.7	5	7	1.86	High	Last Quarter
WESTERN HEAD	2021-11-29 17:00	9.2	0.2	31	4	1.64	High	Last Quarter
WESTERN HEAD	2021-11-29 18:00	6	0.2	31	17	1.52	High	Last Quarter
WESTERN HEAD	2021-11-29 19:00	4.6	0.2	32	23	1.18	Ebb	Last Quarter
WESTERN HEAD	2021-11-29 20:00	4.4	0	33	21	0.95	Ebb	Last Quarter
WESTERN HEAD	2021-11-29 21:00	3.3	0	32	25	0.66	Low	Last Quarter
WESTERN HEAD	2021-11-29 22:00	2.5	0	32	25	0.61	Low	Last Quarter
WESTERN HEAD	2021-11-29 23:00	2	0	33	19	0.62	Low	Last Quarter
WESTERN HEAD	2021-11-30 0:00	1.6	0	31	13	0.94	Flood	Last Quarter
WESTERN HEAD	2021-11-30 1:00	1.7	0	30	16	1.22	Flood	Last Quarter
WESTERN HEAD	2021-11-30 2:00	1.7	0	31	16	1.54	High	Last Quarter
WESTERN HEAD	2021-11-30 3:00	1.2	0	29	12	1.67	High	Last Quarter
WESTERN HEAD	2021-11-30 4:00	0.7	0	29	13	1.81	High	Last Quarter
WESTERN HEAD	2021-11-30 5:00	0.3	0	28	19	1.82	High	Last Quarter
WESTERN HEAD	2021-11-30 6:00	0.1	0	28	18	1.65	High	Last Quarter
WESTERN HEAD	2021-11-30 7:00	-0.5	0	27	21	1.41	High	Last Quarter
WESTERN HEAD	2021-11-30 8:00	-1.2	0	28	24	1.02	Ebb	Last Quarter
WESTERN HEAD	2021-11-30 9:00	-0.7	0	28	21	0.82	Ebb	Last Quarter
WESTERN HEAD	2021-11-30 10:00	-0.6	0	29	28	0.64	Low	Last Quarter
WESTERN HEAD	2021-11-30 11:00	0.4	0	28	28	0.58	Low	Last Quarter
WESTERN HEAD	2021-11-30 12:00	0.4	0	28	22	0.7	Low	Last Quarter
WESTERN HEAD	2021-11-30 13:00	0.8	0	27	25	0.88	Flood	Last Quarter
WESTERN HEAD	2021-11-30 14:00	1.4	0	26	28	1.23	Flood	Last Quarter
WESTERN HEAD	2021-11-30 15:00	1	0	26	28	1.43	High	Last Quarter
WESTERN HEAD	2021-11-30 16:00	0.2	0	28	20	1.62	High	Last Quarter
WESTERN HEAD	2021-11-30 17:00	-0.5	0	25	17	1.53	High	Last Quarter
WESTERN HEAD	2021-11-30 18:00	-0.2	0	25	16	1.47	High	Last Quarter
WESTERN HEAD	2021-11-30 19:00	0.1	0	25	16	1.15	Ebb	Last Quarter
WESTERN HEAD	2021-11-30 20:00	0.3	0	25	17	1.02	Ebb	Last Quarter
WESTERN HEAD	2021-11-30 21:00	0.3	0	25	12	0.57	Low	Last Quarter
WESTERN HEAD	2021-11-30 22:00	0	0	27	7	0.47	Low	Last Quarter
WESTERN HEAD	2021-11-30 23:00	-0.3	0	29	4	0.21	Low	Last Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-03-15 0:00	0.4	0	24	13	0.78	Low	First Quarter
WESTERN HEAD	2022-03-15 1:00	0.5	0	23	11	0.78	Low	First Quarter
WESTERN HEAD	2022-03-15 2:00	-1.3	0	23	8	0.94	Flood	First Quarter
WESTERN HEAD	2022-03-15 3:00	0.3	0	23	9	1.08	Flood	First Quarter
WESTERN HEAD	2022-03-15 4:00	1.6	0	23	11	1.36	High	First Quarter
WESTERN HEAD	2022-03-15 5:00	2.3	0	25	11	1.46	High	First Quarter
WESTERN HEAD	2022-03-15 6:00	3	0	25	11	1.54	High	First Quarter
WESTERN HEAD	2022-03-15 7:00	2.9	0	21	10	1.46	High	First Quarter
WESTERN HEAD	2022-03-15 8:00	4.1	0	22	13	1.27	Ebb	First Quarter
WESTERN HEAD	2022-03-15 9:00	4.2	0	23	11	1.02	Ebb	First Quarter
WESTERN HEAD	2022-03-15 10:00	5.1	0	24	8	0.69	Low	First Quarter
WESTERN HEAD	2022-03-15 11:00	6.1	0	25	7	0.48	Low	First Quarter
WESTERN HEAD	2022-03-15 12:00	7.9	0	30	16	0.24	Low	First Quarter
WESTERN HEAD	2022-03-15 13:00	9	0	29	16	N/A	High	First Quarter
WESTERN HEAD	2022-03-15 14:00	11.6	0	26	17	N/A	High	First Quarter
WESTERN HEAD	2022-03-15 15:00	10.3	0	30	16	N/A	High	First Quarter
WESTERN HEAD	2022-03-15 16:00	10.8	0	30	8	N/A	High	First Quarter
WESTERN HEAD	2022-03-15 17:00	8.4	0	32	13	1.32	High	First Quarter
WESTERN HEAD	2022-03-15 18:00	7.1	0	30	10	1.57	High	First Quarter
WESTERN HEAD	2022-03-15 19:00	3.9	0	31	9	1.6	High	First Quarter
WESTERN HEAD	2022-03-15 20:00	2	0	33	5	1.54	High	First Quarter
WESTERN HEAD	2022-03-15 21:00	1.4	0	33	7	1.34	High	First Quarter
WESTERN HEAD	2022-03-15 22:00	2.8	0	35	10	1.07	Ebb	First Quarter
WESTERN HEAD	2022-03-15 23:00	2.5	0	1	5	0.88	Ebb	First Quarter
WESTERN HEAD	2022-03-16 0:00	2.4	0	2	5	0.69	Low	First Quarter
WESTERN HEAD	2022-03-16 1:00	2.4	0	4	8	0.67	Low	First Quarter
WESTERN HEAD	2022-03-16 2:00	2.6	0	7	19	0.77	Low	First Quarter
WESTERN HEAD	2022-03-16 3:00	2.1	0	7	21	1.02	Flood	First Quarter
WESTERN HEAD	2022-03-16 4:00	1.2	0	7	25	1.29	Flood	First Quarter
WESTERN HEAD	2022-03-16 5:00	0.6	0.2	7	24	1.61	High	First Quarter
WESTERN HEAD	2022-03-16 6:00	0.3	0.8	6	19	1.75	High	First Quarter
WESTERN HEAD	2022-03-16 7:00	0.1	0.9	5	16	1.84	High	First Quarter
WESTERN HEAD	2022-03-16 8:00	0	1.1	5	17	1.73	High	First Quarter
WESTERN HEAD	2022-03-16 9:00	0.4	1.4	7	25	1.47	High	First Quarter
WESTERN HEAD	2022-03-16 10:00	0.6	2.4	7	24	1.12	Ebb	First Quarter
WESTERN HEAD	2022-03-16 11:00	1.5	0	6	18	0.77	Low	First Quarter
WESTERN HEAD	2022-03-16 12:00	2.5	0	6	17	0.51	Low	First Quarter
WESTERN HEAD	2022-03-16 13:00	2.1	0	5	10	0.39	Low	First Quarter
WESTERN HEAD	2022-03-16 14:00	2.3	0	6	9	0.38	Low	First Quarter
WESTERN HEAD	2022-03-16 15:00	2.2	0	7	7	0.65	Low	First Quarter
WESTERN HEAD	2022-03-16 16:00	2.1	0	8	4	0.9	Flood	First Quarter
WESTERN HEAD	2022-03-16 17:00	1.8	0	13	8	1.34	High	First Quarter
WESTERN HEAD	2022-03-16 18:00	1.6	0	16	15	1.61	High	First Quarter
WESTERN HEAD	2022-03-16 19:00	1.5	0	16	18	1.71	High	First Quarter
WESTERN HEAD	2022-03-16 20:00	1.4	0	18	22	1.75	High	First Quarter
WESTERN HEAD	2022-03-16 21:00	1.2	0	19	21	1.55	High	First Quarter
WESTERN HEAD	2022-03-16 22:00	1.3	0	20	17	1.29	Ebb	First Quarter
WESTERN HEAD	2022-03-16 23:00	1.6	0	21	17	0.96	Ebb	First Quarter
WESTERN HEAD	2022-03-17 0:00	1.7	0	22	23	0.69	Low	First Quarter
WESTERN HEAD	2022-03-17 1:00	1.2	0	24	28	0.51	Low	First Quarter
WESTERN HEAD	2022-03-17 2:00	1.4	0	23	19	0.56	Low	First Quarter
WESTERN HEAD	2022-03-17 3:00	1.7	0	22	18	0.67	Low	First Quarter
WESTERN HEAD	2022-03-17 4:00	1.9	0	20	19	0.91	Flood	First Quarter
WESTERN HEAD	2022-03-17 5:00	2.2	0	21	16	1.31	High	First Quarter
WESTERN HEAD	2022-03-17 6:00	2	0	20	22	1.58	High	First Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-03-17 7:00	2.1	0	19	22	1.78	High	First Quarter
WESTERN HEAD	2022-03-17 8:00	1.8	0	18	22	1.74	High	First Quarter
WESTERN HEAD	2022-03-17 9:00	1.7	0	17	26	1.56	High	First Quarter
WESTERN HEAD	2022-03-17 10:00	2.3	0	20	23	1.18	Ebb	First Quarter
WESTERN HEAD	2022-03-17 11:00	4.3	0	20	24	0.87	Ebb	First Quarter
WESTERN HEAD	2022-03-17 12:00	6	0	20	21	0.58	Low	First Quarter
WESTERN HEAD	2022-03-17 13:00	6.5	0	20	19	0.31	Low	First Quarter
WESTERN HEAD	2022-03-17 14:00	6.6	0	20	16	0.17	Low	First Quarter
WESTERN HEAD	2022-03-17 15:00	5.9	0	20	12	0.34	Low	First Quarter
WESTERN HEAD	2022-03-17 16:00	5.8	0	22	7	0.55	Low	First Quarter
WESTERN HEAD	2022-03-17 17:00	5.6	0	22	13	1.06	Flood	First Quarter
WESTERN HEAD	2022-03-17 18:00	4.5	0	20	9	1.38	High	First Quarter
WESTERN HEAD	2022-03-17 19:00	2.1	0	19	5	1.65	High	First Quarter
WESTERN HEAD	2022-03-17 20:00	2	0	7	3	1.78	High	First Quarter
WESTERN HEAD	2022-03-17 21:00	3	0	7	2	1.67	High	First Quarter
WESTERN HEAD	2022-03-17 22:00	3.9	0	13	4	1.43	High	First Quarter
WESTERN HEAD	2022-03-17 23:00	4.1	0	13	1	1.05	Ebb	First Quarter
WESTERN HEAD	2022-03-18 0:00	4	0	1	8	0.77	Low	First Quarter
WESTERN HEAD	2022-03-18 1:00	4.1	0	1	7	0.51	Low	First Quarter
WESTERN HEAD	2022-03-18 2:00	4	0	36	9	0.46	Low	First Quarter
WESTERN HEAD	2022-03-18 3:00	4	0	36	8	0.46	Low	First Quarter
WESTERN HEAD	2022-03-18 4:00	3.8	0	2	6	0.76	Low	Full Moon
WESTERN HEAD	2022-03-18 5:00	4.4	0	36	7	1.08	Flood	Full Moon
WESTERN HEAD	2022-03-18 6:00	4.8	0	1	8	1.59	High	Full Moon
WESTERN HEAD	2022-03-18 7:00	4.9	0	36	10	1.82	High	Full Moon
WESTERN HEAD	2022-03-18 8:00	6.4	0	35	6	1.94	High	Full Moon
WESTERN HEAD	2022-03-18 9:00	6.8	0	20	1	1.88	High	Full Moon
WESTERN HEAD	2022-03-18 10:00	9.4	0	4	5	1.6	High	Full Moon
WESTERN HEAD	2022-03-18 11:00	8.9	0	9	6	1.29	Ebb	Full Moon
WESTERN HEAD	2022-03-18 12:00	10	0	8	4	0.87	Ebb	Full Moon
WESTERN HEAD	2022-03-18 13:00	10	0	19	7	0.58	Low	Full Moon
WESTERN HEAD	2022-03-18 14:00	8.7	0	23	17	0.37	Low	Full Moon
WESTERN HEAD	2022-03-18 15:00	9.5	0	22	18	0.38	Low	Full Moon
WESTERN HEAD	2022-03-18 16:00	10.6	0	21	14	0.6	Low	Full Moon
WESTERN HEAD	2022-03-18 17:00	18.3	0	32	14	0.86	Flood	Full Moon
WESTERN HEAD	2022-03-18 18:00	16.3	0	33	13	1.39	High	Full Moon
WESTERN HEAD	2022-03-18 19:00	13.4	0	32	14	1.74	High	Full Moon
WESTERN HEAD	2022-03-18 20:00	10.4	0	31	10	1.94	High	Full Moon
WESTERN HEAD	2022-03-18 21:00	10.3	0	31	11	1.94	High	Full Moon
WESTERN HEAD	2022-03-18 22:00	10.5	0	30	10	1.69	High	Full Moon
WESTERN HEAD	2022-03-18 23:00	9.9	0	32	10	1.43	High	Full Moon
WESTERN HEAD	2022-03-19 0:00	8.1	0	4	8	0.95	Ebb	Full Moon
WESTERN HEAD	2022-03-19 1:00	6.5	0	2	7	0.72	Low	Full Moon
WESTERN HEAD	2022-03-19 2:00	5.7	0	4	8	0.34	Low	Full Moon
WESTERN HEAD	2022-03-19 3:00	5.3	0	6	8	0.41	Low	Full Moon
WESTERN HEAD	2022-03-19 4:00	5	0	5	8	0.42	Low	Full Moon
WESTERN HEAD	2022-03-19 5:00	4.8	0	4	10	0.77	Low	Full Moon
WESTERN HEAD	2022-03-19 6:00	4.2	0	7	25	1.09	Flood	Full Moon
WESTERN HEAD	2022-03-19 7:00	3.6	0	8	22	1.61	High	Full Moon
WESTERN HEAD	2022-03-19 8:00	3.5	0	8	20	1.83	High	Full Moon
WESTERN HEAD	2022-03-19 9:00	3.4	0	8	22	1.9	High	Full Moon
WESTERN HEAD	2022-03-19 10:00	3.9	0	8	23	1.77	High	Full Moon
WESTERN HEAD	2022-03-19 11:00	4.5	0	8	20	1.41	High	Full Moon
WESTERN HEAD	2022-03-19 12:00	4.7	0	8	22	0.99	Ebb	Full Moon
WESTERN HEAD	2022-03-19 13:00	4.1	0	7	24	0.68	Low	Full Moon

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-03-19 14:00	3.7	0	8	23	0.31	Low	Full Moon
WESTERN HEAD	2022-03-19 15:00	3.1	0	8	20	0.32	Low	Full Moon
WESTERN HEAD	2022-03-19 16:00	2.6	0	7	24	0.35	Low	Full Moon
WESTERN HEAD	2022-03-19 17:00	3	0	7	23	0.61	Low	Full Moon
WESTERN HEAD	2022-03-19 18:00	3.1	0	7	23	1.08	Flood	Full Moon
WESTERN HEAD	2022-03-19 19:00	2.8	1.3	6	22	1.5	High	Full Moon
WESTERN HEAD	2022-03-19 20:00	3	4.1	7	24	1.92	High	Full Moon
WESTERN HEAD	2022-03-19 21:00	3.3	5.6	7	21	2.04	High	Full Moon
WESTERN HEAD	2022-03-19 22:00	3.9	7.5	4	9	2.05	High	Full Moon
WESTERN HEAD	2022-03-19 23:00	4.6	6.9	3	6	1.73	High	Full Moon
WESTERN HEAD	2022-03-20 0:00	4.9	5.5	7	10	1.42	High	Full Moon
WESTERN HEAD	2022-03-20 1:00	5.7	1.7	7	6	1.03	Ebb	Full Moon
WESTERN HEAD	2022-03-20 2:00	5.5	3.7	4	8	0.68	Low	Full Moon
WESTERN HEAD	2022-03-20 3:00	4.5	1	36	8	0.58	Low	Full Moon
WESTERN HEAD	2022-03-20 4:00	4.7	0.2	2	4	0.5	Low	Full Moon
WESTERN HEAD	2022-03-20 5:00	5.6	0.3	16	8	0.72	Low	Full Moon
WESTERN HEAD	2022-03-20 6:00	5.8	0	18	21	1.05	Flood	Full Moon
WESTERN HEAD	2022-03-20 7:00	5.8	0	20	22	1.44	High	Full Moon
WESTERN HEAD	2022-03-20 8:00	5.8	0	21	24	1.96	High	Full Moon
WESTERN HEAD	2022-03-20 9:00	5.9	0	20	27	2.01	High	Full Moon
WESTERN HEAD	2022-03-20 10:00	6.3	0	21	19	2.16	High	Full Moon
WESTERN HEAD	2022-03-20 11:00	9.1	0	21	12	1.7	High	Full Moon
WESTERN HEAD	2022-03-20 12:00	16.8	0	24	18	1.52	High	Full Moon
WESTERN HEAD	2022-03-20 13:00	9.5	0	21	12	0.94	Ebb	Full Moon
WESTERN HEAD	2022-03-20 14:00	9.6	0	19	12	0.73	Low	Full Moon
WESTERN HEAD	2022-03-20 15:00	8.9	0	21	9	0.41	Low	Full Moon
WESTERN HEAD	2022-03-20 16:00	7.2	0	22	10	0.49	Low	Full Moon
WESTERN HEAD	2022-03-20 17:00	9	0	25	4	0.53	Low	Full Moon
WESTERN HEAD	2022-03-20 18:00	13.2	0	31	8	0.92	Flood	Full Moon
WESTERN HEAD	2022-03-20 19:00	6	0	22	8	1.3	High	Full Moon
WESTERN HEAD	2022-03-20 20:00	5.9	0	24	5	1.76	High	Full Moon
WESTERN HEAD	2022-03-20 21:00	9.3	0	32	9	2.07	High	Full Moon
WESTERN HEAD	2022-03-20 22:00	7	0	35	5	2.15	High	Full Moon
WESTERN HEAD	2022-03-20 23:00	7.8	0	34	6	2.02	High	Full Moon
WESTERN HEAD	2022-03-21 0:00	7.1	0	34	5	1.7	High	Full Moon
WESTERN HEAD	2022-03-21 1:00	6.4	0	34	6	1.27	Ebb	Full Moon
WESTERN HEAD	2022-03-21 2:00	4.6	0	31	9	0.9	Ebb	Full Moon
WESTERN HEAD	2022-03-21 3:00	6.2	0	29	7	0.64	Low	Full Moon
WESTERN HEAD	2022-03-21 4:00	6.5	0	33	7	0.52	Low	Full Moon
WESTERN HEAD	2022-03-21 5:00	6.5	0	31	8	0.57	Low	Full Moon
WESTERN HEAD	2022-03-21 6:00	6.4	0	31	8	0.8	Low	Full Moon
WESTERN HEAD	2022-03-21 7:00	5.5	0.5	33	12	1.12	Flood	Full Moon
WESTERN HEAD	2022-03-21 8:00	4	0.7	32	20	1.6	High	Full Moon
WESTERN HEAD	2022-03-21 9:00	3.2	0.3	31	17	1.86	High	Full Moon
WESTERN HEAD	2022-03-21 10:00	3.5	0	31	20	2.06	High	Full Moon
WESTERN HEAD	2022-03-21 11:00	4.1	0	30	21	1.99	High	Full Moon
WESTERN HEAD	2022-03-21 12:00	3.3	0	31	29	1.76	High	Full Moon
WESTERN HEAD	2022-03-21 13:00	4.2	0	31	25	1.32	High	Full Moon
WESTERN HEAD	2022-03-21 14:00	4.6	0	31	21	1	Ebb	Full Moon
WESTERN HEAD	2022-03-21 15:00	4.7	0	31	24	0.63	Low	Full Moon
WESTERN HEAD	2022-03-21 16:00	7.6	0	30	20	0.51	Low	Full Moon
WESTERN HEAD	2022-03-21 17:00	6	0	29	19	0.52	Low	Full Moon
WESTERN HEAD	2022-03-21 18:00	3.3	0	28	16	0.69	Low	Full Moon
WESTERN HEAD	2022-03-21 19:00	2.7	0	29	10	1	Flood	Full Moon
WESTERN HEAD	2022-03-21 20:00	1.3	0	27	16	1.45	High	Full Moon

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-03-21 21:00	0.8	0	27	11	1.78	High	Full Moon
WESTERN HEAD	2022-03-21 22:00	0.3	0.2	27	18	2.08	High	Full Moon
WESTERN HEAD	2022-03-21 23:00	0.4	0	28	18	2.07	High	Full Moon
WESTERN HEAD	2022-03-22 0:00	0.2	0	28	14	1.87	High	Full Moon
WESTERN HEAD	2022-03-22 1:00	0	0	28	12	1.47	High	Full Moon
WESTERN HEAD	2022-03-22 2:00	0.1	0	27	14	1.05	Ebb	Full Moon
WESTERN HEAD	2022-03-22 3:00	0.5	0	27	15	0.74	Low	Full Moon
WESTERN HEAD	2022-03-22 4:00	0.1	0	28	19	0.54	Low	Full Moon
WESTERN HEAD	2022-03-22 5:00	-0.4	0	27	18	0.31	Low	Full Moon
WESTERN HEAD	2022-03-22 6:00	-0.3	0	28	22	0.52	Low	Full Moon
WESTERN HEAD	2022-03-22 7:00	0	0	29	18	0.6	Low	Full Moon
WESTERN HEAD	2022-03-22 8:00	0.5	0	27	19	1.1	Flood	Full Moon
WESTERN HEAD	2022-03-22 9:00	1.2	0	29	20	1.41	High	Full Moon
WESTERN HEAD	2022-03-22 10:00	1.7	0	28	26	1.77	High	Full Moon
WESTERN HEAD	2022-03-22 11:00	4	0	28	26	1.86	High	Full Moon
WESTERN HEAD	2022-03-22 12:00	3.5	0	30	27	1.82	High	Full Moon
WESTERN HEAD	2022-03-22 13:00	3.5	0	29	29	1.48	High	Full Moon
WESTERN HEAD	2022-03-22 14:00	5.6	0	28	28	1.22	Ebb	Full Moon
WESTERN HEAD	2022-03-22 15:00	4.6	0	29	32	0.82	Ebb	Full Moon
WESTERN HEAD	2022-03-22 16:00	4.1	0	29	32	0.66	Low	Full Moon
WESTERN HEAD	2022-03-22 17:00	3.5	0	29	30	0.51	Low	Full Moon
WESTERN HEAD	2022-03-22 18:00	2.7	0	31	21	0.53	Low	Full Moon
WESTERN HEAD	2022-03-22 19:00	1	0	31	18	0.74	Low	Full Moon
WESTERN HEAD	2022-03-22 20:00	0.3	0	32	18	1.03	Flood	Full Moon
WESTERN HEAD	2022-03-22 21:00	-0.1	0	31	20	1.45	High	Full Moon
WESTERN HEAD	2022-03-22 22:00	-0.1	0	31	28	1.8	High	Full Moon
WESTERN HEAD	2022-03-22 23:00	-0.2	0	31	25	1.93	High	Full Moon
WESTERN HEAD	2022-03-23 0:00	0.1	0	31	24	1.92	High	Full Moon
WESTERN HEAD	2022-03-23 1:00	-0.1	0	30	22	1.66	High	Full Moon
WESTERN HEAD	2022-03-23 2:00	-0.2	0	30	20	1.33	High	Full Moon
WESTERN HEAD	2022-03-23 3:00	-0.3	0	29	16	1.01	Ebb	Full Moon
WESTERN HEAD	2022-03-23 4:00	-0.7	0	29	14	0.63	Low	Full Moon
WESTERN HEAD	2022-03-23 5:00	-0.6	0	30	17	0.43	Low	Full Moon
WESTERN HEAD	2022-03-23 6:00	-0.9	0	31	15	0.35	Low	Full Moon
WESTERN HEAD	2022-03-23 7:00	-0.4	0	31	15	0.45	Low	Full Moon
WESTERN HEAD	2022-03-23 8:00	1.6	0	32	19	0.7	Low	Full Moon
WESTERN HEAD	2022-03-23 9:00	3.7	0	35	16	1.07	Flood	Full Moon
WESTERN HEAD	2022-03-23 10:00	5.5	0	36	13	1.45	High	Full Moon
WESTERN HEAD	2022-03-23 11:00	5.6	0	35	15	1.72	High	Full Moon
WESTERN HEAD	2022-03-23 12:00	7.4	0	34	19	1.83	High	Full Moon
WESTERN HEAD	2022-03-23 13:00	8.8	0	34	15	1.66	High	Full Moon
WESTERN HEAD	2022-03-23 14:00	8.2	0	35	12	1.5	High	Full Moon
WESTERN HEAD	2022-03-23 15:00	7.2	0	36	12	1.13	Ebb	Full Moon
WESTERN HEAD	2022-03-23 16:00	8.4	0	35	13	0.99	Ebb	Full Moon
WESTERN HEAD	2022-03-23 17:00	7.2	0	35	11	0.77	Low	Full Moon
WESTERN HEAD	2022-03-23 18:00	5.3	0	35	11	0.66	Low	Full Moon
WESTERN HEAD	2022-03-23 19:00	3.5	0	36	12	0.63	Low	Full Moon
WESTERN HEAD	2022-03-23 20:00	2.2	0	36	5	0.85	Flood	Full Moon
WESTERN HEAD	2022-03-23 21:00	0.9	0	36	6	1.17	Flood	Full Moon
WESTERN HEAD	2022-03-23 22:00	0.2	0	35	8	1.56	High	Full Moon
WESTERN HEAD	2022-03-23 23:00	-0.6	0	35	6	1.78	High	Full Moon
WESTERN HEAD	2022-03-24 0:00	-1.8	0	34	6	1.93	High	Full Moon
WESTERN HEAD	2022-03-24 1:00	-2.8	0	32	8	1.81	High	Full Moon
WESTERN HEAD	2022-03-24 2:00	-2.4	0	33	9	1.6	High	Full Moon
WESTERN HEAD	2022-03-24 3:00	-2.8	0	33	10	1.21	Ebb	Full Moon

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-03-24 4:00	-2.9	0	33	9	0.94	Ebb	Full Moon
WESTERN HEAD	2022-03-24 5:00	-2.8	0	33	6	0.66	Low	Full Moon
WESTERN HEAD	2022-03-24 6:00	-2.7	0	33	10	0.52	Low	Full Moon
WESTERN HEAD	2022-03-24 7:00	-1.3	0	33	9	0.4	Low	Full Moon
WESTERN HEAD	2022-03-24 8:00	1.1	0	35	7	0.49	Low	Full Moon
WESTERN HEAD	2022-03-24 9:00	3.7	0	3	9	0.7	Low	Full Moon
WESTERN HEAD	2022-03-24 10:00	3.3	0	7	3	1.08	Flood	Full Moon
WESTERN HEAD	2022-03-24 11:00	3.5	0	9	12	1.46	High	Full Moon
WESTERN HEAD	2022-03-24 12:00	4.3	0	9	18	1.6	High	Full Moon
WESTERN HEAD	2022-03-24 13:00	3.6	0	9	14	1.7	High	Full Moon
WESTERN HEAD	2022-03-24 14:00	3	0	8	17	1.59	High	Full Moon
WESTERN HEAD	2022-03-24 15:00	2.6	0	10	15	1.4	High	Full Moon
WESTERN HEAD	2022-03-24 16:00	2.1	0	12	19	1.13	Ebb	Full Moon
WESTERN HEAD	2022-03-24 17:00	1.5	0	13	19	0.9	Ebb	Full Moon
WESTERN HEAD	2022-03-24 18:00	1.5	0	13	22	0.85	Ebb	Full Moon
WESTERN HEAD	2022-03-24 19:00	1.4	0	12	19	0.68	Low	Full Moon
WESTERN HEAD	2022-03-24 20:00	1.4	0	12	20	0.77	Low	Full Moon
WESTERN HEAD	2022-03-24 21:00	1.6	0.5	11	25	0.83	Flood	Full Moon
WESTERN HEAD	2022-03-24 22:00	2	0.2	10	24	1.16	Flood	Full Moon
WESTERN HEAD	2022-03-24 23:00	2.1	1.2	10	26	1.5	High	Full Moon
WESTERN HEAD	2022-03-25 0:00	2.4	0.4	10	30	1.74	High	Full Moon
WESTERN HEAD	2022-03-25 1:00	2.5	0.2	9	34	1.84	High	Full Moon
WESTERN HEAD	2022-03-25 2:00	2.4	1.4	9	35	1.78	High	Full Moon
WESTERN HEAD	2022-03-25 3:00	2.5	2.7	8	34	1.66	High	Last Quarter
WESTERN HEAD	2022-03-25 4:00	2.5	6.1	8	32	1.45	High	Last Quarter
WESTERN HEAD	2022-03-25 5:00	2.5	10.2	7	27	1.19	Ebb	Last Quarter
WESTERN HEAD	2022-03-25 6:00	2.8	9.9	6	23	0.96	Ebb	Last Quarter
WESTERN HEAD	2022-03-25 7:00	2.9	5.1	7	28	0.77	Low	Last Quarter
WESTERN HEAD	2022-03-25 8:00	3.4	4	7	23	0.67	Low	Last Quarter
WESTERN HEAD	2022-03-25 9:00	3.9	6.7	9	23	0.82	Flood	Last Quarter
WESTERN HEAD	2022-03-25 10:00	4.4	0.3	9	12	1	Flood	Last Quarter
WESTERN HEAD	2022-03-25 11:00	5.1	0.2	13	16	1.42	High	Last Quarter
WESTERN HEAD	2022-03-25 12:00	5.2	0	14	4	1.7	High	Last Quarter
WESTERN HEAD	2022-03-25 13:00	5.8	0	19	17	1.92	High	Last Quarter
WESTERN HEAD	2022-03-25 14:00	6.2	0	22	17	1.86	High	Last Quarter
WESTERN HEAD	2022-03-25 15:00	5.4	0.2	20	16	1.85	High	Last Quarter
WESTERN HEAD	2022-03-25 16:00	5.8	0.2	21	14	1.6	High	Last Quarter
WESTERN HEAD	2022-03-25 17:00	7.7	0.2	25	11	1.46	High	Last Quarter
WESTERN HEAD	2022-03-25 18:00	5.9	0	23	12	1.37	High	Last Quarter
WESTERN HEAD	2022-03-25 19:00	5.4	0.3	21	6	1.03	Ebb	Last Quarter
WESTERN HEAD	2022-03-25 20:00	5.8	0.7	25	8	1.05	Flood	Last Quarter
WESTERN HEAD	2022-03-25 21:00	5.1	0.2	28	11	0.81	Ebb	Last Quarter
WESTERN HEAD	2022-03-25 22:00	4.3	0	28	8	1.05	Flood	Last Quarter
WESTERN HEAD	2022-03-25 23:00	3.8	0	23	10	1.44	High	Last Quarter
WESTERN HEAD	2022-03-26 0:00	3.5	0	24	12	1.57	High	Last Quarter
WESTERN HEAD	2022-03-26 1:00	3.2	0	24	18	1.87	High	Last Quarter
WESTERN HEAD	2022-03-26 2:00	2.5	0	24	14	1.9	High	Last Quarter
WESTERN HEAD	2022-03-26 3:00	2.8	0	25	11	1.89	High	Last Quarter
WESTERN HEAD	2022-03-26 4:00	2.6	0	25	6	1.65	High	Last Quarter
WESTERN HEAD	2022-03-26 5:00	3.2	0	22	11	1.52	High	Last Quarter
WESTERN HEAD	2022-03-26 6:00	3.2	0	20	19	1.19	Ebb	Last Quarter
WESTERN HEAD	2022-03-26 7:00	3.6	0	21	14	0.97	Ebb	Last Quarter
WESTERN HEAD	2022-03-26 8:00	3.9	0	21	14	0.81	Ebb	Last Quarter
WESTERN HEAD	2022-03-26 9:00	4.4	0	20	24	0.6	Low	Last Quarter
WESTERN HEAD	2022-03-26 10:00	4.6	0	20	25	0.74	Low	Last Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-03-26 11:00	7.5	0	21	15	0.86	Flood	Last Quarter
WESTERN HEAD	2022-03-26 12:00	7.6	0	19	17	1.29	Flood	Last Quarter
WESTERN HEAD	2022-03-26 13:00	8.9	0	19	25	1.55	High	Last Quarter
WESTERN HEAD	2022-03-26 14:00	8.6	0	20	26	1.76	High	Last Quarter
WESTERN HEAD	2022-03-26 15:00	7.7	0	19	28	1.86	High	Last Quarter
WESTERN HEAD	2022-03-26 16:00	6.5	0	20	32	1.83	High	Last Quarter
WESTERN HEAD	2022-03-26 17:00	6	0	20	27	1.73	High	Last Quarter
WESTERN HEAD	2022-03-26 18:00	5.1	0	21	19	1.53	High	Last Quarter
WESTERN HEAD	2022-03-26 19:00	4.4	0	19	19	1.34	High	Last Quarter
WESTERN HEAD	2022-03-26 20:00	4.2	0	18	17	1.2	Ebb	Last Quarter
WESTERN HEAD	2022-03-26 21:00	4.1	0	18	5	0.96	Ebb	Last Quarter
WESTERN HEAD	2022-03-26 22:00	4	0	12	7	0.96	Ebb	Last Quarter
WESTERN HEAD	2022-03-26 23:00	3.9	1.5	2	5	1.02	Flood	Last Quarter
WESTERN HEAD	2022-03-27 0:00	4	2.9	1	7	1.31	High	Last Quarter
WESTERN HEAD	2022-03-27 1:00	4.1	5.2	36	4	1.53	High	Last Quarter
WESTERN HEAD	2022-03-27 2:00	4.4	0.9	33	7	1.96	High	Last Quarter
WESTERN HEAD	2022-03-27 3:00	4.5	0	24	3	1.87	High	Last Quarter
WESTERN HEAD	2022-03-27 4:00	4.3	0	25	12	1.99	High	Last Quarter
WESTERN HEAD	2022-03-27 5:00	4	0	24	20	1.79	High	Last Quarter
WESTERN HEAD	2022-03-27 6:00	3.9	0	24	22	1.65	High	Last Quarter
WESTERN HEAD	2022-03-27 7:00	3.7	0	23	13	1.31	High	Last Quarter
WESTERN HEAD	2022-03-27 8:00	4.5	0	22	14	1.02	Ebb	Last Quarter
WESTERN HEAD	2022-03-27 9:00	4.4	0.4	22	12	0.73	Low	Last Quarter
WESTERN HEAD	2022-03-27 10:00	4.6	1.6	22	10	0.58	Low	Last Quarter
WESTERN HEAD	2022-03-27 11:00	4.6	0	20	6	0.62	Low	Last Quarter
WESTERN HEAD	2022-03-27 12:00	4.9	0.4	27	5	0.86	Flood	Last Quarter
WESTERN HEAD	2022-03-27 13:00	6.7	0.3	35	5	1.14	Flood	Last Quarter
WESTERN HEAD	2022-03-27 14:00	5.9	0.7	25	15	1.54	High	Last Quarter
WESTERN HEAD	2022-03-27 15:00	6.1	0.2	15	8	1.69	High	Last Quarter
WESTERN HEAD	2022-03-27 16:00	9.9	0	24	19	1.92	High	Last Quarter
WESTERN HEAD	2022-03-27 17:00	8.3	0	23	24	1.88	High	Last Quarter
WESTERN HEAD	2022-03-27 18:00	5	0	21	24	1.86	High	Last Quarter
WESTERN HEAD	2022-03-27 19:00	4.3	0	20	23	1.64	High	Last Quarter
WESTERN HEAD	2022-03-27 20:00	3.6	0	22	11	1.39	High	Last Quarter
WESTERN HEAD	2022-03-27 21:00	2.8	0	24	12	1.17	Ebb	Last Quarter
WESTERN HEAD	2022-03-27 22:00	3.1	0	21	12	0.98	Ebb	Last Quarter
WESTERN HEAD	2022-03-27 23:00	3.2	0	22	12	0.92	Ebb	Last Quarter
WESTERN HEAD	2022-03-28 0:00	3.1	0	21	13	0.93	Flood	Last Quarter
WESTERN HEAD	2022-03-28 1:00	3.4	0	22	18	1.26	Flood	Last Quarter
WESTERN HEAD	2022-03-28 2:00	3.8	0	21	20	1.49	High	Last Quarter
WESTERN HEAD	2022-03-28 3:00	3.5	0	20	18	1.84	High	Last Quarter
WESTERN HEAD	2022-03-28 4:00	3.6	0	19	24	1.87	High	Last Quarter
WESTERN HEAD	2022-03-28 5:00	3.4	0	19	21	1.96	High	Last Quarter
WESTERN HEAD	2022-03-28 6:00	2.9	0	19	11	1.81	High	Last Quarter
WESTERN HEAD	2022-03-28 7:00	3.5	0	19	23	1.68	High	Last Quarter
WESTERN HEAD	2022-03-28 8:00	4.7	0	21	15	1.31	High	Last Quarter
WESTERN HEAD	2022-03-28 9:00	5.8	0	19	14	1.02	Ebb	Last Quarter
WESTERN HEAD	2022-03-28 10:00	5.8	0	17	24	0.66	Low	Last Quarter
WESTERN HEAD	2022-03-28 11:00	6.8	0	18	25	0.52	Low	Last Quarter
WESTERN HEAD	2022-03-28 12:00	7	0	19	19	0.61	Low	Last Quarter
WESTERN HEAD	2022-03-28 13:00	6.7	0	19	24	0.72	Low	Last Quarter
WESTERN HEAD	2022-03-28 14:00	4.3	0	26	22	1.18	Flood	Last Quarter
WESTERN HEAD	2022-03-28 15:00	6.2	0.2	31	9	1.4	High	Last Quarter
WESTERN HEAD	2022-03-28 16:00	7.1	0	25	23	1.8	High	Last Quarter
WESTERN HEAD	2022-03-28 17:00	5.7	0	27	21	1.84	High	Last Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-03-28 18:00	2.7	0	29	19	1.91	High	Last Quarter
WESTERN HEAD	2022-03-28 19:00	1.6	0	27	22	1.8	High	Last Quarter
WESTERN HEAD	2022-03-28 20:00	1	0	26	17	1.57	High	Last Quarter
WESTERN HEAD	2022-03-28 21:00	0.6	0	27	22	1.29	Ebb	Last Quarter
WESTERN HEAD	2022-03-28 22:00	0.1	0	26	17	0.96	Ebb	Last Quarter
WESTERN HEAD	2022-03-28 23:00	-0.5	0	25	14	0.71	Low	Last Quarter
WESTERN HEAD	2022-03-29 0:00	-0.2	0	24	22	0.63	Low	Last Quarter
WESTERN HEAD	2022-03-29 1:00	-0.6	0	24	17	0.79	Low	Last Quarter
WESTERN HEAD	2022-03-29 2:00	-1.6	0	25	14	1.02	Flood	Last Quarter
WESTERN HEAD	2022-03-29 3:00	-2.3	0	27	9	1.46	High	Last Quarter
WESTERN HEAD	2022-03-29 4:00	-1.7	0	28	13	1.62	High	Last Quarter
WESTERN HEAD	2022-03-29 5:00	-1.6	0	28	16	1.91	High	Last Quarter
WESTERN HEAD	2022-03-29 6:00	-2.3	0	27	20	1.86	High	Last Quarter
WESTERN HEAD	2022-03-29 7:00	-2.2	0	27	20	1.81	High	Last Quarter
WESTERN HEAD	2022-03-29 8:00	-2.7	0	27	26	1.57	High	Last Quarter
WESTERN HEAD	2022-03-29 9:00	-2.5	0	27	22	1.23	Ebb	Last Quarter
WESTERN HEAD	2022-03-29 10:00	-1.9	0	29	23	0.83	Ebb	Last Quarter
WESTERN HEAD	2022-03-29 11:00	-1.4	0	28	28	0.52	Low	Last Quarter
WESTERN HEAD	2022-03-29 12:00	1.2	0	27	27	0.36	Low	Last Quarter
WESTERN HEAD	2022-03-29 13:00	1.9	0	29	23	0.36	Low	Last Quarter
WESTERN HEAD	2022-03-29 14:00	2.2	0	27	26	0.67	Low	Last Quarter
WESTERN HEAD	2022-03-29 15:00	2.1	0	28	28	0.88	Flood	Last Quarter
WESTERN HEAD	2022-03-29 16:00	2.1	0	28	24	1.42	High	Last Quarter
WESTERN HEAD	2022-03-29 17:00	1.7	0	29	24	1.61	High	Last Quarter
WESTERN HEAD	2022-03-29 18:00	0.7	0	28	23	1.86	High	Last Quarter
WESTERN HEAD	2022-03-29 19:00	-0.3	0	27	18	1.82	High	Last Quarter
WESTERN HEAD	2022-03-29 20:00	-0.8	0	26	17	1.69	High	Last Quarter
WESTERN HEAD	2022-03-29 21:00	-1.4	0	26	14	1.43	High	Last Quarter
WESTERN HEAD	2022-03-29 22:00	-1.7	0	27	14	1.04	Ebb	Last Quarter
WESTERN HEAD	2022-03-29 23:00	-1.8	0	28	15	0.79	Low	Last Quarter
WESTERN HEAD	2022-03-30 0:00	-1.4	0	29	17	0.51	Low	Last Quarter
WESTERN HEAD	2022-03-30 1:00	-1.8	0	30	20	0.45	Low	Last Quarter
WESTERN HEAD	2022-03-30 2:00	-2.4	0	28	15	0.6	Low	Last Quarter
WESTERN HEAD	2022-03-30 3:00	-2.4	0	28	18	0.89	Flood	Last Quarter
WESTERN HEAD	2022-03-30 4:00	-2.8	0	30	23	1.37	High	Last Quarter
WESTERN HEAD	2022-03-30 5:00	-2.8	0	29	22	1.6	High	Last Quarter
WESTERN HEAD	2022-03-30 6:00	-3.1	0	29	20	1.83	High	Last Quarter
WESTERN HEAD	2022-03-30 7:00	-3.3	0	31	23	1.84	High	Last Quarter
WESTERN HEAD	2022-03-30 8:00	-2.9	0	32	23	1.69	High	Last Quarter
WESTERN HEAD	2022-03-30 9:00	-0.5	0	32	22	1.44	High	Last Quarter
WESTERN HEAD	2022-03-30 10:00	1.9	0	30	19	1.09	Ebb	Last Quarter
WESTERN HEAD	2022-03-30 11:00	2.2	0	31	17	0.67	Low	Last Quarter
WESTERN HEAD	2022-03-30 12:00	4	0	28	19	0.41	Low	Last Quarter
WESTERN HEAD	2022-03-30 13:00	5.9	0	29	20	0.23	Low	Last Quarter
WESTERN HEAD	2022-03-30 14:00	7.2	0	30	17	0.37	Low	Last Quarter
WESTERN HEAD	2022-03-30 15:00	7.2	0	29	23	0.63	Low	Last Quarter
WESTERN HEAD	2022-03-30 16:00	6.9	0	30	26	1.07	Flood	Last Quarter
WESTERN HEAD	2022-03-30 17:00	5.5	0	31	21	1.45	High	Last Quarter
WESTERN HEAD	2022-03-30 18:00	4.7	0	28	15	1.72	High	Last Quarter
WESTERN HEAD	2022-03-30 19:00	2.5	0	27	12	1.97	High	Last Quarter
WESTERN HEAD	2022-03-30 20:00	2	0	27	14	1.83	High	Last Quarter
WESTERN HEAD	2022-03-30 21:00	0.9	0	27	13	1.68	High	Last Quarter
WESTERN HEAD	2022-03-30 22:00	1.2	0	26	17	1.25	Ebb	Last Quarter
WESTERN HEAD	2022-03-30 23:00	1.3	0	26	17	0.93	Ebb	Last Quarter
WESTERN HEAD	2022-03-31 0:00	1.3	0	27	15	0.56	Low	Last Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-03-31 1:00	1.9	0	27	17	0.44	Low	Last Quarter
WESTERN HEAD	2022-03-31 2:00	2	0	26	14	0.37	Low	Last Quarter
WESTERN HEAD	2022-03-31 3:00	2.2	0	25	13	0.56	Low	Last Quarter
WESTERN HEAD	2022-03-31 4:00	3	0	26	15	0.94	Flood	Last Quarter
WESTERN HEAD	2022-03-31 5:00	3.4	0	25	13	1.32	High	Last Quarter
WESTERN HEAD	2022-03-31 6:00	3.2	0	25	11	1.65	High	Last Quarter
WESTERN HEAD	2022-03-31 7:00	3.9	0	26	14	1.89	High	Last Quarter
WESTERN HEAD	2022-03-31 8:00	3.3	0	27	14	1.87	High	Last Quarter
WESTERN HEAD	2022-03-31 9:00	3.3	0.2	25	7	1.69	High	Last Quarter
WESTERN HEAD	2022-03-31 10:00	2.8	0.7	22	15	1.33	High	Last Quarter
WESTERN HEAD	2022-03-31 11:00	2.7	0.3	21	18	0.95	Ebb	Last Quarter
WESTERN HEAD	2022-03-31 12:00	3.2	0.7	20	16	0.57	Low	Last Quarter
WESTERN HEAD	2022-03-31 13:00	3.3	0	20	20	0.38	Low	Last Quarter
WESTERN HEAD	2022-03-31 14:00	3.6	0	18	23	0.25	Low	Last Quarter
WESTERN HEAD	2022-03-31 15:00	3.6	0	19	25	0.42	Low	Last Quarter
WESTERN HEAD	2022-03-31 16:00	3.1	0.2	19	19	0.74	Low	Last Quarter
WESTERN HEAD	2022-03-31 17:00	3	0	16	16	1.22	Flood	Last Quarter
WESTERN HEAD	2022-03-31 18:00	2.9	0.2	16	14	1.64	High	Last Quarter
WESTERN HEAD	2022-03-31 19:00	3.1	0.2	15	6	1.94	High	Last Quarter
WESTERN HEAD	2022-03-31 20:00	3.3	0.2	36	4	2	High	Last Quarter
WESTERN HEAD	2022-03-31 21:00	3.4	0.2	15	2	1.88	High	Last Quarter
WESTERN HEAD	2022-03-31 22:00	4.6	0	20	15	1.61	High	Last Quarter
WESTERN HEAD	2022-03-31 23:00	5.1	0	19	21	1.23	Ebb	Last Quarter
WESTERN HEAD	2022-04-01 0:00	5	0	19	20	0.86	Ebb	Last Quarter
WESTERN HEAD	2022-04-01 1:00	5.4	0	19	18	0.64	Low	Last Quarter
WESTERN HEAD	2022-04-01 2:00	6.2	0	20	28	0.41	Low	Last Quarter
WESTERN HEAD	2022-04-01 3:00	6.7	0	20	25	0.55	Low	New Moon
WESTERN HEAD	2022-04-01 4:00	6.5	0	20	29	0.71	Low	New Moon
WESTERN HEAD	2022-04-01 5:00	6.7	0.6	21	26	1.2	Flood	New Moon
WESTERN HEAD	2022-04-01 6:00	5.9	3.1	22	22	1.59	High	New Moon
WESTERN HEAD	2022-04-01 7:00	7.4	0	21	29	1.95	High	New Moon
WESTERN HEAD	2022-04-01 8:00	7.6	0.8	21	24	2.11	High	New Moon
WESTERN HEAD	2022-04-01 9:00	6.7	0	20	23	1.98	High	New Moon
WESTERN HEAD	2022-04-01 10:00	6.1	1.1	20	20	1.8	High	New Moon
WESTERN HEAD	2022-04-01 11:00	8.2	2.6	22	23	1.41	High	New Moon
WESTERN HEAD	2022-04-01 12:00	7.3	0.9	21	19	1	Ebb	New Moon
WESTERN HEAD	2022-04-01 13:00	7.5	0.2	21	30	0.68	Low	New Moon
WESTERN HEAD	2022-04-01 14:00	8.3	0	21	35	0.53	Low	New Moon
WESTERN HEAD	2022-04-01 15:00	7.3	0.2	21	29	0.47	Low	New Moon
WESTERN HEAD	2022-04-01 16:00	6	0	22	22	0.77	Low	New Moon
WESTERN HEAD	2022-04-01 17:00	5.7	0	20	31	1.05	Flood	New Moon
WESTERN HEAD	2022-04-01 18:00	5.1	0	20	33	1.61	High	New Moon
WESTERN HEAD	2022-04-01 19:00	4.8	0	21	27	1.96	High	New Moon
WESTERN HEAD	2022-04-01 20:00	7.8	0	25	17	2.18	High	New Moon
WESTERN HEAD	2022-04-01 21:00	6.4	0	23	17	2.17	High	New Moon
WESTERN HEAD	2022-04-01 22:00	5.8	0	22	19	1.97	High	New Moon
WESTERN HEAD	2022-04-01 23:00	4.6	0	21	19	1.56	High	New Moon
WESTERN HEAD	2022-04-02 0:00	7.1	0	25	22	1.2	Ebb	New Moon
WESTERN HEAD	2022-04-02 1:00	5.8	0	27	22	0.86	Ebb	New Moon
WESTERN HEAD	2022-04-02 2:00	5.3	0	26	29	0.55	Low	New Moon
WESTERN HEAD	2022-04-02 3:00	4.2	0	26	23	0.56	Low	New Moon
WESTERN HEAD	2022-04-02 4:00	4.1	0	26	26	0.51	Low	New Moon
WESTERN HEAD	2022-04-02 5:00	4.2	0	26	27	0.91	Flood	New Moon
WESTERN HEAD	2022-04-02 6:00	3.6	0	27	26	1.19	Flood	New Moon
WESTERN HEAD	2022-04-02 7:00	3.7	0	27	26	1.62	High	New Moon

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-04-02 8:00	4.1	0	28	23	1.84	High	New Moon
WESTERN HEAD	2022-04-02 9:00	5	0	29	24	1.94	High	New Moon
WESTERN HEAD	2022-04-02 10:00	6.1	0	27	27	1.8	High	New Moon
WESTERN HEAD	2022-04-02 11:00	5.2	0	28	28	1.44	High	New Moon
WESTERN HEAD	2022-04-02 12:00	5	0	29	31	1.09	Ebb	New Moon
WESTERN HEAD	2022-04-02 13:00	4.7	0	29	31	0.81	Ebb	New Moon
WESTERN HEAD	2022-04-02 14:00	4.9	0	29	29	0.5	Low	New Moon
WESTERN HEAD	2022-04-02 15:00	5.6	0	29	25	0.41	Low	New Moon
WESTERN HEAD	2022-04-02 16:00	6.3	0	28	27	0.39	Low	New Moon
WESTERN HEAD	2022-04-02 17:00	6.7	0	29	20	0.67	Low	New Moon
WESTERN HEAD	2022-04-02 18:00	5.4	0	29	29	1.12	Flood	New Moon
WESTERN HEAD	2022-04-02 19:00	4.1	0	28	18	1.55	High	New Moon
WESTERN HEAD	2022-04-02 20:00	2.7	0	26	14	1.86	High	New Moon
WESTERN HEAD	2022-04-02 21:00	2.1	0	26	16	2.02	High	New Moon
WESTERN HEAD	2022-04-02 22:00	2.1	0	28	13	1.9	High	New Moon
WESTERN HEAD	2022-04-02 23:00	0.1	0	26	8	1.7	High	New Moon
WESTERN HEAD	2022-04-03 0:00	-0.6	0	25	10	1.22	Ebb	New Moon
WESTERN HEAD	2022-04-03 1:00	-1	0	25	9	0.94	Ebb	New Moon
WESTERN HEAD	2022-04-03 2:00	-1.4	0	25	9	0.6	Low	New Moon
WESTERN HEAD	2022-04-03 3:00	-1.6	0	25	11	0.42	Low	New Moon
WESTERN HEAD	2022-04-03 4:00	-2.5	0	25	7	0.42	Low	New Moon
WESTERN HEAD	2022-04-03 5:00	-2.7	0	25	10	0.47	Low	New Moon
WESTERN HEAD	2022-04-03 6:00	-2.3	0	24	11	0.89	Flood	New Moon
WESTERN HEAD	2022-04-03 7:00	-0.2	0	24	9	1.25	Flood	New Moon
WESTERN HEAD	2022-04-03 8:00	3.1	0	27	11	1.67	High	New Moon
WESTERN HEAD	2022-04-03 9:00	5.4	0	26	16	1.83	High	New Moon
WESTERN HEAD	2022-04-03 10:00	7.1	0	25	18	1.86	High	New Moon
WESTERN HEAD	2022-04-03 11:00	9.9	0	26	14	1.6	High	New Moon
WESTERN HEAD	2022-04-03 12:00	8.9	0	19	13	1.35	High	New Moon
WESTERN HEAD	2022-04-03 13:00	6.6	0	19	21	1.02	Ebb	New Moon
WESTERN HEAD	2022-04-03 14:00	6.8	0	20	30	0.75	Low	New Moon
WESTERN HEAD	2022-04-03 15:00	7.2	0	20	32	0.62	Low	New Moon
WESTERN HEAD	2022-04-03 16:00	6.9	0	21	30	0.52	Low	New Moon
WESTERN HEAD	2022-04-03 17:00	5.4	0	21	31	0.68	Low	New Moon
WESTERN HEAD	2022-04-03 18:00	4.1	0	21	15	0.91	Flood	New Moon
WESTERN HEAD	2022-04-03 19:00	4	0	21	27	1.3	High	New Moon
WESTERN HEAD	2022-04-03 20:00	3.6	0	23	12	1.78	High	New Moon
WESTERN HEAD	2022-04-03 21:00	3	0	21	4	1.86	High	New Moon
WESTERN HEAD	2022-04-03 22:00	2.9	0	24	3	2.09	High	New Moon
WESTERN HEAD	2022-04-03 23:00	2.8	0	18	4	1.76	High	New Moon
WESTERN HEAD	2022-04-04 0:00	3.2	0	27	6	1.5	High	New Moon
WESTERN HEAD	2022-04-04 1:00	3.5	0	33	12	1.13	Ebb	New Moon
WESTERN HEAD	2022-04-04 2:00	2.2	0	3	13	0.77	Low	New Moon
WESTERN HEAD	2022-04-04 3:00	1.2	1.6	3	12	0.68	Low	New Moon
WESTERN HEAD	2022-04-04 4:00	1.1	2.8	1	14	0.47	Low	New Moon
WESTERN HEAD	2022-04-04 5:00	1.2	1.8	6	27	0.63	Low	New Moon
WESTERN HEAD	2022-04-04 6:00	1.2	1.3	5	26	0.64	Low	New Moon
WESTERN HEAD	2022-04-04 7:00	1.4	0	3	19	1.25	Flood	New Moon
WESTERN HEAD	2022-04-04 8:00	1.4	0.6	1	17	1.46	High	New Moon
WESTERN HEAD	2022-04-04 9:00	1.3	1.7	35	18	2.07	High	New Moon
WESTERN HEAD	2022-04-04 10:00	1.5	1.4	34	16	2.05	High	New Moon
WESTERN HEAD	2022-04-04 11:00	0.4	2.4	32	17	2.06	High	New Moon
WESTERN HEAD	2022-04-04 12:00	1	2.2	32	23	1.75	High	New Moon
WESTERN HEAD	2022-04-04 13:00	1.1	1	33	27	1.41	High	New Moon
WESTERN HEAD	2022-04-04 14:00	0.5	0.5	33	29	1.1	Ebb	New Moon

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-04-04 15:00	0.4	0.3	32	31	0.94	Ebb	New Moon
WESTERN HEAD	2022-04-04 16:00	0.8	0.5	32	33	0.7	Low	New Moon
WESTERN HEAD	2022-04-04 17:00	0.7	0.3	32	28	0.77	Low	New Moon
WESTERN HEAD	2022-04-04 18:00	0.5	0.2	32	28	0.73	Low	New Moon
WESTERN HEAD	2022-04-04 19:00	0.5	0	31	23	1	Flood	New Moon
WESTERN HEAD	2022-04-04 20:00	0.3	0	31	19	1.36	High	New Moon
WESTERN HEAD	2022-04-04 21:00	0.2	0	31	13	1.63	High	New Moon
WESTERN HEAD	2022-04-04 22:00	0.3	0	28	15	1.91	High	New Moon
WESTERN HEAD	2022-04-04 23:00	0	0	28	14	1.81	High	New Moon
WESTERN HEAD	2022-04-05 0:00	-0.9	0	34	8	1.58	High	New Moon
WESTERN HEAD	2022-04-05 1:00	-1	0	30	13	1.23	Ebb	New Moon
WESTERN HEAD	2022-04-05 2:00	-0.9	0	30	13	0.93	Ebb	New Moon
WESTERN HEAD	2022-04-05 3:00	-1.9	0	27	12	0.7	Low	New Moon
WESTERN HEAD	2022-04-05 4:00	-2.3	0	28	10	0.54	Low	New Moon
WESTERN HEAD	2022-04-05 5:00	-1.4	0	28	13	0.46	Low	New Moon
WESTERN HEAD	2022-04-05 6:00	-1.1	0	29	11	0.58	Low	New Moon
WESTERN HEAD	2022-04-05 7:00	0.9	0	28	11	0.79	Low	New Moon
WESTERN HEAD	2022-04-05 8:00	3.5	0	27	11	1.17	Flood	New Moon
WESTERN HEAD	2022-04-05 9:00	5.2	0	27	16	1.46	High	New Moon
WESTERN HEAD	2022-04-05 10:00	7.7	0	27	18	1.72	High	New Moon
WESTERN HEAD	2022-04-05 11:00	9.2	0	27	17	1.79	High	New Moon
WESTERN HEAD	2022-04-05 12:00	10.1	0	26	19	1.64	High	New Moon
WESTERN HEAD	2022-04-05 13:00	11.1	0	26	23	1.38	High	New Moon
WESTERN HEAD	2022-04-05 14:00	11.4	0	27	22	1.14	Ebb	New Moon
WESTERN HEAD	2022-04-05 15:00	11.6	0	28	23	0.87	Ebb	New Moon
WESTERN HEAD	2022-04-05 16:00	11.4	0	27	21	0.86	Ebb	New Moon
WESTERN HEAD	2022-04-05 17:00	10.5	0	30	17	0.7	Low	New Moon
WESTERN HEAD	2022-04-05 18:00	8.8	0	29	15	0.81	Flood	New Moon
WESTERN HEAD	2022-04-05 19:00	4.8	0	26	9	0.93	Flood	New Moon
WESTERN HEAD	2022-04-05 20:00	2.8	0	26	11	1.19	Flood	New Moon
WESTERN HEAD	2022-04-05 21:00	3.3	0	26	11	1.49	High	New Moon
WESTERN HEAD	2022-04-05 22:00	2.8	0	25	13	1.68	High	New Moon
WESTERN HEAD	2022-04-05 23:00	2.7	0	26	12	1.81	High	New Moon
WESTERN HEAD	2022-04-06 0:00	2.5	0	30	12	1.6	High	New Moon
WESTERN HEAD	2022-04-06 1:00	1.9	0	30	14	1.35	High	New Moon
WESTERN HEAD	2022-04-06 2:00	2.1	0	30	17	1.11	Ebb	New Moon
WESTERN HEAD	2022-04-06 3:00	1.2	0	30	14	0.72	Low	New Moon
WESTERN HEAD	2022-04-06 4:00	-1.3	0	27	8	0.62	Low	New Moon
WESTERN HEAD	2022-04-06 5:00	-0.8	0	32	9	0.39	Low	New Moon
WESTERN HEAD	2022-04-06 6:00	-1.6	0	32	1	0.48	Low	New Moon
WESTERN HEAD	2022-04-06 7:00	1.3	0	36	6	0.52	Low	New Moon
WESTERN HEAD	2022-04-06 8:00	4.5	0	1	6	0.83	Flood	New Moon
WESTERN HEAD	2022-04-06 9:00	5.4	0	3	7	1.14	Flood	New Moon
WESTERN HEAD	2022-04-06 10:00	6.4	0	7	8	1.42	High	New Moon
WESTERN HEAD	2022-04-06 11:00	7.4	0	8	8	1.61	High	New Moon
WESTERN HEAD	2022-04-06 12:00	6.9	0	16	9	1.64	High	New Moon
WESTERN HEAD	2022-04-06 13:00	6.4	0	16	10	1.48	High	New Moon
WESTERN HEAD	2022-04-06 14:00	6.9	0	17	14	1.2	Ebb	New Moon
WESTERN HEAD	2022-04-06 15:00	6.9	0	18	14	1.03	Ebb	New Moon
WESTERN HEAD	2022-04-06 16:00	6.8	0	18	10	0.89	Ebb	New Moon
WESTERN HEAD	2022-04-06 17:00	5.4	0	20	15	0.85	Ebb	New Moon
WESTERN HEAD	2022-04-06 18:00	4.3	0	20	11	0.83	Ebb	New Moon
WESTERN HEAD	2022-04-06 19:00	3.5	0	21	14	0.85	Flood	New Moon
WESTERN HEAD	2022-04-06 20:00	3.3	0	22	12	1.09	Flood	New Moon
WESTERN HEAD	2022-04-06 21:00	0	0	1	5	1.25	Flood	New Moon

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-04-06 22:00	1.2	0	4	4	1.58	High	New Moon
WESTERN HEAD	2022-04-06 23:00	1.2	0	8	6	1.68	High	New Moon
WESTERN HEAD	2022-04-07 0:00	1.3	0	1	6	1.77	High	New Moon
WESTERN HEAD	2022-04-07 1:00	0.6	0	35	8	1.49	High	New Moon
WESTERN HEAD	2022-04-07 2:00	0.3	0	36	8	1.37	High	New Moon
WESTERN HEAD	2022-04-07 3:00	0.6	0	1	6	0.93	Ebb	New Moon
WESTERN HEAD	2022-04-07 4:00	0.4	0	1	9	0.84	Ebb	New Moon
WESTERN HEAD	2022-04-07 5:00	0.3	0	1	8	0.62	Low	New Moon
WESTERN HEAD	2022-04-07 6:00	0	0	1	6	0.62	Low	New Moon
WESTERN HEAD	2022-04-07 7:00	1.2	0	36	9	0.57	Low	New Moon
WESTERN HEAD	2022-04-07 8:00	3.5	0	1	8	0.73	Low	New Moon
WESTERN HEAD	2022-04-07 9:00	5.6	0	4	11	0.91	Flood	New Moon
WESTERN HEAD	2022-04-07 10:00	7.4	0	5	9	1.28	Flood	New Moon
WESTERN HEAD	2022-04-07 11:00	7.5	0	5	6	1.46	High	New Moon
WESTERN HEAD	2022-04-07 12:00	7.6	0	8	11	1.57	High	New Moon
WESTERN HEAD	2022-04-07 13:00	8.2	0	9	17	1.49	High	New Moon
WESTERN HEAD	2022-04-07 14:00	8.3	0	11	14	1.41	High	New Moon
WESTERN HEAD	2022-04-07 15:00	6.9	0	13	9	1.19	Ebb	New Moon
WESTERN HEAD	2022-04-07 16:00	7.4	0	12	7	1.06	Ebb	New Moon
WESTERN HEAD	2022-04-07 17:00	5.6	0	15	6	1	Ebb	New Moon
WESTERN HEAD	2022-04-07 18:00	4.6	0	12	3	0.86	Ebb	New Moon
WESTERN HEAD	2022-04-07 19:00	2.7	0	16	6	0.99	Flood	New Moon
WESTERN HEAD	2022-04-07 20:00	2.3	0	19	7	0.95	Ebb	New Moon
WESTERN HEAD	2022-04-07 21:00	3.1	0	18	7	1.15	Flood	New Moon
WESTERN HEAD	2022-04-07 22:00	3.4	0	7	8	1.25	Flood	New Moon
WESTERN HEAD	2022-04-07 23:00	3.4	0	7	14	1.57	High	New Moon
WESTERN HEAD	2022-04-08 0:00	3.5	0	6	16	1.69	High	New Moon
WESTERN HEAD	2022-04-08 1:00	3.5	0	7	19	1.59	High	New Moon
WESTERN HEAD	2022-04-08 2:00	3	0	7	22	1.45	High	New Moon
WESTERN HEAD	2022-04-08 3:00	2.8	0	7	25	1.16	Ebb	New Moon
WESTERN HEAD	2022-04-08 4:00	2.7	0	7	25	1.04	Ebb	New Moon
WESTERN HEAD	2022-04-08 5:00	3.1	0	8	21	0.87	Ebb	New Moon
WESTERN HEAD	2022-04-08 6:00	3.3	0	10	26	0.78	Low	New Moon
WESTERN HEAD	2022-04-08 7:00	3.3	0	11	30	0.63	Low	New Moon
WESTERN HEAD	2022-04-08 8:00	3.5	0	11	28	0.75	Low	New Moon
WESTERN HEAD	2022-04-08 9:00	3.5	0	9	25	0.83	Flood	New Moon
WESTERN HEAD	2022-04-08 10:00	3.8	0	9	23	1.11	Flood	New Moon
WESTERN HEAD	2022-04-08 11:00	4.9	0	9	23	1.3	High	New Moon
WESTERN HEAD	2022-04-08 12:00	5.2	0	8	24	1.57	High	New Moon
WESTERN HEAD	2022-04-08 13:00	4.6	0	7	24	1.53	High	New Moon
WESTERN HEAD	2022-04-08 14:00	4.1	0	7	23	1.56	High	New Moon
WESTERN HEAD	2022-04-08 15:00	4	0.5	7	20	1.39	High	New Moon
WESTERN HEAD	2022-04-08 16:00	4.2	1.3	6	18	1.3	High	New Moon
WESTERN HEAD	2022-04-08 17:00	4.7	0	7	19	1.19	Ebb	New Moon
WESTERN HEAD	2022-04-08 18:00	5.2	0.2	8	14	1.24	Flood	New Moon
WESTERN HEAD	2022-04-08 19:00	5.9	0.7	12	21	1.09	Ebb	New Moon
WESTERN HEAD	2022-04-08 20:00	6	1.1	12	43	1.08	Ebb	New Moon
WESTERN HEAD	2022-04-08 21:00	5.6	0	13	38	1.2	Flood	New Moon
WESTERN HEAD	2022-04-08 22:00	5.3	0	21	9	1.34	High	New Moon
WESTERN HEAD	2022-04-08 23:00	4.8	0	17	3	1.55	High	New Moon
WESTERN HEAD	2022-04-09 0:00	4.4	0.2	23	5	1.64	High	New Moon
WESTERN HEAD	2022-04-09 1:00	4.1	0	23	5	1.67	High	New Moon
WESTERN HEAD	2022-04-09 2:00	4.7	0	22	4	1.63	High	New Moon
WESTERN HEAD	2022-04-09 3:00	6.5	0	24	10	1.49	High	New Moon
WESTERN HEAD	2022-04-09 4:00	7.3	0	26	14	1.27	Ebb	First Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-04-09 5:00	6.8	0	25	10	1.05	Ebb	First Quarter
WESTERN HEAD	2022-04-09 6:00	5.9	0	25	9	0.85	Ebb	First Quarter
WESTERN HEAD	2022-04-09 7:00	6.6	0.2	26	7	0.84	Ebb	First Quarter
WESTERN HEAD	2022-04-09 8:00	6.9	0	21	6	0.7	Low	First Quarter
WESTERN HEAD	2022-04-09 9:00	6	0	23	8	0.69	Low	First Quarter
WESTERN HEAD	2022-04-09 10:00	5.3	0	15	7	0.87	Flood	First Quarter
WESTERN HEAD	2022-04-09 11:00	4.8	0	16	12	1.08	Flood	First Quarter
WESTERN HEAD	2022-04-09 12:00	4.7	0	18	16	1.37	High	First Quarter
WESTERN HEAD	2022-04-09 13:00	6.8	0	21	7	1.49	High	First Quarter
WESTERN HEAD	2022-04-09 14:00	6.5	0	22	3	1.48	High	First Quarter
WESTERN HEAD	2022-04-09 15:00	5.9	0	14	7	1.5	High	First Quarter
WESTERN HEAD	2022-04-09 16:00	6	0	13	9	1.43	High	First Quarter
WESTERN HEAD	2022-04-09 17:00	5	0	22	10	1.34	High	First Quarter
WESTERN HEAD	2022-04-09 18:00	5.4	0	15	5	1.3	High	First Quarter
WESTERN HEAD	2022-04-09 19:00	4.4	0	21	17	1.06	Ebb	First Quarter
WESTERN HEAD	2022-04-09 20:00	5.2	0	23	12	1.12	Flood	First Quarter
WESTERN HEAD	2022-04-09 21:00	4.2	0	21	11	0.94	Ebb	First Quarter
WESTERN HEAD	2022-04-09 22:00	3.8	0	23	11	1.19	Flood	First Quarter
WESTERN HEAD	2022-04-09 23:00	3.9	0	22	10	1.17	Ebb	First Quarter
WESTERN HEAD	2022-04-10 0:00	3.7	0	20	11	1.49	High	First Quarter
WESTERN HEAD	2022-04-10 1:00	2.6	0	23	7	1.63	High	First Quarter
WESTERN HEAD	2022-04-10 2:00	3.6	0	17	6	1.59	High	First Quarter
WESTERN HEAD	2022-04-10 3:00	4.5	0	19	6	1.61	High	First Quarter
WESTERN HEAD	2022-04-10 4:00	4.5	0.2	22	5	1.48	High	First Quarter
WESTERN HEAD	2022-04-10 5:00	4.2	0.3	20	3	1.29	Ebb	First Quarter
WESTERN HEAD	2022-04-10 6:00	4.5	0.3	25	5	1.17	Ebb	First Quarter
WESTERN HEAD	2022-04-10 7:00	4.8	0.2	0	1	0.92	Ebb	First Quarter
WESTERN HEAD	2022-04-10 8:00	5.2	0.3	2	6	0.81	Ebb	First Quarter
WESTERN HEAD	2022-04-10 9:00	5.2	0.6	5	5	0.76	Low	First Quarter
WESTERN HEAD	2022-04-10 10:00	5.1	1.8	1	7	0.79	Low	First Quarter
WESTERN HEAD	2022-04-10 11:00	5.9	1.2	4	6	0.96	Flood	First Quarter
WESTERN HEAD	2022-04-10 12:00	5.2	1.9	7	8	1.17	Flood	First Quarter
WESTERN HEAD	2022-04-10 13:00	5.2	1.8	6	4	1.38	High	First Quarter
WESTERN HEAD	2022-04-10 14:00	5.4	0.5	3	5	1.4	High	First Quarter
WESTERN HEAD	2022-04-10 15:00	8.1	0	5	5	1.71	High	First Quarter
WESTERN HEAD	2022-04-10 16:00	7.6	0.2	9	7	1.46	High	First Quarter
WESTERN HEAD	2022-04-10 17:00	5.8	0	20	17	1.68	High	First Quarter
WESTERN HEAD	2022-04-10 18:00	6	2.8	25	9	1.41	High	First Quarter
WESTERN HEAD	2022-04-10 19:00	5.8	2.6	21	7	1.36	High	First Quarter
WESTERN HEAD	2022-04-10 20:00	6	0	30	7	1.19	Ebb	First Quarter
WESTERN HEAD	2022-04-10 21:00	6.1	0	29	7	1.03	Ebb	First Quarter
WESTERN HEAD	2022-04-10 22:00	5.8	0	28	6	1.11	Flood	First Quarter
WESTERN HEAD	2022-04-10 23:00	5.9	0.3	30	13	1.04	Ebb	First Quarter
WESTERN HEAD	2022-04-11 0:00	4.2	0.2	32	12	1.38	High	First Quarter
WESTERN HEAD	2022-04-11 1:00	3	0.3	32	17	1.46	High	First Quarter
WESTERN HEAD	2022-04-11 2:00	2.6	0	32	16	1.62	High	First Quarter
WESTERN HEAD	2022-04-11 3:00	2.8	0	31	17	1.63	High	First Quarter
WESTERN HEAD	2022-04-11 4:00	2.9	0	32	18	1.51	High	First Quarter
WESTERN HEAD	2022-04-11 5:00	2.6	0	34	22	1.53	High	First Quarter
WESTERN HEAD	2022-04-11 6:00	3.1	0	33	18	1.3	High	First Quarter
WESTERN HEAD	2022-04-11 7:00	3.6	0	33	15	1.22	Ebb	First Quarter
WESTERN HEAD	2022-04-11 8:00	4.9	0	31	16	0.96	Ebb	First Quarter
WESTERN HEAD	2022-04-11 9:00	7.8	0	30	17	0.82	Ebb	First Quarter
WESTERN HEAD	2022-04-11 10:00	10.7	0	32	18	0.65	Low	First Quarter
WESTERN HEAD	2022-04-11 11:00	12.7	0	32	25	0.77	Low	First Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-04-11 12:00	13.4	0	33	27	0.86	Flood	First Quarter
WESTERN HEAD	2022-04-11 13:00	14.7	0	34	21	1.16	Flood	First Quarter
WESTERN HEAD	2022-04-11 14:00	15.9	0	32	23	1.29	Flood	First Quarter
WESTERN HEAD	2022-04-11 15:00	15.3	0	33	23	1.56	High	First Quarter
WESTERN HEAD	2022-04-11 16:00	13.1	0	31	19	1.52	High	First Quarter
WESTERN HEAD	2022-04-11 17:00	13.1	0	29	26	1.59	High	First Quarter
WESTERN HEAD	2022-04-11 18:00	12.7	0	31	25	1.45	High	First Quarter
WESTERN HEAD	2022-04-11 19:00	10.5	0	31	12	1.37	High	First Quarter
WESTERN HEAD	2022-04-11 20:00	8.3	0	30	9	1.15	Ebb	First Quarter
WESTERN HEAD	2022-04-11 21:00	5.7	0	27	8	1.01	Ebb	First Quarter
WESTERN HEAD	2022-04-11 22:00	5.3	0	28	10	0.8	Low	First Quarter
WESTERN HEAD	2022-04-11 23:00	5.6	0	29	14	0.79	Low	First Quarter
WESTERN HEAD	2022-04-12 0:00	4.4	0	29	14	0.9	Flood	First Quarter
WESTERN HEAD	2022-04-12 1:00	4.5	0	31	13	1.09	Flood	First Quarter
WESTERN HEAD	2022-04-12 2:00	4.1	0	31	14	1.26	Flood	First Quarter
WESTERN HEAD	2022-04-12 3:00	3.7	0	31	11	1.41	High	First Quarter
WESTERN HEAD	2022-04-12 4:00	2.5	0	29	12	1.48	High	First Quarter
WESTERN HEAD	2022-04-12 5:00	0.1	0	36	4	1.48	High	First Quarter
WESTERN HEAD	2022-04-12 6:00	0.5	0	30	2	1.4	High	First Quarter
WESTERN HEAD	2022-04-12 7:00	3.7	0		0	1.3	High	First Quarter
WESTERN HEAD	2022-04-12 8:00	4.8	0	23	8	1.05	Ebb	First Quarter
WESTERN HEAD	2022-04-12 9:00	6	0	21	7	0.84	Ebb	First Quarter
WESTERN HEAD	2022-04-12 10:00	6.1	0	20	16	0.66	Low	First Quarter
WESTERN HEAD	2022-04-12 11:00	6	0	21	22	0.58	Low	First Quarter
WESTERN HEAD	2022-04-12 12:00	5.8	0.4	21	18	0.69	Low	First Quarter
WESTERN HEAD	2022-04-12 13:00	5.2	0.7	20	19	0.84	Flood	First Quarter
WESTERN HEAD	2022-04-12 14:00	4.9	0	21	21	1.17	Flood	First Quarter
WESTERN HEAD	2022-04-12 15:00	4.9	0.6	21	15	1.39	High	First Quarter
WESTERN HEAD	2022-04-12 16:00	4.9	1	19	9	1.63	High	First Quarter
WESTERN HEAD	2022-04-12 17:00	4.9	0	23	7	1.68	High	First Quarter
WESTERN HEAD	2022-04-12 18:00	6.2	0.2	28	5	1.69	High	First Quarter
WESTERN HEAD	2022-04-12 19:00	6.7	0	31	10	1.52	High	First Quarter
WESTERN HEAD	2022-04-12 20:00	5.2	0	27	9	1.38	High	First Quarter
WESTERN HEAD	2022-04-12 21:00	5.5	0	28	10	1.09	Ebb	First Quarter
WESTERN HEAD	2022-04-12 22:00	6	0	30	14	0.91	Ebb	First Quarter
WESTERN HEAD	2022-04-12 23:00	5.4	0	29	10	0.75	Low	First Quarter
WESTERN HEAD	2022-04-13 0:00	5.4	0	29	13	0.76	Low	First Quarter
WESTERN HEAD	2022-04-13 1:00	5.1	0	30	14	0.8	Low	First Quarter
WESTERN HEAD	2022-04-13 2:00	5.3	0	34	10	1.06	Flood	First Quarter
WESTERN HEAD	2022-04-13 3:00	4.3	0	30	15	1.36	High	First Quarter
WESTERN HEAD	2022-04-13 4:00	3.9	0	29	14	1.42	High	First Quarter
WESTERN HEAD	2022-04-13 5:00	4.8	0	29	15	1.6	High	First Quarter
WESTERN HEAD	2022-04-13 6:00	4.8	0	29	17	1.48	High	First Quarter
WESTERN HEAD	2022-04-13 7:00	7	0	30	17	1.5	High	First Quarter
WESTERN HEAD	2022-04-13 8:00	9.4	0	29	18	1.2	Ebb	First Quarter
WESTERN HEAD	2022-04-13 9:00	11.3	0	30	20	0.99	Ebb	First Quarter
WESTERN HEAD	2022-04-13 10:00	13.8	0	30	20	0.64	Low	First Quarter
WESTERN HEAD	2022-04-13 11:00	14.7	0	31	22	0.46	Low	First Quarter
WESTERN HEAD	2022-04-13 12:00	15.6	0	30	18	0.45	Low	First Quarter
WESTERN HEAD	2022-04-13 13:00	16	0	30	23	0.55	Low	First Quarter
WESTERN HEAD	2022-04-13 14:00	15.9	0	29	17	0.82	Flood	First Quarter
WESTERN HEAD	2022-04-13 15:00	15	0	28	24	1.14	Flood	First Quarter
WESTERN HEAD	2022-04-13 16:00	13.5	0	28	17	1.42	High	First Quarter
WESTERN HEAD	2022-04-13 17:00	13	0	30	13	1.66	High	First Quarter
WESTERN HEAD	2022-04-13 18:00	12.2	0	28	7	1.7	High	First Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-04-13 19:00	9.9	0	25	6	1.63	High	First Quarter
WESTERN HEAD	2022-04-13 20:00	7.2	0	23	8	1.54	High	First Quarter
WESTERN HEAD	2022-04-13 21:00	8.9	0	26	8	1.22	Ebb	First Quarter
WESTERN HEAD	2022-04-13 22:00	9.5	0	26	12	0.92	Ebb	First Quarter
WESTERN HEAD	2022-04-13 23:00	6.8	0	24	10	0.67	Low	First Quarter
WESTERN HEAD	2022-04-14 0:00	7	0	24	11	0.55	Low	First Quarter
WESTERN HEAD	2022-04-14 1:00	6.8	0	23	15	0.59	Low	First Quarter
WESTERN HEAD	2022-04-14 2:00	5.7	0	21	8	0.78	Low	First Quarter
WESTERN HEAD	2022-04-14 3:00	5.5	0	26	5	1.12	Flood	First Quarter
WESTERN HEAD	2022-04-14 4:00	5.6	0	19	10	1.33	High	First Quarter
WESTERN HEAD	2022-04-14 5:00	5	0	12	5	1.64	High	First Quarter
WESTERN HEAD	2022-04-14 6:00	4.7	0.3	8	4	1.7	High	First Quarter
WESTERN HEAD	2022-04-14 7:00	4.8	0.6	18	2	1.73	High	First Quarter
WESTERN HEAD	2022-04-14 8:00	4.9	1.5	3	3	1.48	High	First Quarter
WESTERN HEAD	2022-04-14 9:00	4.9	0.6	15	13	1.26	Ebb	First Quarter
WESTERN HEAD	2022-04-14 10:00	4.8	0	16	15	0.84	Ebb	First Quarter
WESTERN HEAD	2022-04-14 11:00	4.9	0	15	15	0.71	Low	First Quarter
WESTERN HEAD	2022-04-14 12:00	5.3	0.3	13	14	0.41	Low	First Quarter
WESTERN HEAD	2022-04-14 13:00	4.9	0.5	14	13	0.47	Low	First Quarter
WESTERN HEAD	2022-04-14 14:00	5	1	14	9	0.59	Low	First Quarter
WESTERN HEAD	2022-04-14 15:00	5.2	0.2	9	11	0.95	Flood	First Quarter
WESTERN HEAD	2022-04-14 16:00	4.9	0.5	9	14	1.32	High	First Quarter
WESTERN HEAD	2022-04-14 17:00	4.9	0.3	8	13	1.63	High	First Quarter
WESTERN HEAD	2022-04-14 18:00	4.5	0.3	6	12	1.82	High	First Quarter
WESTERN HEAD	2022-04-14 19:00	4.5	0.7	7	15	1.87	High	First Quarter
WESTERN HEAD	2022-04-14 20:00	4.3	0.2	6	17	1.75	High	First Quarter
WESTERN HEAD	2022-04-14 21:00	4.4	0	7	21	1.47	High	First Quarter
WESTERN HEAD	2022-04-14 22:00	4.4	0	8	20	1.14	Ebb	First Quarter
WESTERN HEAD	2022-04-14 23:00	4.4	0	8	23	0.84	Ebb	First Quarter
WESTERN HEAD	2022-04-15 0:00	4.2	0.2	8	20	0.58	Low	First Quarter
WESTERN HEAD	2022-04-15 1:00	4.1	0.6	8	21	0.46	Low	First Quarter
WESTERN HEAD	2022-04-15 2:00	4	0.7	7	22	0.64	Low	First Quarter
WESTERN HEAD	2022-04-15 3:00	4	1.3	5	16	0.82	Flood	First Quarter
WESTERN HEAD	2022-04-15 4:00	4	1.1	6	18	1.3	High	First Quarter
WESTERN HEAD	2022-04-15 5:00	4	1.4	5	15	1.54	High	First Quarter
WESTERN HEAD	2022-04-15 6:00	4	0.6	7	23	1.8	High	First Quarter
WESTERN HEAD	2022-04-15 7:00	4.1	0.5	6	21	1.94	High	First Quarter
WESTERN HEAD	2022-04-15 8:00	4.2	0.5	5	16	1.81	High	First Quarter
WESTERN HEAD	2022-04-15 9:00	4.3	0.3	5	15	1.61	High	First Quarter
WESTERN HEAD	2022-04-15 10:00	4.5	0.5	5	14	1.24	Ebb	First Quarter
WESTERN HEAD	2022-04-15 11:00	4.5	0.2	5	11	0.84	Ebb	First Quarter
WESTERN HEAD	2022-04-15 12:00	4.6	0	4	12	0.65	Low	First Quarter
WESTERN HEAD	2022-04-15 13:00	4.9	0	2	7	0.45	Low	First Quarter
WESTERN HEAD	2022-04-15 14:00	5.4	0	3	7	0.52	Low	First Quarter
WESTERN HEAD	2022-04-15 15:00	6.3	0.2	32	10	0.76	Low	First Quarter
WESTERN HEAD	2022-04-15 16:00	8.1	0.3	33	11	1.15	Flood	First Quarter
WESTERN HEAD	2022-04-15 17:00	8.3	0	29	12	1.45	High	First Quarter
WESTERN HEAD	2022-04-15 18:00	8.5	0	29	20	1.92	High	First Quarter
WESTERN HEAD	2022-04-15 19:00	7.3	0	30	17	1.88	High	First Quarter
WESTERN HEAD	2022-04-15 20:00	6	0	29	10	2	High	First Quarter
WESTERN HEAD	2022-04-15 21:00	5.2	0	27	9	1.67	High	First Quarter
WESTERN HEAD	2022-04-15 22:00	3.1	0	24	6	1.43	High	First Quarter
WESTERN HEAD	2022-04-15 23:00	4.1	0	23	14	0.87	Ebb	First Quarter
WESTERN HEAD	2022-04-16 0:00	3.9	0	22	11	0.65	Low	First Quarter
WESTERN HEAD	2022-04-16 1:00	3.6	0	21	14	0.29	Low	First Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-04-16 2:00	2.9	0	20	12	0.31	Low	First Quarter
WESTERN HEAD	2022-04-16 3:00	3.2	0	21	13	0.46	Low	First Quarter
WESTERN HEAD	2022-04-16 4:00	3.1	0	21	11	0.75	Low	First Quarter
WESTERN HEAD	2022-04-16 5:00	3.4	0	22	14	1.31	High	First Quarter
WESTERN HEAD	2022-04-16 6:00	4.4	0	22	20	1.58	High	First Quarter
WESTERN HEAD	2022-04-16 7:00	5.2	0	21	19	1.84	High	First Quarter
WESTERN HEAD	2022-04-16 8:00	6.7	0	20	28	1.93	High	First Quarter
WESTERN HEAD	2022-04-16 9:00	7.5	0	20	30	1.74	High	First Quarter
WESTERN HEAD	2022-04-16 10:00	7.9	0	20	32	1.34	High	First Quarter
WESTERN HEAD	2022-04-16 11:00	8.2	0	20	33	1.12	Ebb	First Quarter
WESTERN HEAD	2022-04-16 12:00	9.4	0	21	37	0.62	Low	First Quarter
WESTERN HEAD	2022-04-16 13:00	8.8	0	21	36	0.57	Low	First Quarter
WESTERN HEAD	2022-04-16 14:00	9.6	0	21	24	0.35	Low	First Quarter
WESTERN HEAD	2022-04-16 15:00	8.9	0	21	33	0.47	Low	First Quarter
WESTERN HEAD	2022-04-16 16:00	7.9	0	21	33	0.71	Low	Full Moon
WESTERN HEAD	2022-04-16 17:00	8.1	0	21	31	1.22	Flood	Full Moon
WESTERN HEAD	2022-04-16 18:00	6.9	0	22	25	1.57	High	Full Moon
WESTERN HEAD	2022-04-16 19:00	6.6	0	24	21	1.93	High	Full Moon
WESTERN HEAD	2022-04-16 20:00	7.1	0	23	22	1.99	High	Full Moon
WESTERN HEAD	2022-04-16 21:00	6.3	0	24	15	1.94	High	Full Moon
WESTERN HEAD	2022-04-16 22:00	6.8	0	23	15	1.53	High	Full Moon
WESTERN HEAD	2022-04-16 23:00	6.5	0	23	14	1.16	Ebb	Full Moon
WESTERN HEAD	2022-04-17 0:00	5.7	0	20	6	0.81	Ebb	Full Moon
WESTERN HEAD	2022-04-17 1:00	6.1	0	20	8	0.37	Low	Full Moon
WESTERN HEAD	2022-04-17 2:00	5.3	0	20	5	0.33	Low	Full Moon
WESTERN HEAD	2022-04-17 3:00	5.7	0	20	7	0.34	Low	Full Moon
WESTERN HEAD	2022-04-17 4:00	5.8	0	34	3	0.48	Low	Full Moon
WESTERN HEAD	2022-04-17 5:00	6.3	1.9	21	15	1.01	Flood	Full Moon
WESTERN HEAD	2022-04-17 6:00	6	0.4	24	4	1.42	High	Full Moon
WESTERN HEAD	2022-04-17 7:00	8.5	0.2	25	14	1.79	High	Full Moon
WESTERN HEAD	2022-04-17 8:00	6.5	1.3	15	14	2.11	High	Full Moon
WESTERN HEAD	2022-04-17 9:00	6.5	0	23	16	1.84	High	Full Moon
WESTERN HEAD	2022-04-17 10:00	8.2	0	26	25	1.92	High	Full Moon
WESTERN HEAD	2022-04-17 11:00	10	0	24	25	1.38	High	Full Moon
WESTERN HEAD	2022-04-17 12:00	13	0	27	24	0.93	Ebb	Full Moon
WESTERN HEAD	2022-04-17 13:00	10.3	0	28	26	0.71	Low	Full Moon
WESTERN HEAD	2022-04-17 14:00	11.8	0	28	24	0.43	Low	Full Moon
WESTERN HEAD	2022-04-17 15:00	10	0	30	19	0.45	Low	Full Moon
WESTERN HEAD	2022-04-17 16:00	12.4	0	29	18	0.53	Low	Full Moon
WESTERN HEAD	2022-04-17 17:00	10.8	0	26	24	0.96	Flood	Full Moon
WESTERN HEAD	2022-04-17 18:00	9.2	0	26	19	1.3	High	Full Moon
WESTERN HEAD	2022-04-17 19:00	6.9	0	26	18	1.84	High	Full Moon
WESTERN HEAD	2022-04-17 20:00	4.9	0	25	15	1.98	High	Full Moon
WESTERN HEAD	2022-04-17 21:00	4	0	25	16	2.18	High	Full Moon
WESTERN HEAD	2022-04-17 22:00	3.3	0	25	16	1.83	High	Full Moon
WESTERN HEAD	2022-04-17 23:00	2.9	0	25	15	1.48	High	Full Moon
WESTERN HEAD	2022-04-18 0:00	2.5	0	26	15	0.95	Ebb	Full Moon
WESTERN HEAD	2022-04-18 1:00	2.4	0	26	16	0.62	Low	Full Moon
WESTERN HEAD	2022-04-18 2:00	2.5	0	26	17	0.32	Low	Full Moon
WESTERN HEAD	2022-04-18 3:00	2	0	26	14	0.22	Low	Full Moon
WESTERN HEAD	2022-04-18 4:00	1.7	0	27	14	0.23	Low	Full Moon
WESTERN HEAD	2022-04-18 5:00	1.2	0	27	10	0.42	Low	Full Moon
WESTERN HEAD	2022-04-18 6:00	2.4	0	29	8	0.83	Flood	Full Moon
WESTERN HEAD	2022-04-18 7:00	5.2	0	31	15	1.3	High	Full Moon
WESTERN HEAD	2022-04-18 8:00	7	0	31	22	1.69	High	Full Moon

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-04-18 9:00	9.1	0	30	16	1.84	High	Full Moon
WESTERN HEAD	2022-04-18 10:00	10.4	0	28	14	1.77	High	Full Moon
WESTERN HEAD	2022-04-18 11:00	11.7	0	31	23	1.42	High	Full Moon
WESTERN HEAD	2022-04-18 12:00	13	0	31	20	1.1	Ebb	Full Moon
WESTERN HEAD	2022-04-18 13:00	13.6	0	28	22	0.74	Low	Full Moon
WESTERN HEAD	2022-04-18 14:00	13.7	0	34	13	0.42	Low	Full Moon
WESTERN HEAD	2022-04-18 15:00	13.5	0	31	12	0.33	Low	Full Moon
WESTERN HEAD	2022-04-18 16:00	14.4	0	4	8	0.28	Low	Full Moon
WESTERN HEAD	2022-04-18 17:00	8.4	0	16	14	0.53	Low	Full Moon
WESTERN HEAD	2022-04-18 18:00	7.8	0	13	4	0.87	Flood	Full Moon
WESTERN HEAD	2022-04-18 19:00	4.9	0	11	5	1.44	High	Full Moon
WESTERN HEAD	2022-04-18 20:00	3.4	0	8	7	1.75	High	Full Moon
WESTERN HEAD	2022-04-18 21:00	3.2	0	15	4	1.96	High	Full Moon
WESTERN HEAD	2022-04-18 22:00	2.3	0	23	4	1.99	High	Full Moon
WESTERN HEAD	2022-04-18 23:00	0.8	0	24	2	1.6	High	Full Moon
WESTERN HEAD	2022-04-19 0:00	1.4	0	16	5	1.31	High	Full Moon
WESTERN HEAD	2022-04-19 1:00	3.5	0	14	18	0.84	Ebb	Full Moon
WESTERN HEAD	2022-04-19 2:00	3.2	0	12	20	0.48	Low	Full Moon
WESTERN HEAD	2022-04-19 3:00	3.3	0	11	23	0.26	Low	Full Moon
WESTERN HEAD	2022-04-19 4:00	3.7	0	10	27	0.15	Low	Full Moon
WESTERN HEAD	2022-04-19 5:00	3.9	0	10	32	0.21	Low	Full Moon
WESTERN HEAD	2022-04-19 6:00	4.1	0	10	35	0.55	Low	Full Moon
WESTERN HEAD	2022-04-19 7:00	4.2	0	10	36	1.05	Flood	Full Moon
WESTERN HEAD	2022-04-19 8:00	4.4	0	10	37	1.54	High	Full Moon
WESTERN HEAD	2022-04-19 9:00	5.3	0	10	35	1.91	High	Full Moon
WESTERN HEAD	2022-04-19 10:00	4.1	0.3	9	32	2.03	High	Full Moon
WESTERN HEAD	2022-04-19 11:00	3.8	3.8	9	33	1.85	High	Full Moon
WESTERN HEAD	2022-04-19 12:00	4.1	4	9	37	1.56	High	Full Moon
WESTERN HEAD	2022-04-19 13:00	4.4	2.3	11	46	1.24	Ebb	Full Moon
WESTERN HEAD	2022-04-19 14:00	5	1.6	11	49	1.02	Ebb	Full Moon
WESTERN HEAD	2022-04-19 15:00	5.8	0	12	59	0.86	Ebb	Full Moon
WESTERN HEAD	2022-04-19 16:00	6.3	0.3	13	58	0.75	Low	Full Moon
WESTERN HEAD	2022-04-19 17:00	7	0	14	59	0.88	Flood	Full Moon
WESTERN HEAD	2022-04-19 18:00	7.3	0.5	14	61	0.93	Flood	Full Moon
WESTERN HEAD	2022-04-19 19:00	8	0	14	61	1.38	High	Full Moon
WESTERN HEAD	2022-04-19 20:00	6.6	3.6	19	32	1.87	High	Full Moon
WESTERN HEAD	2022-04-19 21:00	5.5	1.8	20	24	2.22	High	Full Moon
WESTERN HEAD	2022-04-19 22:00	5.2	2.7	20	23	2.39	High	Full Moon
WESTERN HEAD	2022-04-19 23:00	4.9	1	20	21	2.17	High	Full Moon
WESTERN HEAD	2022-04-20 0:00	4.8	1.3	20	30	1.71	High	Full Moon
WESTERN HEAD	2022-04-20 1:00	4.6	0.8	21	24	1.39	High	Full Moon
WESTERN HEAD	2022-04-20 2:00	4.7	0.2	21	24	0.81	Ebb	Full Moon
WESTERN HEAD	2022-04-20 3:00	4.6	0	22	18	0.66	Low	Full Moon
WESTERN HEAD	2022-04-20 4:00	4.4	0	23	19	0.24	Low	Full Moon
WESTERN HEAD	2022-04-20 5:00	4.1	0	22	18	0.21	Low	Full Moon
WESTERN HEAD	2022-04-20 6:00	4	0	21	17	0.3	Low	Full Moon
WESTERN HEAD	2022-04-20 7:00	5.3	0	22	20	0.49	Low	Full Moon
WESTERN HEAD	2022-04-20 8:00	6.6	0	21	19	1	Flood	Full Moon
WESTERN HEAD	2022-04-20 9:00	7.4	0	23	34	1.41	High	Full Moon
WESTERN HEAD	2022-04-20 10:00	7.5	0	21	28	1.66	High	Full Moon
WESTERN HEAD	2022-04-20 11:00	9.7	0	23	38	1.79	High	Full Moon
WESTERN HEAD	2022-04-20 12:00	9.5	0	23	32	1.66	High	Full Moon
WESTERN HEAD	2022-04-20 13:00	11.3	0	23	31	1.31	High	Full Moon
WESTERN HEAD	2022-04-20 14:00	12.8	0	24	27	0.95	Ebb	Full Moon
WESTERN HEAD	2022-04-20 15:00	12	0	25	32	0.73	Low	Full Moon

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-04-20 16:00	10.7	0	26	29	0.61	Low	Full Moon
WESTERN HEAD	2022-04-20 17:00	10.9	0	26	25	0.44	Low	Full Moon
WESTERN HEAD	2022-04-20 18:00	9.6	0	27	25	0.55	Low	Full Moon
WESTERN HEAD	2022-04-20 19:00	8.2	0	26	17	0.67	Low	Full Moon
WESTERN HEAD	2022-04-20 20:00	6.7	0	27	17	1.15	Flood	Full Moon
WESTERN HEAD	2022-04-20 21:00	5.2	0	28	11	1.47	High	Full Moon
WESTERN HEAD	2022-04-20 22:00	3.9	0	28	9	1.81	High	Full Moon
WESTERN HEAD	2022-04-20 23:00	3.6	0	28	8	1.85	High	Full Moon
WESTERN HEAD	2022-04-21 0:00	1.6	0	27	8	1.7	High	Full Moon
WESTERN HEAD	2022-04-21 1:00	0.4	0	26	10	1.45	High	Full Moon
WESTERN HEAD	2022-04-21 2:00	0	0	26	9	0.99	Ebb	Full Moon
WESTERN HEAD	2022-04-21 3:00	-0.1	0	25	10	0.66	Low	Full Moon
WESTERN HEAD	2022-04-21 4:00	0	0	27	11	0.36	Low	Full Moon
WESTERN HEAD	2022-04-21 5:00	0.2	0	28	12	0.17	Low	Full Moon
WESTERN HEAD	2022-04-21 6:00	0.5	0	29	11	0.04	Low	Full Moon
WESTERN HEAD	2022-04-21 7:00	4	0	30	11	0.17	Low	Full Moon
WESTERN HEAD	2022-04-21 8:00	6.8	0	32	13	0.43	Low	Full Moon
WESTERN HEAD	2022-04-21 9:00	8	0	2	9	0.93	Flood	Full Moon
WESTERN HEAD	2022-04-21 10:00	9.8	0	11	10	1.32	High	Full Moon
WESTERN HEAD	2022-04-21 11:00	8	0	14	13	1.53	High	Full Moon
WESTERN HEAD	2022-04-21 12:00	9	0	13	17	1.61	High	Full Moon
WESTERN HEAD	2022-04-21 13:00	8.6	0	15	16	1.41	High	Full Moon
WESTERN HEAD	2022-04-21 14:00	8.1	0	17	19	1.21	Ebb	Full Moon
WESTERN HEAD	2022-04-21 15:00	7.8	0	18	21	0.9	Ebb	Full Moon
WESTERN HEAD	2022-04-21 16:00	7.1	0	18	26	0.75	Low	Full Moon
WESTERN HEAD	2022-04-21 17:00	5.8	0	19	26	0.62	Low	Full Moon
WESTERN HEAD	2022-04-21 18:00	4.8	0	20	24	0.49	Low	Full Moon
WESTERN HEAD	2022-04-21 19:00	4.3	0	20	22	0.6	Low	Full Moon
WESTERN HEAD	2022-04-21 20:00	4.2	0	19	17	0.67	Low	Full Moon
WESTERN HEAD	2022-04-21 21:00	4.1	0	18	19	1.11	Flood	Full Moon
WESTERN HEAD	2022-04-21 22:00	4.1	0	18	19	1.45	High	Full Moon
WESTERN HEAD	2022-04-21 23:00	4.1	0	17	17	1.74	High	Full Moon
WESTERN HEAD	2022-04-22 0:00	4.3	0	19	15	1.81	High	Full Moon
WESTERN HEAD	2022-04-22 1:00	4.9	0	19	20	1.67	High	Full Moon
WESTERN HEAD	2022-04-22 2:00	4.9	0	20	21	1.34	High	Full Moon
WESTERN HEAD	2022-04-22 3:00	5	0	21	15	1.11	Ebb	Full Moon
WESTERN HEAD	2022-04-22 4:00	5.2	0	21	18	0.72	Low	Full Moon
WESTERN HEAD	2022-04-22 5:00	5.1	0	19	17	0.57	Low	Full Moon
WESTERN HEAD	2022-04-22 6:00	5.3	0	20	16	0.33	Low	Full Moon
WESTERN HEAD	2022-04-22 7:00	5.8	0	20	19	0.25	Low	Full Moon
WESTERN HEAD	2022-04-22 8:00	6.1	0	21	20	0.39	Low	Full Moon
WESTERN HEAD	2022-04-22 9:00	6.5	0	20	25	0.69	Low	Full Moon
WESTERN HEAD	2022-04-22 10:00	8.3	0	20	24	1.07	Flood	Full Moon
WESTERN HEAD	2022-04-22 11:00	8.9	0	19	23	1.43	High	Full Moon
WESTERN HEAD	2022-04-22 12:00	9.7	0	19	25	1.65	High	Full Moon
WESTERN HEAD	2022-04-22 13:00	10.2	0	19	29	1.63	High	Full Moon
WESTERN HEAD	2022-04-22 14:00	7.4	0	20	33	1.53	High	Full Moon
WESTERN HEAD	2022-04-22 15:00	12.3	0.2	19	5	1.3	High	Full Moon
WESTERN HEAD	2022-04-22 16:00	15.6	0	31	20	1.07	Ebb	Full Moon
WESTERN HEAD	2022-04-22 17:00	12.4	0	30	21	0.93	Ebb	Full Moon
WESTERN HEAD	2022-04-22 18:00	12	0	30	20	0.75	Low	Full Moon
WESTERN HEAD	2022-04-22 19:00	9.6	0	30	20	0.58	Low	Full Moon
WESTERN HEAD	2022-04-22 20:00	8.2	0	31	13	0.58	Low	Full Moon
WESTERN HEAD	2022-04-22 21:00	7.6	0	30	12	0.74	Low	Full Moon
WESTERN HEAD	2022-04-22 22:00	7.8	0	30	13	1.12	Flood	Full Moon

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-04-22 23:00	6.7	0	30	14	1.42	High	Full Moon
WESTERN HEAD	2022-04-23 0:00	5.9	0	30	14	1.62	High	Full Moon
WESTERN HEAD	2022-04-23 1:00	5.2	0	30	14	1.62	High	Full Moon
WESTERN HEAD	2022-04-23 2:00	4.8	0	31	16	1.55	High	Full Moon
WESTERN HEAD	2022-04-23 3:00	4.5	0	32	18	1.34	High	Full Moon
WESTERN HEAD	2022-04-23 4:00	3.6	0	31	14	1.09	Ebb	Full Moon
WESTERN HEAD	2022-04-23 5:00	3.1	0	31	15	0.77	Low	Full Moon
WESTERN HEAD	2022-04-23 6:00	3.2	0	31	20	0.53	Low	Full Moon
WESTERN HEAD	2022-04-23 7:00	4.7	0	31	16	0.3	Low	Full Moon
WESTERN HEAD	2022-04-23 8:00	6.7	0	32	18	0.28	Low	Full Moon
WESTERN HEAD	2022-04-23 9:00	7	0	31	15	0.34	Low	Last Quarter
WESTERN HEAD	2022-04-23 10:00	8.3	0	31	17	0.7	Low	Last Quarter
WESTERN HEAD	2022-04-23 11:00	9.1	0	31	18	1.04	Flood	Last Quarter
WESTERN HEAD	2022-04-23 12:00	10.2	0	31	15	1.41	High	Last Quarter
WESTERN HEAD	2022-04-23 13:00	10.9	0	33	14	1.58	High	Last Quarter
WESTERN HEAD	2022-04-23 14:00	12.5	0	33	17	1.6	High	Last Quarter
WESTERN HEAD	2022-04-23 15:00	12.1	0	31	14	1.54	High	Last Quarter
WESTERN HEAD	2022-04-23 16:00	11.2	0	33	18	1.41	High	Last Quarter
WESTERN HEAD	2022-04-23 17:00	10.5	0	31	20	1.21	Ebb	Last Quarter
WESTERN HEAD	2022-04-23 18:00	9.1	0	31	20	1.08	Ebb	Last Quarter
WESTERN HEAD	2022-04-23 19:00	6.5	0	31	10	0.84	Ebb	Last Quarter
WESTERN HEAD	2022-04-23 20:00	3.9	0	30	9	0.72	Low	Last Quarter
WESTERN HEAD	2022-04-23 21:00	1.9	0	29	9	0.66	Low	Last Quarter
WESTERN HEAD	2022-04-23 22:00	3	0	31	13	0.82	Flood	Last Quarter
WESTERN HEAD	2022-04-23 23:00	3.4	0	35	11	1.1	Flood	Last Quarter
WESTERN HEAD	2022-04-24 0:00	2.3	0	36	12	1.39	High	Last Quarter
WESTERN HEAD	2022-04-24 1:00	0.2	0	34	8	1.6	High	Last Quarter
WESTERN HEAD	2022-04-24 2:00	-0.8	0	31	11	1.64	High	Last Quarter
WESTERN HEAD	2022-04-24 3:00	-2.6	0	30	8	1.53	High	Last Quarter
WESTERN HEAD	2022-04-24 4:00	-2	0	30	12	1.36	High	Last Quarter
WESTERN HEAD	2022-04-24 5:00	-1.4	0	31	14	1.15	Ebb	Last Quarter
WESTERN HEAD	2022-04-24 6:00	-0.8	0	30	15	0.87	Ebb	Last Quarter
WESTERN HEAD	2022-04-24 7:00	1.8	0	31	19	0.59	Low	Last Quarter
WESTERN HEAD	2022-04-24 8:00	4.5	0	32	21	0.37	Low	Last Quarter
WESTERN HEAD	2022-04-24 9:00	7.2	0	33	22	0.27	Low	Last Quarter
WESTERN HEAD	2022-04-24 10:00	8.4	0	34	23	0.37	Low	Last Quarter
WESTERN HEAD	2022-04-24 11:00	10.1	0	33	21	0.65	Low	Last Quarter
WESTERN HEAD	2022-04-24 12:00	10.8	0	33	23	0.99	Flood	Last Quarter
WESTERN HEAD	2022-04-24 13:00	11.4	0	34	23	1.33	High	Last Quarter
WESTERN HEAD	2022-04-24 14:00	10.6	0	34	28	1.52	High	Last Quarter
WESTERN HEAD	2022-04-24 15:00	11.1	0	34	26	1.53	High	Last Quarter
WESTERN HEAD	2022-04-24 16:00	10.5	0	35	26	1.54	High	Last Quarter
WESTERN HEAD	2022-04-24 17:00	10.6	0	34	24	1.43	High	Last Quarter
WESTERN HEAD	2022-04-24 18:00	7.8	0	35	21	1.26	Ebb	Last Quarter
WESTERN HEAD	2022-04-24 19:00	6.3	0	35	23	1.11	Ebb	Last Quarter
WESTERN HEAD	2022-04-24 20:00	4.7	0	35	22	0.86	Ebb	Last Quarter
WESTERN HEAD	2022-04-24 21:00	4.2	0	33	18	0.71	Low	Last Quarter
WESTERN HEAD	2022-04-24 22:00	4.1	0	34	20	0.67	Low	Last Quarter
WESTERN HEAD	2022-04-24 23:00	4.2	0	34	18	0.86	Flood	Last Quarter
WESTERN HEAD	2022-04-25 0:00	4.5	0	33	19	1.12	Flood	Last Quarter
WESTERN HEAD	2022-04-25 1:00	4.6	0	34	19	1.49	High	Last Quarter
WESTERN HEAD	2022-04-25 2:00	4.2	0	34	15	1.67	High	Last Quarter
WESTERN HEAD	2022-04-25 3:00	5.1	0	36	16	1.75	High	Last Quarter
WESTERN HEAD	2022-04-25 4:00	4.7	0	36	16	1.7	High	Last Quarter
WESTERN HEAD	2022-04-25 5:00	4.7	0	35	15	1.59	High	Last Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-04-25 6:00	4.9	0	36	13	1.37	High	Last Quarter
WESTERN HEAD	2022-04-25 7:00	5.2	0	2	12	1.08	Ebb	Last Quarter
WESTERN HEAD	2022-04-25 8:00	5.6	0	2	9	0.81	Ebb	Last Quarter
WESTERN HEAD	2022-04-25 9:00	6.6	0	3	8	0.57	Low	Last Quarter
WESTERN HEAD	2022-04-25 10:00	7.4	0	5	14	0.42	Low	Last Quarter
WESTERN HEAD	2022-04-25 11:00	8.4	0	7	23	0.5	Low	Last Quarter
WESTERN HEAD	2022-04-25 12:00	9.5	0	7	18	0.7	Low	Last Quarter
WESTERN HEAD	2022-04-25 13:00	10	0	8	14	1.1	Flood	Last Quarter
WESTERN HEAD	2022-04-25 14:00	9.4	0	10	9	1.34	High	Last Quarter
WESTERN HEAD	2022-04-25 15:00	8.3	0	14	4	1.59	High	Last Quarter
WESTERN HEAD	2022-04-25 16:00	11.3	0	12	4	1.65	High	Last Quarter
WESTERN HEAD	2022-04-25 17:00	12	0	13	3	1.67	High	Last Quarter
WESTERN HEAD	2022-04-25 18:00	11.8	0	18	2	1.56	High	Last Quarter
WESTERN HEAD	2022-04-25 19:00	7.9	0	25	8	1.32	High	Last Quarter
WESTERN HEAD	2022-04-25 20:00	6.5	0	24	6	1.02	Ebb	Last Quarter
WESTERN HEAD	2022-04-25 21:00	6.2	0	25	11	0.79	Low	Last Quarter
WESTERN HEAD	2022-04-25 22:00	7	0	13	9	0.65	Low	Last Quarter
WESTERN HEAD	2022-04-25 23:00	6.6	0	3	2	0.61	Low	Last Quarter
WESTERN HEAD	2022-04-26 0:00	7.2	0	4	2	0.74	Low	Last Quarter
WESTERN HEAD	2022-04-26 1:00	5.3	0	35	3	0.98	Flood	Last Quarter
WESTERN HEAD	2022-04-26 2:00	6.2	0	7	7	1.3	High	Last Quarter
WESTERN HEAD	2022-04-26 3:00	4.8	0	4	4	1.52	High	Last Quarter
WESTERN HEAD	2022-04-26 4:00	3.8	0	1	4	1.62	High	Last Quarter
WESTERN HEAD	2022-04-26 5:00	3.2	0	3	5	1.58	High	Last Quarter
WESTERN HEAD	2022-04-26 6:00	4.5	0	4	5	1.44	High	Last Quarter
WESTERN HEAD	2022-04-26 7:00	6.2	0	7	8	1.24	Ebb	Last Quarter
WESTERN HEAD	2022-04-26 8:00	8	0	7	5	0.98	Ebb	Last Quarter
WESTERN HEAD	2022-04-26 9:00	9	0	8	4	0.66	Low	Last Quarter
WESTERN HEAD	2022-04-26 10:00	8.5	0	12	8	0.44	Low	Last Quarter
WESTERN HEAD	2022-04-26 11:00	7.9	0	14	8	0.31	Low	Last Quarter
WESTERN HEAD	2022-04-26 12:00	7.9	0	15	9	0.4	Low	Last Quarter
WESTERN HEAD	2022-04-26 13:00	8.4	0	16	12	0.71	Low	Last Quarter
WESTERN HEAD	2022-04-26 14:00	8.2	0	17	15	1.01	Flood	Last Quarter
WESTERN HEAD	2022-04-26 15:00	7.6	0	18	16	1.44	High	Last Quarter
WESTERN HEAD	2022-04-26 16:00	6.5	0	18	15	1.67	High	Last Quarter
WESTERN HEAD	2022-04-26 17:00	7.1	0	20	12	1.8	High	Last Quarter
WESTERN HEAD	2022-04-26 18:00	6.2	0	20	13	1.68	High	Last Quarter
WESTERN HEAD	2022-04-26 19:00	6.2	0	20	13	1.58	High	Last Quarter
WESTERN HEAD	2022-04-26 20:00	6.1	0	20	16	1.28	Ebb	Last Quarter
WESTERN HEAD	2022-04-26 21:00	6	0	20	16	1.06	Ebb	Last Quarter
WESTERN HEAD	2022-04-26 22:00	5.9	0	20	15	0.76	Low	Last Quarter
WESTERN HEAD	2022-04-26 23:00	6.1	0	20	16	0.6	Low	Last Quarter
WESTERN HEAD	2022-04-27 0:00	6	0	20	14	0.52	Low	Last Quarter
WESTERN HEAD	2022-04-27 1:00	5.8	0	19	14	0.68	Low	Last Quarter
WESTERN HEAD	2022-04-27 2:00	5.8	0	19	11	0.98	Flood	Last Quarter
WESTERN HEAD	2022-04-27 3:00	5.6	0	18	14	1.34	High	Last Quarter
WESTERN HEAD	2022-04-27 4:00	5.3	0	17	15	1.6	High	Last Quarter
WESTERN HEAD	2022-04-27 5:00	5.3	0	18	15	1.73	High	Last Quarter
WESTERN HEAD	2022-04-27 6:00	5.5	0	18	14	1.72	High	Last Quarter
WESTERN HEAD	2022-04-27 7:00	5.9	0	17	11	1.62	High	Last Quarter
WESTERN HEAD	2022-04-27 8:00	6.3	0	17	9	1.33	High	Last Quarter
WESTERN HEAD	2022-04-27 9:00	6.5	0	21	3	1.09	Ebb	Last Quarter
WESTERN HEAD	2022-04-27 10:00	7.2	0	12	7	0.75	Low	Last Quarter
WESTERN HEAD	2022-04-27 11:00	7.1	0.5	12	8	0.55	Low	Last Quarter
WESTERN HEAD	2022-04-27 12:00	6.4	3.7	15	15	0.52	Low	Last Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-04-27 13:00	6	4.6	14	16	0.59	Low	Last Quarter
WESTERN HEAD	2022-04-27 14:00	6.3	3.8	13	10	0.9	Flood	Last Quarter
WESTERN HEAD	2022-04-27 15:00	6.3	5.7	13	7	1.29	Flood	Last Quarter
WESTERN HEAD	2022-04-27 16:00	6.5	2.3	17	12	1.7	High	Last Quarter
WESTERN HEAD	2022-04-27 17:00	6.1	0.3	16	13	1.94	High	Last Quarter
WESTERN HEAD	2022-04-27 18:00	5.9	0	17	17	2	High	Last Quarter
WESTERN HEAD	2022-04-27 19:00	5.8	0	21	7	1.89	High	Last Quarter
WESTERN HEAD	2022-04-27 20:00	5.9	0	21	8	1.74	High	Last Quarter
WESTERN HEAD	2022-04-27 21:00	5.9	0	21	6	1.44	High	Last Quarter
WESTERN HEAD	2022-04-27 22:00	6	0	21	18	1.14	Ebb	Last Quarter
WESTERN HEAD	2022-04-27 23:00	6.1	0	24	18	0.83	Ebb	Last Quarter
WESTERN HEAD	2022-04-28 0:00	5.9	0	24	12	0.61	Low	Last Quarter
WESTERN HEAD	2022-04-28 1:00	5.5	0	20	23	0.67	Low	Last Quarter
WESTERN HEAD	2022-04-28 2:00	5.4	0	20	20	0.84	Flood	Last Quarter
WESTERN HEAD	2022-04-28 3:00	5.5	0	20	19	1.21	Flood	Last Quarter
WESTERN HEAD	2022-04-28 4:00	5.7	0	21	24	1.51	High	Last Quarter
WESTERN HEAD	2022-04-28 5:00	5.3	0	20	28	1.84	High	Last Quarter
WESTERN HEAD	2022-04-28 6:00	4.9	0	21	28	1.93	High	Last Quarter
WESTERN HEAD	2022-04-28 7:00	5	0	21	28	1.93	High	Last Quarter
WESTERN HEAD	2022-04-28 8:00	5.1	0	21	29	1.68	High	Last Quarter
WESTERN HEAD	2022-04-28 9:00	5.2	0	20	26	1.47	High	Last Quarter
WESTERN HEAD	2022-04-28 10:00	5.1	0	20	19	1.12	Ebb	Last Quarter
WESTERN HEAD	2022-04-28 11:00	6.1	0	18	14	0.84	Ebb	Last Quarter
WESTERN HEAD	2022-04-28 12:00	5.9	0	16	7	0.61	Low	Last Quarter
WESTERN HEAD	2022-04-28 13:00	5.8	0	16	7	0.57	Low	Last Quarter
WESTERN HEAD	2022-04-28 14:00	6.5	0.3	18	6	0.7	Low	Last Quarter
WESTERN HEAD	2022-04-28 15:00	8.6	0	28	23	1.06	Flood	Last Quarter
WESTERN HEAD	2022-04-28 16:00	7.4	0	29	21	1.47	High	Last Quarter
WESTERN HEAD	2022-04-28 17:00	7.1	0	30	23	1.81	High	Last Quarter
WESTERN HEAD	2022-04-28 18:00	6.3	0	30	21	2.03	High	Last Quarter
WESTERN HEAD	2022-04-28 19:00	5.2	0	30	21	2.03	High	Last Quarter
WESTERN HEAD	2022-04-28 20:00	4.4	0	30	18	1.88	High	Last Quarter
WESTERN HEAD	2022-04-28 21:00	3.7	0	30	19	1.61	High	Last Quarter
WESTERN HEAD	2022-04-28 22:00	3.4	0	30	15	1.29	Ebb	Last Quarter
WESTERN HEAD	2022-04-28 23:00	2.9	0	30	13	0.93	Ebb	Last Quarter
WESTERN HEAD	2022-04-29 0:00	3.2	0	30	12	0.73	Low	Last Quarter
WESTERN HEAD	2022-04-29 1:00	3	0	30	12	0.55	Low	Last Quarter
WESTERN HEAD	2022-04-29 2:00	2.9	0	31	9	0.62	Low	Last Quarter
WESTERN HEAD	2022-04-29 3:00	2.8	0	32	10	0.81	Flood	Last Quarter
WESTERN HEAD	2022-04-29 4:00	2.7	0	32	12	1.19	Flood	Last Quarter
WESTERN HEAD	2022-04-29 5:00	2.4	0	31	14	1.6	High	Last Quarter
WESTERN HEAD	2022-04-29 6:00	2.1	0	31	20	1.88	High	Last Quarter
WESTERN HEAD	2022-04-29 7:00	2.6	0	30	18	1.99	High	Last Quarter
WESTERN HEAD	2022-04-29 8:00	3.6	0.2	31	16	1.87	High	Last Quarter
WESTERN HEAD	2022-04-29 9:00	5.7	0	31	17	1.66	High	Last Quarter
WESTERN HEAD	2022-04-29 10:00	7.7	0	33	14	1.35	High	Last Quarter
WESTERN HEAD	2022-04-29 11:00	7.1	0	33	17	1.04	Ebb	Last Quarter
WESTERN HEAD	2022-04-29 12:00	8.1	0	31	12	0.75	Low	Last Quarter
WESTERN HEAD	2022-04-29 13:00	7.6	0	33	16	0.63	Low	Last Quarter
WESTERN HEAD	2022-04-29 14:00	7.7	0	33	18	0.62	Low	Last Quarter
WESTERN HEAD	2022-04-29 15:00	8	0	33	17	0.81	Flood	Last Quarter
WESTERN HEAD	2022-04-29 16:00	7.4	0	33	18	1.14	Flood	Last Quarter
WESTERN HEAD	2022-04-29 17:00	6.7	0	34	17	1.56	High	Last Quarter
WESTERN HEAD	2022-04-29 18:00	5.8	0	34	18	1.9	High	Last Quarter
WESTERN HEAD	2022-04-29 19:00	5.2	0	33	17	2.06	High	Last Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-04-29 20:00	4.4	0.2	34	16	2.03	High	Last Quarter
WESTERN HEAD	2022-04-29 21:00	4.1	0	34	16	1.8	High	Last Quarter
WESTERN HEAD	2022-04-29 22:00	4	0	33	14	1.46	High	Last Quarter
WESTERN HEAD	2022-04-29 23:00	3.9	0	34	14	1.12	Ebb	Last Quarter
WESTERN HEAD	2022-04-30 0:00	3.8	0	34	15	0.78	Low	Last Quarter
WESTERN HEAD	2022-04-30 1:00	3.8	0	34	15	0.58	Low	Last Quarter
WESTERN HEAD	2022-04-30 2:00	3.6	0	34	14	0.47	Low	Last Quarter
WESTERN HEAD	2022-04-30 3:00	3.5	0	34	13	0.58	Low	Last Quarter
WESTERN HEAD	2022-04-30 4:00	3.4	0	34	13	0.84	Flood	Last Quarter
WESTERN HEAD	2022-04-30 5:00	3.4	0	34	15	1.23	Flood	Last Quarter
WESTERN HEAD	2022-04-30 6:00	3.5	0	34	14	1.64	High	Last Quarter
WESTERN HEAD	2022-04-30 7:00	4.3	0	35	16	1.87	High	Last Quarter
WESTERN HEAD	2022-04-30 8:00	5.1	0	34	14	1.94	High	Last Quarter
WESTERN HEAD	2022-04-30 9:00	5.1	0	34	14	1.76	High	Last Quarter
WESTERN HEAD	2022-04-30 10:00	6.3	0.2	34	21	1.5	High	Last Quarter
WESTERN HEAD	2022-04-30 11:00	7.8	0	34	20	1.14	Ebb	Last Quarter
WESTERN HEAD	2022-04-30 12:00	8.6	0	34	19	0.86	Ebb	Last Quarter
WESTERN HEAD	2022-04-30 13:00	9.3	0	33	22	0.66	Low	Last Quarter
WESTERN HEAD	2022-04-30 14:00	9.4	0	36	17	0.54	Low	Last Quarter
WESTERN HEAD	2022-04-30 15:00	8.5	0	35	20	0.58	Low	Last Quarter
WESTERN HEAD	2022-04-30 16:00	9.1	0	34	19	0.81	Flood	Last Quarter
WESTERN HEAD	2022-04-30 17:00	7.9	0	35	19	1.18	Flood	New Moon
WESTERN HEAD	2022-04-30 18:00	7	0	35	20	1.58	High	New Moon
WESTERN HEAD	2022-04-30 19:00	5.2	0	34	18	1.87	High	New Moon
WESTERN HEAD	2022-04-30 20:00	4.5	0	33	15	2.01	High	New Moon
WESTERN HEAD	2022-04-30 21:00	4.1	0	33	14	1.87	High	New Moon
WESTERN HEAD	2022-04-30 22:00	3.5	0	33	17	1.59	High	New Moon
WESTERN HEAD	2022-04-30 23:00	2.9	0	33	16	1.22	Ebb	New Moon
WESTERN HEAD	2022-05-01 0:00	1.8	0	32	16	0.85	Ebb	New Moon
WESTERN HEAD	2022-05-01 1:00	1.9	0	33	15	0.59	Low	New Moon
WESTERN HEAD	2022-05-01 2:00	1.2	0	32	12	0.47	Low	New Moon
WESTERN HEAD	2022-05-01 3:00	1.4	0	32	9	0.4	Low	New Moon
WESTERN HEAD	2022-05-01 4:00	0.9	0	32	9	0.6	Low	New Moon
WESTERN HEAD	2022-05-01 5:00	0.9	0	32	13	0.84	Flood	New Moon
WESTERN HEAD	2022-05-01 6:00	0.8	0	33	7	1.32	High	New Moon
WESTERN HEAD	2022-05-01 7:00	3.5	0	33	13	1.63	High	New Moon
WESTERN HEAD	2022-05-01 8:00	5.2	0	33	15	1.86	High	New Moon
WESTERN HEAD	2022-05-01 9:00	7	0	35	15	1.88	High	New Moon
WESTERN HEAD	2022-05-01 10:00	9.2	0	33	15	1.67	High	New Moon
WESTERN HEAD	2022-05-01 11:00	10.7	0	33	13	1.34	High	New Moon
WESTERN HEAD	2022-05-01 12:00	10.8	0	34	13	1.02	Ebb	New Moon
WESTERN HEAD	2022-05-01 13:00	11.1	0	36	11	0.77	Low	New Moon
WESTERN HEAD	2022-05-01 14:00	7.6	0	18	18	0.62	Low	New Moon
WESTERN HEAD	2022-05-01 15:00	7	0	19	12	0.61	Low	New Moon
WESTERN HEAD	2022-05-01 16:00	6.5	0	17	6	0.72	Low	New Moon
WESTERN HEAD	2022-05-01 17:00	8.9	0	35	14	0.95	Flood	New Moon
WESTERN HEAD	2022-05-01 18:00	7.3	0	35	20	1.34	High	New Moon
WESTERN HEAD	2022-05-01 19:00	6.8	0	35	7	1.68	High	New Moon
WESTERN HEAD	2022-05-01 20:00	6.9	0	35	9	1.94	High	New Moon
WESTERN HEAD	2022-05-01 21:00	6.2	0	35	8	1.95	High	New Moon
WESTERN HEAD	2022-05-01 22:00	5.6	0	34	12	1.71	High	New Moon
WESTERN HEAD	2022-05-01 23:00	5.2	0	33	10	1.42	High	New Moon
WESTERN HEAD	2022-05-02 0:00	4.9	0	33	15	1	Ebb	New Moon
WESTERN HEAD	2022-05-02 1:00	4.6	0	35	13	0.72	Low	New Moon
WESTERN HEAD	2022-05-02 2:00	3.7	0	34	13	0.49	Low	New Moon

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-05-02 3:00	3.6	0	33	10	0.4	Low	New Moon
WESTERN HEAD	2022-05-02 4:00	3.6	0	34	10	0.42	Low	New Moon
WESTERN HEAD	2022-05-02 5:00	3.5	0	34	12	0.64	Low	New Moon
WESTERN HEAD	2022-05-02 6:00	3.8	0	34	11	0.99	Flood	New Moon
WESTERN HEAD	2022-05-02 7:00	4.9	0	33	12	1.38	High	New Moon
WESTERN HEAD	2022-05-02 8:00	7	0	32	18	1.65	High	New Moon
WESTERN HEAD	2022-05-02 9:00	9.5	0	33	11	1.84	High	New Moon
WESTERN HEAD	2022-05-02 10:00	11.9	0	30	5	1.77	High	New Moon
WESTERN HEAD	2022-05-02 11:00	9.7	0	16	12	1.51	High	New Moon
WESTERN HEAD	2022-05-02 12:00	9.4	0	16	15	1.18	Ebb	New Moon
WESTERN HEAD	2022-05-02 13:00	9	0	17	15	0.91	Ebb	New Moon
WESTERN HEAD	2022-05-02 14:00	8.8	0	20	22	0.69	Low	New Moon
WESTERN HEAD	2022-05-02 15:00	8.8	0	20	28	0.7	Low	New Moon
WESTERN HEAD	2022-05-02 16:00	7.8	0	20	28	0.64	Low	New Moon
WESTERN HEAD	2022-05-02 17:00	7.6	0	19	17	0.83	Flood	New Moon
WESTERN HEAD	2022-05-02 18:00	6.6	0	17	14	1.05	Flood	New Moon
WESTERN HEAD	2022-05-02 19:00	5.7	0	21	14	1.43	High	New Moon
WESTERN HEAD	2022-05-02 20:00	3.9	0	24	2	1.7	High	New Moon
WESTERN HEAD	2022-05-02 21:00	3.8	0	1	7	1.87	High	New Moon
WESTERN HEAD	2022-05-02 22:00	2.2	0	34	5	1.77	High	New Moon
WESTERN HEAD	2022-05-02 23:00	4.8	0	36	7	1.55	High	New Moon
WESTERN HEAD	2022-05-03 0:00	5.3	0	1	6	1.15	Ebb	New Moon
WESTERN HEAD	2022-05-03 1:00	4.6	0	1	5	0.81	Ebb	New Moon
WESTERN HEAD	2022-05-03 2:00	4.1	0	2	6	0.5	Low	New Moon
WESTERN HEAD	2022-05-03 3:00	3.7	0	5	6	0.38	Low	New Moon
WESTERN HEAD	2022-05-03 4:00	3.2	0	2	7	0.33	Low	New Moon
WESTERN HEAD	2022-05-03 5:00	2.6	0	1	6	0.48	Low	New Moon
WESTERN HEAD	2022-05-03 6:00	3.1	0	36	6	0.67	Low	New Moon
WESTERN HEAD	2022-05-03 7:00	4.9	0	3	9	1.05	Flood	New Moon
WESTERN HEAD	2022-05-03 8:00	7.1	0	5	8	1.38	High	New Moon
WESTERN HEAD	2022-05-03 9:00	7.6	0	6	15	1.65	High	New Moon
WESTERN HEAD	2022-05-03 10:00	7.8	0	8	13	1.74	High	New Moon
WESTERN HEAD	2022-05-03 11:00	7.9	0	8	13	1.55	High	New Moon
WESTERN HEAD	2022-05-03 12:00	7.6	0	9	14	1.31	High	New Moon
WESTERN HEAD	2022-05-03 13:00	7.7	0	8	11	0.98	Ebb	New Moon
WESTERN HEAD	2022-05-03 14:00	6.9	0	12	12	0.79	Low	New Moon
WESTERN HEAD	2022-05-03 15:00	6.5	0	17	12	0.67	Low	New Moon
WESTERN HEAD	2022-05-03 16:00	6.3	0	17	12	0.63	Low	New Moon
WESTERN HEAD	2022-05-03 17:00	6.2	0	19	13	0.72	Low	New Moon
WESTERN HEAD	2022-05-03 18:00	5.9	0	22	16	0.85	Flood	New Moon
WESTERN HEAD	2022-05-03 19:00	5.4	0	21	12	1.19	Flood	New Moon
WESTERN HEAD	2022-05-03 20:00	4.2	0	19	9	1.43	High	New Moon
WESTERN HEAD	2022-05-03 21:00	3.8	0	25	11	1.7	High	New Moon
WESTERN HEAD	2022-05-03 22:00	2.1	0	25	9	1.74	High	New Moon
WESTERN HEAD	2022-05-03 23:00	1.1	0	23	6	1.62	High	New Moon
WESTERN HEAD	2022-05-04 0:00	1	0	28	4	1.32	High	New Moon
WESTERN HEAD	2022-05-04 1:00	0.4	0	25	3	0.96	Ebb	New Moon
WESTERN HEAD	2022-05-04 2:00	0.1	0	18	2	0.67	Low	New Moon
WESTERN HEAD	2022-05-04 3:00	0.2	0	30	6	0.43	Low	New Moon
WESTERN HEAD	2022-05-04 4:00	0.2	0	2	5	0.39	Low	New Moon
WESTERN HEAD	2022-05-04 5:00	0.2	0		0	0.31	Low	New Moon
WESTERN HEAD	2022-05-04 6:00	1.6	0	9	3	0.56	Low	New Moon
WESTERN HEAD	2022-05-04 7:00	4.2	0	7	2	0.71	Low	New Moon
WESTERN HEAD	2022-05-04 8:00	6.3	0	16	9	1.16	Flood	New Moon
WESTERN HEAD	2022-05-04 9:00	6.7	0	17	14	1.43	High	New Moon

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-05-04 10:00	6.6	0	17	20	1.67	High	New Moon
WESTERN HEAD	2022-05-04 11:00	6.4	0	18	20	1.56	High	New Moon
WESTERN HEAD	2022-05-04 12:00	6.1	0	19	18	1.46	High	New Moon
WESTERN HEAD	2022-05-04 13:00	5.9	0	19	16	1.15	Ebb	New Moon
WESTERN HEAD	2022-05-04 14:00	6.6	0	18	14	0.88	Ebb	New Moon
WESTERN HEAD	2022-05-04 15:00	7.9	0	19	11	0.75	Low	New Moon
WESTERN HEAD	2022-05-04 16:00	6.5	0	18	11	0.7	Low	New Moon
WESTERN HEAD	2022-05-04 17:00	6.2	0	17	11	0.64	Low	New Moon
WESTERN HEAD	2022-05-04 18:00	5.7	0	18	10	0.82	Flood	New Moon
WESTERN HEAD	2022-05-04 19:00	5.5	0	17	11	0.94	Flood	New Moon
WESTERN HEAD	2022-05-04 20:00	5.3	0	16	9	1.26	Flood	New Moon
WESTERN HEAD	2022-05-04 21:00	5.2	0	10	10	1.53	High	New Moon
WESTERN HEAD	2022-05-04 22:00	5.2	0	11	11	1.67	High	New Moon
WESTERN HEAD	2022-05-04 23:00	5.2	0.7	10	15	1.7	High	New Moon
WESTERN HEAD	2022-05-05 0:00	5.2	0.7	10	15	1.47	High	New Moon
WESTERN HEAD	2022-05-05 1:00	5.2	1.3	8	15	1.23	Ebb	New Moon
WESTERN HEAD	2022-05-05 2:00	5.2	1.5	7	13	0.9	Ebb	New Moon
WESTERN HEAD	2022-05-05 3:00	5.3	0.7	5	11	0.66	Low	New Moon
WESTERN HEAD	2022-05-05 4:00	5.4	4	3	10	0.52	Low	New Moon
WESTERN HEAD	2022-05-05 5:00	5.5	3.2	2	8	0.41	Low	New Moon
WESTERN HEAD	2022-05-05 6:00	5.7	0.7	3	11	0.54	Low	New Moon
WESTERN HEAD	2022-05-05 7:00	6.1	0	1	9	0.71	Low	New Moon
WESTERN HEAD	2022-05-05 8:00	6.9	0	1	10	1.03	Flood	New Moon
WESTERN HEAD	2022-05-05 9:00	10.2	0	36	9	1.32	High	New Moon
WESTERN HEAD	2022-05-05 10:00	11.4	0	35	12	1.59	High	New Moon
WESTERN HEAD	2022-05-05 11:00	11.8	0	35	12	1.67	High	New Moon
WESTERN HEAD	2022-05-05 12:00	12.6	0	33	14	1.58	High	New Moon
WESTERN HEAD	2022-05-05 13:00	13.1	0	33	13	1.5	High	New Moon
WESTERN HEAD	2022-05-05 14:00	13.6	0	34	17	1.14	Ebb	New Moon
WESTERN HEAD	2022-05-05 15:00	14.3	0	30	16	1.03	Ebb	New Moon
WESTERN HEAD	2022-05-05 16:00	15.6	0	30	20	0.87	Ebb	New Moon
WESTERN HEAD	2022-05-05 17:00	15.5	0	29	18	0.9	Flood	New Moon
WESTERN HEAD	2022-05-05 18:00	14.2	0	29	20	0.86	Ebb	New Moon
WESTERN HEAD	2022-05-05 19:00	12.2	0	30	14	1.02	Flood	New Moon
WESTERN HEAD	2022-05-05 20:00	8.4	0	30	8	1.16	Flood	New Moon
WESTERN HEAD	2022-05-05 21:00	7.7	0	30	11	1.5	High	New Moon
WESTERN HEAD	2022-05-05 22:00	7.1	0	28	11	1.61	High	New Moon
WESTERN HEAD	2022-05-05 23:00	7.1	0	28	16	1.78	High	New Moon
WESTERN HEAD	2022-05-06 0:00	6.6	0	29	16	1.58	High	New Moon
WESTERN HEAD	2022-05-06 1:00	6	0	30	15	1.41	High	New Moon
WESTERN HEAD	2022-05-06 2:00	5.3	0	1	8	1.16	Ebb	New Moon
WESTERN HEAD	2022-05-06 3:00	4.8	0	36	8	0.94	Ebb	New Moon
WESTERN HEAD	2022-05-06 4:00	5.1	0	4	9	0.68	Low	New Moon
WESTERN HEAD	2022-05-06 5:00	2.7	0	34	7	0.54	Low	New Moon
WESTERN HEAD	2022-05-06 6:00	4	0	32	6	0.59	Low	New Moon
WESTERN HEAD	2022-05-06 7:00	7	0	28	6	0.6	Low	New Moon
WESTERN HEAD	2022-05-06 8:00	10	0	31	16	0.88	Flood	New Moon
WESTERN HEAD	2022-05-06 9:00	10.2	0	33	11	1.1	Flood	New Moon
WESTERN HEAD	2022-05-06 10:00	11.7	0	32	13	1.45	High	New Moon
WESTERN HEAD	2022-05-06 11:00	13.5	0	27	24	1.53	High	New Moon
WESTERN HEAD	2022-05-06 12:00	14.3	0	30	15	1.63	High	New Moon
WESTERN HEAD	2022-05-06 13:00	11.5	0	19	23	1.51	High	New Moon
WESTERN HEAD	2022-05-06 14:00	10.2	0	17	24	1.31	High	New Moon
WESTERN HEAD	2022-05-06 15:00	14.6	0	31	20	1.17	Ebb	New Moon
WESTERN HEAD	2022-05-06 16:00	14.4	0	31	21	1	Ebb	New Moon

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-05-06 17:00	14	0	31	21	0.95	Ebb	New Moon
WESTERN HEAD	2022-05-06 18:00	12.8	0	30	16	0.86	Ebb	New Moon
WESTERN HEAD	2022-05-06 19:00	10.6	0	28	8	0.93	Flood	New Moon
WESTERN HEAD	2022-05-06 20:00	7.9	0	30	10	1.03	Flood	New Moon
WESTERN HEAD	2022-05-06 21:00	7	0	30	10	1.27	Flood	New Moon
WESTERN HEAD	2022-05-06 22:00	6.3	0	33	11	1.46	High	New Moon
WESTERN HEAD	2022-05-06 23:00	5.3	0	36	7	1.59	High	New Moon
WESTERN HEAD	2022-05-07 0:00	4.8	0	2	6	1.61	High	New Moon
WESTERN HEAD	2022-05-07 1:00	4.5	0	35	9	1.51	High	New Moon
WESTERN HEAD	2022-05-07 2:00	4.2	0	36	9	1.36	High	New Moon
WESTERN HEAD	2022-05-07 3:00	3.7	0	36	8	1.04	Ebb	New Moon
WESTERN HEAD	2022-05-07 4:00	5.2	0	4	11	0.94	Ebb	New Moon
WESTERN HEAD	2022-05-07 5:00	5.2	0	5	12	0.63	Low	New Moon
WESTERN HEAD	2022-05-07 6:00	5.8	0	5	12	0.65	Low	New Moon
WESTERN HEAD	2022-05-07 7:00	5.3	0	1	10	0.55	Low	New Moon
WESTERN HEAD	2022-05-07 8:00	6.9	0	4	12	0.73	Low	New Moon
WESTERN HEAD	2022-05-07 9:00	7.6	0	5	14	0.93	Flood	New Moon
WESTERN HEAD	2022-05-07 10:00	8.9	0	5	15	1.19	Flood	New Moon
WESTERN HEAD	2022-05-07 11:00	8	0	7	22	1.42	High	New Moon
WESTERN HEAD	2022-05-07 12:00	9.3	0	8	20	1.51	High	New Moon
WESTERN HEAD	2022-05-07 13:00	9.6	0	10	21	1.56	High	New Moon
WESTERN HEAD	2022-05-07 14:00	9.5	0	11	20	1.47	High	New Moon
WESTERN HEAD	2022-05-07 15:00	9.9	0	11	18	1.36	High	New Moon
WESTERN HEAD	2022-05-07 16:00	8.2	0	12	15	1.18	Ebb	New Moon
WESTERN HEAD	2022-05-07 17:00	6.9	0	14	9	1.04	Ebb	New Moon
WESTERN HEAD	2022-05-07 18:00	6.4	0	13	4	0.94	Ebb	New Moon
WESTERN HEAD	2022-05-07 19:00	5.3	0	8	4	0.89	Ebb	New Moon
WESTERN HEAD	2022-05-07 20:00	4.3	0	5	5	0.92	Flood	New Moon
WESTERN HEAD	2022-05-07 21:00	4.9	0	6	8	1.07	Flood	New Moon
WESTERN HEAD	2022-05-07 22:00	5	0	6	14	1.26	Flood	New Moon
WESTERN HEAD	2022-05-07 23:00	5	0	7	16	1.41	High	New Moon
WESTERN HEAD	2022-05-08 0:00	4.7	0	6	11	1.53	High	New Moon
WESTERN HEAD	2022-05-08 1:00	5	0	6	13	1.47	High	New Moon
WESTERN HEAD	2022-05-08 2:00	4.7	0	6	19	1.44	High	New Moon
WESTERN HEAD	2022-05-08 3:00	4.4	0	5	13	1.19	Ebb	New Moon
WESTERN HEAD	2022-05-08 4:00	3.7	0	4	11	1.04	Ebb	New Moon
WESTERN HEAD	2022-05-08 5:00	2.9	0	2	8	0.81	Ebb	New Moon
WESTERN HEAD	2022-05-08 6:00	2.6	0	1	9	0.62	Low	New Moon
WESTERN HEAD	2022-05-08 7:00	3.9	0	2	10	0.55	Low	New Moon
WESTERN HEAD	2022-05-08 8:00	4.8	0	6	17	0.59	Low	New Moon
WESTERN HEAD	2022-05-08 9:00	5.3	0	5	14	0.71	Low	New Moon
WESTERN HEAD	2022-05-08 10:00	6.1	0	6	18	0.99	Flood	New Moon
WESTERN HEAD	2022-05-08 11:00	6.3	0	7	21	1.18	Flood	New Moon
WESTERN HEAD	2022-05-08 12:00	6.8	0	8	23	1.43	High	New Moon
WESTERN HEAD	2022-05-08 13:00	6.8	0	8	24	1.49	High	New Moon
WESTERN HEAD	2022-05-08 14:00	7.3	0	8	17	1.53	High	New Moon
WESTERN HEAD	2022-05-08 15:00	7.8	0	8	16	1.41	High	New Moon
WESTERN HEAD	2022-05-08 16:00	7.4	0	9	11	1.35	High	New Moon
WESTERN HEAD	2022-05-08 17:00	6.4	0	7	9	1.13	Ebb	New Moon
WESTERN HEAD	2022-05-08 18:00	5.7	0	6	9	1.09	Ebb	New Moon
WESTERN HEAD	2022-05-08 19:00	4.9	0	6	10	0.95	Ebb	New Moon
WESTERN HEAD	2022-05-08 20:00	4.4	0	5	9	0.87	Ebb	New Moon
WESTERN HEAD	2022-05-08 21:00	4.8	0	5	12	0.9	Flood	First Quarter
WESTERN HEAD	2022-05-08 22:00	4.7	0	6	12	1.03	Flood	First Quarter
WESTERN HEAD	2022-05-08 23:00	4.8	0	5	13	1.27	Flood	First Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-05-09 0:00	4.7	0	5	13	1.41	High	First Quarter
WESTERN HEAD	2022-05-09 1:00	4.7	0	5	12	1.49	High	First Quarter
WESTERN HEAD	2022-05-09 2:00	4.7	0	5	14	1.44	High	First Quarter
WESTERN HEAD	2022-05-09 3:00	4.8	0	5	14	1.37	High	First Quarter
WESTERN HEAD	2022-05-09 4:00	4.8	0	4	15	1.21	Ebb	First Quarter
WESTERN HEAD	2022-05-09 5:00	3.6	0	1	10	1	Ebb	First Quarter
WESTERN HEAD	2022-05-09 6:00	4	0	2	10	0.79	Low	First Quarter
WESTERN HEAD	2022-05-09 7:00	5.5	0	4	18	0.68	Low	First Quarter
WESTERN HEAD	2022-05-09 8:00	6	0	5	17	0.54	Low	First Quarter
WESTERN HEAD	2022-05-09 9:00	6.7	0	4	18	0.59	Low	First Quarter
WESTERN HEAD	2022-05-09 10:00	8.2	0	5	18	0.7	Low	First Quarter
WESTERN HEAD	2022-05-09 11:00	8	0	5	17	0.97	Flood	First Quarter
WESTERN HEAD	2022-05-09 12:00	8.5	0	5	16	1.25	Flood	First Quarter
WESTERN HEAD	2022-05-09 13:00	8.6	0	6	21	1.45	High	First Quarter
WESTERN HEAD	2022-05-09 14:00	8.6	0	6	21	1.51	High	First Quarter
WESTERN HEAD	2022-05-09 15:00	9	0	5	15	1.51	High	First Quarter
WESTERN HEAD	2022-05-09 16:00	9	0	5	14	1.42	High	First Quarter
WESTERN HEAD	2022-05-09 17:00	9.2	0	8	21	1.36	High	First Quarter
WESTERN HEAD	2022-05-09 18:00	7.2	0	8	26	1.17	Ebb	First Quarter
WESTERN HEAD	2022-05-09 19:00	6.7	0	4	12	1.03	Ebb	First Quarter
WESTERN HEAD	2022-05-09 20:00	5.9	0	4	15	0.87	Ebb	First Quarter
WESTERN HEAD	2022-05-09 21:00	6	0	4	15	0.8	Low	First Quarter
WESTERN HEAD	2022-05-09 22:00	5.7	0	4	14	0.87	Flood	First Quarter
WESTERN HEAD	2022-05-09 23:00	5.6	0	4	15	1.02	Flood	First Quarter
WESTERN HEAD	2022-05-10 0:00	5.6	0	4	18	1.26	Flood	First Quarter
WESTERN HEAD	2022-05-10 1:00	5.7	0	4	16	1.38	High	First Quarter
WESTERN HEAD	2022-05-10 2:00	5.9	0	4	17	1.51	High	First Quarter
WESTERN HEAD	2022-05-10 3:00	5.9	0	4	18	1.44	High	First Quarter
WESTERN HEAD	2022-05-10 4:00	6	0	4	16	1.38	High	First Quarter
WESTERN HEAD	2022-05-10 5:00	5.9	0	4	19	1.25	Ebb	First Quarter
WESTERN HEAD	2022-05-10 6:00	6	0	5	17	1.05	Ebb	First Quarter
WESTERN HEAD	2022-05-10 7:00	7.1	0	5	18	0.83	Ebb	First Quarter
WESTERN HEAD	2022-05-10 8:00	8.2	0	5	20	0.7	Low	First Quarter
WESTERN HEAD	2022-05-10 9:00	8.1	0	5	19	0.54	Low	First Quarter
WESTERN HEAD	2022-05-10 10:00	8.7	0	5	20	0.59	Low	First Quarter
WESTERN HEAD	2022-05-10 11:00	8.5	0	4	18	0.73	Low	First Quarter
WESTERN HEAD	2022-05-10 12:00	9.6	0	5	19	0.99	Flood	First Quarter
WESTERN HEAD	2022-05-10 13:00	8.3	0	5	18	1.25	Flood	First Quarter
WESTERN HEAD	2022-05-10 14:00	9.2	0	5	17	1.42	High	First Quarter
WESTERN HEAD	2022-05-10 15:00	9	0	5	19	1.52	High	First Quarter
WESTERN HEAD	2022-05-10 16:00	9.3	0	5	20	1.56	High	First Quarter
WESTERN HEAD	2022-05-10 17:00	8.7	0	5	16	1.49	High	First Quarter
WESTERN HEAD	2022-05-10 18:00	7.7	0	5	17	1.34	High	First Quarter
WESTERN HEAD	2022-05-10 19:00	6.4	0	6	23	1.13	Ebb	First Quarter
WESTERN HEAD	2022-05-10 20:00	5.5	0	5	16	0.91	Ebb	First Quarter
WESTERN HEAD	2022-05-10 21:00	5.1	0	5	17	0.78	Low	First Quarter
WESTERN HEAD	2022-05-10 22:00	5.4	0	5	19	0.69	Low	First Quarter
WESTERN HEAD	2022-05-10 23:00	5.3	0	5	18	0.77	Low	First Quarter
WESTERN HEAD	2022-05-11 0:00	5.3	0	5	18	0.93	Flood	First Quarter
WESTERN HEAD	2022-05-11 1:00	4.9	0	5	16	1.15	Flood	First Quarter
WESTERN HEAD	2022-05-11 2:00	5.1	0	4	19	1.35	High	First Quarter
WESTERN HEAD	2022-05-11 3:00	5.3	0	4	18	1.41	High	First Quarter
WESTERN HEAD	2022-05-11 4:00	5.6	0	5	17	1.44	High	First Quarter
WESTERN HEAD	2022-05-11 5:00	5.7	0	5	16	1.31	High	First Quarter
WESTERN HEAD	2022-05-11 6:00	5.8	0	5	17	1.22	Ebb	First Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-05-11 7:00	6	0	5	18	0.95	Ebb	First Quarter
WESTERN HEAD	2022-05-11 8:00	6.2	0	4	16	0.8	Low	First Quarter
WESTERN HEAD	2022-05-11 9:00	6.5	0	4	17	0.53	Low	First Quarter
WESTERN HEAD	2022-05-11 10:00	6.5	0	4	16	0.5	Low	First Quarter
WESTERN HEAD	2022-05-11 11:00	6.5	0	4	16	0.45	Low	First Quarter
WESTERN HEAD	2022-05-11 12:00	6.6	0	4	15	0.72	Low	First Quarter
WESTERN HEAD	2022-05-11 13:00	7.1	0	4	15	0.98	Flood	First Quarter
WESTERN HEAD	2022-05-11 14:00	7.5	0	4	13	1.27	Flood	First Quarter
WESTERN HEAD	2022-05-11 15:00	7.1	0	6	18	1.49	High	First Quarter
WESTERN HEAD	2022-05-11 16:00	7.3	0	7	21	1.58	High	First Quarter
WESTERN HEAD	2022-05-11 17:00	7.3	0	6	11	1.57	High	First Quarter
WESTERN HEAD	2022-05-11 18:00	7	0	3	10	1.48	High	First Quarter
WESTERN HEAD	2022-05-11 19:00	6.6	0	4	9	1.3	High	First Quarter
WESTERN HEAD	2022-05-11 20:00	6.3	0	3	8	1.03	Ebb	First Quarter
WESTERN HEAD	2022-05-11 21:00	6.4	0	2	6	0.77	Low	First Quarter
WESTERN HEAD	2022-05-11 22:00	6.8	0	4	6	0.62	Low	First Quarter
WESTERN HEAD	2022-05-11 23:00	6.6	0	5	7	0.51	Low	First Quarter
WESTERN HEAD	2022-05-12 0:00	6.2	0	3	7	0.63	Low	First Quarter
WESTERN HEAD	2022-05-12 1:00	6.4	0	5	4	0.83	Flood	First Quarter
WESTERN HEAD	2022-05-12 2:00	6.1	0	6	1	1.12	Flood	First Quarter
WESTERN HEAD	2022-05-12 3:00	6.6	0	34	12	1.35	High	First Quarter
WESTERN HEAD	2022-05-12 4:00	7.4	0	34	4	1.49	High	First Quarter
WESTERN HEAD	2022-05-12 5:00	7.5	0	15	5	1.48	High	First Quarter
WESTERN HEAD	2022-05-12 6:00	8.3	0	20	2	1.41	High	First Quarter
WESTERN HEAD	2022-05-12 7:00	9.3	0	17	3	1.22	Ebb	First Quarter
WESTERN HEAD	2022-05-12 8:00	9.5	0	19	5	0.98	Ebb	First Quarter
WESTERN HEAD	2022-05-12 9:00	11.6	0	20	7	0.7	Low	First Quarter
WESTERN HEAD	2022-05-12 10:00	12.4	0	20	9	0.52	Low	First Quarter
WESTERN HEAD	2022-05-12 11:00	11.7	0	22	13	0.45	Low	First Quarter
WESTERN HEAD	2022-05-12 12:00	11.7	0	22	14	0.49	Low	First Quarter
WESTERN HEAD	2022-05-12 13:00	12.5	0	23	15	0.79	Low	First Quarter
WESTERN HEAD	2022-05-12 14:00	13	0	22	13	1.02	Flood	First Quarter
WESTERN HEAD	2022-05-12 15:00	13	0	22	16	1.43	High	First Quarter
WESTERN HEAD	2022-05-12 16:00	14.5	0	21	16	1.62	High	First Quarter
WESTERN HEAD	2022-05-12 17:00	15.1	0	22	10	1.76	High	First Quarter
WESTERN HEAD	2022-05-12 18:00	14.2	0	23	13	1.69	High	First Quarter
WESTERN HEAD	2022-05-12 19:00	14.8	0	23	12	1.51	High	First Quarter
WESTERN HEAD	2022-05-12 20:00	11.5	0	24	13	1.23	Ebb	First Quarter
WESTERN HEAD	2022-05-12 21:00	18	0	28	14	0.94	Ebb	First Quarter
WESTERN HEAD	2022-05-12 22:00	18.9	0	30	18	0.67	Low	First Quarter
WESTERN HEAD	2022-05-12 23:00	16.7	0	32	20	0.48	Low	First Quarter
WESTERN HEAD	2022-05-13 0:00	14.1	0	36	8	0.41	Low	First Quarter
WESTERN HEAD	2022-05-13 1:00	12.6	0	1	9	0.58	Low	First Quarter
WESTERN HEAD	2022-05-13 2:00	8.5	0	4	6	0.82	Flood	First Quarter
WESTERN HEAD	2022-05-13 3:00	9.4	0	1	8	1.21	Flood	First Quarter
WESTERN HEAD	2022-05-13 4:00	8.6	0	36	10	1.43	High	First Quarter
WESTERN HEAD	2022-05-13 5:00	9.1	0	36	9	1.58	High	First Quarter
WESTERN HEAD	2022-05-13 6:00	8.5	0	4	7	1.56	High	First Quarter
WESTERN HEAD	2022-05-13 7:00	8.6	0	8	10	1.47	High	First Quarter
WESTERN HEAD	2022-05-13 8:00	10.1	0	3	6	1.24	Ebb	First Quarter
WESTERN HEAD	2022-05-13 9:00	9.3	0	17	8	0.93	Ebb	First Quarter
WESTERN HEAD	2022-05-13 10:00	10.3	0	18	12	0.73	Low	First Quarter
WESTERN HEAD	2022-05-13 11:00	10.5	0	20	11	0.43	Low	First Quarter
WESTERN HEAD	2022-05-13 12:00	10.5	0	21	15	0.43	Low	First Quarter
WESTERN HEAD	2022-05-13 13:00	12.6	0	22	19	0.44	Low	First Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-05-13 14:00	13.2	0	20	28	0.8	Low	First Quarter
WESTERN HEAD	2022-05-13 15:00	12.7	0	20	35	1.14	Flood	First Quarter
WESTERN HEAD	2022-05-13 16:00	12.5	0	20	29	1.55	High	First Quarter
WESTERN HEAD	2022-05-13 17:00	12.2	0	21	21	1.76	High	First Quarter
WESTERN HEAD	2022-05-13 18:00	10.2	0	20	23	1.88	High	First Quarter
WESTERN HEAD	2022-05-13 19:00	9.9	0	24	12	1.74	High	First Quarter
WESTERN HEAD	2022-05-13 20:00	9.5	0	24	14	1.54	High	First Quarter
WESTERN HEAD	2022-05-13 21:00	9.9	0	21	20	1.11	Ebb	First Quarter
WESTERN HEAD	2022-05-13 22:00	9.3	0	23	16	0.8	Low	First Quarter
WESTERN HEAD	2022-05-13 23:00	11.4	0	23	14	0.48	Low	First Quarter
WESTERN HEAD	2022-05-14 0:00	14.6	0	24	23	0.32	Low	First Quarter
WESTERN HEAD	2022-05-14 1:00	15.3	0	26	14	0.33	Low	First Quarter
WESTERN HEAD	2022-05-14 2:00	14.4	0	25	15	0.43	Low	First Quarter
WESTERN HEAD	2022-05-14 3:00	15.5	0	26	16	0.8	Low	First Quarter
WESTERN HEAD	2022-05-14 4:00	16.1	0	26	21	1.19	Flood	First Quarter
WESTERN HEAD	2022-05-14 5:00	15.8	0	26	18	1.48	High	First Quarter
WESTERN HEAD	2022-05-14 6:00	16.7	0	26	14	1.71	High	First Quarter
WESTERN HEAD	2022-05-14 7:00	18.8	0	26	21	1.68	High	First Quarter
WESTERN HEAD	2022-05-14 8:00	21.7	0	27	22	1.49	High	First Quarter
WESTERN HEAD	2022-05-14 9:00	24.6	0	26	17	1.2	Ebb	First Quarter
WESTERN HEAD	2022-05-14 10:00	27.5	0	29	18	0.9	Ebb	First Quarter
WESTERN HEAD	2022-05-14 11:00	29.4	0	28	17	0.64	Low	First Quarter
WESTERN HEAD	2022-05-14 12:00	15.8	0	19	8	0.46	Low	First Quarter
WESTERN HEAD	2022-05-14 13:00	17.1	0	20	6	0.4	Low	First Quarter
WESTERN HEAD	2022-05-14 14:00	15.7	0	21	13	0.58	Low	First Quarter
WESTERN HEAD	2022-05-14 15:00	17.3	0	22	11	0.91	Flood	First Quarter
WESTERN HEAD	2022-05-14 16:00	16.6	0	2	10	1.39	High	First Quarter
WESTERN HEAD	2022-05-14 17:00	14.9	0	2	10	1.78	High	First Quarter
WESTERN HEAD	2022-05-14 18:00	15.6	0	3	9	2.03	High	First Quarter
WESTERN HEAD	2022-05-14 19:00	11.8	0	2	8	2.04	High	First Quarter
WESTERN HEAD	2022-05-14 20:00	10.2	0	3	9	1.88	High	First Quarter
WESTERN HEAD	2022-05-14 21:00	9.6	0	5	7	1.54	High	First Quarter
WESTERN HEAD	2022-05-14 22:00	9.8	0	6	6	1.17	Ebb	First Quarter
WESTERN HEAD	2022-05-14 23:00	9.5	0	9	5	0.78	Low	First Quarter
WESTERN HEAD	2022-05-15 0:00	9.6	0	4	7	0.46	Low	First Quarter
WESTERN HEAD	2022-05-15 1:00	8.9	0	6	10	0.28	Low	First Quarter
WESTERN HEAD	2022-05-15 2:00	8.9	0	11	9	0.27	Low	First Quarter
WESTERN HEAD	2022-05-15 3:00	8.7	0	4	6	0.56	Low	First Quarter
WESTERN HEAD	2022-05-15 4:00	8.2	0	5	7	0.94	Flood	First Quarter
WESTERN HEAD	2022-05-15 5:00	8	0	9	8	1.36	High	First Quarter
WESTERN HEAD	2022-05-15 6:00	8.2	0	6	11	1.63	High	First Quarter
WESTERN HEAD	2022-05-15 7:00	8.4	0	5	11	1.84	High	First Quarter
WESTERN HEAD	2022-05-15 8:00	8.6	0	6	16	1.79	High	First Quarter
WESTERN HEAD	2022-05-15 9:00	8.8	0	7	14	1.59	High	First Quarter
WESTERN HEAD	2022-05-15 10:00	8.8	0	6	16	1.21	Ebb	First Quarter
WESTERN HEAD	2022-05-15 11:00	8.3	0	6	15	0.87	Ebb	First Quarter
WESTERN HEAD	2022-05-15 12:00	7.8	0	6	14	0.61	Low	First Quarter
WESTERN HEAD	2022-05-15 13:00	7.4	0.5	6	15	0.42	Low	First Quarter
WESTERN HEAD	2022-05-15 14:00	7.4	10.6	6	15	0.48	Low	First Quarter
WESTERN HEAD	2022-05-15 15:00	7.4	2.5	6	18	0.56	Low	First Quarter
WESTERN HEAD	2022-05-15 16:00	7.4	0.9	6	16	1.05	Flood	First Quarter
WESTERN HEAD	2022-05-15 17:00	7.2	1.4	5	12	1.43	High	First Quarter
WESTERN HEAD	2022-05-15 18:00	7	1.4	5	13	1.93	High	First Quarter
WESTERN HEAD	2022-05-15 19:00	7	1.1	5	11	2.09	High	First Quarter
WESTERN HEAD	2022-05-15 20:00	6.9	0	5	11	2.09	High	First Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-05-15 21:00	6.9	1	4	11	1.84	High	First Quarter
WESTERN HEAD	2022-05-15 22:00	7	0	4	10	1.48	High	First Quarter
WESTERN HEAD	2022-05-15 23:00	7.1	0	4	10	1.01	Ebb	First Quarter
WESTERN HEAD	2022-05-16 0:00	7.2	0	3	8	0.59	Low	First Quarter
WESTERN HEAD	2022-05-16 1:00	7.4	0	4	9	0.38	Low	Full Moon
WESTERN HEAD	2022-05-16 2:00	7.4	0	4	11	0.21	Low	Full Moon
WESTERN HEAD	2022-05-16 3:00	7.4	0	4	13	0.31	Low	Full Moon
WESTERN HEAD	2022-05-16 4:00	7.3	0.2	5	13	0.6	Low	Full Moon
WESTERN HEAD	2022-05-16 5:00	7.1	0.4	5	10	1.05	Flood	Full Moon
WESTERN HEAD	2022-05-16 6:00	7.2	0.2	5	12	1.52	High	Full Moon
WESTERN HEAD	2022-05-16 7:00	7.2	0.9	5	10	1.91	High	Full Moon
WESTERN HEAD	2022-05-16 8:00	7.5	0	4	9	2.01	High	Full Moon
WESTERN HEAD	2022-05-16 9:00	8.3	0	3	10	1.91	High	Full Moon
WESTERN HEAD	2022-05-16 10:00	8.4	0	4	12	1.64	High	Full Moon
WESTERN HEAD	2022-05-16 11:00	9.3	0	5	11	1.25	Ebb	Full Moon
WESTERN HEAD	2022-05-16 12:00	10.1	0	4	9	0.96	Ebb	Full Moon
WESTERN HEAD	2022-05-16 13:00	11.5	0	4	10	0.67	Low	Full Moon
WESTERN HEAD	2022-05-16 14:00	10.5	0	5	10	0.54	Low	Full Moon
WESTERN HEAD	2022-05-16 15:00	8.9	0	6	8	0.54	Low	Full Moon
WESTERN HEAD	2022-05-16 16:00	9.8	0	5	8	0.83	Flood	Full Moon
WESTERN HEAD	2022-05-16 17:00	8.9	0	5	6	1.2	Flood	Full Moon
WESTERN HEAD	2022-05-16 18:00	7.8	0	6	5	1.69	High	Full Moon
WESTERN HEAD	2022-05-16 19:00	7.8	0	6	3	2.07	High	Full Moon
WESTERN HEAD	2022-05-16 20:00	7.6	0	9	2	2.27	High	Full Moon
WESTERN HEAD	2022-05-16 21:00	8.1	0	0	1	2.15	High	Full Moon
WESTERN HEAD	2022-05-16 22:00	8.2	0	15	3	1.89	High	Full Moon
WESTERN HEAD	2022-05-16 23:00	8.5	0.2	19	4	1.41	High	Full Moon
WESTERN HEAD	2022-05-17 0:00	8.9	0	9	2	0.98	Ebb	Full Moon
WESTERN HEAD	2022-05-17 1:00	8.9	0	7	7	0.6	Low	Full Moon
WESTERN HEAD	2022-05-17 2:00	9.8	0	13	10	0.37	Low	Full Moon
WESTERN HEAD	2022-05-17 3:00	9.7	0	3	4	0.23	Low	Full Moon
WESTERN HEAD	2022-05-17 4:00	10.6	8.7	21	10	0.39	Low	Full Moon
WESTERN HEAD	2022-05-17 5:00	10.1	1.3	20	9	0.71	Low	Full Moon
WESTERN HEAD	2022-05-17 6:00	10	0.2	16	8	1.24	Flood	Full Moon
WESTERN HEAD	2022-05-17 7:00	10.1	0	21	8	1.68	High	Full Moon
WESTERN HEAD	2022-05-17 8:00	10.4	0.2	21	12	2.07	High	Full Moon
WESTERN HEAD	2022-05-17 9:00	10.2	0.9	21	15	2.12	High	Full Moon
WESTERN HEAD	2022-05-17 10:00	10.9	0	19	23	2.04	High	Full Moon
WESTERN HEAD	2022-05-17 11:00	10.5	0	21	29	1.7	High	Full Moon
WESTERN HEAD	2022-05-17 12:00	11	0	20	26	1.29	Ebb	Full Moon
WESTERN HEAD	2022-05-17 13:00	11.2	0	19	27	1	Ebb	Full Moon
WESTERN HEAD	2022-05-17 14:00	11.7	0	20	32	0.71	Low	Full Moon
WESTERN HEAD	2022-05-17 15:00	12.3	0	20	31	0.67	Low	Full Moon
WESTERN HEAD	2022-05-17 16:00	14.9	0	21	17	0.62	Low	Full Moon
WESTERN HEAD	2022-05-17 17:00	18.6	0	25	25	0.92	Flood	Full Moon
WESTERN HEAD	2022-05-17 18:00	15.6	0	24	19	1.36	High	Full Moon
WESTERN HEAD	2022-05-17 19:00	11.4	0	22	17	1.83	High	Full Moon
WESTERN HEAD	2022-05-17 20:00	8.9	0	22	21	2.14	High	Full Moon
WESTERN HEAD	2022-05-17 21:00	8.6	0	21	22	2.28	High	Full Moon
WESTERN HEAD	2022-05-17 22:00	8.1	0	21	25	2.08	High	Full Moon
WESTERN HEAD	2022-05-17 23:00	8.2	0	22	17	1.82	High	Full Moon
WESTERN HEAD	2022-05-18 0:00	8.1	0	24	16	1.34	High	Full Moon
WESTERN HEAD	2022-05-18 1:00	7.7	0	22	12	0.94	Ebb	Full Moon
WESTERN HEAD	2022-05-18 2:00	8.2	0	22	13	0.53	Low	Full Moon
WESTERN HEAD	2022-05-18 3:00	7.9	0	24	13	0.3	Low	Full Moon

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-05-18 4:00	8.4	0	24	11	0.2	Low	Full Moon
WESTERN HEAD	2022-05-18 5:00	7.8	0	22	14	0.39	Low	Full Moon
WESTERN HEAD	2022-05-18 6:00	8.1	0	23	12	0.76	Low	Full Moon
WESTERN HEAD	2022-05-18 7:00	12	0	26	14	1.26	Flood	Full Moon
WESTERN HEAD	2022-05-18 8:00	13.3	0	26	20	1.74	High	Full Moon
WESTERN HEAD	2022-05-18 9:00	14.4	0	26	21	2.02	High	Full Moon
WESTERN HEAD	2022-05-18 10:00	14.4	0	28	24	2.04	High	Full Moon
WESTERN HEAD	2022-05-18 11:00	14.7	0	26	28	1.84	High	Full Moon
WESTERN HEAD	2022-05-18 12:00	14.1	0	27	25	1.54	High	Full Moon
WESTERN HEAD	2022-05-18 13:00	15.3	0	26	27	1.19	Ebb	Full Moon
WESTERN HEAD	2022-05-18 14:00	15.7	0	28	25	0.9	Ebb	Full Moon
WESTERN HEAD	2022-05-18 15:00	14.7	0	29	28	0.68	Low	Full Moon
WESTERN HEAD	2022-05-18 16:00	14.7	0	30	27	0.55	Low	Full Moon
WESTERN HEAD	2022-05-18 17:00	15.4	0	29	25	0.59	Low	Full Moon
WESTERN HEAD	2022-05-18 18:00	15.3	0	30	22	0.83	Flood	Full Moon
WESTERN HEAD	2022-05-18 19:00	14.3	0	30	20	1.3	High	Full Moon
WESTERN HEAD	2022-05-18 20:00	11.5	0	30	9	1.71	High	Full Moon
WESTERN HEAD	2022-05-18 21:00	7.5	0	25	9	2.02	High	Full Moon
WESTERN HEAD	2022-05-18 22:00	7.7	0	25	6	2.09	High	Full Moon
WESTERN HEAD	2022-05-18 23:00	3.8	0	23	10	1.91	High	Full Moon
WESTERN HEAD	2022-05-19 0:00	3.8	0	25	12	1.55	High	Full Moon
WESTERN HEAD	2022-05-19 1:00	3.9	0	26	12	1.18	Ebb	Full Moon
WESTERN HEAD	2022-05-19 2:00	5	0	29	12	0.76	Low	Full Moon
WESTERN HEAD	2022-05-19 3:00	6.4	0	31	13	0.46	Low	Full Moon
WESTERN HEAD	2022-05-19 4:00	5.4	0	30	8	0.18	Low	Full Moon
WESTERN HEAD	2022-05-19 5:00	5.4	0	29	13	0.16	Low	Full Moon
WESTERN HEAD	2022-05-19 6:00	8.8	0	30	10	0.28	Low	Full Moon
WESTERN HEAD	2022-05-19 7:00	12	0	27	7	0.72	Low	Full Moon
WESTERN HEAD	2022-05-19 8:00	9.8	0	19	4	1.2	Flood	Full Moon
WESTERN HEAD	2022-05-19 9:00	11.2	0	20	7	1.63	High	Full Moon
WESTERN HEAD	2022-05-19 10:00	12.9	0	18	10	1.9	High	Full Moon
WESTERN HEAD	2022-05-19 11:00	12.6	0	17	18	1.9	High	Full Moon
WESTERN HEAD	2022-05-19 12:00	13.2	0	19	19	1.68	High	Full Moon
WESTERN HEAD	2022-05-19 13:00	14.1	0	18	23	1.41	High	Full Moon
WESTERN HEAD	2022-05-19 14:00	12.3	0	19	18	1.14	Ebb	Full Moon
WESTERN HEAD	2022-05-19 15:00	11.6	0	23	11	0.91	Ebb	Full Moon
WESTERN HEAD	2022-05-19 16:00	12.1	0	20	22	0.69	Low	Full Moon
WESTERN HEAD	2022-05-19 17:00	10.5	0	22	11	0.62	Low	Full Moon
WESTERN HEAD	2022-05-19 18:00	9.8	0	21	12	0.57	Low	Full Moon
WESTERN HEAD	2022-05-19 19:00	8.4	0	19	14	0.98	Flood	Full Moon
WESTERN HEAD	2022-05-19 20:00	8.1	0	20	8	1.29	Flood	Full Moon
WESTERN HEAD	2022-05-19 21:00	8	0	21	4	1.79	High	Full Moon
WESTERN HEAD	2022-05-19 22:00	8	0	19	3	1.96	High	Full Moon
WESTERN HEAD	2022-05-19 23:00	7.8	0	5	7	2.02	High	Full Moon
WESTERN HEAD	2022-05-20 0:00	7.7	1.2	2	7	1.82	High	Full Moon
WESTERN HEAD	2022-05-20 1:00	7.5	2.7	4	5	1.53	High	Full Moon
WESTERN HEAD	2022-05-20 2:00	7.5	3.9	7	16	1.16	Ebb	Full Moon
WESTERN HEAD	2022-05-20 3:00	7.6	0.8	3	10	0.78	Low	Full Moon
WESTERN HEAD	2022-05-20 4:00	7.8	0.3	5	17	0.5	Low	Full Moon
WESTERN HEAD	2022-05-20 5:00	7.5	0	4	12	0.28	Low	Full Moon
WESTERN HEAD	2022-05-20 6:00	7.8	0	4	12	0.26	Low	Full Moon
WESTERN HEAD	2022-05-20 7:00	8.1	0	5	10	0.44	Low	Full Moon
WESTERN HEAD	2022-05-20 8:00	10.8	0	4	9	0.81	Flood	Full Moon
WESTERN HEAD	2022-05-20 9:00	10.3	0	4	8	1.32	High	Full Moon
WESTERN HEAD	2022-05-20 10:00	11.2	0	4	8	1.68	High	Full Moon

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-05-20 11:00	11.8	0	4	6	1.91	High	Full Moon
WESTERN HEAD	2022-05-20 12:00	13.1	0	7	6	1.88	High	Full Moon
WESTERN HEAD	2022-05-20 13:00	12	0	12	7	1.7	High	Full Moon
WESTERN HEAD	2022-05-20 14:00	12.3	0	15	10	1.46	High	Full Moon
WESTERN HEAD	2022-05-20 15:00	12.4	0	18	14	1.25	Ebb	Full Moon
WESTERN HEAD	2022-05-20 16:00	11.5	0	22	17	1	Ebb	Full Moon
WESTERN HEAD	2022-05-20 17:00	11.4	0	22	19	0.76	Low	Full Moon
WESTERN HEAD	2022-05-20 18:00	10.7	0	22	13	0.61	Low	Full Moon
WESTERN HEAD	2022-05-20 19:00	9.3	0	22	10	0.75	Low	Full Moon
WESTERN HEAD	2022-05-20 20:00	8.2	0	20	16	0.83	Flood	Full Moon
WESTERN HEAD	2022-05-20 21:00	7.8	0	20	14	1.35	High	Full Moon
WESTERN HEAD	2022-05-20 22:00	7.6	0	21	15	1.58	High	Full Moon
WESTERN HEAD	2022-05-20 23:00	6.8	0	21	8	1.87	High	Full Moon
WESTERN HEAD	2022-05-21 0:00	7.3	0	19	14	1.81	High	Full Moon
WESTERN HEAD	2022-05-21 1:00	7	0	20	15	1.68	High	Full Moon
WESTERN HEAD	2022-05-21 2:00	6.8	0	20	12	1.34	High	Full Moon
WESTERN HEAD	2022-05-21 3:00	6.6	0	19	10	1.1	Ebb	Full Moon
WESTERN HEAD	2022-05-21 4:00	6.7	0	21	11	0.76	Low	Full Moon
WESTERN HEAD	2022-05-21 5:00	6.7	0	19	10	0.46	Low	Full Moon
WESTERN HEAD	2022-05-21 6:00	7.7	0	19	10	0.27	Low	Full Moon
WESTERN HEAD	2022-05-21 7:00	8.8	0	19	11	0.19	Low	Full Moon
WESTERN HEAD	2022-05-21 8:00	10	0	20	12	0.39	Low	Full Moon
WESTERN HEAD	2022-05-21 9:00	10.1	0	20	13	0.81	Flood	Full Moon
WESTERN HEAD	2022-05-21 10:00	11.3	0	19	13	1.2	Flood	Full Moon
WESTERN HEAD	2022-05-21 11:00	10.8	0	16	9	1.59	High	Full Moon
WESTERN HEAD	2022-05-21 12:00	11.4	0	18	12	1.67	High	Full Moon
WESTERN HEAD	2022-05-21 13:00	11.1	0	17	11	1.68	High	Full Moon
WESTERN HEAD	2022-05-21 14:00	11.5	0	20	11	1.54	High	Full Moon
WESTERN HEAD	2022-05-21 15:00	10.9	0	20	10	1.42	High	Full Moon
WESTERN HEAD	2022-05-21 16:00	11	0	20	7	1.12	Ebb	Full Moon
WESTERN HEAD	2022-05-21 17:00	11.1	0	18	12	0.95	Ebb	Full Moon
WESTERN HEAD	2022-05-21 18:00	10.1	0	22	11	0.72	Low	Full Moon
WESTERN HEAD	2022-05-21 19:00	10.3	0	23	9	0.64	Low	Full Moon
WESTERN HEAD	2022-05-21 20:00	10.5	0	24	8	0.62	Low	Full Moon
WESTERN HEAD	2022-05-21 21:00	10.3	0	20	7	0.85	Flood	Full Moon
WESTERN HEAD	2022-05-21 22:00	10.4	0	24	5	1.22	Flood	Full Moon
WESTERN HEAD	2022-05-21 23:00	10.4	0	28	4	1.53	High	Full Moon
WESTERN HEAD	2022-05-22 0:00	9.6	0	4	2	1.74	High	Full Moon
WESTERN HEAD	2022-05-22 1:00	9.4	0	1	2	1.72	High	Full Moon
WESTERN HEAD	2022-05-22 2:00	9.3	0	14	7	1.53	High	Full Moon
WESTERN HEAD	2022-05-22 3:00	9.6	0	20	10	1.4	High	Full Moon
WESTERN HEAD	2022-05-22 4:00	10	0	25	7	1.11	Ebb	Full Moon
WESTERN HEAD	2022-05-22 5:00	9.5	0	16	7	0.78	Low	Full Moon
WESTERN HEAD	2022-05-22 6:00	9.4	0.2	14	6	0.54	Low	Full Moon
WESTERN HEAD	2022-05-22 7:00	9.5	0	15	4	0.28	Low	Full Moon
WESTERN HEAD	2022-05-22 8:00	10.7	0	11	1	0.34	Low	Full Moon
WESTERN HEAD	2022-05-22 9:00	11.5	0	10	5	0.4	Low	Full Moon
WESTERN HEAD	2022-05-22 10:00	10.7	0	13	4	0.9	Flood	Full Moon
WESTERN HEAD	2022-05-22 11:00	11.6	0	15	7	1.2	Flood	Full Moon
WESTERN HEAD	2022-05-22 12:00	10.8	0	14	6	1.59	High	Full Moon
WESTERN HEAD	2022-05-22 13:00	11.5	0	17	8	1.72	High	Full Moon
WESTERN HEAD	2022-05-22 14:00	11.9	0	18	11	1.63	High	Full Moon
WESTERN HEAD	2022-05-22 15:00	11.1	0	23	9	1.6	High	Full Moon
WESTERN HEAD	2022-05-22 16:00	10.5	0	17	22	1.39	High	Last Quarter
WESTERN HEAD	2022-05-22 17:00	10.5	0	19	16	1.33	High	Last Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-05-22 18:00	10.2	0	22	11	1.02	Ebb	Last Quarter
WESTERN HEAD	2022-05-22 19:00	9.5	0	19	14	0.84	Ebb	Last Quarter
WESTERN HEAD	2022-05-22 20:00	9.2	0	21	12	0.67	Low	Last Quarter
WESTERN HEAD	2022-05-22 21:00	9.3	0	20	17	0.68	Low	Last Quarter
WESTERN HEAD	2022-05-22 22:00	9	0	21	14	0.93	Flood	Last Quarter
WESTERN HEAD	2022-05-22 23:00	9.1	0	20	15	1.18	Flood	Last Quarter
WESTERN HEAD	2022-05-23 0:00	9.1	0	21	15	1.51	High	Last Quarter
WESTERN HEAD	2022-05-23 1:00	8.7	0	20	15	1.67	High	Last Quarter
WESTERN HEAD	2022-05-23 2:00	8.9	0	19	18	1.66	High	Last Quarter
WESTERN HEAD	2022-05-23 3:00	8.8	0	20	19	1.58	High	Last Quarter
WESTERN HEAD	2022-05-23 4:00	8.8	0	21	10	1.35	High	Last Quarter
WESTERN HEAD	2022-05-23 5:00	8.7	0	24	6	1.11	Ebb	Last Quarter
WESTERN HEAD	2022-05-23 6:00	9	0.2	23	5	0.9	Ebb	Last Quarter
WESTERN HEAD	2022-05-23 7:00	9.4	0	22	7	0.57	Low	Last Quarter
WESTERN HEAD	2022-05-23 8:00	11	0	21	3	0.46	Low	Last Quarter
WESTERN HEAD	2022-05-23 9:00	13.5	0	5	3	0.31	Low	Last Quarter
WESTERN HEAD	2022-05-23 10:00	15.8	0	3	7	0.53	Low	Last Quarter
WESTERN HEAD	2022-05-23 11:00	18.5	0	36	12	0.85	Flood	Last Quarter
WESTERN HEAD	2022-05-23 12:00	18.5	0	6	10	1.26	Flood	Last Quarter
WESTERN HEAD	2022-05-23 13:00	17.7	0	7	12	1.52	High	Last Quarter
WESTERN HEAD	2022-05-23 14:00	17	0	7	8	1.74	High	Last Quarter
WESTERN HEAD	2022-05-23 15:00	15.3	0	1	9	1.68	High	Last Quarter
WESTERN HEAD	2022-05-23 16:00	15.1	0	36	6	1.61	High	Last Quarter
WESTERN HEAD	2022-05-23 17:00	12.9	0	8	2	1.49	High	Last Quarter
WESTERN HEAD	2022-05-23 18:00	13.1	0	6	8	1.19	Ebb	Last Quarter
WESTERN HEAD	2022-05-23 19:00	12.5	0	5	7	1.09	Ebb	Last Quarter
WESTERN HEAD	2022-05-23 20:00	10.5	0	6	9	0.75	Low	Last Quarter
WESTERN HEAD	2022-05-23 21:00	9.6	0	7	11	0.64	Low	Last Quarter
WESTERN HEAD	2022-05-23 22:00	9	0	6	9	0.6	Low	Last Quarter
WESTERN HEAD	2022-05-23 23:00	9.4	0	4	9	0.77	Low	Last Quarter
WESTERN HEAD	2022-05-24 0:00	8.9	0	4	10	1.06	Flood	Last Quarter
WESTERN HEAD	2022-05-24 1:00	8.7	0	36	7	1.4	High	Last Quarter
WESTERN HEAD	2022-05-24 2:00	8.4	0	36	8	1.51	High	Last Quarter
WESTERN HEAD	2022-05-24 3:00	8.1	0	36	9	1.62	High	Last Quarter
WESTERN HEAD	2022-05-24 4:00	7.4	0	35	9	1.45	High	Last Quarter
WESTERN HEAD	2022-05-24 5:00	7.1	0	34	11	1.29	Ebb	Last Quarter
WESTERN HEAD	2022-05-24 6:00	8.4	0	35	11	1.06	Ebb	Last Quarter
WESTERN HEAD	2022-05-24 7:00	9.4	0	36	11	0.74	Low	Last Quarter
WESTERN HEAD	2022-05-24 8:00	12.3	0	2	9	0.59	Low	Last Quarter
WESTERN HEAD	2022-05-24 9:00	12.8	0	6	13	0.41	Low	Last Quarter
WESTERN HEAD	2022-05-24 10:00	12.7	0	8	14	0.37	Low	Last Quarter
WESTERN HEAD	2022-05-24 11:00	12.9	0	9	13	0.51	Low	Last Quarter
WESTERN HEAD	2022-05-24 12:00	13.6	0	12	9	0.83	Flood	Last Quarter
WESTERN HEAD	2022-05-24 13:00	13.2	0	15	7	1.25	Flood	Last Quarter
WESTERN HEAD	2022-05-24 14:00	13.7	0	16	7	1.53	High	Last Quarter
WESTERN HEAD	2022-05-24 15:00	14.8	0	12	12	1.74	High	Last Quarter
WESTERN HEAD	2022-05-24 16:00	13.6	0	21	7	1.73	High	Last Quarter
WESTERN HEAD	2022-05-24 17:00	13.3	0	21	8	1.7	High	Last Quarter
WESTERN HEAD	2022-05-24 18:00	12.6	0	19	8	1.48	High	Last Quarter
WESTERN HEAD	2022-05-24 19:00	10.9	0	21	11	1.23	Ebb	Last Quarter
WESTERN HEAD	2022-05-24 20:00	8.9	0	21	8	0.92	Ebb	Last Quarter
WESTERN HEAD	2022-05-24 21:00	6.8	0	19	8	0.72	Low	Last Quarter
WESTERN HEAD	2022-05-24 22:00	4.7	0	24	4	0.59	Low	Last Quarter
WESTERN HEAD	2022-05-24 23:00	4	0	24	4	0.5	Low	Last Quarter
WESTERN HEAD	2022-05-25 0:00	4.3	0	0	0	0.73	Low	Last Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-05-25 1:00	4.8	0	31	2	0.96	Flood	Last Quarter
WESTERN HEAD	2022-05-25 2:00	5.4	0	1	6	1.32	High	Last Quarter
WESTERN HEAD	2022-05-25 3:00	4.4	0	36	5	1.46	High	Last Quarter
WESTERN HEAD	2022-05-25 4:00	4.8	0	36	4	1.46	High	Last Quarter
WESTERN HEAD	2022-05-25 5:00	4.6	0	1	4	1.44	High	Last Quarter
WESTERN HEAD	2022-05-25 6:00	7.1	0	3	1	1.2	Ebb	Last Quarter
WESTERN HEAD	2022-05-25 7:00	9.5	0	10	2	1.09	Ebb	Last Quarter
WESTERN HEAD	2022-05-25 8:00	10.6	0	14	4	0.73	Low	Last Quarter
WESTERN HEAD	2022-05-25 9:00	11.9	0	14	8	0.5	Low	Last Quarter
WESTERN HEAD	2022-05-25 10:00	11.9	0	15	10	0.4	Low	Last Quarter
WESTERN HEAD	2022-05-25 11:00	13.2	0	16	12	0.31	Low	Last Quarter
WESTERN HEAD	2022-05-25 12:00	13.4	0	17	17	0.57	Low	Last Quarter
WESTERN HEAD	2022-05-25 13:00	13.4	0	19	17	0.83	Flood	Last Quarter
WESTERN HEAD	2022-05-25 14:00	13	0	20	19	1.24	Flood	Last Quarter
WESTERN HEAD	2022-05-25 15:00	13.2	0	20	26	1.55	High	Last Quarter
WESTERN HEAD	2022-05-25 16:00	13	0	20	29	1.73	High	Last Quarter
WESTERN HEAD	2022-05-25 17:00	12.5	0	19	27	1.71	High	Last Quarter
WESTERN HEAD	2022-05-25 18:00	11.3	0	20	31	1.61	High	Last Quarter
WESTERN HEAD	2022-05-25 19:00	10.6	0	20	27	1.39	High	Last Quarter
WESTERN HEAD	2022-05-25 20:00	10.1	0	22	13	1.08	Ebb	Last Quarter
WESTERN HEAD	2022-05-25 21:00	9.3	0	24	12	0.81	Ebb	Last Quarter
WESTERN HEAD	2022-05-25 22:00	9.5	0	24	15	0.57	Low	Last Quarter
WESTERN HEAD	2022-05-25 23:00	8.3	0	25	13	0.41	Low	Last Quarter
WESTERN HEAD	2022-05-26 0:00	6.3	0	27	7	0.45	Low	Last Quarter
WESTERN HEAD	2022-05-26 1:00	6.7	0	27	9	N/A	High	Last Quarter
WESTERN HEAD	2022-05-26 2:00	5.6	0	24	10	N/A	High	Last Quarter
WESTERN HEAD	2022-05-26 3:00	6.1	0	24	11	N/A	High	Last Quarter
WESTERN HEAD	2022-05-26 4:00	5.9	0	24	10	N/A	High	Last Quarter
WESTERN HEAD	2022-05-26 5:00	4.9	0	24	8	1.51	High	Last Quarter
WESTERN HEAD	2022-05-26 6:00	7.9	0	23	11	1.45	High	Last Quarter
WESTERN HEAD	2022-05-26 7:00	9.9	0	22	11	1.26	Ebb	Last Quarter
WESTERN HEAD	2022-05-26 8:00	12.1	0	22	12	1.08	Ebb	Last Quarter
WESTERN HEAD	2022-05-26 9:00	13.7	0	22	13	0.77	Low	Last Quarter
WESTERN HEAD	2022-05-26 10:00	13.1	0	20	21	0.57	Low	Last Quarter
WESTERN HEAD	2022-05-26 11:00	12.2	0	20	27	0.44	Low	Last Quarter
WESTERN HEAD	2022-05-26 12:00	14	0	20	27	0.45	Low	Last Quarter
WESTERN HEAD	2022-05-26 13:00	13	0	20	30	0.58	Low	Last Quarter
WESTERN HEAD	2022-05-26 14:00	12.6	0	20	32	0.9	Flood	Last Quarter
WESTERN HEAD	2022-05-26 15:00	12.5	0	20	31	1.27	Flood	Last Quarter
WESTERN HEAD	2022-05-26 16:00	11.1	0	20	34	1.62	High	Last Quarter
WESTERN HEAD	2022-05-26 17:00	10.4	0	20	29	1.76	High	Last Quarter
WESTERN HEAD	2022-05-26 18:00	9.7	0	20	27	1.74	High	Last Quarter
WESTERN HEAD	2022-05-26 19:00	9.5	0	21	26	1.6	High	Last Quarter
WESTERN HEAD	2022-05-26 20:00	9.2	0	21	21	1.31	High	Last Quarter
WESTERN HEAD	2022-05-26 21:00	8.9	0	21	17	1.03	Ebb	Last Quarter
WESTERN HEAD	2022-05-26 22:00	8.8	0	23	12	0.69	Low	Last Quarter
WESTERN HEAD	2022-05-26 23:00	8.9	0	23	12	0.52	Low	Last Quarter
WESTERN HEAD	2022-05-27 0:00	8.7	0	22	9	0.39	Low	Last Quarter
WESTERN HEAD	2022-05-27 1:00	9.1	0	23	15	0.5	Low	Last Quarter
WESTERN HEAD	2022-05-27 2:00	9.2	0	23	15	0.7	Low	Last Quarter
WESTERN HEAD	2022-05-27 3:00	9.3	0	22	18	1.06	Flood	Last Quarter
WESTERN HEAD	2022-05-27 4:00	9.4	0	22	20	1.38	High	Last Quarter
WESTERN HEAD	2022-05-27 5:00	9.2	0	21	24	1.62	High	Last Quarter
WESTERN HEAD	2022-05-27 6:00	9.2	0	20	24	1.74	High	Last Quarter
WESTERN HEAD	2022-05-27 7:00	9.7	0	20	25	1.6	High	Last Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-05-27 8:00	9.9	0	20	28	1.47	High	Last Quarter
WESTERN HEAD	2022-05-27 9:00	10.3	0	19	25	1.09	Ebb	Last Quarter
WESTERN HEAD	2022-05-27 10:00	12.3	0	20	25	0.88	Ebb	Last Quarter
WESTERN HEAD	2022-05-27 11:00	12.1	0	21	27	0.66	Low	Last Quarter
WESTERN HEAD	2022-05-27 12:00	11.2	0	20	27	0.58	Low	Last Quarter
WESTERN HEAD	2022-05-27 13:00	10.6	0	21	27	0.59	Low	Last Quarter
WESTERN HEAD	2022-05-27 14:00	10.4	0	20	26	0.81	Flood	Last Quarter
WESTERN HEAD	2022-05-27 15:00	10.3	0	20	25	1.1	Flood	Last Quarter
WESTERN HEAD	2022-05-27 16:00	9.3	0	20	26	1.43	High	Last Quarter
WESTERN HEAD	2022-05-27 17:00	9	0	20	22	1.77	High	Last Quarter
WESTERN HEAD	2022-05-27 18:00	9	0	20	26	1.81	High	Last Quarter
WESTERN HEAD	2022-05-27 19:00	9.1	0	20	25	1.8	High	Last Quarter
WESTERN HEAD	2022-05-27 20:00	8.9	0	20	22	1.54	High	Last Quarter
WESTERN HEAD	2022-05-27 21:00	8.6	0	21	19	1.27	Ebb	Last Quarter
WESTERN HEAD	2022-05-27 22:00	8.9	0	21	18	0.87	Ebb	Last Quarter
WESTERN HEAD	2022-05-27 23:00	8.8	0	21	19	0.66	Low	Last Quarter
WESTERN HEAD	2022-05-28 0:00	8.3	0	20	21	0.42	Low	Last Quarter
WESTERN HEAD	2022-05-28 1:00	8.6	0	21	19	0.46	Low	Last Quarter
WESTERN HEAD	2022-05-28 2:00	8.3	0	20	20	0.47	Low	Last Quarter
WESTERN HEAD	2022-05-28 3:00	8.1	0	20	23	0.8	Low	Last Quarter
WESTERN HEAD	2022-05-28 4:00	8.1	0	20	22	1.17	Flood	Last Quarter
WESTERN HEAD	2022-05-28 5:00	8.3	0	20	23	1.41	High	Last Quarter
WESTERN HEAD	2022-05-28 6:00	9	0.6	21	19	1.73	High	Last Quarter
WESTERN HEAD	2022-05-28 7:00	9.8	10.2	21	22	1.69	High	Last Quarter
WESTERN HEAD	2022-05-28 8:00	10.1	1.1	21	23	1.68	High	Last Quarter
WESTERN HEAD	2022-05-28 9:00	10.8	5.5	21	28	1.35	High	Last Quarter
WESTERN HEAD	2022-05-28 10:00	10.3	2.2	22	21	1.18	Ebb	Last Quarter
WESTERN HEAD	2022-05-28 11:00	10.7	7.9	21	22	0.81	Ebb	Last Quarter
WESTERN HEAD	2022-05-28 12:00	10.9	6.8	21	21	0.72	Low	Last Quarter
WESTERN HEAD	2022-05-28 13:00	10.4	1.9	20	26	0.6	Low	Last Quarter
WESTERN HEAD	2022-05-28 14:00	11.3	1.4	20	31	0.72	Low	Last Quarter
WESTERN HEAD	2022-05-28 15:00	9.9	0.3	20	27	0.97	Flood	Last Quarter
WESTERN HEAD	2022-05-28 16:00	9.6	0	20	24	1.25	Flood	Last Quarter
WESTERN HEAD	2022-05-28 17:00	9.4	0	20	28	1.67	High	Last Quarter
WESTERN HEAD	2022-05-28 18:00	8.8	0	20	26	1.83	High	Last Quarter
WESTERN HEAD	2022-05-28 19:00	8.7	0	20	28	1.95	High	Last Quarter
WESTERN HEAD	2022-05-28 20:00	8.3	0	20	22	1.83	High	Last Quarter
WESTERN HEAD	2022-05-28 21:00	7.7	0	20	19	1.53	High	Last Quarter
WESTERN HEAD	2022-05-28 22:00	7.3	0	24	10	1.19	Ebb	Last Quarter
WESTERN HEAD	2022-05-28 23:00	7.5	0	24	13	0.87	Ebb	Last Quarter
WESTERN HEAD	2022-05-29 0:00	7.3	0	23	14	0.58	Low	Last Quarter
WESTERN HEAD	2022-05-29 1:00	8	0	24	12	0.48	Low	Last Quarter
WESTERN HEAD	2022-05-29 2:00	14.5	0	30	14	0.46	Low	Last Quarter
WESTERN HEAD	2022-05-29 3:00	14.8	0	30	5	0.55	Low	Last Quarter
WESTERN HEAD	2022-05-29 4:00	14	0	24	4	0.93	Flood	Last Quarter
WESTERN HEAD	2022-05-29 5:00	13.5	0.2	34	6	1.21	Flood	Last Quarter
WESTERN HEAD	2022-05-29 6:00	12.3	0	35	2	1.55	High	Last Quarter
WESTERN HEAD	2022-05-29 7:00	14.7	0	32	7	1.72	High	Last Quarter
WESTERN HEAD	2022-05-29 8:00	18	0	33	6	1.75	High	Last Quarter
WESTERN HEAD	2022-05-29 9:00	20.3	0	34	12	1.53	High	Last Quarter
WESTERN HEAD	2022-05-29 10:00	21.8	0	34	14	1.29	Ebb	Last Quarter
WESTERN HEAD	2022-05-29 11:00	23.5	0	33	17	0.99	Ebb	Last Quarter
WESTERN HEAD	2022-05-29 12:00	25	0	33	13	0.74	Low	Last Quarter
WESTERN HEAD	2022-05-29 13:00	25.6	0	1	9	0.69	Low	Last Quarter
WESTERN HEAD	2022-05-29 14:00	17.8	0	18	19	0.61	Low	Last Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-05-29 15:00	17.3	0	19	19	0.74	Low	Last Quarter
WESTERN HEAD	2022-05-29 16:00	19.1	0	25	12	1	Flood	Last Quarter
WESTERN HEAD	2022-05-29 17:00	15.7	0	20	17	1.33	High	Last Quarter
WESTERN HEAD	2022-05-29 18:00	14.3	0	22	14	1.66	High	Last Quarter
WESTERN HEAD	2022-05-29 19:00	14.1	0	25	10	1.8	High	Last Quarter
WESTERN HEAD	2022-05-29 20:00	18.4	0	27	14	1.86	High	Last Quarter
WESTERN HEAD	2022-05-29 21:00	17	0	29	13	1.59	High	Last Quarter
WESTERN HEAD	2022-05-29 22:00	16.5	0	29	17	1.32	High	Last Quarter
WESTERN HEAD	2022-05-29 23:00	15.5	0	29	16	0.95	Ebb	Last Quarter
WESTERN HEAD	2022-05-30 0:00	15	0	29	18	0.63	Low	Last Quarter
WESTERN HEAD	2022-05-30 1:00	14.8	0	29	20	0.42	Low	Last Quarter
WESTERN HEAD	2022-05-30 2:00	14.7	0	29	21	0.3	Low	Last Quarter
WESTERN HEAD	2022-05-30 3:00	14.3	0	30	18	0.37	Low	Last Quarter
WESTERN HEAD	2022-05-30 4:00	14.1	0	29	19	0.56	Low	Last Quarter
WESTERN HEAD	2022-05-30 5:00	14.2	0	29	20	0.94	Flood	Last Quarter
WESTERN HEAD	2022-05-30 6:00	15.4	0	28	18	1.28	Flood	Last Quarter
WESTERN HEAD	2022-05-30 7:00	15.5	0	23	14	1.58	High	Last Quarter
WESTERN HEAD	2022-05-30 8:00	18.2	0	22	9	1.72	High	Last Quarter
WESTERN HEAD	2022-05-30 9:00	16.2	0	21	12	1.65	High	New Moon
WESTERN HEAD	2022-05-30 10:00	13.2	0	23	10	1.48	High	New Moon
WESTERN HEAD	2022-05-30 11:00	13.6	0	23	9	1.19	Ebb	New Moon
WESTERN HEAD	2022-05-30 12:00	28.2	0	27	23	0.97	Ebb	New Moon
WESTERN HEAD	2022-05-30 13:00	21.8	0	24	22	0.76	Low	New Moon
WESTERN HEAD	2022-05-30 14:00	14.5	0	21	17	0.72	Low	New Moon
WESTERN HEAD	2022-05-30 15:00	28.6	0	26	25	0.72	Low	New Moon
WESTERN HEAD	2022-05-30 16:00	13.8	0	21	16	0.91	Flood	New Moon
WESTERN HEAD	2022-05-30 17:00	13.9	0	23	13	1.18	Flood	New Moon
WESTERN HEAD	2022-05-30 18:00	13.5	0	23	16	1.51	High	New Moon
WESTERN HEAD	2022-05-30 19:00	16.8	0	24	20	1.78	High	New Moon
WESTERN HEAD	2022-05-30 20:00	19.7	0	26	21	1.82	High	New Moon
WESTERN HEAD	2022-05-30 21:00	19.2	0	27	21	1.82	High	New Moon
WESTERN HEAD	2022-05-30 22:00	18.7	0	28	21	1.49	High	New Moon
WESTERN HEAD	2022-05-30 23:00	18	0	30	13	1.27	Ebb	New Moon
WESTERN HEAD	2022-05-31 0:00	17.4	0	32	11	0.8	Low	New Moon
WESTERN HEAD	2022-05-31 1:00	11	0	5	10	0.55	Low	New Moon
WESTERN HEAD	2022-05-31 2:00	9.5	0	6	12	0.38	Low	New Moon
WESTERN HEAD	2022-05-31 3:00	8.6	0	3	7	0.33	Low	New Moon
WESTERN HEAD	2022-05-31 4:00	7.5	1.4	2	4	0.49	Low	New Moon
WESTERN HEAD	2022-05-31 5:00	7.5	3.8	36	7	0.68	Low	New Moon
WESTERN HEAD	2022-05-31 6:00	7.1	1.5	36	5	1.08	Flood	New Moon
WESTERN HEAD	2022-05-31 7:00	7.3	0.7	2	5	1.43	High	New Moon
WESTERN HEAD	2022-05-31 8:00	7.7	0.3	1	5	1.65	High	New Moon
WESTERN HEAD	2022-05-31 9:00	9.3	0	34	8	1.77	High	New Moon
WESTERN HEAD	2022-05-31 10:00	12.8	0	1	8	1.66	High	New Moon
WESTERN HEAD	2022-05-31 11:00	14.5	0	35	13	1.4	High	New Moon
WESTERN HEAD	2022-05-31 12:00	16.4	0	36	11	1.17	Ebb	New Moon
WESTERN HEAD	2022-05-31 13:00	16.3	0	1	11	0.91	Ebb	New Moon
WESTERN HEAD	2022-05-31 14:00	13	0	16	12	0.72	Low	New Moon
WESTERN HEAD	2022-05-31 15:00	11.8	0	20	15	0.78	Low	New Moon
WESTERN HEAD	2022-05-31 16:00	10.4	0	21	13	0.76	Low	New Moon
WESTERN HEAD	2022-05-31 17:00	9.3	0	21	10	0.97	Flood	New Moon
WESTERN HEAD	2022-05-31 18:00	9	0	18	12	1.29	Flood	New Moon
WESTERN HEAD	2022-05-31 19:00	8.8	0	22	8	1.56	High	New Moon
WESTERN HEAD	2022-05-31 20:00	7.1	0	24	10	1.8	High	New Moon
WESTERN HEAD	2022-05-31 21:00	6.1	0	26	8	1.8	High	New Moon

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-05-31 22:00	8.3	0	1	3	1.71	High	New Moon
WESTERN HEAD	2022-05-31 23:00	8.9	0	35	9	1.38	High	New Moon
WESTERN HEAD	2022-06-01 0:00	8.7	0	34	9	1.11	Ebb	New Moon
WESTERN HEAD	2022-06-01 1:00	7.9	0	33	8	0.74	Low	New Moon
WESTERN HEAD	2022-06-01 2:00	5.7	0	33	9	0.55	Low	New Moon
WESTERN HEAD	2022-06-01 3:00	5.2	0	31	11	0.39	Low	New Moon
WESTERN HEAD	2022-06-01 4:00	4.7	0	30	13	0.41	Low	New Moon
WESTERN HEAD	2022-06-01 5:00	5.2	0	30	16	0.62	Low	New Moon
WESTERN HEAD	2022-06-01 6:00	7.2	0	31	17	0.87	Flood	New Moon
WESTERN HEAD	2022-06-01 7:00	10.2	0	31	16	1.25	Flood	New Moon
WESTERN HEAD	2022-06-01 8:00	12	0	33	17	1.52	High	New Moon
WESTERN HEAD	2022-06-01 9:00	14.4	0	31	15	1.73	High	New Moon
WESTERN HEAD	2022-06-01 10:00	15.4	0	33	21	1.71	High	New Moon
WESTERN HEAD	2022-06-01 11:00	17.6	0	31	17	1.6	High	New Moon
WESTERN HEAD	2022-06-01 12:00	18.1	0	29	20	1.27	Ebb	New Moon
WESTERN HEAD	2022-06-01 13:00	18.6	0	31	21	1.09	Ebb	New Moon
WESTERN HEAD	2022-06-01 14:00	18.5	0	30	17	0.87	Ebb	New Moon
WESTERN HEAD	2022-06-01 15:00	19.7	0	31	19	0.84	Ebb	New Moon
WESTERN HEAD	2022-06-01 16:00	19.1	0	33	18	0.84	Ebb	New Moon
WESTERN HEAD	2022-06-01 17:00	18.6	0	31	18	0.94	Flood	New Moon
WESTERN HEAD	2022-06-01 18:00	18.1	0	30	17	1.21	Flood	New Moon
WESTERN HEAD	2022-06-01 19:00	16	0	31	12	1.48	High	New Moon
WESTERN HEAD	2022-06-01 20:00	11.6	0	28	7	1.77	High	New Moon
WESTERN HEAD	2022-06-01 21:00	12.2	0	27	18	1.84	High	New Moon
WESTERN HEAD	2022-06-01 22:00	10.7	0	28	18	1.88	High	New Moon
WESTERN HEAD	2022-06-01 23:00	10.1	0	29	22	1.66	High	New Moon
WESTERN HEAD	2022-06-02 0:00	8.5	0	1	5	1.36	High	New Moon
WESTERN HEAD	2022-06-02 1:00	6.7	0	34	6	1.01	Ebb	New Moon
WESTERN HEAD	2022-06-02 2:00	4	0	27	7	0.72	Low	New Moon
WESTERN HEAD	2022-06-02 3:00	3.7	0	26	8	0.55	Low	New Moon
WESTERN HEAD	2022-06-02 4:00	5	0	28	9	0.43	Low	New Moon
WESTERN HEAD	2022-06-02 5:00	4.3	0		0	0.49	Low	New Moon
WESTERN HEAD	2022-06-02 6:00	6.1	0	27	4	0.72	Low	New Moon
WESTERN HEAD	2022-06-02 7:00	10	0	34	4	1.04	Flood	New Moon
WESTERN HEAD	2022-06-02 8:00	11.1	0	13	3	1.38	High	New Moon
WESTERN HEAD	2022-06-02 9:00	11.9	0	18	5	1.61	High	New Moon
WESTERN HEAD	2022-06-02 10:00	12.3	0	12	6	1.77	High	New Moon
WESTERN HEAD	2022-06-02 11:00	12.4	0	14	8	1.63	High	New Moon
WESTERN HEAD	2022-06-02 12:00	13.6	0	17	15	1.48	High	New Moon
WESTERN HEAD	2022-06-02 13:00	12.9	0	21	12	1.22	Ebb	New Moon
WESTERN HEAD	2022-06-02 14:00	13.5	0	20	18	1.01	Ebb	New Moon
WESTERN HEAD	2022-06-02 15:00	13	0	22	11	0.94	Ebb	New Moon
WESTERN HEAD	2022-06-02 16:00	13.2	0	21	10	0.85	Ebb	New Moon
WESTERN HEAD	2022-06-02 17:00	12.5	0	21	9	0.95	Flood	New Moon
WESTERN HEAD	2022-06-02 18:00	11.9	0	20	7	1.03	Flood	New Moon
WESTERN HEAD	2022-06-02 19:00	12.1	0	21	3	1.37	High	New Moon
WESTERN HEAD	2022-06-02 20:00	8.8	0	3	2	1.55	High	New Moon
WESTERN HEAD	2022-06-02 21:00	9.8	0	1	11	1.82	High	New Moon
WESTERN HEAD	2022-06-02 22:00	9.5	0	2	11	1.86	High	New Moon
WESTERN HEAD	2022-06-02 23:00	10.2	0	36	9	1.78	High	New Moon
WESTERN HEAD	2022-06-03 0:00	8.4	0	1	5	1.54	High	New Moon
WESTERN HEAD	2022-06-03 1:00	7.8	0	31	5	1.25	Ebb	New Moon
WESTERN HEAD	2022-06-03 2:00	8.7	0	34	7	0.91	Ebb	New Moon
WESTERN HEAD	2022-06-03 3:00	9.7	0	1	7	0.71	Low	New Moon
WESTERN HEAD	2022-06-03 4:00	9.3	0	1	5	0.58	Low	New Moon

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-06-03 5:00	9.2	0	1	7	0.49	Low	New Moon
WESTERN HEAD	2022-06-03 6:00	10.1	0	2	6	0.63	Low	New Moon
WESTERN HEAD	2022-06-03 7:00	11.7	0	3	7	0.87	Flood	New Moon
WESTERN HEAD	2022-06-03 8:00	13.2	0	4	5	1.21	Flood	New Moon
WESTERN HEAD	2022-06-03 9:00	14.5	0	6	5	1.56	High	New Moon
WESTERN HEAD	2022-06-03 10:00	14.7	0	7	6	1.71	High	New Moon
WESTERN HEAD	2022-06-03 11:00	15	0	9	6	1.74	High	New Moon
WESTERN HEAD	2022-06-03 12:00	15.2	0	9	7	1.64	High	New Moon
WESTERN HEAD	2022-06-03 13:00	15.6	0	9	7	1.47	High	New Moon
WESTERN HEAD	2022-06-03 14:00	14.8	0	13	7	1.21	Ebb	New Moon
WESTERN HEAD	2022-06-03 15:00	13.9	0	17	8	1.05	Ebb	New Moon
WESTERN HEAD	2022-06-03 16:00	13.1	0	16	7	0.95	Ebb	New Moon
WESTERN HEAD	2022-06-03 17:00	12.8	0	12	6	0.91	Ebb	New Moon
WESTERN HEAD	2022-06-03 18:00	12.1	0	11	6	0.99	Flood	New Moon
WESTERN HEAD	2022-06-03 19:00	11.4	0	12	10	1.09	Flood	New Moon
WESTERN HEAD	2022-06-03 20:00	10.8	0	7	2	1.4	High	New Moon
WESTERN HEAD	2022-06-03 21:00	10	0	11	6	1.59	High	New Moon
WESTERN HEAD	2022-06-03 22:00	10	0	8	8	1.8	High	New Moon
WESTERN HEAD	2022-06-03 23:00	8.9	0	11	5	1.74	High	New Moon
WESTERN HEAD	2022-06-04 0:00	8	0	7	2	1.64	High	New Moon
WESTERN HEAD	2022-06-04 1:00	8.8	0	3	5	1.34	High	New Moon
WESTERN HEAD	2022-06-04 2:00	8.5	0	1	5	1.09	Ebb	New Moon
WESTERN HEAD	2022-06-04 3:00	9.4	0	3	5	0.84	Ebb	New Moon
WESTERN HEAD	2022-06-04 4:00	9.3	0	3	5	0.62	Low	New Moon
WESTERN HEAD	2022-06-04 5:00	9.7	0	3	6	0.53	Low	New Moon
WESTERN HEAD	2022-06-04 6:00	10.2	0	6	7	0.51	Low	New Moon
WESTERN HEAD	2022-06-04 7:00	10.9	0	7	11	0.72	Low	New Moon
WESTERN HEAD	2022-06-04 8:00	11.8	0	8	6	0.99	Flood	New Moon
WESTERN HEAD	2022-06-04 9:00	13.4	0	8	6	1.31	High	New Moon
WESTERN HEAD	2022-06-04 10:00	13.2	0	8	6	1.59	High	New Moon
WESTERN HEAD	2022-06-04 11:00	14.6	0	12	11	1.72	High	New Moon
WESTERN HEAD	2022-06-04 12:00	13.5	0	15	11	1.71	High	New Moon
WESTERN HEAD	2022-06-04 13:00	13.6	0	17	14	1.61	High	New Moon
WESTERN HEAD	2022-06-04 14:00	13.8	0	18	13	1.4	High	New Moon
WESTERN HEAD	2022-06-04 15:00	14.3	0	21	15	1.15	Ebb	New Moon
WESTERN HEAD	2022-06-04 16:00	12.4	0	18	17	1.06	Ebb	New Moon
WESTERN HEAD	2022-06-04 17:00	12.7	0	19	16	0.94	Ebb	New Moon
WESTERN HEAD	2022-06-04 18:00	12.2	0	21	14	0.91	Ebb	New Moon
WESTERN HEAD	2022-06-04 19:00	11.1	0	21	14	0.98	Flood	New Moon
WESTERN HEAD	2022-06-04 20:00	10.3	0	21	17	1.17	Flood	New Moon
WESTERN HEAD	2022-06-04 21:00	10.4	0	23	16	1.41	High	New Moon
WESTERN HEAD	2022-06-04 22:00	10.8	0	25	8	1.6	High	New Moon
WESTERN HEAD	2022-06-04 23:00	9.4	0	24	9	1.73	High	New Moon
WESTERN HEAD	2022-06-05 0:00	7.7	0	23	6	1.66	High	New Moon
WESTERN HEAD	2022-06-05 1:00	9.5	0	21	11	1.55	High	New Moon
WESTERN HEAD	2022-06-05 2:00	8.3	0	1	3	1.26	Ebb	New Moon
WESTERN HEAD	2022-06-05 3:00	8.5	0	22	5	1.04	Ebb	New Moon
WESTERN HEAD	2022-06-05 4:00	9.3	0	19	10	0.75	Low	New Moon
WESTERN HEAD	2022-06-05 5:00	10.1	0	20	10	0.68	Low	New Moon
WESTERN HEAD	2022-06-05 6:00	10.6	0	15	13	0.54	Low	New Moon
WESTERN HEAD	2022-06-05 7:00	10.8	0	18	9	0.65	Low	New Moon
WESTERN HEAD	2022-06-05 8:00	11.2	0	19	6	0.81	Flood	New Moon
WESTERN HEAD	2022-06-05 9:00	11.8	0	17	11	1.11	Flood	New Moon
WESTERN HEAD	2022-06-05 10:00	11.7	0	17	13	1.45	High	New Moon
WESTERN HEAD	2022-06-05 11:00	12.5	0	18	13	1.57	High	New Moon

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-06-05 12:00	13.9	0	17	16	1.77	High	New Moon
WESTERN HEAD	2022-06-05 13:00	13.3	0	17	13	1.6	High	New Moon
WESTERN HEAD	2022-06-05 14:00	12.5	0	19	11	1.5	High	New Moon
WESTERN HEAD	2022-06-05 15:00	12.2	0	19	15	1.31	High	New Moon
WESTERN HEAD	2022-06-05 16:00	13.7	0	19	17	1.1	Ebb	New Moon
WESTERN HEAD	2022-06-05 17:00	12.4	0	19	12	1.04	Ebb	New Moon
WESTERN HEAD	2022-06-05 18:00	10.4	0	19	17	0.9	Ebb	New Moon
WESTERN HEAD	2022-06-05 19:00	10	0	20	17	0.88	Ebb	New Moon
WESTERN HEAD	2022-06-05 20:00	10.4	0	33	4	0.98	Flood	New Moon
WESTERN HEAD	2022-06-05 21:00	7.8	0	25	7	1.2	Flood	New Moon
WESTERN HEAD	2022-06-05 22:00	7.8	0	29	7	1.41	High	New Moon
WESTERN HEAD	2022-06-05 23:00	7.5	0	23	8	1.59	High	New Moon
WESTERN HEAD	2022-06-06 0:00	6.5	0	3	4	1.69	High	New Moon
WESTERN HEAD	2022-06-06 1:00	7.3	0	26	10	1.6	High	New Moon
WESTERN HEAD	2022-06-06 2:00	7.5	0	25	12	1.48	High	New Moon
WESTERN HEAD	2022-06-06 3:00	6.3	0	28	3	1.15	Ebb	New Moon
WESTERN HEAD	2022-06-06 4:00	4.8	0	33	2	0.97	Ebb	New Moon
WESTERN HEAD	2022-06-06 5:00	5.2	0	33	3	0.72	Low	New Moon
WESTERN HEAD	2022-06-06 6:00	8.4	0.2	2	5	0.61	Low	New Moon
WESTERN HEAD	2022-06-06 7:00	10.2	0	3	4	0.57	Low	New Moon
WESTERN HEAD	2022-06-06 8:00	13	0	6	6	0.67	Low	New Moon
WESTERN HEAD	2022-06-06 9:00	13.1	0	8	11	0.82	Flood	New Moon
WESTERN HEAD	2022-06-06 10:00	13.8	0	9	11	1.19	Flood	New Moon
WESTERN HEAD	2022-06-06 11:00	12	0	14	9	1.39	High	New Moon
WESTERN HEAD	2022-06-06 12:00	10.7	0	14	10	1.64	High	New Moon
WESTERN HEAD	2022-06-06 13:00	10.6	0	17	7	1.62	High	New Moon
WESTERN HEAD	2022-06-06 14:00	11.6	0	11	5	1.61	High	New Moon
WESTERN HEAD	2022-06-06 15:00	12	0	14	5	1.42	High	New Moon
WESTERN HEAD	2022-06-06 16:00	12.3	0	14	5	1.26	Ebb	New Moon
WESTERN HEAD	2022-06-06 17:00	12.2	0	21	7	1.14	Ebb	New Moon
WESTERN HEAD	2022-06-06 18:00	12.7	0	22	7	0.94	Ebb	New Moon
WESTERN HEAD	2022-06-06 19:00	12.8	0	25	4	0.87	Ebb	New Moon
WESTERN HEAD	2022-06-06 20:00	11.3	0	29	5	0.83	Ebb	New Moon
WESTERN HEAD	2022-06-06 21:00	12.1	0	34	10	0.98	Flood	New Moon
WESTERN HEAD	2022-06-06 22:00	10.3	0	33	9	1.2	Flood	New Moon
WESTERN HEAD	2022-06-06 23:00	10.2	0	30	13	1.45	High	New Moon
WESTERN HEAD	2022-06-07 0:00	10.5	0	33	15	1.57	High	New Moon
WESTERN HEAD	2022-06-07 1:00	9.6	0	31	13	1.61	High	New Moon
WESTERN HEAD	2022-06-07 2:00	10	0	30	18	1.53	High	New Moon
WESTERN HEAD	2022-06-07 3:00	9.9	0	30	14	1.35	High	New Moon
WESTERN HEAD	2022-06-07 4:00	10.2	0	30	17	1.14	Ebb	New Moon
WESTERN HEAD	2022-06-07 5:00	10.4	0	31	18	0.88	Ebb	New Moon
WESTERN HEAD	2022-06-07 6:00	11.8	0	31	17	0.7	Low	New Moon
WESTERN HEAD	2022-06-07 7:00	15.1	0	31	17	0.59	Low	New Moon
WESTERN HEAD	2022-06-07 8:00	18.5	0	31	17	0.58	Low	New Moon
WESTERN HEAD	2022-06-07 9:00	21.2	0	31	16	0.64	Low	New Moon
WESTERN HEAD	2022-06-07 10:00	22.9	0	31	17	0.96	Flood	New Moon
WESTERN HEAD	2022-06-07 11:00	18.7	0	27	10	1.18	Flood	New Moon
WESTERN HEAD	2022-06-07 12:00	16.4	0	13	16	1.49	High	First Quarter
WESTERN HEAD	2022-06-07 13:00	16.2	0	14	16	1.61	High	First Quarter
WESTERN HEAD	2022-06-07 14:00	16.8	0	13	15	1.65	High	First Quarter
WESTERN HEAD	2022-06-07 15:00	15.9	0	13	15	1.59	High	First Quarter
WESTERN HEAD	2022-06-07 16:00	15.9	0	14	13	1.4	High	First Quarter
WESTERN HEAD	2022-06-07 17:00	15.7	0	20	13	1.25	Ebb	First Quarter
WESTERN HEAD	2022-06-07 18:00	15.9	0	23	5	1.01	Ebb	First Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-06-07 19:00	19.5	0	25	17	0.89	Ebb	First Quarter
WESTERN HEAD	2022-06-07 20:00	16	0	25	13	0.75	Low	First Quarter
WESTERN HEAD	2022-06-07 21:00	14.4	0	25	15	0.82	Flood	First Quarter
WESTERN HEAD	2022-06-07 22:00	13.1	0	22	10	0.87	Flood	First Quarter
WESTERN HEAD	2022-06-07 23:00	11.4	0	25	10	1.17	Flood	First Quarter
WESTERN HEAD	2022-06-08 0:00	11.4	0	22	9	1.32	High	First Quarter
WESTERN HEAD	2022-06-08 1:00	10.4	0	23	5	1.51	High	First Quarter
WESTERN HEAD	2022-06-08 2:00	11	0	19	9	1.54	High	First Quarter
WESTERN HEAD	2022-06-08 3:00	11.1	0	22	10	1.44	High	First Quarter
WESTERN HEAD	2022-06-08 4:00	11	0	21	15	1.3	High	First Quarter
WESTERN HEAD	2022-06-08 5:00	10.9	0	21	13	1.09	Ebb	First Quarter
WESTERN HEAD	2022-06-08 6:00	11.8	0	21	11	0.87	Ebb	First Quarter
WESTERN HEAD	2022-06-08 7:00	12.8	0	22	8	0.7	Low	First Quarter
WESTERN HEAD	2022-06-08 8:00	13.3	0	19	16	0.56	Low	First Quarter
WESTERN HEAD	2022-06-08 9:00	13.2	0	18	19	0.54	Low	First Quarter
WESTERN HEAD	2022-06-08 10:00	12.8	0	21	11	0.68	Low	First Quarter
WESTERN HEAD	2022-06-08 11:00	14.3	0	19	17	0.94	Flood	First Quarter
WESTERN HEAD	2022-06-08 12:00	13.4	0	18	5	1.29	Flood	First Quarter
WESTERN HEAD	2022-06-08 13:00	14.4	0	24	11	1.46	High	First Quarter
WESTERN HEAD	2022-06-08 14:00	13.3	0	19	9	1.7	High	First Quarter
WESTERN HEAD	2022-06-08 15:00	14.4	0	20	9	1.64	High	First Quarter
WESTERN HEAD	2022-06-08 16:00	13.7	0	18	33	1.61	High	First Quarter
WESTERN HEAD	2022-06-08 17:00	13.1	0	17	32	1.41	High	First Quarter
WESTERN HEAD	2022-06-08 18:00	13	0	17	32	1.21	Ebb	First Quarter
WESTERN HEAD	2022-06-08 19:00	12.6	0	17	30	1.03	Ebb	First Quarter
WESTERN HEAD	2022-06-08 20:00	12.5	0	16	26	0.84	Ebb	First Quarter
WESTERN HEAD	2022-06-08 21:00	12.1	0.3	16	21	0.79	Low	First Quarter
WESTERN HEAD	2022-06-08 22:00	12.7	4.3	20	13	0.72	Low	First Quarter
WESTERN HEAD	2022-06-08 23:00	12.1	0.3	23	18	0.94	Flood	First Quarter
WESTERN HEAD	2022-06-09 0:00	12	0.3	22	21	1.18	Flood	First Quarter
WESTERN HEAD	2022-06-09 1:00	11.1	0.2	22	17	1.44	High	First Quarter
WESTERN HEAD	2022-06-09 2:00	10.8	0	21	9	1.6	High	First Quarter
WESTERN HEAD	2022-06-09 3:00	10.5	0	20	14	1.57	High	First Quarter
WESTERN HEAD	2022-06-09 4:00	10.8	0	23	5	1.56	High	First Quarter
WESTERN HEAD	2022-06-09 5:00	11.1	0	24	6	1.39	High	First Quarter
WESTERN HEAD	2022-06-09 6:00	11.1	0	20	3	1.15	Ebb	First Quarter
WESTERN HEAD	2022-06-09 7:00	13.3	0	0	1	0.95	Ebb	First Quarter
WESTERN HEAD	2022-06-09 8:00	11	0	18	4	0.73	Low	First Quarter
WESTERN HEAD	2022-06-09 9:00	11.7	0	21	5	0.66	Low	First Quarter
WESTERN HEAD	2022-06-09 10:00	13	0	22	4	0.69	Low	First Quarter
WESTERN HEAD	2022-06-09 11:00	11.9	0	18	5	0.75	Low	First Quarter
WESTERN HEAD	2022-06-09 12:00	12.1	0	18	7	1.11	Flood	First Quarter
WESTERN HEAD	2022-06-09 13:00	11.8	0	18	3	1.35	High	First Quarter
WESTERN HEAD	2022-06-09 14:00	12.1	0.6	9	6	1.65	High	First Quarter
WESTERN HEAD	2022-06-09 15:00	11.7	8.8	3	7	1.78	High	First Quarter
WESTERN HEAD	2022-06-09 16:00	13.4	9.1	18	17	1.84	High	First Quarter
WESTERN HEAD	2022-06-09 17:00	13.6	6.9	18	40	1.7	High	First Quarter
WESTERN HEAD	2022-06-09 18:00	13.4	6.4	18	48	1.58	High	First Quarter
WESTERN HEAD	2022-06-09 19:00	13.3	0	18	49	1.28	Ebb	First Quarter
WESTERN HEAD	2022-06-09 20:00	12.5	0.3	20	33	1.08	Ebb	First Quarter
WESTERN HEAD	2022-06-09 21:00	11.9	0.8	23	21	0.83	Ebb	First Quarter
WESTERN HEAD	2022-06-09 22:00	13	0	23	27	0.75	Low	First Quarter
WESTERN HEAD	2022-06-09 23:00	12.2	0.2	22	25	0.73	Low	First Quarter
WESTERN HEAD	2022-06-10 0:00	11	0	20	23	0.93	Flood	First Quarter
WESTERN HEAD	2022-06-10 1:00	10.6	0	19	23	1.21	Flood	First Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-06-10 2:00	10.1	0	20	24	1.46	High	First Quarter
WESTERN HEAD	2022-06-10 3:00	10	0	22	23	1.67	High	First Quarter
WESTERN HEAD	2022-06-10 4:00	9.6	0	22	11	1.68	High	First Quarter
WESTERN HEAD	2022-06-10 5:00	9.2	0	22	10	1.58	High	First Quarter
WESTERN HEAD	2022-06-10 6:00	9.8	0	22	10	1.46	High	First Quarter
WESTERN HEAD	2022-06-10 7:00	10.4	0	22	9	1.15	Ebb	First Quarter
WESTERN HEAD	2022-06-10 8:00	11.5	0	21	11	0.96	Ebb	First Quarter
WESTERN HEAD	2022-06-10 9:00	12	0	19	12	0.69	Low	First Quarter
WESTERN HEAD	2022-06-10 10:00	12	0	18	24	0.6	Low	First Quarter
WESTERN HEAD	2022-06-10 11:00	12.9	0	23	12	0.55	Low	First Quarter
WESTERN HEAD	2022-06-10 12:00	13.6	0	19	19	0.82	Flood	First Quarter
WESTERN HEAD	2022-06-10 13:00	14.3	0	19	20	1.1	Flood	First Quarter
WESTERN HEAD	2022-06-10 14:00	14.7	0	20	25	1.47	High	First Quarter
WESTERN HEAD	2022-06-10 15:00	14.1	0	20	30	1.72	High	First Quarter
WESTERN HEAD	2022-06-10 16:00	14.1	0	21	26	1.87	High	First Quarter
WESTERN HEAD	2022-06-10 17:00	13.5	0	20	26	1.91	High	First Quarter
WESTERN HEAD	2022-06-10 18:00	12.8	0	21	23	1.73	High	First Quarter
WESTERN HEAD	2022-06-10 19:00	11.4	0	21	18	1.51	High	First Quarter
WESTERN HEAD	2022-06-10 20:00	9.5	0	23	15	1.13	Ebb	First Quarter
WESTERN HEAD	2022-06-10 21:00	9.6	0	24	10	0.89	Ebb	First Quarter
WESTERN HEAD	2022-06-10 22:00	9.5	0	23	10	0.58	Low	First Quarter
WESTERN HEAD	2022-06-10 23:00	8.7	0	22	11	0.54	Low	First Quarter
WESTERN HEAD	2022-06-11 0:00	8.6	0	21	12	0.52	Low	First Quarter
WESTERN HEAD	2022-06-11 1:00	8.2	0	21	14	0.76	Low	First Quarter
WESTERN HEAD	2022-06-11 2:00	7.9	0	21	10	1.11	Flood	First Quarter
WESTERN HEAD	2022-06-11 3:00	9.1	0	23	14	1.42	High	First Quarter
WESTERN HEAD	2022-06-11 4:00	8.9	0	22	11	1.63	High	First Quarter
WESTERN HEAD	2022-06-11 5:00	8.3	0	22	11	1.64	High	First Quarter
WESTERN HEAD	2022-06-11 6:00	8.2	0	22	10	1.61	High	First Quarter
WESTERN HEAD	2022-06-11 7:00	9.4	0	22	9	1.4	High	First Quarter
WESTERN HEAD	2022-06-11 8:00	11.2	0	22	8	1.2	Ebb	First Quarter
WESTERN HEAD	2022-06-11 9:00	11.5	0	21	8	0.83	Ebb	First Quarter
WESTERN HEAD	2022-06-11 10:00	13.2	0	22	12	0.65	Low	First Quarter
WESTERN HEAD	2022-06-11 11:00	13.1	0	22	10	0.46	Low	First Quarter
WESTERN HEAD	2022-06-11 12:00	12.9	0	24	10	0.54	Low	First Quarter
WESTERN HEAD	2022-06-11 13:00	13.6	0	20	18	0.74	Low	First Quarter
WESTERN HEAD	2022-06-11 14:00	14.1	0	20	24	1.07	Flood	First Quarter
WESTERN HEAD	2022-06-11 15:00	13.5	0	19	24	1.46	High	First Quarter
WESTERN HEAD	2022-06-11 16:00	13.1	0	20	25	1.72	High	First Quarter
WESTERN HEAD	2022-06-11 17:00	12.9	0	22	16	1.91	High	First Quarter
WESTERN HEAD	2022-06-11 18:00	11.6	0	23	13	1.82	High	First Quarter
WESTERN HEAD	2022-06-11 19:00	12.1	0	24	10	1.65	High	First Quarter
WESTERN HEAD	2022-06-11 20:00	9.7	0	23	10	1.34	High	First Quarter
WESTERN HEAD	2022-06-11 21:00	9.1	0	25	13	1.01	Ebb	First Quarter
WESTERN HEAD	2022-06-11 22:00	8.5	0	23	12	0.68	Low	First Quarter
WESTERN HEAD	2022-06-11 23:00	8.3	0	24	12	0.41	Low	First Quarter
WESTERN HEAD	2022-06-12 0:00	8.1	0	25	7	0.24	Low	First Quarter
WESTERN HEAD	2022-06-12 1:00	7.7	0	24	11	0.37	Low	First Quarter
WESTERN HEAD	2022-06-12 2:00	7.5	0	22	9	0.66	Low	First Quarter
WESTERN HEAD	2022-06-12 3:00	7.8	0	26	9	1.05	Flood	First Quarter
WESTERN HEAD	2022-06-12 4:00	7.6	0	25	3	1.42	High	First Quarter
WESTERN HEAD	2022-06-12 5:00	7.4	0	25	9	1.66	High	First Quarter
WESTERN HEAD	2022-06-12 6:00	9.1	0	23	10	1.73	High	First Quarter
WESTERN HEAD	2022-06-12 7:00	9.3	0	21	9	1.67	High	First Quarter
WESTERN HEAD	2022-06-12 8:00	11	0	22	10	1.41	High	First Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-06-12 9:00	14.1	0	22	8	1.14	Ebb	First Quarter
WESTERN HEAD	2022-06-12 10:00	14.5	0	24	8	0.86	Ebb	First Quarter
WESTERN HEAD	2022-06-12 11:00	15	0	20	20	0.6	Low	First Quarter
WESTERN HEAD	2022-06-12 12:00	13.1	0	20	18	0.54	Low	First Quarter
WESTERN HEAD	2022-06-12 13:00	13	0	21	21	0.5	Low	First Quarter
WESTERN HEAD	2022-06-12 14:00	13.7	0	20	22	0.77	Low	First Quarter
WESTERN HEAD	2022-06-12 15:00	14.6	0	20	21	1.15	Flood	First Quarter
WESTERN HEAD	2022-06-12 16:00	13.2	0	20	22	1.57	High	First Quarter
WESTERN HEAD	2022-06-12 17:00	10.9	0	20	28	1.91	High	First Quarter
WESTERN HEAD	2022-06-12 18:00	10.6	0	22	13	1.99	High	First Quarter
WESTERN HEAD	2022-06-12 19:00	10.2	0	25	12	1.94	High	First Quarter
WESTERN HEAD	2022-06-12 20:00	9.1	0	23	13	1.64	High	First Quarter
WESTERN HEAD	2022-06-12 21:00	9.2	0	22	12	1.34	High	First Quarter
WESTERN HEAD	2022-06-12 22:00	9.9	0	23	8	0.85	Ebb	First Quarter
WESTERN HEAD	2022-06-12 23:00	10.3	0	22	8	0.53	Low	First Quarter
WESTERN HEAD	2022-06-13 0:00	10.7	0	23	10	0.18	Low	First Quarter
WESTERN HEAD	2022-06-13 1:00	9.5	0	23	12	0.14	Low	First Quarter
WESTERN HEAD	2022-06-13 2:00	9.9	0.3	23	11	0.25	Low	First Quarter
WESTERN HEAD	2022-06-13 3:00	10.4	0	24	3	0.62	Low	First Quarter
WESTERN HEAD	2022-06-13 4:00	10	0	21	6	1	Flood	First Quarter
WESTERN HEAD	2022-06-13 5:00	11.7	0.2	25	5	1.46	High	First Quarter
WESTERN HEAD	2022-06-13 6:00	12.9	0		0	1.65	High	First Quarter
WESTERN HEAD	2022-06-13 7:00	11.9	0	4	4	1.8	High	First Quarter
WESTERN HEAD	2022-06-13 8:00	13	0	4	3	1.64	High	First Quarter
WESTERN HEAD	2022-06-13 9:00	12.4	0	1	8	1.39	High	First Quarter
WESTERN HEAD	2022-06-13 10:00	13.2	0	1	8	1.07	Ebb	First Quarter
WESTERN HEAD	2022-06-13 11:00	15	0	2	8	0.77	Low	First Quarter
WESTERN HEAD	2022-06-13 12:00	12.8	0	2	8	0.55	Low	First Quarter
WESTERN HEAD	2022-06-13 13:00	13	0	1	8	0.4	Low	First Quarter
WESTERN HEAD	2022-06-13 14:00	12.7	0	2	8	0.49	Low	First Quarter
WESTERN HEAD	2022-06-13 15:00	11.6	0	2	8	0.74	Low	First Quarter
WESTERN HEAD	2022-06-13 16:00	10.8	1.6	5	9	1.24	Flood	First Quarter
WESTERN HEAD	2022-06-13 17:00	10.8	0.3	4	9	1.64	High	First Quarter
WESTERN HEAD	2022-06-13 18:00	11	4.4	5	14	1.94	High	First Quarter
WESTERN HEAD	2022-06-13 19:00	10.9	1.5	4	10	2.1	High	First Quarter
WESTERN HEAD	2022-06-13 20:00	10.4	2.1	5	13	1.94	High	First Quarter
WESTERN HEAD	2022-06-13 21:00	9.9	0.9	36	9	1.71	High	First Quarter
WESTERN HEAD	2022-06-13 22:00	10.4	0.3	2	8	1.2	Ebb	First Quarter
WESTERN HEAD	2022-06-13 23:00	10.8	0	2	7	0.84	Ebb	First Quarter
WESTERN HEAD	2022-06-14 0:00	12.3	0	1	8	0.45	Low	First Quarter
WESTERN HEAD	2022-06-14 1:00	12.9	0	1	5	0.25	Low	First Quarter
WESTERN HEAD	2022-06-14 2:00	13.4	0	36	6	0.18	Low	First Quarter
WESTERN HEAD	2022-06-14 3:00	14.1	0.2	34	6	0.28	Low	First Quarter
WESTERN HEAD	2022-06-14 4:00	14.2	0	31	8	0.72	Low	First Quarter
WESTERN HEAD	2022-06-14 5:00	14.4	0	30	7	1.17	Flood	First Quarter
WESTERN HEAD	2022-06-14 6:00	14.7	0	29	11	1.64	High	First Quarter
WESTERN HEAD	2022-06-14 7:00	15.3	0.4	29	6	1.88	High	First Quarter
WESTERN HEAD	2022-06-14 8:00	14.6	0	22	3	1.96	High	First Quarter
WESTERN HEAD	2022-06-14 9:00	14.2	0	23	7	1.71	High	Full Moon
WESTERN HEAD	2022-06-14 10:00	13.5	0	23	6	1.59	High	Full Moon
WESTERN HEAD	2022-06-14 11:00	13.1	0	23	12	1.14	Ebb	Full Moon
WESTERN HEAD	2022-06-14 12:00	15.2	0.3	22	2	0.9	Ebb	Full Moon
WESTERN HEAD	2022-06-14 13:00	13.3	0	21	11	0.58	Low	Full Moon
WESTERN HEAD	2022-06-14 14:00	13.5	0	24	8	0.55	Low	Full Moon
WESTERN HEAD	2022-06-14 15:00	14.2	0	20	16	0.6	Low	Full Moon

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-06-14 16:00	13.8	5.1	1	9	0.92	Flood	Full Moon
WESTERN HEAD	2022-06-14 17:00	14.4	4.1	36	7	1.39	High	Full Moon
WESTERN HEAD	2022-06-14 18:00	15.4	0.5	34	8	1.83	High	Full Moon
WESTERN HEAD	2022-06-14 19:00	15	0.8	34	7	2.15	High	Full Moon
WESTERN HEAD	2022-06-14 20:00	14.5	0	35	9	2.22	High	Full Moon
WESTERN HEAD	2022-06-14 21:00	14.1	0	34	12	2.02	High	Full Moon
WESTERN HEAD	2022-06-14 22:00	13.1	0	34	12	1.71	High	Full Moon
WESTERN HEAD	2022-06-14 23:00	12.8	0	33	15	1.32	High	Full Moon
WESTERN HEAD	2022-06-15 0:00	13.1	0	34	17	0.87	Ebb	Full Moon
WESTERN HEAD	2022-06-15 1:00	12.9	0	34	14	0.54	Low	Full Moon
WESTERN HEAD	2022-06-15 2:00	13.1	0	34	16	0.2	Low	Full Moon
WESTERN HEAD	2022-06-15 3:00	13.4	0	35	16	0.17	Low	Full Moon
WESTERN HEAD	2022-06-15 4:00	13.6	0	35	18	0.35	Low	Full Moon
WESTERN HEAD	2022-06-15 5:00	13.3	0	34	15	0.81	Flood	Full Moon
WESTERN HEAD	2022-06-15 6:00	13.8	0	34	17	1.32	High	Full Moon
WESTERN HEAD	2022-06-15 7:00	15	0	35	18	1.71	High	Full Moon
WESTERN HEAD	2022-06-15 8:00	16	0	35	18	2.02	High	Full Moon
WESTERN HEAD	2022-06-15 9:00	17.2	0	1	10	1.99	High	Full Moon
WESTERN HEAD	2022-06-15 10:00	16.3	0	5	13	1.89	High	Full Moon
WESTERN HEAD	2022-06-15 11:00	15.9	0	6	16	1.5	High	Full Moon
WESTERN HEAD	2022-06-15 12:00	17.7	0	6	12	1.18	Ebb	Full Moon
WESTERN HEAD	2022-06-15 13:00	16.1	0	7	16	0.86	Ebb	Full Moon
WESTERN HEAD	2022-06-15 14:00	17.1	0	1	7	0.72	Low	Full Moon
WESTERN HEAD	2022-06-15 15:00	16.8	0	7	10	0.5	Low	Full Moon
WESTERN HEAD	2022-06-15 16:00	16	0	7	10	0.61	Low	Full Moon
WESTERN HEAD	2022-06-15 17:00	15.4	0	2	6	0.89	Flood	Full Moon
WESTERN HEAD	2022-06-15 18:00	15.7	0	4	3	1.38	High	Full Moon
WESTERN HEAD	2022-06-15 19:00	14.5	0	36	4	1.8	High	Full Moon
WESTERN HEAD	2022-06-15 20:00	10	0	36	3	2.05	High	Full Moon
WESTERN HEAD	2022-06-15 21:00	8.3	0	34	5	2.09	High	Full Moon
WESTERN HEAD	2022-06-15 22:00	8.8	0	34	7	1.89	High	Full Moon
WESTERN HEAD	2022-06-15 23:00	8.7	0	31	10	1.58	High	Full Moon
WESTERN HEAD	2022-06-16 0:00	9.6	0	31	13	1.08	Ebb	Full Moon
WESTERN HEAD	2022-06-16 1:00	10	0	31	14	0.67	Low	Full Moon
WESTERN HEAD	2022-06-16 2:00	10	0	31	12	0.27	Low	Full Moon
WESTERN HEAD	2022-06-16 3:00	9.3	0	31	9	0.07	Low	Full Moon
WESTERN HEAD	2022-06-16 4:00	7.4	0	30	9	0.04	Low	Full Moon
WESTERN HEAD	2022-06-16 5:00	10.5	0	30	15	0.22	Low	Full Moon
WESTERN HEAD	2022-06-16 6:00	11.6	0	26	8	0.73	Low	Full Moon
WESTERN HEAD	2022-06-16 7:00	13.6	0	24	8	1.18	Flood	Full Moon
WESTERN HEAD	2022-06-16 8:00	15.1	0	22	9	1.68	High	Full Moon
WESTERN HEAD	2022-06-16 9:00	16.2	0	22	9	1.93	High	Full Moon
WESTERN HEAD	2022-06-16 10:00	16	0	19	7	1.9	High	Full Moon
WESTERN HEAD	2022-06-16 11:00	16.1	0	20	20	1.73	High	Full Moon
WESTERN HEAD	2022-06-16 12:00	16.6	0	20	18	1.4	High	Full Moon
WESTERN HEAD	2022-06-16 13:00	16.2	0	19	23	1.09	Ebb	Full Moon
WESTERN HEAD	2022-06-16 14:00	16.2	0	19	22	0.8	Low	Full Moon
WESTERN HEAD	2022-06-16 15:00	15.8	0	20	28	0.62	Low	Full Moon
WESTERN HEAD	2022-06-16 16:00	15	0	20	28	0.45	Low	Full Moon
WESTERN HEAD	2022-06-16 17:00	14.6	0	20	23	0.63	Low	Full Moon
WESTERN HEAD	2022-06-16 18:00	14.1	0	20	22	0.85	Flood	Full Moon
WESTERN HEAD	2022-06-16 19:00	12.5	0	22	15	1.39	High	Full Moon
WESTERN HEAD	2022-06-16 20:00	10.8	0	21	18	1.76	High	Full Moon
WESTERN HEAD	2022-06-16 21:00	10.2	0	22	8	2.07	High	Full Moon
WESTERN HEAD	2022-06-16 22:00	10.5	0	23	10	2.05	High	Full Moon

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-06-16 23:00	10.7	0	21	10	1.86	High	Full Moon
WESTERN HEAD	2022-06-17 0:00	10.7	0	21	20	1.47	High	Full Moon
WESTERN HEAD	2022-06-17 1:00	10.8	0	21	15	1.04	Ebb	Full Moon
WESTERN HEAD	2022-06-17 2:00	11.2	0	21	18	0.75	Low	Full Moon
WESTERN HEAD	2022-06-17 3:00	11.1	0	22	16	0.33	Low	Full Moon
WESTERN HEAD	2022-06-17 4:00	11.3	0	20	17	0.18	Low	Full Moon
WESTERN HEAD	2022-06-17 5:00	10.9	0	22	15	0.07	Low	Full Moon
WESTERN HEAD	2022-06-17 6:00	11.1	0	21	15	0.32	Low	Full Moon
WESTERN HEAD	2022-06-17 7:00	11.5	0	22	17	0.83	Flood	Full Moon
WESTERN HEAD	2022-06-17 8:00	11.7	0	22	18	1.3	High	Full Moon
WESTERN HEAD	2022-06-17 9:00	12.8	0	22	21	1.79	High	Full Moon
WESTERN HEAD	2022-06-17 10:00	13.1	0	21	11	1.92	High	Full Moon
WESTERN HEAD	2022-06-17 11:00	12.9	0	22	21	1.98	High	Full Moon
WESTERN HEAD	2022-06-17 12:00	12.1	0	21	14	1.74	High	Full Moon
WESTERN HEAD	2022-06-17 13:00	11.9	0.9	20	28	1.46	High	Full Moon
WESTERN HEAD	2022-06-17 14:00	12.1	2.3	20	26	1.15	Ebb	Full Moon
WESTERN HEAD	2022-06-17 15:00	12	1	19	24	0.94	Ebb	Full Moon
WESTERN HEAD	2022-06-17 16:00	11.8	0.9	21	16	0.74	Low	Full Moon
WESTERN HEAD	2022-06-17 17:00	11.5	0.5	20	17	0.62	Low	Full Moon
WESTERN HEAD	2022-06-17 18:00	11.8	0.7	22	17	0.72	Low	Full Moon
WESTERN HEAD	2022-06-17 19:00	12.1	0.8	22	22	0.97	Flood	Full Moon
WESTERN HEAD	2022-06-17 20:00	11.7	0.5	21	19	1.54	High	Full Moon
WESTERN HEAD	2022-06-17 21:00	11.4	0	21	22	1.89	High	Full Moon
WESTERN HEAD	2022-06-17 22:00	10.9	0.2	20	25	2.16	High	Full Moon
WESTERN HEAD	2022-06-17 23:00	12.1	11	22	15	2.06	High	Full Moon
WESTERN HEAD	2022-06-18 0:00	11.2	3.7	18	13	1.93	High	Full Moon
WESTERN HEAD	2022-06-18 1:00	11.8	6.1	22	12	1.57	High	Full Moon
WESTERN HEAD	2022-06-18 2:00	11.3	0	24	15	1.2	Ebb	Full Moon
WESTERN HEAD	2022-06-18 3:00	10.6	0	22	9	0.83	Ebb	Full Moon
WESTERN HEAD	2022-06-18 4:00	9.8	0	22	13	0.49	Low	Full Moon
WESTERN HEAD	2022-06-18 5:00	9.6	0	20	19	0.32	Low	Full Moon
WESTERN HEAD	2022-06-18 6:00	10.2	0	23	16	0.31	Low	Full Moon
WESTERN HEAD	2022-06-18 7:00	10	0	21	16	0.48	Low	Full Moon
WESTERN HEAD	2022-06-18 8:00	10.9	0	20	16	0.99	Flood	Full Moon
WESTERN HEAD	2022-06-18 9:00	10.6	0	20	17	1.51	High	Full Moon
WESTERN HEAD	2022-06-18 10:00	11.2	0	18	18	1.87	High	Full Moon
WESTERN HEAD	2022-06-18 11:00	12.3	0	21	11	2.06	High	Full Moon
WESTERN HEAD	2022-06-18 12:00	12.5	0	19	7	1.95	High	Full Moon
WESTERN HEAD	2022-06-18 13:00	14.4	0	20	12	1.8	High	Full Moon
WESTERN HEAD	2022-06-18 14:00	12.6	0	21	22	1.5	High	Full Moon
WESTERN HEAD	2022-06-18 15:00	12.2	0	20	26	1.33	High	Full Moon
WESTERN HEAD	2022-06-18 16:00	12.1	0	22	15	1.01	Ebb	Full Moon
WESTERN HEAD	2022-06-18 17:00	12.5	0	15	15	0.87	Ebb	Full Moon
WESTERN HEAD	2022-06-18 18:00	13.4	0	25	15	0.69	Low	Full Moon
WESTERN HEAD	2022-06-18 19:00	10.9	0	20	12	0.81	Flood	Full Moon
WESTERN HEAD	2022-06-18 20:00	9.8	0	21	9	1.12	Flood	Full Moon
WESTERN HEAD	2022-06-18 21:00	9.4	0	22	9	1.54	High	Full Moon
WESTERN HEAD	2022-06-18 22:00	8.5	0	24	9	1.88	High	Full Moon
WESTERN HEAD	2022-06-18 23:00	9	0	25	7	2.13	High	Full Moon
WESTERN HEAD	2022-06-19 0:00	9.1	0	24	12	2.05	High	Full Moon
WESTERN HEAD	2022-06-19 1:00	8.2	0	25	10	1.86	High	Full Moon
WESTERN HEAD	2022-06-19 2:00	8.6	0	25	12	1.52	High	Full Moon
WESTERN HEAD	2022-06-19 3:00	8.5	0	25	11	1.23	Ebb	Full Moon
WESTERN HEAD	2022-06-19 4:00	7.2	0	24	8	0.87	Ebb	Full Moon
WESTERN HEAD	2022-06-19 5:00	7.8	0	21	4	0.62	Low	Full Moon

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-06-19 6:00	8.9	0	21	6	0.33	Low	Full Moon
WESTERN HEAD	2022-06-19 7:00	9.7	0	20	10	0.39	Low	Full Moon
WESTERN HEAD	2022-06-19 8:00	11.1	0	18	11	0.6	Low	Full Moon
WESTERN HEAD	2022-06-19 9:00	11.3	0	18	10	1.09	Flood	Full Moon
WESTERN HEAD	2022-06-19 10:00	13	0	20	20	1.51	High	Full Moon
WESTERN HEAD	2022-06-19 11:00	13.1	0	18	25	1.82	High	Full Moon
WESTERN HEAD	2022-06-19 12:00	13.6	0	20	19	1.95	High	Full Moon
WESTERN HEAD	2022-06-19 13:00	14.1	0	19	24	1.85	High	Full Moon
WESTERN HEAD	2022-06-19 14:00	13.7	0	18	22	1.72	High	Full Moon
WESTERN HEAD	2022-06-19 15:00	13.3	0	17	25	1.43	High	Full Moon
WESTERN HEAD	2022-06-19 16:00	13.2	0	17	25	1.21	Ebb	Full Moon
WESTERN HEAD	2022-06-19 17:00	12.5	0	18	25	1.03	Ebb	Full Moon
WESTERN HEAD	2022-06-19 18:00	11.2	0	19	17	0.76	Low	Full Moon
WESTERN HEAD	2022-06-19 19:00	10.4	0	19	19	0.72	Low	Full Moon
WESTERN HEAD	2022-06-19 20:00	9.8	0	21	14	0.7	Low	Full Moon
WESTERN HEAD	2022-06-19 21:00	9.1	0	23	15	1.06	Flood	Full Moon
WESTERN HEAD	2022-06-19 22:00	8.5	0	22	10	1.45	High	Full Moon
WESTERN HEAD	2022-06-19 23:00	8.6	0	24	6	1.8	High	Full Moon
WESTERN HEAD	2022-06-20 0:00	8.5	0	20	5	1.94	High	Full Moon
WESTERN HEAD	2022-06-20 1:00	8.5	0	20	5	1.86	High	Full Moon
WESTERN HEAD	2022-06-20 2:00	8.5	0	22	6	1.66	High	Full Moon
WESTERN HEAD	2022-06-20 3:00	8.7	0	22	13	1.4	High	Full Moon
WESTERN HEAD	2022-06-20 4:00	8.5	0	22	11	1.16	Ebb	Full Moon
WESTERN HEAD	2022-06-20 5:00	8.4	0	21	11	0.84	Ebb	Full Moon
WESTERN HEAD	2022-06-20 6:00	9.2	0	21	9	0.62	Low	Full Moon
WESTERN HEAD	2022-06-20 7:00	9.7	0	20	13	0.42	Low	Full Moon
WESTERN HEAD	2022-06-20 8:00	10.2	0	21	11	0.48	Low	Full Moon
WESTERN HEAD	2022-06-20 9:00	11.2	0	20	14	0.66	Low	Full Moon
WESTERN HEAD	2022-06-20 10:00	12	0	18	16	1.11	Flood	Full Moon
WESTERN HEAD	2022-06-20 11:00	11.9	0	19	19	1.48	High	Full Moon
WESTERN HEAD	2022-06-20 12:00	13.1	0	18	20	1.85	High	Full Moon
WESTERN HEAD	2022-06-20 13:00	12.1	0	18	20	1.89	High	Full Moon
WESTERN HEAD	2022-06-20 14:00	12	0	20	15	1.84	High	Full Moon
WESTERN HEAD	2022-06-20 15:00	12	0	20	13	1.62	High	Full Moon
WESTERN HEAD	2022-06-20 16:00	10.6	0	16	7	1.43	High	Full Moon
WESTERN HEAD	2022-06-20 17:00	10.7	0	17	14	1.22	Ebb	Full Moon
WESTERN HEAD	2022-06-20 18:00	10.5	0	20	6	0.95	Ebb	Full Moon
WESTERN HEAD	2022-06-20 19:00	9.9	0	18	7	0.78	Low	Full Moon
WESTERN HEAD	2022-06-20 20:00	10.1	0	0	0	0.59	Low	Full Moon
WESTERN HEAD	2022-06-20 21:00	9.7	0	7	4	0.71	Low	Full Moon
WESTERN HEAD	2022-06-20 22:00	9.8	0	10	4	0.95	Flood	Full Moon
WESTERN HEAD	2022-06-20 23:00	9.8	0	3	2	1.29	Flood	Full Moon
WESTERN HEAD	2022-06-21 0:00	10	0	35	3	1.58	High	Last Quarter
WESTERN HEAD	2022-06-21 1:00	10	0	33	4	1.74	High	Last Quarter
WESTERN HEAD	2022-06-21 2:00	10.3	0	35	2	1.69	High	Last Quarter
WESTERN HEAD	2022-06-21 3:00	10.3	0	35	1	1.49	High	Last Quarter
WESTERN HEAD	2022-06-21 4:00	10.5	0	0	0	1.3	High	Last Quarter
WESTERN HEAD	2022-06-21 5:00	11	0	34	3	0.98	Ebb	Last Quarter
WESTERN HEAD	2022-06-21 6:00	11.6	0	34	6	0.77	Low	Last Quarter
WESTERN HEAD	2022-06-21 7:00	12.6	0	35	8	0.54	Low	Last Quarter
WESTERN HEAD	2022-06-21 8:00	13.8	0	36	7	0.47	Low	Last Quarter
WESTERN HEAD	2022-06-21 9:00	15.5	0	6	4	0.42	Low	Last Quarter
WESTERN HEAD	2022-06-21 10:00	13.8	0	9	3	0.71	Low	Last Quarter
WESTERN HEAD	2022-06-21 11:00	14.3	0	9	4	1.03	Flood	Last Quarter
WESTERN HEAD	2022-06-21 12:00	15.9	0	10	7	1.5	High	Last Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-06-21 13:00	14.8	0	11	7	1.65	High	Last Quarter
WESTERN HEAD	2022-06-21 14:00	15	0	13	7	1.88	High	Last Quarter
WESTERN HEAD	2022-06-21 15:00	16.1	0	13	9	1.69	High	Last Quarter
WESTERN HEAD	2022-06-21 16:00	14.7	0	17	7	1.63	High	Last Quarter
WESTERN HEAD	2022-06-21 17:00	14.4	0	18	7	1.33	High	Last Quarter
WESTERN HEAD	2022-06-21 18:00	13.3	0	16	4	1.1	Ebb	Last Quarter
WESTERN HEAD	2022-06-21 19:00	12.9	0	14	3	0.88	Ebb	Last Quarter
WESTERN HEAD	2022-06-21 20:00	9.4	0	0	0	0.67	Low	Last Quarter
WESTERN HEAD	2022-06-21 21:00	8.9	0	24	3	0.6	Low	Last Quarter
WESTERN HEAD	2022-06-21 22:00	7.4	0	25	5	0.52	Low	Last Quarter
WESTERN HEAD	2022-06-21 23:00	8.6	0	24	5	0.89	Flood	Last Quarter
WESTERN HEAD	2022-06-22 0:00	7.1	0	26	4	1.1	Flood	Last Quarter
WESTERN HEAD	2022-06-22 1:00	8.2	0	35	6	1.51	High	Last Quarter
WESTERN HEAD	2022-06-22 2:00	9.5	0	33	3	1.57	High	Last Quarter
WESTERN HEAD	2022-06-22 3:00	9.9	0	36	5	1.56	High	Last Quarter
WESTERN HEAD	2022-06-22 4:00	10.8	0	5	7	1.39	High	Last Quarter
WESTERN HEAD	2022-06-22 5:00	10.8	0	36	6	1.18	Ebb	Last Quarter
WESTERN HEAD	2022-06-22 6:00	11.2	0	1	5	0.98	Ebb	Last Quarter
WESTERN HEAD	2022-06-22 7:00	12	0	2	5	0.72	Low	Last Quarter
WESTERN HEAD	2022-06-22 8:00	13.8	0	2	6	0.59	Low	Last Quarter
WESTERN HEAD	2022-06-22 9:00	14.9	0	7	6	0.43	Low	Last Quarter
WESTERN HEAD	2022-06-22 10:00	16.1	0	10	10	0.6	Low	Last Quarter
WESTERN HEAD	2022-06-22 11:00	17.1	0	11	12	0.67	Low	Last Quarter
WESTERN HEAD	2022-06-22 12:00	17.8	0	11	13	1.11	Flood	Last Quarter
WESTERN HEAD	2022-06-22 13:00	17.1	0	11	13	1.38	High	Last Quarter
WESTERN HEAD	2022-06-22 14:00	17.3	0	10	11	1.73	High	Last Quarter
WESTERN HEAD	2022-06-22 15:00	17.8	0	11	12	1.75	High	Last Quarter
WESTERN HEAD	2022-06-22 16:00	17.4	0	11	11	1.7	High	Last Quarter
WESTERN HEAD	2022-06-22 17:00	16	0	12	15	1.49	High	Last Quarter
WESTERN HEAD	2022-06-22 18:00	14.8	0	12	12	1.25	Ebb	Last Quarter
WESTERN HEAD	2022-06-22 19:00	13.5	0	10	5	1.05	Ebb	Last Quarter
WESTERN HEAD	2022-06-22 20:00	13	0	10	6	0.82	Ebb	Last Quarter
WESTERN HEAD	2022-06-22 21:00	12.4	0	11	8	0.59	Low	Last Quarter
WESTERN HEAD	2022-06-22 22:00	12	0	9	9	0.52	Low	Last Quarter
WESTERN HEAD	2022-06-22 23:00	11.9	0	8	7	0.56	Low	Last Quarter
WESTERN HEAD	2022-06-23 0:00	11.8	0	7	5	0.84	Flood	Last Quarter
WESTERN HEAD	2022-06-23 1:00	11.8	0	9	8	1.18	Flood	Last Quarter
WESTERN HEAD	2022-06-23 2:00	11.5	0	8	6	1.38	High	Last Quarter
WESTERN HEAD	2022-06-23 3:00	11.2	0	8	6	1.58	High	Last Quarter
WESTERN HEAD	2022-06-23 4:00	11.4	0	8	3	1.5	High	Last Quarter
WESTERN HEAD	2022-06-23 5:00	11.6	0	9	6	1.43	High	Last Quarter
WESTERN HEAD	2022-06-23 6:00	11.4	0	1	4	1.22	Ebb	Last Quarter
WESTERN HEAD	2022-06-23 7:00	11.4	0	2	5	0.96	Ebb	Last Quarter
WESTERN HEAD	2022-06-23 8:00	12.3	0	4	6	0.8	Low	Last Quarter
WESTERN HEAD	2022-06-23 9:00	13.5	0	6	7	0.64	Low	Last Quarter
WESTERN HEAD	2022-06-23 10:00	13.4	0	7	11	0.58	Low	Last Quarter
WESTERN HEAD	2022-06-23 11:00	14.4	0	6	10	0.6	Low	Last Quarter
WESTERN HEAD	2022-06-23 12:00	15.9	0	7	9	0.82	Flood	Last Quarter
WESTERN HEAD	2022-06-23 13:00	15.5	0	9	7	1.18	Flood	Last Quarter
WESTERN HEAD	2022-06-23 14:00	16.5	0	8	8	1.54	High	Last Quarter
WESTERN HEAD	2022-06-23 15:00	16.4	0	6	8	1.73	High	Last Quarter
WESTERN HEAD	2022-06-23 16:00	15.6	0	9	4	1.74	High	Last Quarter
WESTERN HEAD	2022-06-23 17:00	15.1	0	6	4	1.67	High	Last Quarter
WESTERN HEAD	2022-06-23 18:00	14.1	0	5	5	1.52	High	Last Quarter
WESTERN HEAD	2022-06-23 19:00	13.7	0	3	7	1.27	Ebb	Last Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-06-23 20:00	13.8	2	1	8	1.01	Ebb	Last Quarter
WESTERN HEAD	2022-06-23 21:00	14.6	3.3	4	12	0.74	Low	Last Quarter
WESTERN HEAD	2022-06-23 22:00	14.7	0.8	3	8	0.65	Low	Last Quarter
WESTERN HEAD	2022-06-23 23:00	14.3	0	2	10	0.58	Low	Last Quarter
WESTERN HEAD	2022-06-24 0:00	14.8	0.2	2	9	0.62	Low	Last Quarter
WESTERN HEAD	2022-06-24 1:00	15.2	0	14	23	0.9	Flood	Last Quarter
WESTERN HEAD	2022-06-24 2:00	15.1	0	14	27	1.17	Flood	Last Quarter
WESTERN HEAD	2022-06-24 3:00	14.9	0	15	26	1.5	High	Last Quarter
WESTERN HEAD	2022-06-24 4:00	14.5	0.2	15	22	1.59	High	Last Quarter
WESTERN HEAD	2022-06-24 5:00	14.2	0.6	15	17	1.62	High	Last Quarter
WESTERN HEAD	2022-06-24 6:00	14.3	0.4	12	14	1.46	High	Last Quarter
WESTERN HEAD	2022-06-24 7:00	14.2	0.3	14	9	1.31	High	Last Quarter
WESTERN HEAD	2022-06-24 8:00	14.4	0.7	5	5	1.09	Ebb	Last Quarter
WESTERN HEAD	2022-06-24 9:00	14.4	1.3	2	6	0.91	Ebb	Last Quarter
WESTERN HEAD	2022-06-24 10:00	15.3	1.3	1	7	0.77	Low	Last Quarter
WESTERN HEAD	2022-06-24 11:00	16.1	0.2	2	7	0.75	Low	Last Quarter
WESTERN HEAD	2022-06-24 12:00	17.2	0	36	9	0.75	Low	Last Quarter
WESTERN HEAD	2022-06-24 13:00	19.4	0	3	6	0.98	Flood	Last Quarter
WESTERN HEAD	2022-06-24 14:00	19	0	6	9	1.33	High	Last Quarter
WESTERN HEAD	2022-06-24 15:00	18.2	0	4	6	1.58	High	Last Quarter
WESTERN HEAD	2022-06-24 16:00	16.9	0	3	5	1.81	High	Last Quarter
WESTERN HEAD	2022-06-24 17:00	16.5	0	4	4	1.79	High	Last Quarter
WESTERN HEAD	2022-06-24 18:00	16.4	0	3	4	1.71	High	Last Quarter
WESTERN HEAD	2022-06-24 19:00	15.3	0	1	5	1.47	High	Last Quarter
WESTERN HEAD	2022-06-24 20:00	14.3	0	2	7	1.24	Ebb	Last Quarter
WESTERN HEAD	2022-06-24 21:00	14.9	0	35	10	0.91	Ebb	Last Quarter
WESTERN HEAD	2022-06-24 22:00	14.9	0	36	7	0.76	Low	Last Quarter
WESTERN HEAD	2022-06-24 23:00	15.3	0	1	5	0.5	Low	Last Quarter
WESTERN HEAD	2022-06-25 0:00	15.3	0.3	36	3	0.5	Low	Last Quarter
WESTERN HEAD	2022-06-25 1:00	16.3	0	35	7	0.61	Low	Last Quarter
WESTERN HEAD	2022-06-25 2:00	16.7	0	34	6	0.9	Flood	Last Quarter
WESTERN HEAD	2022-06-25 3:00	15.7	0	24	3	1.22	Flood	Last Quarter
WESTERN HEAD	2022-06-25 4:00	15.8	0	24	5	1.51	High	Last Quarter
WESTERN HEAD	2022-06-25 5:00	14.8	0	24	5	1.6	High	Last Quarter
WESTERN HEAD	2022-06-25 6:00	17.7	0.2	31	9	1.55	High	Last Quarter
WESTERN HEAD	2022-06-25 7:00	18.6	0	30	13	1.47	High	Last Quarter
WESTERN HEAD	2022-06-25 8:00	20.5	0	31	16	1.25	Ebb	Last Quarter
WESTERN HEAD	2022-06-25 9:00	22.5	0	34	12	1.1	Ebb	Last Quarter
WESTERN HEAD	2022-06-25 10:00	23.8	0	32	11	0.85	Ebb	Last Quarter
WESTERN HEAD	2022-06-25 11:00	22.6	0	11	7	0.73	Low	Last Quarter
WESTERN HEAD	2022-06-25 12:00	17.3	0	18	7	0.71	Low	Last Quarter
WESTERN HEAD	2022-06-25 13:00	18	0	23	8	0.75	Low	Last Quarter
WESTERN HEAD	2022-06-25 14:00	19.7	0	19	14	1.01	Flood	Last Quarter
WESTERN HEAD	2022-06-25 15:00	19.3	0	21	15	1.32	High	Last Quarter
WESTERN HEAD	2022-06-25 16:00	19.6	0	20	15	1.56	High	Last Quarter
WESTERN HEAD	2022-06-25 17:00	17.7	0	21	15	1.78	High	Last Quarter
WESTERN HEAD	2022-06-25 18:00	17.9	0	23	7	1.74	High	Last Quarter
WESTERN HEAD	2022-06-25 19:00	16.4	0	21	15	1.63	High	Last Quarter
WESTERN HEAD	2022-06-25 20:00	14.9	0	22	12	1.35	High	Last Quarter
WESTERN HEAD	2022-06-25 21:00	14.4	0	22	14	1.08	Ebb	Last Quarter
WESTERN HEAD	2022-06-25 22:00	13.9	0	22	11	0.82	Ebb	Last Quarter
WESTERN HEAD	2022-06-25 23:00	13	0	22	7	0.57	Low	Last Quarter
WESTERN HEAD	2022-06-26 0:00	13.4	0	23	10	0.44	Low	Last Quarter
WESTERN HEAD	2022-06-26 1:00	14.5	0	22	4	0.38	Low	Last Quarter
WESTERN HEAD	2022-06-26 2:00	14.6	0	25	3	0.6	Low	Last Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-06-26 3:00	14.4	0	1	6	0.89	Flood	Last Quarter
WESTERN HEAD	2022-06-26 4:00	13.5	0	11	6	1.24	Flood	Last Quarter
WESTERN HEAD	2022-06-26 5:00	13.3	0	23	8	1.45	High	Last Quarter
WESTERN HEAD	2022-06-26 6:00	14.1	0	18	5	1.56	High	Last Quarter
WESTERN HEAD	2022-06-26 7:00	15	0	24	6	1.56	High	Last Quarter
WESTERN HEAD	2022-06-26 8:00	15.5	0	18	10	1.41	High	Last Quarter
WESTERN HEAD	2022-06-26 9:00	15.4	0	21	7	1.22	Ebb	Last Quarter
WESTERN HEAD	2022-06-26 10:00	16.1	0	20	12	0.93	Ebb	Last Quarter
WESTERN HEAD	2022-06-26 11:00	17.4	0	19	10	0.83	Ebb	Last Quarter
WESTERN HEAD	2022-06-26 12:00	17.5	0	19	10	0.69	Low	Last Quarter
WESTERN HEAD	2022-06-26 13:00	17.6	0	18	17	0.71	Low	Last Quarter
WESTERN HEAD	2022-06-26 14:00	17.1	0	20	14	0.77	Low	Last Quarter
WESTERN HEAD	2022-06-26 15:00	16.6	0	20	18	1	Flood	Last Quarter
WESTERN HEAD	2022-06-26 16:00	17.2	0	20	17	1.35	High	Last Quarter
WESTERN HEAD	2022-06-26 17:00	15.5	0	21	19	1.62	High	Last Quarter
WESTERN HEAD	2022-06-26 18:00	14.6	0	20	15	1.75	High	Last Quarter
WESTERN HEAD	2022-06-26 19:00	14.2	0	21	13	1.67	High	Last Quarter
WESTERN HEAD	2022-06-26 20:00	14	0	20	10	1.53	High	Last Quarter
WESTERN HEAD	2022-06-26 21:00	13.8	0	21	13	1.25	Ebb	Last Quarter
WESTERN HEAD	2022-06-26 22:00	14	0	21	14	1	Ebb	Last Quarter
WESTERN HEAD	2022-06-26 23:00	13.9	0	20	17	0.67	Low	Last Quarter
WESTERN HEAD	2022-06-27 0:00	13.4	0	21	17	0.46	Low	Last Quarter
WESTERN HEAD	2022-06-27 1:00	13.1	0	20	11	0.37	Low	Last Quarter
WESTERN HEAD	2022-06-27 2:00	13	0	20	16	0.37	Low	Last Quarter
WESTERN HEAD	2022-06-27 3:00	13.1	0	20	14	0.63	Low	Last Quarter
WESTERN HEAD	2022-06-27 4:00	13.3	0	21	16	0.89	Flood	Last Quarter
WESTERN HEAD	2022-06-27 5:00	13.3	0	21	14	1.3	High	Last Quarter
WESTERN HEAD	2022-06-27 6:00	13.7	0	20	10	1.47	High	Last Quarter
WESTERN HEAD	2022-06-27 7:00	14.3	0	18	7	1.67	High	Last Quarter
WESTERN HEAD	2022-06-27 8:00	14.9	0	17	17	1.53	High	Last Quarter
WESTERN HEAD	2022-06-27 9:00	15	0	17	19	1.36	High	Last Quarter
WESTERN HEAD	2022-06-27 10:00	15.5	0	19	18	1.15	Ebb	Last Quarter
WESTERN HEAD	2022-06-27 11:00	16	0	19	18	0.91	Ebb	Last Quarter
WESTERN HEAD	2022-06-27 12:00	16.3	0	20	22	0.85	Ebb	Last Quarter
WESTERN HEAD	2022-06-27 13:00	16.9	0	19	26	0.67	Low	Last Quarter
WESTERN HEAD	2022-06-27 14:00	17.8	0	19	28	0.74	Low	Last Quarter
WESTERN HEAD	2022-06-27 15:00	17.5	0	19	34	0.86	Flood	Last Quarter
WESTERN HEAD	2022-06-27 16:00	17.2	0	19	31	1.17	Flood	Last Quarter
WESTERN HEAD	2022-06-27 17:00	16	0	19	29	1.46	High	Last Quarter
WESTERN HEAD	2022-06-27 18:00	15.3	0	20	27	1.69	High	Last Quarter
WESTERN HEAD	2022-06-27 19:00	14.9	0	20	26	1.78	High	Last Quarter
WESTERN HEAD	2022-06-27 20:00	14.6	0	20	27	1.7	High	Last Quarter
WESTERN HEAD	2022-06-27 21:00	14.8	0	21	21	1.5	High	Last Quarter
WESTERN HEAD	2022-06-27 22:00	14.6	0	20	25	1.18	Ebb	Last Quarter
WESTERN HEAD	2022-06-27 23:00	14.9	0	21	21	0.84	Ebb	Last Quarter
WESTERN HEAD	2022-06-28 0:00	15	0	22	22	0.58	Low	Last Quarter
WESTERN HEAD	2022-06-28 1:00	14.2	0.5	21	19	0.46	Low	Last Quarter
WESTERN HEAD	2022-06-28 2:00	14.3	0.4	20	29	0.37	Low	Last Quarter
WESTERN HEAD	2022-06-28 3:00	13.9	0	21	19	0.46	Low	Last Quarter
WESTERN HEAD	2022-06-28 4:00	13.9	0	20	21	0.68	Low	Last Quarter
WESTERN HEAD	2022-06-28 5:00	13.7	0	21	18	1.07	Flood	Last Quarter
WESTERN HEAD	2022-06-28 6:00	13.5	0	21	21	1.39	High	Last Quarter
WESTERN HEAD	2022-06-28 7:00	13.2	0	21	19	1.63	High	Last Quarter
WESTERN HEAD	2022-06-28 8:00	13.4	0	20	25	1.65	High	Last Quarter
WESTERN HEAD	2022-06-28 9:00	12.7	0	21	15	1.53	High	Last Quarter

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-06-28 10:00	12.8	0	21	17	1.37	High	Last Quarter
WESTERN HEAD	2022-06-28 11:00	13.3	0.2	24	10	1.11	Ebb	Last Quarter
WESTERN HEAD	2022-06-28 12:00	13	0	21	10	0.91	Ebb	Last Quarter
WESTERN HEAD	2022-06-28 13:00	15	0	22	7	0.77	Low	Last Quarter
WESTERN HEAD	2022-06-28 14:00	14.5	0.2	22	8	0.75	Low	Last Quarter
WESTERN HEAD	2022-06-28 15:00	14	0	21	13	0.71	Low	Last Quarter
WESTERN HEAD	2022-06-28 16:00	15.4	0	23	6	1	Flood	Last Quarter
WESTERN HEAD	2022-06-28 17:00	14.5	0	19	13	1.2	Flood	Last Quarter
WESTERN HEAD	2022-06-28 18:00	14.8	0	23	9	1.56	High	Last Quarter
WESTERN HEAD	2022-06-28 19:00	13.1	0	24	14	1.76	High	Last Quarter
WESTERN HEAD	2022-06-28 20:00	12.1	0	22	14	1.76	High	Last Quarter
WESTERN HEAD	2022-06-28 21:00	12	0	21	20	1.6	High	Last Quarter
WESTERN HEAD	2022-06-28 22:00	10.3	0	22	11	1.32	High	Last Quarter
WESTERN HEAD	2022-06-28 23:00	8.8	0	26	3	1.02	Ebb	Last Quarter
WESTERN HEAD	2022-06-29 0:00	9.3	0	24	8	0.71	Low	New Moon
WESTERN HEAD	2022-06-29 1:00	10.8	0	24	4	0.5	Low	New Moon
WESTERN HEAD	2022-06-29 2:00	9	0	23	6	0.33	Low	New Moon
WESTERN HEAD	2022-06-29 3:00	9.4	0	24	7	0.34	Low	New Moon
WESTERN HEAD	2022-06-29 4:00	10.2	0	25	4	0.5	Low	New Moon
WESTERN HEAD	2022-06-29 5:00	8.7	0	2	4	0.77	Low	New Moon
WESTERN HEAD	2022-06-29 6:00	12.6	0	29	2	1.12	Flood	New Moon
WESTERN HEAD	2022-06-29 7:00	13.6	0	12	1	1.41	High	New Moon
WESTERN HEAD	2022-06-29 8:00	14.1	0	13	5	1.62	High	New Moon
WESTERN HEAD	2022-06-29 9:00	17	0	21	4	1.62	High	New Moon
WESTERN HEAD	2022-06-29 10:00	15.8	0	20	10	1.48	High	New Moon
WESTERN HEAD	2022-06-29 11:00	16	0	23	11	1.2	Ebb	New Moon
WESTERN HEAD	2022-06-29 12:00	16.3	0	22	11	0.97	Ebb	New Moon
WESTERN HEAD	2022-06-29 13:00	17.7	0	22	11	0.81	Ebb	New Moon
WESTERN HEAD	2022-06-29 14:00	16.5	0	23	9	0.7	Low	New Moon
WESTERN HEAD	2022-06-29 15:00	16.5	0	23	12	0.71	Low	New Moon
WESTERN HEAD	2022-06-29 16:00	16.5	0	23	11	0.75	Low	New Moon
WESTERN HEAD	2022-06-29 17:00	16.9	0	23	11	1.04	Flood	New Moon
WESTERN HEAD	2022-06-29 18:00	16.1	0	22	11	1.29	Flood	New Moon
WESTERN HEAD	2022-06-29 19:00	15.3	0	24	12	1.62	High	New Moon
WESTERN HEAD	2022-06-29 20:00	12.9	0	21	7	1.69	High	New Moon
WESTERN HEAD	2022-06-29 21:00	12.2	0	22	11	1.74	High	New Moon
WESTERN HEAD	2022-06-29 22:00	11.2	0	22	12	1.49	High	New Moon
WESTERN HEAD	2022-06-29 23:00	12.5	0	29	11	1.26	Ebb	New Moon
WESTERN HEAD	2022-06-30 0:00	11.9	0	29	8	0.83	Ebb	New Moon
WESTERN HEAD	2022-06-30 1:00	11.2	0		0	0.6	Low	New Moon
WESTERN HEAD	2022-06-30 2:00	10.4	0	14	5	0.38	Low	New Moon
WESTERN HEAD	2022-06-30 3:00	10.1	0	1	2	0.33	Low	New Moon
WESTERN HEAD	2022-06-30 4:00	9.8	0	2	3	0.4	Low	New Moon
WESTERN HEAD	2022-06-30 5:00	10	0	12	3	0.52	Low	New Moon
WESTERN HEAD	2022-06-30 6:00	12.4	0	7	1	0.93	Flood	New Moon
WESTERN HEAD	2022-06-30 7:00	13.3	0		0	1.26	Flood	New Moon
WESTERN HEAD	2022-06-30 8:00	15.8	0	20	5	1.57	High	New Moon
WESTERN HEAD	2022-06-30 9:00	16.8	0	12	4	1.62	High	New Moon
WESTERN HEAD	2022-06-30 10:00	18.2	0	18	6	1.62	High	New Moon
WESTERN HEAD	2022-06-30 11:00	17.1	0	21	20	1.39	High	New Moon
WESTERN HEAD	2022-06-30 12:00	16.4	0	21	13	1.18	Ebb	New Moon
WESTERN HEAD	2022-06-30 13:00	14.9	0	24	9	0.93	Ebb	New Moon
WESTERN HEAD	2022-06-30 14:00	14.5	0	20	14	0.8	Low	New Moon
WESTERN HEAD	2022-06-30 15:00	16.9	0	20	10	0.74	Low	New Moon
WESTERN HEAD	2022-06-30 16:00	16.7	0	21	9	0.72	Low	New Moon

Table 22: Spring 2022 Weather Data - Mersey River Wind Farm Project

Project # 21-7833

Station Name	Date/Time (LST)	Temperature (°C)	Precipitation Amount (mm)	Wind Direction (10s deg)	Wind Speed (km/h)	Observed Water Level (Metres) Halifax	Tide	Moon Phase
WESTERN HEAD	2022-06-30 17:00	16.3	0	21	7	0.9	Flood	New Moon
WESTERN HEAD	2022-06-30 18:00	15.8	0	21	8	1.14	Flood	New Moon
WESTERN HEAD	2022-06-30 19:00	14.7	0	23	12	1.48	High	New Moon
WESTERN HEAD	2022-06-30 20:00	14.2	0	25	9	1.69	High	New Moon
WESTERN HEAD	2022-06-30 21:00	16.3	0	30	12	1.8	High	New Moon
WESTERN HEAD	2022-06-30 22:00	16.9	0	32	13	1.66	High	New Moon
WESTERN HEAD	2022-06-30 23:00	16.5	0	32	13	1.44	High	New Moon

APPENDIX N
EMI



September 19, 2022

Mr. Joel Butler
Bell (BCE Corporate Headquarters)
1 Carrefour Alexander-Graham-Bell
Building A, 4th Floor
Verdun, QC H3E 3B3
Email: Joel.Butler@bellaliant.ca

Dear Mr. Butler,

Re: Mersey River Wind Farm Project
Milton & Liverpool, Nova Scotia

Strum Consulting, a Nova Scotia-based environmental and engineering consulting firm, has been retained by Roswall Developments Inc. (our client) to support with the proposed Mersey River Wind Farm (the "Project") within Queens County, Nova Scotia.

On behalf of our client, Strum is conducting an electromagnetic interference ("EMI") study on the placement of 33 wind turbines within the Mersey River watershed, located near the communities of Milton and Liverpool, Nova Scotia.

As an aspect of our investigation, we would like to formally consult with you on the Project and provide a discussion opportunity with respect to the proposed turbine layout.

More specifically, Strum is soliciting feedback, details, and specifications of existing operations from stakeholders to determine if there would be any potential interference with your existing operations as a result of the proposed wind turbine installations. The turbine specifications are as follows:

- Total of 33 turbines
- Tip height of each turbine is 180 metres
- Hub height of each turbine is 105 metres
- 3-blade rotor; turbine blade sweep diameter is 150 metres (blade length is 75 metres)

A map showing the proposed locations of the turbines is attached (Drawing 1); and a summary of the proposed turbine details, including coordinates and elevations, is provided in Table 1, below.

Engineering • Surveying • Environmental

Head Office
Railside, 1355 Bedford Hwy.
Bedford, NS B4A 1C5
t. 902.835.5560 (24/7)
f. 902.835.5574

Antigonish Office
3-A Vincent's Way
Antigonish, NS B2G 2X3
t. 902.863.1465 (24/7)
f. 902.863.1389

Moncton Office
45 Price Street
Moncton, NB E1A 3R1
t. 1.855.770.5560 (24/7)
f. 902.835.5574

St. John's Office
#E120 - 120 Torbay Road
St. John's, NL A1A 2G8
t. 709.738.8478 (24/7)
f. 709.738.8494

Table 1: Proposed Turbine Locations & Specifications

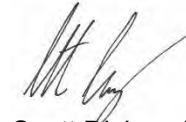
Turbine ID	Easting (UTM Z20)	Northing (UTM Z20)	Latitude	Longitude	Base of Turbine Elevation (m)	Turbine Hub Height (m)	Blade Length (m)	Total Elevation (m)
1	354581	4881125	44.0688686	-64.8158814	88	105	75	268
2	354805	4880546	44.06370266	-64.81292656	99	105	75	279
3	355211	4879679	44.0559809	-64.80762222	105	105	75	285
4	355393	4878915	44.04914162	-64.80514224	102	105	75	282
5	352535	4881591	44.07265317	-64.84154737	94	105	75	274
6	352947	4880733	44.06501502	-64.83616614	103	105	75	283
7	353127	4879845	44.05706019	-64.83367299	89	105	75	269
8	353535	4879208	44.05140955	-64.82840534	91	105	75	271
9	350677	4881957	44.07557039	-64.86484149	89	105	75	269
10	350251	4882651	44.08172846	-64.87035564	85	105	75	265
11	349960	4883299	44.08749997	-64.87417244	85	105	75	265
12	348746	4883403	44.0881861	-64.88935836	93	105	75	273
13	348221	4884382	44.09688695	-64.8961943	84	105	75	264
14	351694	4879839	44.05671772	-64.85155275	101	105	75	281
15	351945	4878639	44.04596997	-64.84808477	99	105	75	279
16	352259	4877829	44.03874428	-64.84394113	112	105	75	292
17	352698	4887095	44.12221482	-64.84104952	89	105	75	269
18	350328	4878629	44.04555178	-64.86825545	99	105	75	279
19	349934	4878270	44.04224077	-64.87306906	104	105	75	284
20	349538	4880012	44.05783518	-64.87850472	100	105	75	280
21	349125	4880698	44.0639233	-64.88385403	93	105	75	273
22	348013	4880022	44.0576106	-64.8975368	64	105	75	244
23	347744	4880667	44.06335879	-64.90107918	62	105	75	242
24	347435	4881312	44.06909852	-64.90512147	90	105	75	270
25	347209	4881949	44.07478341	-64.90812627	89	105	75	269
26	346079	4881912	44.07421397	-64.92221963	103	105	75	283
27	345927	4882813	44.08228949	-64.92437965	101	105	75	281
28	345645	4883494	44.08835794	-64.92809897	112	105	75	292
29	347128	4884467	44.0974244	-64.90986643	95	105	75	275
30	346787	4885247	44.10437181	-64.91435081	116	105	75	296
31	346316	4885724	44.10856524	-64.92037156	103	105	75	283
32	344724	4884418	44.09647758	-64.93986883	95	105	75	275
33	344471	4885163	44.10312752	-64.94324741	93	105	75	273

Thank you for your time and consideration of this Project. Upon review, should you have any questions, concerns, or identify a need for additional information, please do not hesitate to contact a member of our team and we will follow up with you directly. Your feedback and support in this matter is most appreciated.

Thank you,



Shawn Duncan, BSc.
President
sduncan@strum.com
















Scott Dickey, BSc. (Hons), MREM
Manager, Environmental Sciences
sdickey@strum.com

Mersey River Wind Farm

Site Overview

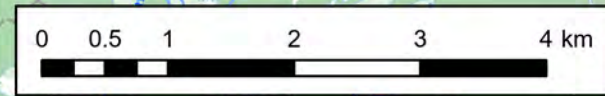
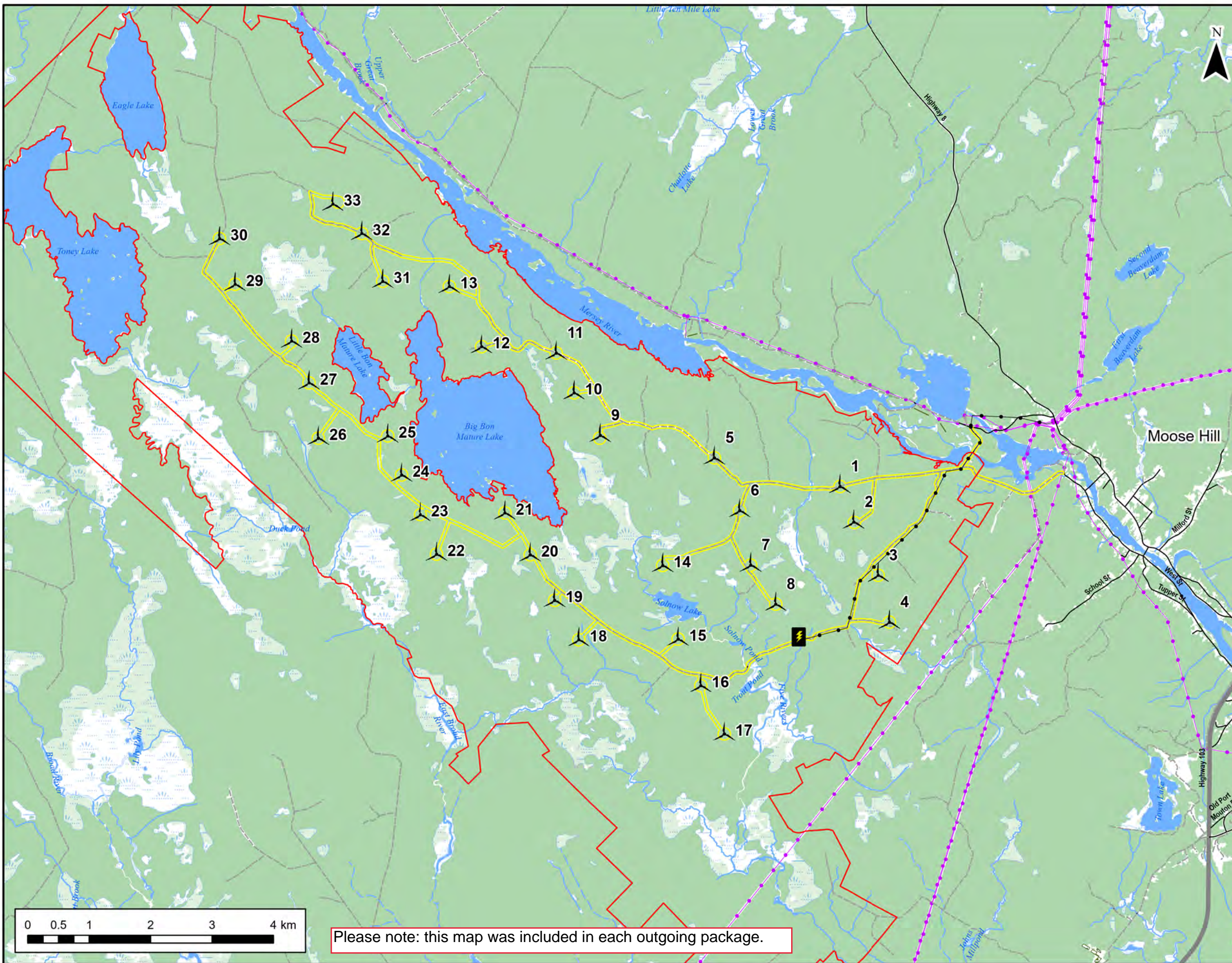


-  Proposed Turbine Location
-  Project Boundary
-  Survey Boundary
-  Proposed Substation
-  Proposed Interconnection Route
- Transportation**
 -  Highway
 -  Road
 -  Unpaved Road
- Utilities (line)**
 -  Existing Transmission Lines
- Water Features**
 -  Mapped Stream
 -  Mapped Indefinite Stream
 -  Mapped Wet Area
 -  Mapped Lakes and Rivers



Coordinate System: NAD83 UTM Zone 20N
Sources: ESRI Basemaps, GeolNOVA, NSTD, HERE, Garmin, USGS, IIRCan

Date:	Sept. 2022	Project #:	22-7833
Scale:	1:60,000	Drawing #:	1
Drawn By:	M. Savelle		
Checked By:	S. Dickey		



Please note: this map was included in each outgoing package.



September 19, 2022

Mr. Brad Wells, CET
Senior Manager, NS Zone Leader
Access Engineering
Bell Aliant
Email: Brad.Wells@bellaliant.ca

Dear Mr. Wells,

Re: Mersey River Wind Farm Project
Milton & Liverpool, Nova Scotia

Strum Consulting, a Nova Scotia-based environmental and engineering consulting firm, has been retained by Roswall Developments Inc. (our client) to support with the proposed Mersey River Wind Farm (the "Project") within Queens County, Nova Scotia.

On behalf of our client, Strum is conducting an electromagnetic interference ("EMI") study on the placement of 33 wind turbines within the Mersey River watershed, located near the communities of Milton and Liverpool, Nova Scotia.

As an aspect of our investigation, we would like to formally consult with you on the Project and provide a discussion opportunity with respect to the proposed turbine layout.

More specifically, Strum is soliciting feedback, details, and specifications of existing operations from stakeholders to determine if there would be any potential interference with your existing operations as a result of the proposed wind turbine installations. The turbine specifications are as follows:

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- Hub height of each turbine is 105 metres
- 3-blade rotor; turbine blade sweep diameter is 150 metres (blade length is 75 metres)

A map showing the proposed locations of the turbines is attached (Drawing 1); and a summary of the proposed turbine details, including coordinates and elevations, is provided in Table 1, below.

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t. 902.863.1465 (24/7)
f. 902.863.1389

Moncton Office
45 Price Street
Moncton, NB E1A 3R1
t. 1.855.770.5560 (24/7)
f. 902.835.5574

St. John's Office
#E120 - 120 Torbay Road
St. John's, NL A1A 2G8
t. 709.738.8478 (24/7)
f. 709.738.8494

Table 1: Proposed Turbine Locations & Specifications

Turbine ID	Easting (UTM Z20)	Northing (UTM Z20)	Latitude	Longitude	Base of Turbine Elevation (m)	Turbine Hub Height (m)	Blade Length (m)	Total Elevation (m)
1	354581	4881125	44.0688686	-64.8158814	88	105	75	268
2	354805	4880546	44.06370266	-64.81292656	99	105	75	279
3	355211	4879679	44.0559809	-64.80762222	105	105	75	285
4	355393	4878915	44.04914162	-64.80514224	102	105	75	282
5	352535	4881591	44.07265317	-64.84154737	94	105	75	274
6	352947	4880733	44.06501502	-64.83616614	103	105	75	283
7	353127	4879845	44.05706019	-64.83367299	89	105	75	269
8	353535	4879208	44.05140955	-64.82840534	91	105	75	271
9	350677	4881957	44.07557039	-64.86484149	89	105	75	269
10	350251	4882651	44.08172846	-64.87035564	85	105	75	265
11	349960	4883299	44.08749997	-64.87417244	85	105	75	265
12	348746	4883403	44.0881861	-64.88935836	93	105	75	273
13	348221	4884382	44.09688695	-64.8961943	84	105	75	264
14	351694	4879839	44.05671772	-64.85155275	101	105	75	281
15	351945	4878639	44.04596997	-64.84808477	99	105	75	279
16	352259	4877829	44.03874428	-64.84394113	112	105	75	292
17	352698	4887095	44.12221482	-64.84104952	89	105	75	269
18	350328	4878629	44.04555178	-64.86825545	99	105	75	279
19	349934	4878270	44.04224077	-64.87306906	104	105	75	284
20	349538	4880012	44.05783518	-64.87850472	100	105	75	280
21	349125	4880698	44.0639233	-64.88385403	93	105	75	273
22	348013	4880022	44.0576106	-64.8975368	64	105	75	244
23	347744	4880667	44.06335879	-64.90107918	62	105	75	242
24	347435	4881312	44.06909852	-64.90512147	90	105	75	270
25	347209	4881949	44.07478341	-64.90812627	89	105	75	269
26	346079	4881912	44.07421397	-64.92221963	103	105	75	283
27	345927	4882813	44.08228949	-64.92437965	101	105	75	281
28	345645	4883494	44.08835794	-64.92809897	112	105	75	292
29	347128	4884467	44.0974244	-64.90986643	95	105	75	275
30	346787	4885247	44.10437181	-64.91435081	116	105	75	296
31	346316	4885724	44.10856524	-64.92037156	103	105	75	283
32	344724	4884418	44.09647758	-64.93986883	95	105	75	275
33	344471	4885163	44.10312752	-64.94324741	93	105	75	273

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Thank you,



Shawn Duncan, BSc.
President
sduncan@strum.com



Scott Dickey, BSc. (Hons), MREM
Manager, Environmental Sciences
sdickey@strum.com



Courtney Morrison <cmorrison@strum.com>

FW: [REDACTED] **Wind Farm Project**

2 messages

Butler, Joel <Joel.Butler@bellaliant.ca>
To: Courtney Morrison <cmorrison@strum.com>

Tue, Nov 8, 2022 at 4:27 PM

Hi Courtney,

Here's confirmation that our team has reviewed that the Mersey River EMI study and finds no risk of interference.

Please let me know if you need anything else!

Joel



Joel Butler (he/him | il/lui)

Sr. Manager, Corporate Responsibility and Environment | Gest. principal, Responsabilité d'entreprise et environnement

T: 506-694-6468 M: 506-333-2234

From: Saini, Sunny <sunny.saini@bell.ca>
Sent: Tuesday, November 8, 2022 11:53 AM
To: Butler, Joel <Joel.Butler@bellaliant.ca>
Subject: RE: [EXT] [REDACTED] Wind Farm Project

Hi Joel,

Team reviewed the EMI Study Mersey River wind farm and confirmed that this project will have no affect on our communication equipment.

Thanks,



September 19, 2022

Bridgewater Police

14 Crook's Lane
Bridgewater, NS B4V 3V3

To Whom it may concern,

**Re: Mersey River Wind Farm Project
Milton & Liverpool, Nova Scotia**

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#E120 - 120 Torbay Road
St. John's, NL A1A 2G8
t. 709.738.8478 (24/7)
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7	353127	4879845	44.05706019	-64.83367299	89	105	75	269
8	353535	4879208	44.05140955	-64.82840534	91	105	75	271
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29	347128	4884467	44.0974244	-64.90986643	95	105	75	275
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31	346316	4885724	44.10856524	-64.92037156	103	105	75	283
32	344724	4884418	44.09647758	-64.93986883	95	105	75	275
33	344471	4885163	44.10312752	-64.94324741	93	105	75	273

Thank you for your time and consideration of this Project. Upon review, should you have any questions, concerns, or identify a need for additional information, please do not hesitate to contact a member of our team and we will follow up with you directly. Your feedback and support in this matter is most appreciated.

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sduncan@strum.com



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Manager, Environmental Sciences
sdickey@strum.com



September 19, 2022

**Canadian Coast Guard
Vessel Traffic Systems Radars**

Email: windfarm.coordinator@dfo-mpo.gc.ca

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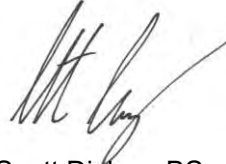
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President
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Scott Dickey, BSc. (Hons), MREM
Manager, Environmental Sciences
sdickey@strum.com



Courtney Morrison <cmorrison@strum.com>

RE: Mersey River Wind Farm Project

2 messages

Grégoire, Martin <Martin.Gregoire@dfo-mpo.gc.ca>
To: General Mailbox <general@strum.com>
Cc: Scott Dickey <sdickey@strum.com>

Mon, Oct 3, 2022 at 11:30 AM

Hello,

There is no CCG communication or radar site in the vicinity of the proposed wind farm (Mersey River). Therefore no interference issues are anticipated.

Regards / Salutations,

Martin Grégoire

Canadian Coast Guard

Garde côtière canadienne

From: General Mailbox <general@strum.com>
Sent: Tuesday, 20 September, 2022 1:38 PM
To: CCG Wind Farm Coordinator / Coordinateur Parc Éolien GCC (DFO/MPO) <DFO.CCGWindFarmCoordinator-CoordinateurParcEolienGCC.MPO@dfo-mpo.gc.ca>
Cc: Scott Dickey <sdickey@strum.com>
Subject: Mersey River Wind Farm Project

Good afternoon,

Please find attached a notification letter for the proposed Mersey River Wind Farm development located near the communities of Milton and Liverpool within Queens County, Nova Scotia. A confirmation of receipt would be greatly appreciated. For questions or comments, kindly contact the undersigned.

Thank you,

Courtney Morrison (she/her)

Community Engagement Coordinator

A rectangular box with a black border, used to redact the signature of Courtney Morrison.



September 19, 2022

**Department of National Defence (DND)
Military Air Defence and Air Traffic Control Radars**

Wind Turbines

D Aero Rdns

1 Canadian Air Division

PO Box 17000 Station Forces

Winnipeg MB R3J 3Y5

Email: +WindTurbines@forces.gc.ca

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Manager, Environmental Sciences
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Wind Turbine Submission Form

Turbine information						
Turbine Number	LAT dd mm ss.ss	LONG -ddd mm ss.ss	Ground Elevation (meters)	Nacelle Height (meters)	Rotor Diameter (meters)	Total Height (meters)
Example 1	60 39 16.59	-110 36 14.01	126.00	100.00	96	274
1	44 04 7.927	-64 48 57.173	88	105	150	268
2	44 03 49.33	-64 48 46.536	99	105	150	279
3	44 03 21.531	-64 48 27.44	105	105	150	285
4	44 02 56.91	-64 48 18.512	102	105	150	282
5	44 04 21.551	-64 50 29.571	94	105	150	274
6	44 03 54.054	-64 50 10.198	103	105	150	283
7	44 03 25.417	-64 50 1.223	89	105	150	269
8	44 03 5.074	-64 49 42.259	91	105	150	271
9	44 04 32.053	-64 51 53.429	89	105	150	269
10	44 04 54.222	-64 52 13.28	85	105	150	265
11	44 05 15.00	-64 52 27.021	85	105	150	265
12	44 05 17.47	- 64 53 21.69	93	105	150	273
13	44 05 48.793	- 64 53 46.299	84	105	150	264
14	44 03 24.184	- 64 51 5.59	101	105	150	281
15	44 02 45.492	-64 50 53.105	99	105	150	279
16	44 02 19.479	- 64 50 38.188	112	105	150	292
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23	44 03 48.092	- 64 54 3.885	62	105	150	242
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September 19, 2022

Department of National Defence (DND)
Military Radio Communication Users
ATTN: DND FSM
Email: +WindTurbines@forces.gc.ca

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9	350677	4881957	44.07557039	-64.86484149	89	105	75	269
10	350251	4882651	44.08172846	-64.87035564	85	105	75	265
11	349960	4883299	44.08749997	-64.87417244	85	105	75	265
12	348746	4883403	44.0881861	-64.88935836	93	105	75	273
13	348221	4884382	44.09688695	-64.8961943	84	105	75	264
14	351694	4879839	44.05671772	-64.85155275	101	105	75	281
15	351945	4878639	44.04596997	-64.84808477	99	105	75	279
16	352259	4877829	44.03874428	-64.84394113	112	105	75	292
17	352698	4887095	44.12221482	-64.84104952	89	105	75	269
18	350328	4878629	44.04555178	-64.86825545	99	105	75	279
19	349934	4878270	44.04224077	-64.87306906	104	105	75	284
20	349538	4880012	44.05783518	-64.87850472	100	105	75	280
21	349125	4880698	44.0639233	-64.88385403	93	105	75	273
22	348013	4880022	44.0576106	-64.8975368	64	105	75	244
23	347744	4880667	44.06335879	-64.90107918	62	105	75	242
24	347435	4881312	44.06909852	-64.90512147	90	105	75	270
25	347209	4881949	44.07478341	-64.90812627	89	105	75	269
26	346079	4881912	44.07421397	-64.92221963	103	105	75	283
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Thank you for your time and consideration of this Project. Upon review, should you have any questions, concerns, or identify a need for additional information, please do not hesitate to contact a member of our team and we will follow up with you directly. Your feedback and support in this matter is most appreciated.

Thank you,



Shawn Duncan, BSc.
President
sduncan@strum.com



Scott Dickey, BSc. (Hons), MREM
Manager, Environmental Sciences
sdickey@strum.com

Wind Turbine Submission Form

Turbine information						
Turbine Number	LAT dd mm ss.ss	LONG -ddd mm ss.ss	Ground Elevation (meters)	Nacelle Height (meters)	Rotor Diameter (meters)	Total Height (meters)
Example 1	60 39 16.59	-110 36 14.01	126.00	100.00	96	274
1	44 04 7.927	-64 48 57.173	88	105	150	268
2	44 03 49.33	-64 48 46.536	99	105	150	279
3	44 03 21.531	-64 48 27.44	105	105	150	285
4	44 02 56.91	-64 48 18.512	102	105	150	282
5	44 04 21.551	-64 50 29.571	94	105	150	274
6	44 03 54.054	-64 50 10.198	103	105	150	283
7	44 03 25.417	-64 50 1.223	89	105	150	269
8	44 03 5.074	-64 49 42.259	91	105	150	271
9	44 04 32.053	-64 51 53.429	89	105	150	269
10	44 04 54.222	-64 52 13.28	85	105	150	265
11	44 05 15.00	-64 52 27.021	85	105	150	265
12	44 05 17.47	- 64 53 21.69	93	105	150	273
13	44 05 48.793	- 64 53 46.299	84	105	150	264
14	44 03 24.184	- 64 51 5.59	101	105	150	281
15	44 02 45.492	-64 50 53.105	99	105	150	279
16	44 02 19.479	- 64 50 38.188	112	105	150	292
17	44 07 19.973	- 64 50 27.778	89	105	150	269
18	44 02 43.986	- 64 52 5.72	99	105	150	279
19	44 02 32.067	- 64 52 23.049	104	105	150	284
20	44 03 28.207	- 64 52 42.617	100	105	150	280
21	44 03 50.124	- 64 53 1.875	93	105	150	273
22	44 03 27.398	- 64 53 51.132	64	105	150	244
23	44 03 48.092	- 64 54 3.885	62	105	150	242
24	44 04 8.755	- 64 54 18.437	90	105	150	270
25	44 04 29.22	- 64 54 29.255	89	105	150	269
26	44 04 27.17	- 64 55 19.991	103	105	150	283
27	44 04 56.242	- 64 55 27.767	101	105	150	281
28	44 05 18.089	- 64 55 41.156	112	105	150	292
29	44 05 50.728	- 64 54 35.519	95	105	150	275
30	44 06 15.739	- 64 54 51.663	116	105	150	296
31	44 06 30.835	- 64 55 13.338	103	105	150	283
32	44 05 47.319	- 64 56 23.528	95	105	150	275
33	44 06 11.259	- 64 56 35.691	93	105	150	273



General Mailbox <general@strum.com>

NAVCAN File #22-3727

1 message

+WindTurbines@forces.gc.ca <+WindTurbines@forces.gc.ca>
To: general@strum.com

Tue, Nov 29, 2022 at 1:01 PM

Good day,

We have completed the detailed analysis of your proposed site, referenced in NAVCAN Land Use file# 22-3727 the Mersey River Wind Farm Project near Liverpool, NS. The results of the detailed analysis and subsequent technical and operational impact assessments have confirmed there is likely to be minimal or no interference with DND radar, flight operations, and radio-communication systems.

Therefore, as a result of these findings we have no objections with your project as submitted. Please find the attached Letter of Non-Objection for your records.

Thank you again for your patience during this process.

MWO / Adjum Jeff Bateman, CD

Staff Officer Aerospace Systems 3, 1 Canadian Air Division/Canadian NORAD Region Headquarters

Canadian Armed Forces

jeffrey.bateman2@forces.gc.ca / Tel.: 204-833-2500 ext 2257 / CSN: 257-2257

Officier d'État Major Systèmes Aérospatiales 3, 1re Division Aérienne du Canada/Région Canadienne du NORAD

Forces armées canadiennes

jeffrey.bateman2@forces.gc.ca / Tel.: 204-833-2500 ext 2257 / CSN: 257-2257

 **CANR Letter NON Objection 22-3727 Mersey River .pdf**
36K



1 Canadian Air Division HQ
PO BOX 17000 STN Forces
Winnipeg, MB R3J 3Y5

Date of Electronic Signature

Shawn Duncan
President
Strum Consulting
1355 Bedford Highway,
Bedford, Nova Scotia B4A 1C5

LETTER OF NON-OBJECTION FOR STRUM CONSULTING

Dear Mr. Duncan

Thank you for your patience on this matter and for considering DND radar, airport facilities, and radio-communication systems in your project development process. We have completed the detailed analysis of your proposed site, referenced in NAVCAN Land Use file# 22-3727 Mersey River Wind Farm Project near Liverpool, NS. The results of the detailed analysis and subsequent technical and operational impact assessments have confirmed there is likely to be minimal or no interference with DND radar, flight operations, and radio-communication systems. Therefore, as a result of these findings we have no objections with your project as submitted. If however, the layout were to change/move, please re-submit that proposal for another assessment.

The concurrence for this site is valid for 24 months from date of this correspondence. If the project should be cancelled or delayed during this timeframe please advise the point of contact. It should be noted that each submission is assessed on a case by case basis and as such, concurrence on this submission in no way constitutes a concurrence for similar projects in the same area, nor does it indicate that similar concurrence might be offered in another region. The issuance of this Letter of Non-Objection shall not constitute a waiver or alienation of any existing or future legal rights of the DND/CAF nor shall it be construed to create any exemptions, indemnification, approvals, rights, acceptances in favour of Strum Consulting.

DND/CAF expressly reserves its rights to take legal action or seek remedy for any and all liability, loss, harm, degradation of services or equipment, litigation costs, damages, judgements or expenses that arise from the adverse effects, whether incidental, indirect or causal, of the referenced NAVCAN Land Use file# 22-3727 Mersey River Wind Farm Project near Liverpool, NS. upon the DND/CAF radars, equipment and its provision of Air Traffic Services.

At present DND is working with Transport Canada to make obstruction lighting compliance with Night Vision Goggles (NVG) mandatory. At present DND cannot stipulate that proponents of wind turbine farms utilize NVG compliant lighting. However, as you can imagine, the safety of our aircrews is a top priority, and as such, we ask that you consider lighting your turbines with NVG compliant lighting so that they are visible to pilots during NVG operations.

I trust that you will find this satisfactory. If you have any technical questions or concerns regarding any aspect of this investigation, please contact the undersigned.

Kind regards.

A.A. Lockerby
Lieutenant-Colonel
Senior Staff Officer Aerospace
Capabilities and Readiness



September 19, 2022

Mr. Andrew MacVicar
Eastlink Inc.

P.O. Box 8660, Station "A"
Halifax, NS B3K 5M3
Email: CEO@corp.eastlink.ca

Dear Mr. MacVicar,

Re: Mersey River Wind Farm Project
Milton & Liverpool, Nova Scotia

Strum Consulting, a Nova Scotia-based environmental and engineering consulting firm, has been retained by Roswall Developments Inc. (our client) to support with the proposed Mersey River Wind Farm (the "Project") within Queens County, Nova Scotia.

On behalf of our client, Strum is conducting an electromagnetic interference ("EMI") study on the placement of 33 wind turbines within the Mersey River watershed, located near the communities of Milton and Liverpool, Nova Scotia.

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A map showing the proposed locations of the turbines is attached (Drawing 1); and a summary of the proposed turbine details, including coordinates and elevations, is provided in Table 1, below.

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St. John's Office
#E120 - 120 Torbay Road
St. John's, NL A1A 2G8
t. 709.738.8478 (24/7)
f. 709.738.8494

Table 1: Proposed Turbine Locations & Specifications

Turbine ID	Easting (UTM Z20)	Northing (UTM Z20)	Latitude	Longitude	Base of Turbine Elevation (m)	Turbine Hub Height (m)	Blade Length (m)	Total Elevation (m)
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3	355211	4879679	44.0559809	-64.80762222	105	105	75	285
4	355393	4878915	44.04914162	-64.80514224	102	105	75	282
5	352535	4881591	44.07265317	-64.84154737	94	105	75	274
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Thank you for your time and consideration of this Project. Upon review, should you have any questions, concerns, or identify a need for additional information, please do not hesitate to contact a member of our team and we will follow up with you directly. Your feedback and support in this matter is most appreciated.

Thank you,



Shawn Duncan, BSc.
President
sduncan@strum.com



Scott Dickey, BSc. (Hons), MREM
Manager, Environmental Sciences
sdickey@strum.com



September 19, 2022

**Environment Canada
Weather Radars**

Email: weatherradars@ec.gc.ca

To Whom it may concern,

**Re: Mersey River Wind Farm Project
Milton & Liverpool, Nova Scotia**

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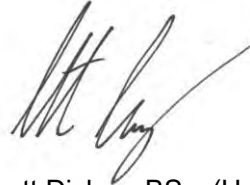
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Thank you,



Shawn Duncan, BSc.
President
sduncan@strum.com



Scott Dickey, BSc. (Hons), MREM
Manager, Environmental Sciences
sdickey@strum.com



Sept. 23th, 2022

Courtney Morrison
Strum Consulting

Subject: Mersey River Wind Farm Project – Updated Preliminary Analysis of Impacts on ECCC Radars (Gore Radar)

Dear Ms. Morrison,

Thank you for contacting the Meteorological Service of Canada, a branch of Environment and Climate Change Canada (ECCC), regarding your wind energy intentions.

When assessing the potential impact of all new wind farm projects, ECCC's main goal is to avoid significant interference that would hinder the timely and accurate production of watches and warnings of significant weather.

We have reviewed the information you have provided to us via email on Sept. 20, 2022, for the proposed Mersey River Wind Farm Project (located 141 km away from ECCC's Gore Radar - Gore, NS). Our preliminary assessment of the proposed project indicates that any potential interference that may be created, should not be severe for our radar operations. Consequently, we do not have objections to the current proposal.

If your plans are modified in any manner (e.g. number of turbines, height, placement or materials) this analysis would no longer be valid and an updated analysis must be conducted. Please contact us at: radarsmeteo-weatheradars@ec.gc.ca

Thank you for your ongoing cooperation and we wish you success with your wind energy project.

Sincerely,

Robert Daigle

Directeur, Surveillance atmosphérique et services de données
Service Météorologique du Canada, Environnement et Changement Climatique Canada
Director, Atmospheric Monitoring and Data Services
Meteorological Service of Canada, Environment and Climate Change Canada





September 19, 2022

Industry Canada

Email: ic.spectrumnsd-spectredne.ic@canada.ca

To Whom it may concern,

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Milton & Liverpool, Nova Scotia**

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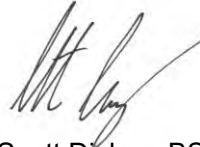
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9	350677	4881957	44.07557039	-64.86484149	89	105	75	269
10	350251	4882651	44.08172846	-64.87035564	85	105	75	265
11	349960	4883299	44.08749997	-64.87417244	85	105	75	265
12	348746	4883403	44.0881861	-64.88935836	93	105	75	273
13	348221	4884382	44.09688695	-64.8961943	84	105	75	264
14	351694	4879839	44.05671772	-64.85155275	101	105	75	281
15	351945	4878639	44.04596997	-64.84808477	99	105	75	279
16	352259	4877829	44.03874428	-64.84394113	112	105	75	292
17	352698	4887095	44.12221482	-64.84104952	89	105	75	269
18	350328	4878629	44.04555178	-64.86825545	99	105	75	279
19	349934	4878270	44.04224077	-64.87306906	104	105	75	284
20	349538	4880012	44.05783518	-64.87850472	100	105	75	280
21	349125	4880698	44.0639233	-64.88385403	93	105	75	273
22	348013	4880022	44.0576106	-64.8975368	64	105	75	244
23	347744	4880667	44.06335879	-64.90107918	62	105	75	242
24	347435	4881312	44.06909852	-64.90512147	90	105	75	270
25	347209	4881949	44.07478341	-64.90812627	89	105	75	269
26	346079	4881912	44.07421397	-64.92221963	103	105	75	283
27	345927	4882813	44.08228949	-64.92437965	101	105	75	281
28	345645	4883494	44.08835794	-64.92809897	112	105	75	292
29	347128	4884467	44.0974244	-64.90986643	95	105	75	275
30	346787	4885247	44.10437181	-64.91435081	116	105	75	296
31	346316	4885724	44.10856524	-64.92037156	103	105	75	283
32	344724	4884418	44.09647758	-64.93986883	95	105	75	275
33	344471	4885163	44.10312752	-64.94324741	93	105	75	273

Thank you for your time and consideration of this Project. Upon review, should you have any questions, concerns, or identify a need for additional information, please do not hesitate to contact a member of our team and we will follow up with you directly. Your feedback and support in this matter is most appreciated.

Thank you,



Shawn Duncan, BSc.
President
sduncan@strum.com



Scott Dickey, BSc. (Hons), MREM
Manager, Environmental Sciences
sdickey@strum.com



General Mailbox <general@strum.com>

RE: Mersey River Wind Farm Project

Spectrum NSD / Spectre DNE (IC) <spectrumnsd-spectredne@ised-isde.gc.ca>

Wed, Sep 21, 2022 at 1:14 PM

To: General Mailbox <general@strum.com>

Cc: Scott Dickey <sdickey@strum.com>

Good Afternoon,

Just a quick note to let you know that we received the information package for the proposed Mersey River Wind Farm development.

Thanks,

Morgan Gentle

District Director, Spectrum Management Operations Branch
Innovation, Science and Economic Development Canada / Government of Canada
morgan.gentle@canada.ca / Tel: 902-220-9132 / TTY: 1-866-694-8389

Directeur de district, Direction générale des opérations de la gestion du spectre
Innovation, Sciences et Développement économique Canada / Gouvernement du Canada
morgan.gentle@canada.ca / Tél. : 902-220-9132 / ATS : 1-866-694-8389

From: General Mailbox <general@strum.com>**Sent:** September 20, 2022 2:51 PM**To:** ic.spectrumnsd-spectredne.ic@canada.ca**Cc:** Scott Dickey <sdickey@strum.com>**Subject:** Mersey River Wind Farm Project

Good afternoon,

Please find attached a notification letter for the proposed Mersey River Wind Farm development located near the communities of Milton and Liverpool within Queens County, Nova Scotia. A confirmation of receipt would be greatly appreciated. For questions or comments, kindly contact the undersigned.

Thank you,

Courtney Morrison (she/her)

Community Engagement Coordinator



September 19, 2022

Mr. Trevor Munroe
Fire Chief
Liverpool Fire Fighters Association
PO Box 268
Liverpool, NS B0T 1K0
Email: liverpoolfire@bellaliant.com

Dear Mr. Munroe,

Re: Mersey River Wind Farm Project
Milton & Liverpool, Nova Scotia

Strum Consulting, a Nova Scotia-based environmental and engineering consulting firm, has been retained by Roswall Developments Inc. (our client) to support with the proposed Mersey River Wind Farm (the "Project") within Queens County, Nova Scotia.

On behalf of our client, Strum is conducting an electromagnetic interference ("EMI") study on the placement of 33 wind turbines within the Mersey River watershed, located near the communities of Milton and Liverpool, Nova Scotia.

As an aspect of our investigation, we would like to formally consult with you on the Project and provide a discussion opportunity with respect to the proposed turbine layout.

More specifically, Strum is soliciting feedback, details, and specifications of existing operations from stakeholders to determine if there would be any potential interference with your existing operations as a result of the proposed wind turbine installations. The turbine specifications are as follows:

- Total of 33 turbines
- Tip height of each turbine is 180 metres
- Hub height of each turbine is 105 metres
- 3-blade rotor; turbine blade sweep diameter is 150 metres (blade length is 75 metres)

A map showing the proposed locations of the turbines is attached (Drawing 1); and a summary of the proposed turbine details, including coordinates and elevations, is provided in Table 1, below.

Engineering • Surveying • Environmental

Head Office
Railside, 1355 Bedford Hwy.
Bedford, NS B4A 1C5
t. 902.835.5560 (24/7)
f. 902.835.5574

Antigonish Office
3-A Vincent's Way
Antigonish, NS B2G 2X3
t. 902.863.1465 (24/7)
f. 902.863.1389

Moncton Office
45 Price Street
Moncton, NB E1A 3R1
t. 1.855.770.5560 (24/7)
f. 902.835.5574

St. John's Office
#E120 - 120 Torbay Road
St. John's, NL A1A 2G8
t. 709.738.8478 (24/7)
f. 709.738.8494

Table 1: Proposed Turbine Locations & Specifications

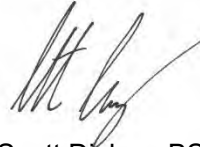
Turbine ID	Easting (UTM Z20)	Northing (UTM Z20)	Latitude	Longitude	Base of Turbine Elevation (m)	Turbine Hub Height (m)	Blade Length (m)	Total Elevation (m)
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3	355211	4879679	44.0559809	-64.80762222	105	105	75	285
4	355393	4878915	44.04914162	-64.80514224	102	105	75	282
5	352535	4881591	44.07265317	-64.84154737	94	105	75	274
6	352947	4880733	44.06501502	-64.83616614	103	105	75	283
7	353127	4879845	44.05706019	-64.83367299	89	105	75	269
8	353535	4879208	44.05140955	-64.82840534	91	105	75	271
9	350677	4881957	44.07557039	-64.86484149	89	105	75	269
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Thank you for your time and consideration of this Project. Upon review, should you have any questions, concerns, or identify a need for additional information, please do not hesitate to contact a member of our team and we will follow up with you directly. Your feedback and support in this matter is most appreciated.

Thank you,



Shawn Duncan, BSc.
President
sduncan@strum.com



Scott Dickey, BSc. (Hons), MREM
Manager, Environmental Sciences
sdickey@strum.com



September 19, 2022

Liverpool Police
P.O. Box 1570
Liverpool, NS B0T 1K0

To Whom it may concern,

Re: Mersey River Wind Farm Project
Milton & Liverpool, Nova Scotia

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Thank you for your time and consideration of this Project. Upon review, should you have any questions, concerns, or identify a need for additional information, please do not hesitate to contact a member of our team and we will follow up with you directly. Your feedback and support in this matter is most appreciated.

Thank you,



Shawn Duncan, BSc.
President
sduncan@strum.com



Scott Dickey, BSc. (Hons), MREM
Manager, Environmental Sciences
sdickey@strum.com



January 19, 2021

Your file
Mersey River
Our file
20-4752

Mr. Dan Roscoe
Roswall Development Inc
397 Bedford Rd.
Bedford, NS
B3M 2L3

**RE: Wind Structures: Multiple Meteorological Towers - Liverpool, NS
(See attached document(s))**

Mr. Roscoe,

NAV CANADA has evaluated the captioned proposal and has no objection to the project as submitted. The location and height of MET TOWER 3, will require the following publication change:

- The Obstacle Clearance Circle (OCC) at Liverpool / South Shore Regional Airport (CYAU) must be raised from 1500ft to 1700ft

The subject proposal data have been distributed to External Design Organizations (EDOs) for their assessment of possible effects on procedures they maintain. They will contact you directly if any concerns arise during their evaluation. If you have any questions or concerns pertaining to their assessment, please contact the EDO directly.

While this proposed wind structure is acceptable, it does not constitute NAV CANADA's approval for any other structure at this location such as a wind turbine. The nature and magnitude of electronic interference to NAV CANADA ground-based navigation aids, including RADAR, due to wind turbines depends on the location, configuration, number, and size of turbines; all turbines must be considered together for analysis. The interference of wind turbines to certain navigation aids is cumulative and while initial turbines may be approved, continued development may not always be possible.

In the interest of aviation safety, it is incumbent on NAV CANADA to maintain up-to-date aeronautical publications and issue NOTAM as required. **To assist us in that end, we ask that you notify us at least 10 business days prior to the start of construction and upon removal. These notification requirements can be satisfactorily met by returning completed, signed copies of the attached forms and an Excel copy of the attached spreadsheet** by email at landuse@navcanada.ca or fax at 613-248-4094. In the event that you should decide not to proceed with this project or if the structure is dismantled, please advise us accordingly so that we may formally close the file.

If you have any questions, contact the Land Use Department by email at landuse@navcanada.ca.

NAV CANADA's land use evaluation is based on information known as of the date of this letter and is valid for a period of 18 months, subject to any legislative changes impacting land use submissions. Our assessment is limited to the impact of the proposed physical structure on the air navigation system and installations; it neither constitutes nor replaces any approvals or permits required by Transport Canada, other Federal Government departments, Provincial or Municipal land use authorities or any other agency from which approval is required. Innovation, Science and Economic Development Canada addresses any spectrum management issues that may arise from your proposal and consults with NAV CANADA engineering as deemed necessary.

This document contains information proprietary to NAV CANADA. Any disclosure or use of this information or any reproduction of this document for other than the specific purpose for which it is intended is expressly prohibited except as NAV CANADA may otherwise agree in writing.

Regards,

Land Use Office
NAV CANADA

cc ATLR - Atlantic Region, Transport Canada
CYAU - LIVERPOOL / SOUTH SHORE REGIONAL
Direct Approach
JetPro



Serving a world in motion
Au service d'un
monde en mouvement
navcanada.ca

October 29, 2021

Your file
Mersey River - Crown Land, Milton
Our file
21-4368

Mr. Dan Roscoe
Roswall Development Inc
397 Bedford Rd.
Bedford, NS
B3M 2L3

**RE: Wind Structures: Meteorological Tower - Long Term (2+ years) - Liverpool, NS
(N44° 3' 04.389" W64° 52' 15.706" / 328.1' AGL / 672.5880' AMSL)**

Mr. Roscoe,

NAV CANADA has evaluated the captioned proposal and has no objection to the project as submitted. Our assessment does not constitute an approval and/or permit from other agencies.

The subject proposal data have been distributed to External Design Organizations (EDOs) for their assessment of possible effects on procedures they maintain. They will contact you directly if any concerns arise during their evaluation. If you have any questions or concerns pertaining to their assessment, please contact the EDO directly.

While this proposed wind structure is acceptable, it does not constitute NAV CANADA's approval for any other structure at this location such as a wind turbine. The nature and magnitude of electronic interference to NAV CANADA ground-based navigation aids, including RADAR, due to wind turbines depends on the location, configuration, number, and size of turbines; all turbines must be considered together for analysis. The interference of wind turbines to certain navigation aids is cumulative and while initial turbines may be approved, continued development may not always be possible.

In the interest of aviation safety, it is incumbent on NAV CANADA to maintain up-to-date aeronautical publications and issue NOTAM as required. To assist us in that end, we ask that you notify us at least 10 business days prior to the start of construction and upon removal. These notification requirements can be satisfactorily met by returning completed, signed copies of the attached forms by email at landuse@navcanada.ca or fax at 613-248-4094. In the event that you should decide not to proceed with this project or if the structure is dismantled, please advise us accordingly so that we may formally close the file.

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Regards,

Land Use Office
NAV CANADA

cc ATLR - Atlantic Region, Transport Canada
Direct Approach
JetPro

Land Use Proposal Submission Form – General

NAV CANADA file N° / Ref N°	Transport Canada File N° / Ref N°
-----------------------------	-----------------------------------

GENERAL INFORMATION

Company/Owner Name: Roswall Development Inc.		Contact Person: Mitch Underhay	
Address: 397 Bedford Highway		City: Halifax	Prov: NS
		Postal Code: B3M 2L3	
Tel: [REDACTED]	Cell:	Email: mitch@roswall.ca	
Applicant: Strum Consulting		Contact Person: Scott Dickey	
Address: Railside, 1355 Bedford Highway		City: Bedford	Prov: NS
		Postal Code: B4A 1C5	
Tel: 902-835-5560	Cell:	Email: sdickey@strum.com	

DETAILS OF PROPOSAL

- Please provide the data in the highest degree of accuracy available.
- For geographic coordinates, provide up to four (4) decimal places of a second.
- For ground elevation and tower height, provide up to four (4) decimal places.

Additional document(s) to be submitted:

- Map:** either 1:50,000 Topographical map (<http://atlas.gc.ca/site/english/toporama/index.html>) or a Google Earth map/kmz location of the proposed structure needs to be clearly marked; paper or digital surveys are always welcomed.

Project Identification: Mersey River Wind Farm Project	Nearest Town: Milton
Street Address, etc.: See attached for location details	Province: NS

Geographic Coordinates of Site in NAD 83: Degrees Minutes Seconds Degrees Minutes Seconds
 Lat. N 44 / 04 / 26.76 Long. W 64 / 51 / 54.36 **For submissions containing more than one set of coordinates, please complete the Multiple Obstacle Template and return in Excel format. (Examples: Linear Structures, Wind Farms, Building Corner Coordinates, etc.)**

Type of Structure: Wind Farm	New Structure? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
	A. Ground Elevation (Above Sea Level)	62 - 116	<input type="checkbox"/> ft <input checked="" type="checkbox"/> m
	B. Structure Height Addition	105	<input type="checkbox"/> ft <input checked="" type="checkbox"/> m
	C. Structure Total Height (Above Ground Level) Include all appurtenances	180	<input type="checkbox"/> ft <input checked="" type="checkbox"/> m
	Total Height (Above Sea Level) (A + C)	242 - 296	<input type="checkbox"/> ft <input checked="" type="checkbox"/> m

Cranes to be used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes: Crane details shall be submitted separately using the Land Use Proposal Submission Form – Crane(s).	Approximate Duration of Construction: 12 months
--	---

Proposed Construction Start Date: 15-May-23	If Temporary Structure, indicate Removal Date: 15-May-48
--	--

Comments: See attached letter and drawing for additional details. Once crane data known, details will be submitted separately. 1:60,000 scale drawing provided to detail Project boundary.

Known co-location with/on NAV CANADA Site: Yes No
A Third-Party Submission Form may be required for complex applications, fee applicable.

Applicant/Representative Signature



Print Name

Scott Dickey

Date

07-Oct-22

Acknowledgement of reading [Detailed Land Use Proposal Guidelines](#) (Submitter's Initials) SD

For a detailed description on NAV CANADA's requirements and additional information, refer to the NAV CANADA website at www.navcanada.ca > Aeronautical Information > [Land Use Program](#).

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Please submit by email to landuse@navcanada.ca



October 7, 2022

NAV CANADA

Email: landuse@navcanada.ca

To Whom it may concern,

**Re: Mersey River Wind Farm Project
Milton & Liverpool, Nova Scotia**

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St. John's Office
#E120 - 120 Torbay Road
St. John's, NL A1A 2G8
t. 709.738.8478 (24/7)
f. 709.738.8494

Table 1: Proposed Turbine Locations & Specifications

Turbine ID	Easting (UTM Z20)	Northing (UTM Z20)	Latitude	Longitude	Base of Turbine Elevation (m)	Turbine Hub Height (m)	Blade Length (m)	Total Elevation (m)
1	354581	4881125	44.0688686	-64.8158814	88	105	75	268
2	354805	4880546	44.06370266	-64.81292656	99	105	75	279
3	355211	4879679	44.0559809	-64.80762222	105	105	75	285
4	355393	4878915	44.04914162	-64.80514224	102	105	75	282
5	352535	4881591	44.07265317	-64.84154737	94	105	75	274
6	352947	4880733	44.06501502	-64.83616614	103	105	75	283
7	353127	4879845	44.05706019	-64.83367299	89	105	75	269
8	353535	4879208	44.05140955	-64.82840534	91	105	75	271
9	350677	4881957	44.07557039	-64.86484149	89	105	75	269
10	350251	4882651	44.08172846	-64.87035564	85	105	75	265
11	349960	4883299	44.08749997	-64.87417244	85	105	75	265
12	348746	4883403	44.0881861	-64.88935836	93	105	75	273
13	348221	4884382	44.09688695	-64.8961943	84	105	75	264
14	351694	4879839	44.05671772	-64.85155275	101	105	75	281
15	351945	4878639	44.04596997	-64.84808477	99	105	75	279
16	352259	4877829	44.03874428	-64.84394113	112	105	75	292
17	352698	4887095	44.12221482	-64.84104952	89	105	75	269
18	350328	4878629	44.04555178	-64.86825545	99	105	75	279
19	349934	4878270	44.04224077	-64.87306906	104	105	75	284
20	349538	4880012	44.05783518	-64.87850472	100	105	75	280
21	349125	4880698	44.0639233	-64.88385403	93	105	75	273
22	348013	4880022	44.0576106	-64.8975368	64	105	75	244
23	347744	4880667	44.06335879	-64.90107918	62	105	75	242
24	347435	4881312	44.06909852	-64.90512147	90	105	75	270
25	347209	4881949	44.07478341	-64.90812627	89	105	75	269
26	346079	4881912	44.07421397	-64.92221963	103	105	75	283
27	345927	4882813	44.08228949	-64.92437965	101	105	75	281
28	345645	4883494	44.08835794	-64.92809897	112	105	75	292
29	347128	4884467	44.0974244	-64.90986643	95	105	75	275
30	346787	4885247	44.10437181	-64.91435081	116	105	75	296
31	346316	4885724	44.10856524	-64.92037156	103	105	75	283
32	344724	4884418	44.09647758	-64.93986883	95	105	75	275
33	344471	4885163	44.10312752	-64.94324741	93	105	75	273

Thank you for your time and consideration of this Project. Upon review, should you have any questions, concerns, or identify a need for additional information, please do not hesitate to contact a member of our team and we will follow up with you directly. Your feedback and support in this matter is most appreciated.

Thank you,



Shawn Duncan, BSc.
President
sduncan@strum.com



Scott Dickey, BSc. (Hons), MREM
Manager, Environmental Sciences
sdickey@strum.com

Mersey River Wind Farm

Proposed Transmission Line Elevation



- Proposed Turbine Location
- Project Boundary
- Survey Boundary
- Proposed Substation
- Proposed Power Poles
- Proposed Interconnection Route
- Transportation**
- Road
- Unpaved Road
- Utilities (line)**
- Existing Transmission Lines
- Water Features**
- Mapped Stream
- Mapped Indefinite Stream
- Mapped Wet Area
- Mapped Lakes and Rivers

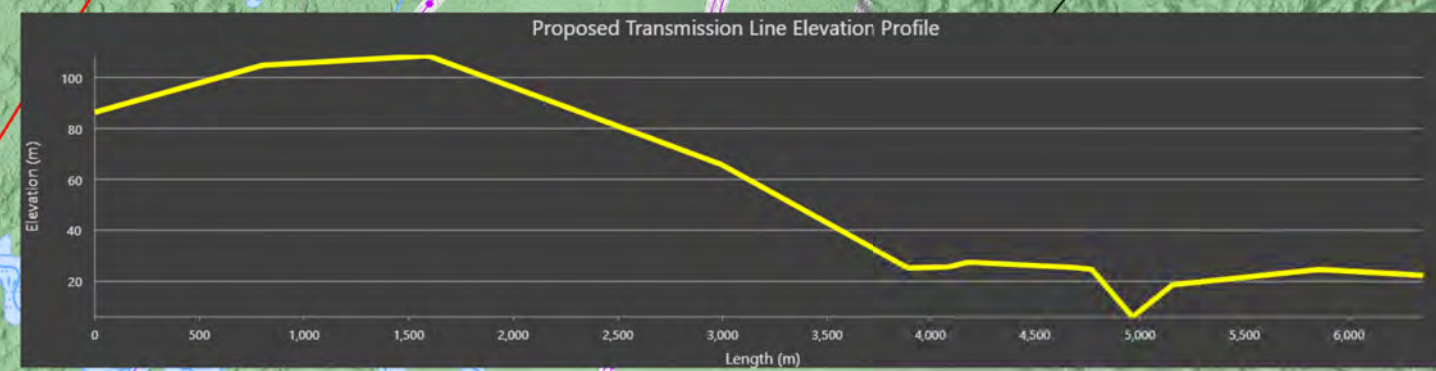
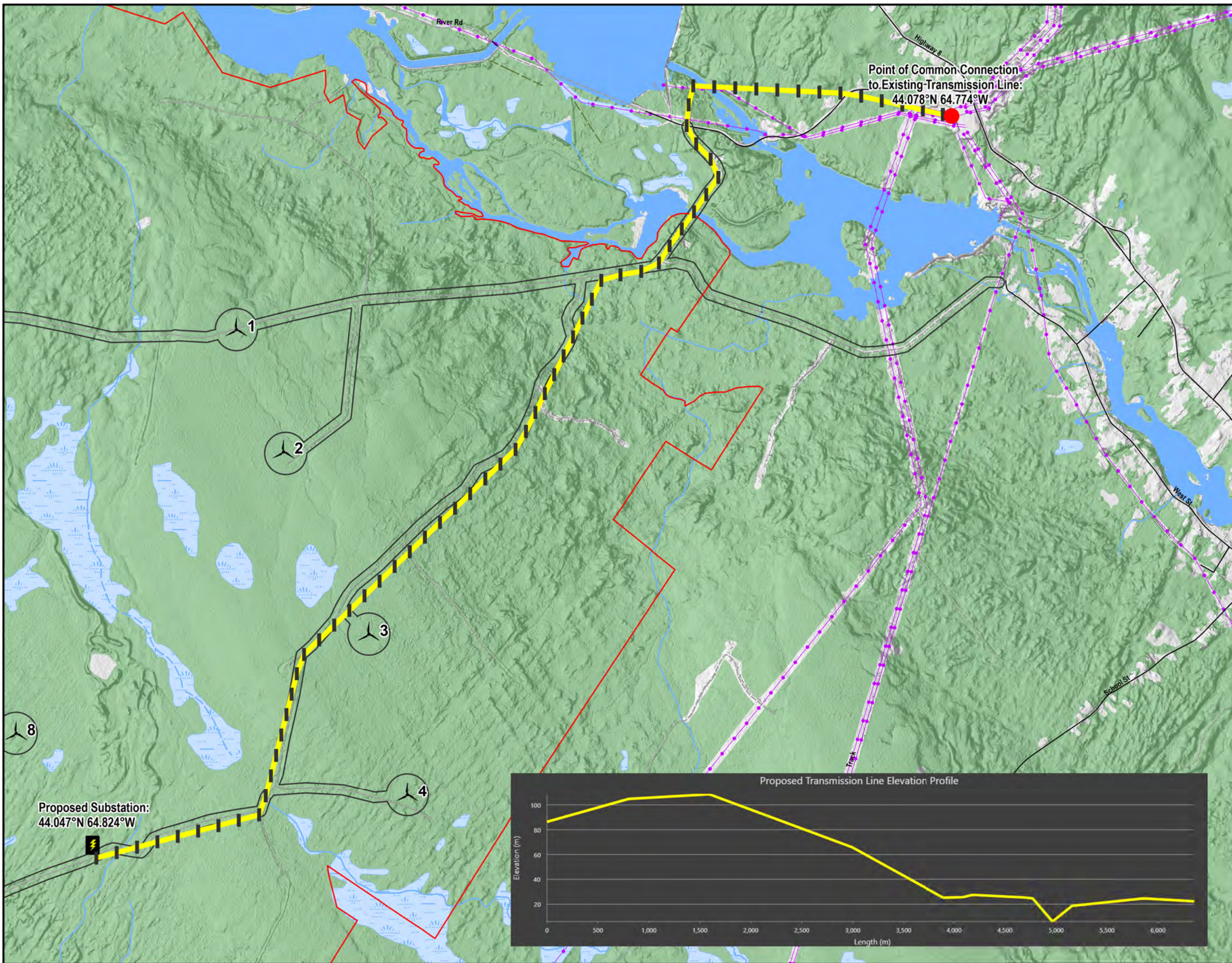


Coordinate System: NAD83 UTM Zone 20N
Sources: ESRI Basemaps, GeoNOVA, NSTD, HERE, Garmin, USGS, NRCAN

Date:	Oct. 2022	Project #:	21-7833
Scale:	1:17,500	Drawing #:	1
Drawn By:	E. Johnson		
Checked By:	S. Dickey		



Engineering - Surveying - Environmental
Bedford - Antigonish - Moncton - St. John's



Proposed Substation:
44.047°N 64.824°W

Point of Common Connection
to Existing Transmission Line:
44.078°N 64.774°W



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Z-LDU-100 Version 20.5 30 July 2020

Obstacle Information for Assessment							Upon completion		
Obstacle ID	LAT dd mm ss.ss	LONG -ddd mm ss.ss	Ground Elevation (Feet)	Structure Height (Feet)	Total Height (Feet)	Crane Swing Radius (Feet)	Lighted Y/N	Painted Y/N	Construction Date
Example 1	60 39 16.59	-110 36 14.01	2162.5001	463.0001	2625.5002		Y	N	15-Jun-07
1	44 04 7.927	-64 48 57.173	288.714	590.5510	879.2650				
2	44 03 49.33	-64 48 46.536	324.803	590.5510	915.3540				
3	44 03 21.531	-64 48 27.44	344.488	590.5510	935.0390				
4	44 02 56.91	-64 48 18.512	334.646	590.5510	925.1970				
5	44 04 21.551	-64 50 29.571	308.399	590.5510	898.9500				
6	44 03 54.054	-64 50 10.198	337.927	590.5510	928.4780				
7	44 03 25.417	-64 50 1.223	291.995	590.5510	882.5460				
8	44 03 5.074	-64 49 42.259	298.556	590.5510	889.1070				
9	44 04 32.053	-64 51 53.429	291.995	590.5510	882.5460				
10	44 04 54.222	-64 52 13.28	278.871	590.5510	869.4220				
11	44 05 15.00	-64 52 27.021	278.871	590.5510	869.4220				
12	44 05 17.47	- 64 53 21.69	305.118	590.5510	895.6690				
13	44 05 48.793	- 64 53 46.299	275.591	590.5510	866.1420				
14	44 03 24.184	- 64 51 5.59	331.365	590.5510	921.9160				
15	44 02 45.492	-64 50 53.105	324.803	590.5510	915.3540				
16	44 02 19.479	- 64 50 38.188	367.454	590.5510	958.0050				
17	44 07 19.973	- 64 50 27.778	291.995	590.5510	882.5460				
18	44 02 43.986	- 64 52 5.72	324.803	590.5510	915.3540				
19	44 02 32.067	- 64 52 23.049	341.207	590.5510	931.7580				
20	44 03 28.207	- 64 52 42.617	328.084	590.5510	918.6350				
21	44 03 50.124	- 64 53 1.875	305.118	590.5510	895.6690				
22	44 03 27.398	- 64 53 51.132	209.974	590.5510	800.5250				
23	44 03 48.092	- 64 54 3.885	203.412	590.5510	793.9630				
24	44 04 8.755	- 64 54 18.437	295.276	590.5510	885.8270				
25	44 04 29.22	- 64 54 29.255	291.995	590.5510	882.5460				
26	44 04 27.17	- 64 55 19.991	337.927	590.5510	928.4780				
27	44 04 56.242	- 64 55 27.767	331.365	590.5510	921.9160				
28	44 05 18.089	- 64 55 41.156	367.454	590.5510	958.0050				
29	44 05 50.728	- 64 54 35.519	311.68	590.5510	902.2310				
30	44 06 15.739	- 64 54 51.663	380.577	590.5510	971.1280				
31	44 06 30.835	- 64 55 13.338	337.927	590.5510	928.4780				
32	44 05 47.319	- 64 56 23.528	311.68	590.5510	902.2310				
33	44 06 11.259	- 64 56 35.691	305.118	590.5510	895.6690				

**Mersey River Wind Farm
High Voltage Transmission Line Path**

Total Length of Line, km: 6.558

	Northing	Eastings	zone	Elevation
Substation Location	4878710	353877	20 (NAD83)	92m
Point of Common Connection to Tx	4882148	357941	20 (NAD83)	22m

Each point below represents a potential 115 KV dual power pole location
Note: There may be points eliminated if the cable span allows, but the path remains the same

Power Line Point	Easting	Northing	UTM Zone	Ground Elevation, m	TX Tower Height, m	Maximum Elevation of Line, m
1	357939.74	4882147.04	20 (NAD83)	23.20	22.5	45.70
2	357842.11	4882168.71	20 (NAD83)	22.64	22.5	45.14
3	357744.49	4882190.39	20 (NAD83)	33.72	22.5	56.22
4	357646.87	4882212.06	20 (NAD83)	33.56	22.5	56.06
5	357549.25	4882233.74	20 (NAD83)	32.64	22.5	55.14
6	357450.66	4882248.27	20 (NAD83)	31.14	22.5	53.64
7	357350.78	4882253.20	20 (NAD83)	31.66	22.5	54.16
8	357250.90	4882258.13	20 (NAD83)	27.46	22.5	49.96
9	357151.03	4882263.05	20 (NAD83)	28.87	22.5	51.37
10	357051.15	4882267.98	20 (NAD83)	32.79	22.5	55.29
11	356951.27	4882272.90	20 (NAD83)	35.79	22.5	58.29
12	356851.39	4882277.83	20 (NAD83)	25.77	22.5	48.27
13	356751.51	4882282.76	20 (NAD83)	28.67	22.5	51.17
14	356729.70	4882192.88	20 (NAD83)	39.67	22.5	62.17
15	356719.98	4882094.12	20 (NAD83)	28.27	22.5	50.77
16	356765.34	4882007.84	20 (NAD83)	29.51	22.5	52.01
17	356834.14	4881935.27	20 (NAD83)	26.74	22.5	49.24
18	356870.59	4881848.91	20 (NAD83)	28.14	22.5	50.64
19	356813.24	4881767.33	20 (NAD83)	29.02	22.5	51.52
20	356755.23	4881685.88	20 (NAD83)	27.01	22.5	49.51
21	356697.21	4881604.43	20 (NAD83)	32.45	22.5	54.95
22	356639.20	4881522.97	20 (NAD83)	31.85	22.5	54.35
23	356588.59	4881440.94	20 (NAD83)	34.99	22.5	57.49
24	356504.58	4881401.02	20 (NAD83)	33.22	22.5	55.72
25	356405.90	4881384.88	20 (NAD83)	31.94	22.5	54.44
26	356314.65	4881358.63	20 (NAD83)	30.18	22.5	52.68
27	356269.94	4881269.18	20 (NAD83)	32.98	22.5	55.48
28	356225.23	4881179.73	20 (NAD83)	34.90	22.5	57.40
29	356180.52	4881090.28	20 (NAD83)	34.54	22.5	57.04
30	356135.81	4881000.84	20 (NAD83)	37.20	22.5	59.70
31	356091.10	4880911.39	20 (NAD83)	48.00	22.5	70.50
32	356046.39	4880821.94	20 (NAD83)	50.21	22.5	72.71
33	356001.68	4880732.49	20 (NAD83)	57.41	22.5	79.91
34	355956.97	4880643.04	20 (NAD83)	65.50	22.5	88.00
35	355907.27	4880557.25	20 (NAD83)	75.50	22.5	98.00
36	355835.52	4880487.59	20 (NAD83)	79.65	22.5	102.15
37	355763.77	4880417.93	20 (NAD83)	79.50	22.5	102.00
38	355692.02	4880348.28	20 (NAD83)	84.79	22.5	107.29
39	355620.27	4880278.62	20 (NAD83)	94.99	22.5	117.49
40	355548.52	4880208.97	20 (NAD83)	102.54	22.5	125.04
41	355476.77	4880139.31	20 (NAD83)	103.54	22.5	126.04
42	355405.02	4880069.66	20 (NAD83)	102.78	22.5	125.28
43	355333.27	4880000.00	20 (NAD83)	102.78	22.5	125.28
44	355261.52	4879930.35	20 (NAD83)	106.80	22.5	129.30
45	355189.76	4879860.69	20 (NAD83)	104.82	22.5	127.32
46	355118.01	4879791.04	20 (NAD83)	105.20	22.5	127.70
47	355046.26	4879721.38	20 (NAD83)	107.00	22.5	129.50
48	354974.51	4879651.73	20 (NAD83)	106.59	22.5	129.09
49	354902.76	4879582.07	20 (NAD83)	108.59	22.5	131.09
50	354868.47	4879490.75	20 (NAD83)	110.45	22.5	132.95
51	354843.87	4879393.82	20 (NAD83)	110.65	22.5	133.15
52	354819.26	4879296.90	20 (NAD83)	111.46	22.5	133.96
53	354794.65	4879199.97	20 (NAD83)	108.86	22.5	131.36
54	354770.04	4879103.05	20 (NAD83)	106.07	22.5	128.57
55	354745.44	4879006.12	20 (NAD83)	104.27	22.5	126.77
56	354720.83	4878909.20	20 (NAD83)	103.61	22.5	126.11
57	354689.60	4878818.83	20 (NAD83)	103.55	22.5	126.05
58	354592.92	4878793.26	20 (NAD83)	104.75	22.5	127.25
59	354496.25	4878767.70	20 (NAD83)	102.44	22.5	124.94
60	354399.57	4878742.14	20 (NAD83)	100.44	22.5	122.94
61	354302.89	4878716.57	20 (NAD83)	101.02	22.5	123.52
62	354206.21	4878691.01	20 (NAD83)	96.73	22.5	119.23
63	354109.54	4878665.44	20 (NAD83)	96.05	22.5	118.55
64	354012.86	4878639.88	20 (NAD83)	94.65	22.5	117.15
65	353916.18	4878614.31	20 (NAD83)	92.61	22.5	115.11



General Mailbox <general@strum.com>

Re: 22-3727: Mersey River Wind Farm Project

Courtney Morrison <cmorrison@strum.com>
To: "Pinard, Paul" <Paul.Pinard@navcanada.ca>
Cc: General Mailbox <general@strum.com>, Scott Dickey <sdickey@strum.com>

Tue, Jan 10, 2023 at 5:40 PM

Hi Paul,

Please find attached Met Tower locations. Let me know if you have any questions.

Best,

Courtney Morrison, MREM (she/her)

Community Engagement Coordinator



Engineering • Surveying • Environmental

Bedford • Antigonish • Moncton • St. John's

Head Office:

Railside, [1355 Bedford Highway](#)
[Bedford, NS B4A 1C5](#)

Tel: 902.835.5560 (24/7)
Fax: 902.835.5574

Cell: 902.293.4914 (call/text)

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On Sat, Oct 8, 2022 at 2:01 PM Courtney Morrison <cmorrison@strum.com> wrote:

Hi Paul,

Here are the requested spreadsheets. Scott will circle back with you able MET towers.

Have a great Thanksgiving!

Courtney Morrison, MREM (she/her)

Community Engagement Coordinator

Note: Out of Office Oct 8 - 16



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On Fri, Oct 7, 2022 at 4:05 PM Pinard, Paul <Paul.Pinard@navcanada.ca> wrote:

Hi / Bonjour

La version française figure ci-dessous / French Text Follows

Thank you for your submission, your previous Land Use file 21-4367 (previous layout) has been replaced with Land Use file number is 22-3727. Please reference this new number for all transactions on this submission.

Can you please provide me with the Excel spreadsheets for both the transmission line and wind turbines? Can you also confirm if there are any Met Tower(s) that are currently erected for this project

At NAV CANADA, we are currently working on different ways to diminish our turnaround times. Please note that we currently have the following time frame published on our website:

Processing times vary, but NAV CANADA attempts to respond within 8 to 12 weeks of receiving a complete proposal. The accuracy and completeness of the initial documentation and your cooperation and promptness in remedying deficiencies or inaccuracies will help to expedite the review process.

If you have any questions or would like an update of your file, please do not hesitate to contact us.

Merci pour votre soumission. Votre numéro de dossier d'utilisation de terrain est 22-3727. Veuillez mentionner ce numéro pour toutes les transactions reliées sur cette soumission.

Chez NAV CANADA, nous travaillons actuellement sur différentes façons de réduire nos délais d'exécution. Veuillez noter que nous avons actuellement le délai suivant publié sur notre site Web:

Les délais de traitement varient selon l'exhaustivité et l'exactitude des renseignements soumis et selon la complexité du projet. En général, NAV CANADA tente de répondre dans un délai de 8 à 12 semaines.

N'hésitez pas à nous contacter si vous avez des questions ou souhaitez une mise à jour de votre dossier.

Regards / Merci,

Paul W. Pinard

Land Use Specialist Supervisor | Superviseur des Spécialiste d'utilisation de terrains

AERONAUTICAL INFORMATION MANAGEMENT (AIM) NAV CANADA

Personal: pinardp@navcanada.ca

Group: landuse@navcanada.ca

1601 avenue Tom Roberts Avenue Ottawa, ON K1V 1E5

T. 613-248-4121 / F. 613-248-4094

www.navcanada.ca



From: General Mailbox <general@strum.com>
Sent: 7-Oct-22 12:50 PM
To: Land Use <LandUse@navcanada.ca>
Cc: Scott Dickey <sdickey@strum.com>
Subject: [EXT] Mersey River Wind Farm Project

Good afternoon,

Please find attached a notification letter for the proposed Mersey River Wind Farm development located near the communities of Milton and Liverpool within Queens County, Nova Scotia. A confirmation of receipt would be greatly appreciated. For questions or comments, kindly contact the undersigned.

Thank you,

Courtney Morrison (she/her)

Community Engagement Coordinator



Engineering • Surveying • Environmental

Bedford • Antigonish • Moncton • St. John's

Email: general@strum.com

Tel: 902.835.5560 (24/7)

Fax: 902.835.5574

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81K



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Z-LDU-100 Version 20.5 30 July 2020

Obstacle Information for Assessment							Upon completion		
Obstacle ID	LAT dd mm ss.ss	LONG -ddd mm ss.ss	Ground Elevation (Feet)	Structure Height (Feet)	Total Height (Feet)	Crane Swing Radius (Feet)	Lighted Y/N	Painted Y/N	Construction Date
Example 1	60 39 16.59	-110 36 14.01	2162.5001	463.0001	2625.5002		Y	N	15-Jun-07
Met Tower 1	44 4 14.91	-64 50 15.47	344	196.9000	540.9000		Y	N	1-Feb-21
Met Tower 2	44 3 4.389	-64 52 15.706	344.488	328.1000	672.5880		Y	N	10-Oct-21



September 19, 2022

Ms. Heather Allen-Johnson
NCS Managed Services
Email: heather@ncsnetwork.net

Dear Ms. Allen-Johnson,

Re: Mersey River Wind Farm Project
Milton & Liverpool, Nova Scotia

Strum Consulting, a Nova Scotia-based environmental and engineering consulting firm, has been retained by Roswall Developments Inc. (our client) to support with the proposed Mersey River Wind Farm (the "Project") within Queens County, Nova Scotia.

On behalf of our client, Strum is conducting an electromagnetic interference ("EMI") study on the placement of 33 wind turbines within the Mersey River watershed, located near the communities of Milton and Liverpool, Nova Scotia.

As an aspect of our investigation, we would like to formally consult with you on the Project and provide a discussion opportunity with respect to the proposed turbine layout.

More specifically, Strum is soliciting feedback, details, and specifications of existing operations from stakeholders to determine if there would be any potential interference with your existing operations as a result of the proposed wind turbine installations. The turbine specifications are as follows:

- Total of 33 turbines
- Tip height of each turbine is 180 metres
- Hub height of each turbine is 105 metres
- 3-blade rotor; turbine blade sweep diameter is 150 metres (blade length is 75 metres)

A map showing the proposed locations of the turbines is attached (Drawing 1); and a summary of the proposed turbine details, including coordinates and elevations, is provided in Table 1, below.

Engineering • Surveying • Environmental

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f. 902.835.5574

Antigonish Office
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Antigonish, NS B2G 2X3
t. 902.863.1465 (24/7)
f. 902.863.1389

Moncton Office
45 Price Street
Moncton, NB E1A 3R1
t. 1.855.770.5560 (24/7)
f. 902.835.5574

St. John's Office
#E120 - 120 Torbay Road
St. John's, NL A1A 2G8
t. 709.738.8478 (24/7)
f. 709.738.8494

Table 1: Proposed Turbine Locations & Specifications

Turbine ID	Easting (UTM Z20)	Northing (UTM Z20)	Latitude	Longitude	Base of Turbine Elevation (m)	Turbine Hub Height (m)	Blade Length (m)	Total Elevation (m)
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Thank you,



Shawn Duncan, BSc.
President
sduncan@strum.com



Scott Dickey, BSc. (Hons), MREM
Manager, Environmental Sciences
sdickey@strum.com



General Mailbox <general@strum.com>

Re: Mersey River Wind Farm Project

Scott Dickey <sdickey@strum.com>

Tue, Sep 20, 2022 at 4:05 PM

To: Heather - NCS Managed Services Inc <heather@ncsnetwork.net>

Cc: General Mailbox <general@strum.com>

Hello Heather

This project is proceeding under the Renewable to Retail model, and off takers for the power, as well as capital investors have made commitments. The project will be proceeding to an environmental assessment registration early next month.

Hope that helps

Thank you

Scott

On Tue, Sep 20, 2022 at 3:30 PM Heather - NCS Managed Services Inc <heather@ncsnetwork.net> wrote:

Good Afternoon,

Has this project been awarded any funding to proceed or just in planning stages?

Thank you

Heather Allen-Johnson

NCS Managed Services Inc.

heather@ncsnetwork.net

Phone or Text 902-890-0669 Monday-Friday 9AM-5PM

*****PLEASE NOTE IF YOU ARE EXPERIENCING ISSUES WITH YOUR INTERNET CONNECTION CALL 1-877-473-3660 OPTION 103*****

From: General Mailbox <general@strum.com>**Sent:** September 20, 2022 3:08 PM**To:** Heather - NCS Managed Services Inc <heather@ncsnetwork.net>**Cc:** Scott Dickey <sdickey@strum.com>**Subject:** Mersey River Wind Farm Project

Good afternoon Ms. Allen-Johnson,



September 19, 2022

Royal Canadian Mounted Police

Email: Windfarm_Coordinator@rcmp-grc.gc.ca

To Whom it may concern,

**Re: Mersey River Wind Farm Project
Milton & Liverpool, Nova Scotia**

Strum Consulting, a Nova Scotia-based environmental and engineering consulting firm, has been retained by Roswall Developments Inc. (our client) to support with the proposed Mersey River Wind Farm (the "Project") within Queens County, Nova Scotia.

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Thank you,



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President
sduncan@strum.com



Scott Dickey, BSc. (Hons), MREM
Manager, Environmental Sciences
sdickey@strum.com



Protected A

Courtney Morrison
Strum

GV 1620-7-3

September 28, 2022

SUBJECT: Mersey River Wind Farm Project

Ref. # 2022-09-20_0011

Greetings,

Reference is made to your email request dated September 20, 2022, on your plans for the wind farm project called "Mersey River" in the province of Nova Scotia.

According to the Radio Advisory Board of Canada (RABC) and Canadian Wind Energy Association (CanWea), the radius of the consultation zone for fixed Land Mobile Radio (LMR) sites is 1 km. The RCMP currently have no "owned" radio towers or Point-To-Point (PTP) microwave links in this area.

However, the **surrounding area is receiving radio coverage from TMR2** operated as a leased system through Bell Canada. We do recommend that you request coordination with Bell who are acting on behalf of RCMP in the province of Nova Scotia with leased towers.

Should you require additional information, please direct any questions or concerns to the undersigned.

Sincerely,

Phil Tanguay

Wind Farm Coordinator, National Radio Services
Royal Canadian Mounted Police (RCMP) / Government of Canada
windfarm_coordinator@rcmp-grc.gc.ca / Tel: 343-552-1290

Coordonnateur parc éolien, Services de radio nationaux
Gendarmerie royale du Canada (GRC) / Gouvernement du Canada
windfarm_coordinator@rcmp-grc.gc.ca / Tél: 343-552-1290



September 19, 2022

Rogers Communications Inc.
333 Bloor Street East, 10th Floor
Toronto, ON M4W 1G9

To Whom It May Concern:

**Re: Mersey River Wind Farm Project
Milton & Liverpool, Nova Scotia**

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sduncan@strum.com



Scott Dickey, BSc. (Hons), MREM
Manager, Environmental Sciences
sdickey@strum.com



September 19, 2022

Seaside Communications

1318 Grand Lake Road
P.O. Box # 4558
Reserve Mines, NS B1E 1L2

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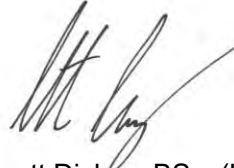
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Manager, Environmental Sciences
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APPENDIX O
SHADOW FLICKER

SHADOW - Main Result

Calculation: Mersey - Worst Case - Shadow - Dec 2022
 Assumptions for shadow calculations

Maximum distance for influence
 Calculate only when more than 20 % of sun is covered by the blade
 Please look in WTG table

Minimum sun height over horizon for influence 3 °
 Day step for calculation 1 days
 Time step for calculation 1 minutes

Sunshine probability S (Average daily sunshine hours) [KENTVILLE]
 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
 2.53 3.50 4.28 4.96 6.33 7.24 7.51 7.27 5.85 4.44 2.81 1.86

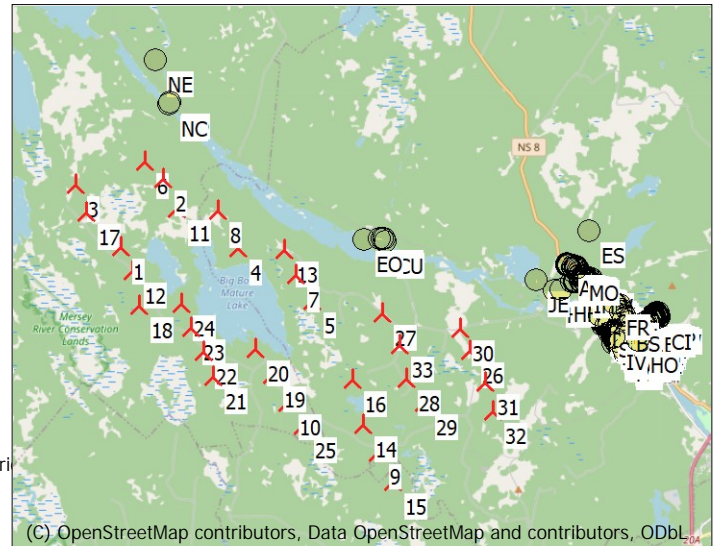
No operational time reduction. It is assumed the WTGs are always running with worst case wind direction.

A ZVI (Zones of Visual Influence) calculation is performed before flicker calculation so non visible WTG do not contribute to calculated flicker values. A WTG will be visible if it is visible from any part of the receiver window. The ZVI calculation is based on the following assumptions:

Height contours used: Elevation Grid Data Object: 21_7833_Mersey_WindFarm_EMDGrid
 Obstacles used in calculation
 Receptor grid resolution: 1.0 m

All coordinates are in UTM (north)-NAD83 (US+CA) Zone: 20

WTGs



Scale 1:200,000
 New WTG Shadow receptor

WTG ID	Easting	Northing	Z	Row data/Description	WTG type		Shadow data					
					Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Calculation distance [m]	RPM
1	345,645	4,883,494	112.3	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
2	346,787	4,885,247	115.6	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
3	344,471	4,885,163	93.0	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
4	348,746	4,883,403	92.5	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
5	350,677	4,881,957	88.7	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
6	346,316	4,885,724	103.0	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
7	350,251	4,882,651	85.2	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
8	348,221	4,884,382	84.2	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
9	352,315	4,877,882	113.3	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
10	349,934	4,879,270	103.7	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
11	347,128	4,884,467	94.6	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
12	345,927	4,882,813	100.9	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
13	349,960	4,883,299	85.1	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
14	351,945	4,878,639	99.2	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
15	352,698	4,877,095	89.0	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
16	351,694	4,879,839	100.9	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
17	344,724	4,884,418	95.3	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
18	346,079	4,881,912	102.9	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
19	349,538	4,880,012	100.3	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
20	349,125	4,880,695	93.2	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
21	348,013	4,880,022	93.6	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
22	347,744	4,880,667	91.6	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
23	347,435	4,881,312	89.9	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
24	347,209	4,881,949	89.4	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
25	350,328	4,878,629	99.4	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
26	354,805	4,880,546	98.5	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
27	352,535	4,881,591	94.1	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
28	353,127	4,879,845	89.1	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
29	353,535	4,879,208	91.1	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
30	354,581	4,881,125	87.7	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
31	355,211	4,879,679	105.1	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
32	355,393	4,878,915	101.6	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0
33	352,947	4,880,733	102.5	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: ...Yes	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	2,500	0.0

SHADOW - Main Result

Calculation: Mersey - Worst Case - Shadow - Dec 2022

Shadow receptor-Input

No.	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
			[m]	[m]	[m]	[m]	[°]		[m]
A	359,516	4,881,107	19.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
B	358,582	4,881,108	6.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
C	359,086	4,881,113	23.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
D	359,448	4,881,114	22.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
E	359,607	4,881,115	20.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
F	359,420	4,881,116	23.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
G	359,636	4,881,117	21.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
H	358,861	4,881,117	8.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
I	358,489	4,881,118	8.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
J	359,492	4,881,120	20.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
K	359,528	4,881,120	19.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
L	359,427	4,881,123	22.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
M	359,455	4,881,125	22.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
N	358,409	4,881,127	7.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
O	358,464	4,881,132	8.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
P	359,061	4,881,132	22.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
Q	359,466	4,881,137	22.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
R	358,399	4,881,140	7.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
S	358,442	4,881,142	7.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
T	359,440	4,881,142	21.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
U	359,552	4,881,146	20.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
V	358,356	4,881,148	8.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
W	358,507	4,881,151	7.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
X	359,535	4,881,155	20.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
Y	359,412	4,881,156	21.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
Z	359,059	4,881,164	19.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AA	359,427	4,881,169	21.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AB	357,411	4,882,792	37.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AC	358,366	4,881,173	7.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AD	359,590	4,881,174	24.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AE	359,003	4,881,175	20.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AF	358,483	4,881,179	6.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AG	358,769	4,881,181	7.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AH	359,589	4,881,181	24.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AI	359,453	4,881,186	22.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AJ	359,476	4,881,188	21.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AK	358,793	4,881,188	8.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AL	358,383	4,881,192	7.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AM	359,493	4,881,196	21.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AN	358,506	4,881,199	5.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AO	359,547	4,881,202	22.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AP	359,033	4,881,203	19.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AQ	359,065	4,881,203	18.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AR	359,413	4,881,206	23.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AS	359,080	4,881,208	18.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AT	359,535	4,881,209	22.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AU	359,468	4,881,211	23.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AV	359,490	4,881,217	21.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AW	359,651	4,881,218	22.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AX	359,547	4,881,219	23.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AY	358,391	4,881,219	7.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
AZ	358,896	4,881,220	14.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BA	358,405	4,881,220	5.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BB	359,568	4,881,220	24.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BC	359,636	4,881,223	22.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BD	359,095	4,881,227	19.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BE	359,143	4,881,227	22.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BF	359,533	4,881,229	23.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BG	358,287	4,881,231	8.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BH	358,805	4,881,238	10.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BI	358,749	4,881,239	8.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BJ	358,951	4,881,241	18.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BK	359,003	4,881,244	18.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BL	359,529	4,881,244	24.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BM	359,674	4,881,244	24.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0

To be continued on next page...

SHADOW - Main Result

Calculation: Mersey - Worst Case - Shadow - Dec 2022

...continued from previous page

No.	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
			[m]	[m]	[m]	[m]	[°]		[m]
BN	359,714	4,881,245	24.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BO	358,365	4,881,250	7.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BP	358,299	4,881,251	8.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BQ	359,622	4,881,251	22.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BR	358,811	4,881,258	11.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BS	358,913	4,881,266	18.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BT	359,646	4,881,269	25.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BU	359,673	4,881,274	26.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BV	359,541	4,881,277	24.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BW	359,006	4,881,279	19.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BX	358,257	4,881,281	9.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BY	359,624	4,881,281	27.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
BZ	359,666	4,881,282	26.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CA	358,881	4,881,289	17.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CB	359,670	4,881,292	26.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CC	358,776	4,881,294	12.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CD	359,646	4,881,294	27.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CE	358,911	4,881,294	17.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CF	358,345	4,881,297	8.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CG	358,808	4,881,300	13.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CH	358,241	4,881,301	9.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CI	359,850	4,881,302	26.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CJ	358,979	4,881,304	19.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CK	358,791	4,881,304	12.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CL	359,736	4,881,305	24.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CM	358,439	4,881,306	6.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CN	358,450	4,881,306	6.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CO	359,678	4,881,309	27.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CP	358,232	4,881,310	9.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CQ	358,280	4,881,314	8.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CR	358,877	4,881,314	19.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CS	358,260	4,881,314	8.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CT	358,918	4,881,315	18.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CU	352,631	4,883,479	41.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CV	358,339	4,881,317	8.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CW	359,806	4,881,319	26.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CX	358,454	4,881,320	7.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CY	358,997	4,881,321	18.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
CZ	359,028	4,881,325	20.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DA	358,962	4,881,326	18.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DB	359,780	4,881,326	25.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DC	358,435	4,881,327	6.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DD	359,757	4,881,328	24.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DE	358,261	4,881,329	8.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DF	359,659	4,881,330	26.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DG	358,899	4,881,335	19.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DH	358,450	4,881,336	7.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DI	358,851	4,881,345	19.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DJ	358,824	4,881,347	19.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DK	359,781	4,881,347	27.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DL	359,836	4,881,350	28.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DM	358,946	4,881,351	18.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DN	359,808	4,881,354	28.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DO	358,914	4,881,368	18.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DP	359,818	4,881,371	28.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DQ	359,680	4,881,372	27.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DR	359,747	4,881,374	28.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DS	358,937	4,881,375	19.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DT	359,695	4,881,375	28.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DU	358,972	4,881,380	18.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DV	358,900	4,881,380	18.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DW	359,719	4,881,381	27.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DX	359,762	4,881,381	29.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DY	358,275	4,881,391	8.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
DZ	358,888	4,881,398	19.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0

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SHADOW - Main Result

Calculation: Mersey - Worst Case - Shadow - Dec 2022

...continued from previous page

No.	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
			[m]	[m]	[m]	[m]	[°]		[m]
EA	358,954	4,881,398	19.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
EB	359,777	4,881,399	30.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
EC	358,267	4,881,401	8.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
ED	358,903	4,881,402	18.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
EE	359,744	4,881,406	29.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
EF	359,747	4,881,421	30.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
EG	358,926	4,881,425	18.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
EH	358,816	4,881,427	18.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
EI	359,808	4,881,434	30.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
EJ	359,767	4,881,436	31.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
EK	358,780	4,881,450	16.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
EL	358,749	4,881,450	14.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
EM	358,309	4,881,451	7.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
EN	358,854	4,881,478	19.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
EO	352,066	4,883,534	33.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
EP	352,563	4,883,541	41.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
EQ	352,599	4,883,543	46.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
ER	352,477	4,883,560	37.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
ES	358,035	4,883,628	90.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
ET	358,881	4,881,495	19.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
EU	358,812	4,881,496	17.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
EV	358,847	4,881,514	18.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
EW	358,576	4,881,516	9.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
EX	358,860	4,881,526	17.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
EY	358,868	4,881,535	17.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
EZ	358,843	4,881,570	16.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FA	358,828	4,881,585	15.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FB	358,844	4,881,591	15.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FC	358,955	4,880,391	9.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FD	358,918	4,880,408	8.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FE	358,934	4,880,428	9.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FF	358,791	4,881,608	16.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FG	358,739	4,881,634	16.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FH	358,801	4,881,647	16.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FI	358,588	4,881,651	13.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FJ	358,721	4,881,679	17.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FK	358,652	4,881,682	15.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FL	358,917	4,880,468	9.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FM	358,874	4,880,488	9.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FN	358,880	4,880,488	9.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FO	358,896	4,880,494	9.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FP	358,934	4,880,507	8.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FQ	358,875	4,880,508	9.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FR	358,653	4,881,716	16.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FS	358,459	4,881,757	17.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FT	358,424	4,881,768	20.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FU	358,380	4,881,781	19.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FV	358,477	4,881,791	19.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FW	358,359	4,881,792	20.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FX	358,436	4,881,803	22.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FY	358,421	4,881,809	20.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
FZ	358,300	4,881,854	23.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GA	358,392	4,881,861	22.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GB	358,397	4,881,874	22.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GC	358,380	4,881,878	22.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GD	358,331	4,881,898	22.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GE	358,906	4,880,536	8.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GF	358,899	4,880,549	8.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GG	358,864	4,880,588	8.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GH	358,816	4,880,590	10.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GI	359,253	4,880,593	9.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GJ	358,769	4,880,593	10.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GK	358,851	4,880,598	7.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GL	358,729	4,880,602	8.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GM	358,783	4,880,608	10.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0

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Project:

21_7833_Mersey **Rive** Wind Farm

Licensed user:

Strum Consulting
1355 Bedford Highway
CA-BEDFORD B4A1C5
902.835.5560 (24/7)
Eric Johnson / ejohnson@strum.com
Calculated:
2022-12-16 11:06 AM/3.5.552

SHADOW - Main Result

Calculation: Mersey - Worst Case - Shadow - Dec 2022

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No.	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
			[m]	[m]	[m]	[m]	[°]		[m]
GN	358,300	4,881,909	21.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GO	358,221	4,882,029	22.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GP	358,158	4,882,075	24.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GQ	358,182	4,882,076	25.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GR	358,839	4,880,622	6.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GS	358,818	4,880,633	7.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GT	358,751	4,880,637	8.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GU	359,318	4,880,644	10.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GV	359,270	4,880,646	10.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GW	358,608	4,880,652	7.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GX	359,380	4,880,653	12.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GY	359,304	4,880,661	11.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
GZ	358,785	4,880,662	6.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HA	358,768	4,880,674	6.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HB	358,713	4,880,676	9.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HC	359,361	4,880,679	12.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HD	358,697	4,880,682	8.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HE	357,080	4,882,085	17.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HF	357,267	4,882,094	22.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HG	357,268	4,882,110	22.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HH	358,081	4,882,138	29.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HI	357,953	4,882,200	25.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HJ	359,284	4,880,691	11.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HK	358,744	4,880,703	6.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HL	358,708	4,880,705	6.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HM	358,691	4,880,705	6.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HN	359,342	4,880,709	13.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HO	359,269	4,880,730	13.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HP	359,344	4,880,733	13.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HQ	359,314	4,880,737	14.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HR	359,243	4,880,744	12.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HS	358,644	4,880,758	7.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HT	358,717	4,880,759	6.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HU	359,342	4,880,760	14.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HV	357,859	4,882,228	25.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HW	358,023	4,882,290	30.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HX	357,639	4,882,292	25.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HY	357,540	4,882,294	25.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
HZ	357,661	4,882,297	24.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IA	358,083	4,882,303	31.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IB	358,012	4,882,304	30.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IC	357,628	4,882,306	25.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
ID	357,761	4,882,314	24.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IE	357,916	4,882,317	26.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IF	357,659	4,882,318	24.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IG	357,874	4,882,320	26.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IH	357,809	4,882,324	26.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
II	357,853	4,882,336	26.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IJ	359,233	4,880,761	13.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IK	359,201	4,880,776	13.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IL	359,215	4,880,786	14.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IM	358,660	4,880,787	8.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IN	358,915	4,880,789	5.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IO	359,257	4,880,792	15.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IP	358,708	4,880,798	5.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IQ	359,524	4,880,805	14.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IR	359,143	4,880,807	14.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IS	358,693	4,880,813	6.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IT	359,233	4,880,823	16.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IU	359,275	4,880,824	15.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IV	358,634	4,880,826	10.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IW	358,599	4,880,829	8.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IX	359,112	4,880,831	13.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IY	359,477	4,880,836	16.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
IZ	359,558	4,880,836	15.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0

To be continued on next page...

SHADOW - Main Result

Calculation: Mersey - Worst Case - Shadow - Dec 2022

...continued from previous page

No.	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
			[m]	[m]	[m]	[m]	[°]		[m]
JA	359,132	4,880,840	14.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JB	358,068	4,882,359	31.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JC	358,028	4,882,365	31.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JD	358,083	4,882,371	32.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JE	356,623	4,882,379	18.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JF	358,040	4,882,380	31.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JG	358,052	4,882,385	31.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JH	357,922	4,882,386	29.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JI	357,897	4,882,393	30.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JJ	357,886	4,882,412	30.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JK	357,851	4,882,414	30.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JL	357,814	4,882,421	29.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JM	357,845	4,882,422	30.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JN	357,868	4,882,427	30.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JO	357,738	4,882,444	28.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JP	358,606	4,880,849	9.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JQ	358,618	4,880,854	10.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JR	359,409	4,880,854	16.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JS	359,392	4,880,857	16.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JT	359,396	4,880,861	16.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JU	359,451	4,880,862	15.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JV	358,675	4,880,868	6.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JW	359,183	4,880,869	17.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JX	359,070	4,880,873	16.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JY	359,525	4,880,876	17.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
JZ	359,269	4,880,883	17.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KA	359,426	4,880,884	16.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KB	358,577	4,880,884	7.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KC	359,166	4,880,887	17.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KD	359,086	4,880,888	16.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KE	358,666	4,880,889	5.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KF	359,263	4,880,893	17.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KG	359,208	4,880,896	17.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KH	358,703	4,880,896	5.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KI	359,284	4,880,897	17.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KJ	358,842	4,880,898	7.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KK	359,522	4,880,900	17.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KL	359,540	4,880,900	17.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KM	359,201	4,880,903	18.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KN	358,666	4,880,903	6.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KO	358,659	4,880,911	6.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KP	359,069	4,880,912	18.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KQ	359,491	4,880,916	19.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KR	358,832	4,880,916	7.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KS	359,117	4,880,918	18.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KT	357,824	4,882,449	29.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KU	357,750	4,882,465	29.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KV	357,712	4,882,521	32.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KW	359,051	4,880,925	19.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KX	358,498	4,880,926	6.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KY	359,127	4,880,939	18.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
KZ	358,595	4,880,940	7.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LA	359,578	4,880,956	15.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LB	359,500	4,880,956	19.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LC	359,037	4,880,962	20.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LD	359,457	4,880,967	21.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LE	358,825	4,880,979	8.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LF	359,257	4,880,981	19.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LG	359,099	4,880,988	20.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LH	359,460	4,880,992	21.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LI	359,410	4,880,994	21.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LJ	358,638	4,880,998	6.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LK	359,249	4,881,008	19.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LL	359,027	4,881,010	20.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LM	359,301	4,881,014	24.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0

To be continued on next page...

SHADOW - Main Result

Calculation: Mersey - Worst Case - Shadow - Dec 2022

...continued from previous page

No.	Easting	Northing	Z	Width	Height	Elevation a.g.l.	Slope of window	Direction mode	Eye height (ZVI) a.g.l.
			[m]	[m]	[m]	[m]	[°]		[m]
LN	358,573	4,881,014	6.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LO	359,300	4,881,025	23.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LP	359,081	4,881,029	22.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LQ	358,616	4,881,041	6.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LR	357,755	4,882,554	35.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LS	357,708	4,882,613	36.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LT	357,688	4,882,639	37.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LU	357,702	4,882,647	37.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LV	358,520	4,881,045	7.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LW	358,550	4,881,053	7.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LX	359,320	4,881,055	23.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LY	359,444	4,881,058	23.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
LZ	359,398	4,881,058	23.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MA	358,840	4,881,061	6.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MB	358,510	4,881,065	7.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MC	359,366	4,881,075	24.7	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MD	359,389	4,881,083	24.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
ME	358,842	4,881,083	6.8	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MF	358,497	4,881,085	9.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MG	359,076	4,881,086	22.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MH	359,105	4,881,087	22.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MI	359,475	4,881,093	23.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MJ	359,426	4,881,094	23.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MK	359,511	4,881,099	20.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
ML	358,486	4,881,101	8.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MM	358,464	4,881,103	8.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MN	359,067	4,881,106	23.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MO	357,696	4,882,652	37.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MP	357,707	4,882,652	37.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MQ	357,609	4,882,658	34.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MR	357,674	4,882,674	37.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MS	357,590	4,882,676	33.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MT	357,687	4,882,689	37.3	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MU	357,656	4,882,695	36.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MV	357,625	4,882,718	35.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MW	357,467	4,882,726	36.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MX	357,433	4,882,740	36.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MY	357,479	4,882,753	36.0	1.0	1.0	1.0	90.0	"Green house mode"	2.0
MZ	357,449	4,882,762	36.4	1.0	1.0	1.0	90.0	"Green house mode"	2.0
NA	357,468	4,882,767	36.2	1.0	1.0	1.0	90.0	"Green house mode"	2.0
NB	357,410	4,882,769	36.5	1.0	1.0	1.0	90.0	"Green house mode"	2.0
NC	346,982	4,887,244	37.9	1.0	1.0	1.0	90.0	"Green house mode"	2.0
ND	347,013	4,887,260	41.6	1.0	1.0	1.0	90.0	"Green house mode"	2.0
NE	346,673	4,888,391	49.1	1.0	1.0	1.0	90.0	"Green house mode"	2.0

Calculation Results

Shadow receptor

No.	Shadow, worst case			Shadow, expected values
	Shadow hours per year [h/year]	Shadow days per year [days/year]	Max shadow hours per day [h/day]	Shadow hours per year [h/year]
A	0:00	0	0:00	0:00
B	0:00	0	0:00	0:00
C	0:00	0	0:00	0:00
D	0:00	0	0:00	0:00
E	0:00	0	0:00	0:00
F	0:00	0	0:00	0:00
G	0:00	0	0:00	0:00
H	0:00	0	0:00	0:00
I	0:00	0	0:00	0:00
J	0:00	0	0:00	0:00
K	0:00	0	0:00	0:00
L	0:00	0	0:00	0:00
M	0:00	0	0:00	0:00

To be continued on next page...

Project:

21_7833_Mersey **River** Wind Farm

Licensed user:

Strum Consulting
1355 Bedford Highway
CA-BEDFORD B4A1C5
902.835.5560 (24/7)
Eric Johnson / ejohnson@strum.com
Calculated:
2022-12-16 11:06 AM/3.5.552

SHADOW - Main Result

Calculation: Mersey - Worst Case - Shadow - Dec 2022

...continued from previous page

No.	Shadow, worst case			Shadow, expected values
	Shadow hours per year [h/year]	Shadow days per year [days/year]	Max shadow hours per day [h/day]	Shadow hours per year [h/year]
N	0:00	0	0:00	0:00
O	0:00	0	0:00	0:00
P	0:00	0	0:00	0:00
Q	0:00	0	0:00	0:00
R	0:00	0	0:00	0:00
S	0:00	0	0:00	0:00
T	0:00	0	0:00	0:00
U	0:00	0	0:00	0:00
V	0:00	0	0:00	0:00
W	0:00	0	0:00	0:00
X	0:00	0	0:00	0:00
Y	0:00	0	0:00	0:00
Z	0:00	0	0:00	0:00
AA	0:00	0	0:00	0:00
AB	0:00	0	0:00	0:00
AC	0:00	0	0:00	0:00
AD	0:00	0	0:00	0:00
AE	0:00	0	0:00	0:00
AF	0:00	0	0:00	0:00
AG	0:00	0	0:00	0:00
AH	0:00	0	0:00	0:00
AI	0:00	0	0:00	0:00
AJ	0:00	0	0:00	0:00
AK	0:00	0	0:00	0:00
AL	0:00	0	0:00	0:00
AM	0:00	0	0:00	0:00
AN	0:00	0	0:00	0:00
AO	0:00	0	0:00	0:00
AP	0:00	0	0:00	0:00
AQ	0:00	0	0:00	0:00
AR	0:00	0	0:00	0:00
AS	0:00	0	0:00	0:00
AT	0:00	0	0:00	0:00
AU	0:00	0	0:00	0:00
AV	0:00	0	0:00	0:00
AW	0:00	0	0:00	0:00
AX	0:00	0	0:00	0:00
AY	0:00	0	0:00	0:00
AZ	0:00	0	0:00	0:00
BA	0:00	0	0:00	0:00
BB	0:00	0	0:00	0:00
BC	0:00	0	0:00	0:00
BD	0:00	0	0:00	0:00
BE	0:00	0	0:00	0:00
BF	0:00	0	0:00	0:00
BG	0:00	0	0:00	0:00
BH	0:00	0	0:00	0:00
BI	0:00	0	0:00	0:00
BJ	0:00	0	0:00	0:00
BK	0:00	0	0:00	0:00
BL	0:00	0	0:00	0:00
BM	0:00	0	0:00	0:00
BN	0:00	0	0:00	0:00
BO	0:00	0	0:00	0:00
BP	0:00	0	0:00	0:00
BQ	0:00	0	0:00	0:00
BR	0:00	0	0:00	0:00
BS	0:00	0	0:00	0:00
BT	0:00	0	0:00	0:00
BU	0:00	0	0:00	0:00
BV	0:00	0	0:00	0:00
BW	0:00	0	0:00	0:00
BX	0:00	0	0:00	0:00
BY	0:00	0	0:00	0:00

To be continued on next page...

Project:

21_7833_Mersey **River** Wind Farm

Licensed user:

Strum Consulting
1355 Bedford Highway
CA-BEDFORD B4A1C5
902.835.5560 (24/7)
Eric Johnson / ejohnson@strum.com
Calculated:
2022-12-16 11:06 AM/3.5.552

SHADOW - Main Result

Calculation: Mersey - Worst Case - Shadow - Dec 2022

...continued from previous page

No.	Shadow, worst case		Max shadow hours per day [h/day]	Shadow, expected values
	Shadow hours per year [h/year]	Shadow days per year [days/year]		Shadow hours per year [h/year]
BZ	0:00	0	0:00	0:00
CA	0:00	0	0:00	0:00
CB	0:00	0	0:00	0:00
CC	0:00	0	0:00	0:00
CD	0:00	0	0:00	0:00
CE	0:00	0	0:00	0:00
CF	0:00	0	0:00	0:00
CG	0:00	0	0:00	0:00
CH	0:00	0	0:00	0:00
CI	0:00	0	0:00	0:00
CJ	0:00	0	0:00	0:00
CK	0:00	0	0:00	0:00
CL	0:00	0	0:00	0:00
CM	0:00	0	0:00	0:00
CN	0:00	0	0:00	0:00
CO	0:00	0	0:00	0:00
CP	0:00	0	0:00	0:00
CQ	0:00	0	0:00	0:00
CR	0:00	0	0:00	0:00
CS	0:00	0	0:00	0:00
CT	0:00	0	0:00	0:00
CU	5:36	30	0:13	1:12
CV	0:00	0	0:00	0:00
CW	0:00	0	0:00	0:00
CX	0:00	0	0:00	0:00
CY	0:00	0	0:00	0:00
CZ	0:00	0	0:00	0:00
DA	0:00	0	0:00	0:00
DB	0:00	0	0:00	0:00
DC	0:00	0	0:00	0:00
DD	0:00	0	0:00	0:00
DE	0:00	0	0:00	0:00
DF	0:00	0	0:00	0:00
DG	0:00	0	0:00	0:00
DH	0:00	0	0:00	0:00
DI	0:00	0	0:00	0:00
DJ	0:00	0	0:00	0:00
DK	0:00	0	0:00	0:00
DL	0:00	0	0:00	0:00
DM	0:00	0	0:00	0:00
DN	0:00	0	0:00	0:00
DO	0:00	0	0:00	0:00
DP	0:00	0	0:00	0:00
DQ	0:00	0	0:00	0:00
DR	0:00	0	0:00	0:00
DS	0:00	0	0:00	0:00
DT	0:00	0	0:00	0:00
DU	0:00	0	0:00	0:00
DV	0:00	0	0:00	0:00
DW	0:00	0	0:00	0:00
DX	0:00	0	0:00	0:00
DY	0:00	0	0:00	0:00
DZ	0:00	0	0:00	0:00
EA	0:00	0	0:00	0:00
EB	0:00	0	0:00	0:00
EC	0:00	0	0:00	0:00
ED	0:00	0	0:00	0:00
EE	0:00	0	0:00	0:00
EF	0:00	0	0:00	0:00
EG	0:00	0	0:00	0:00
EH	0:00	0	0:00	0:00
EI	0:00	0	0:00	0:00
EJ	0:00	0	0:00	0:00
EK	0:00	0	0:00	0:00

To be continued on next page...

Project:

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Eric Johnson / ejohnson@strum.com
Calculated:
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SHADOW - Main Result

Calculation: Mersey - Worst Case - Shadow - Dec 2022

...continued from previous page

No.	Shadow, worst case		Max shadow hours per day [h/day]	Shadow, expected values
	Shadow hours per year [h/year]	Shadow days per year [days/year]		Shadow hours per year [h/year]
EL	0:00	0	0:00	0:00
EM	0:00	0	0:00	0:00
EN	0:00	0	0:00	0:00
EO	0:00	0	0:00	0:00
EP	2:24	19	0:12	0:52
EQ	0:00	0	0:00	0:00
ER	2:50	20	0:13	1:00
ES	0:00	0	0:00	0:00
ET	0:00	0	0:00	0:00
EU	0:00	0	0:00	0:00
EV	0:00	0	0:00	0:00
EW	0:00	0	0:00	0:00
EX	0:00	0	0:00	0:00
EY	0:00	0	0:00	0:00
EZ	0:00	0	0:00	0:00
FA	0:00	0	0:00	0:00
FB	0:00	0	0:00	0:00
FC	0:00	0	0:00	0:00
FD	0:00	0	0:00	0:00
FE	0:00	0	0:00	0:00
FF	0:00	0	0:00	0:00
FG	0:00	0	0:00	0:00
FH	0:00	0	0:00	0:00
FI	0:00	0	0:00	0:00
FJ	0:00	0	0:00	0:00
FK	0:00	0	0:00	0:00
FL	0:00	0	0:00	0:00
FM	0:00	0	0:00	0:00
FN	0:00	0	0:00	0:00
FO	0:00	0	0:00	0:00
FP	0:00	0	0:00	0:00
FQ	0:00	0	0:00	0:00
FR	0:00	0	0:00	0:00
FS	0:00	0	0:00	0:00
FT	0:00	0	0:00	0:00
FU	0:00	0	0:00	0:00
FV	0:00	0	0:00	0:00
FW	0:00	0	0:00	0:00
FX	0:00	0	0:00	0:00
FY	0:00	0	0:00	0:00
FZ	0:00	0	0:00	0:00
GA	0:00	0	0:00	0:00
GB	0:00	0	0:00	0:00
GC	0:00	0	0:00	0:00
GD	0:00	0	0:00	0:00
GE	0:00	0	0:00	0:00
GF	0:00	0	0:00	0:00
GG	0:00	0	0:00	0:00
GH	0:00	0	0:00	0:00
GI	0:00	0	0:00	0:00
GJ	0:00	0	0:00	0:00
GK	0:00	0	0:00	0:00
GL	0:00	0	0:00	0:00
GM	0:00	0	0:00	0:00
GN	0:00	0	0:00	0:00
GO	0:00	0	0:00	0:00
GP	0:00	0	0:00	0:00
GQ	0:00	0	0:00	0:00
GR	0:00	0	0:00	0:00
GS	0:00	0	0:00	0:00
GT	0:00	0	0:00	0:00
GU	0:00	0	0:00	0:00
GV	0:00	0	0:00	0:00
GW	0:00	0	0:00	0:00

To be continued on next page...

Project:

21_7833_Mersey **River** Wind Farm

Licensed user:

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1355 Bedford Highway
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902.835.5560 (24/7)
Eric Johnson / ejohnson@strum.com
Calculated:
2022-12-16 11:06 AM/3.5.552

SHADOW - Main Result

Calculation: Mersey - Worst Case - Shadow - Dec 2022

...continued from previous page

No.	Shadow, worst case		Max shadow hours per day [h/day]	Shadow, expected values
	Shadow hours per year [h/year]	Shadow days per year [days/year]		Shadow hours per year [h/year]
GX	0:00	0	0:00	0:00
GY	0:00	0	0:00	0:00
GZ	0:00	0	0:00	0:00
HA	0:00	0	0:00	0:00
HB	0:00	0	0:00	0:00
HC	0:00	0	0:00	0:00
HD	0:00	0	0:00	0:00
HE	0:00	0	0:00	0:00
HF	0:00	0	0:00	0:00
HG	0:00	0	0:00	0:00
HH	0:00	0	0:00	0:00
HI	0:00	0	0:00	0:00
HJ	0:00	0	0:00	0:00
HK	0:00	0	0:00	0:00
HL	0:00	0	0:00	0:00
HM	0:00	0	0:00	0:00
HN	0:00	0	0:00	0:00
HO	0:00	0	0:00	0:00
HP	0:00	0	0:00	0:00
HQ	0:00	0	0:00	0:00
HR	0:00	0	0:00	0:00
HS	0:00	0	0:00	0:00
HT	0:00	0	0:00	0:00
HU	0:00	0	0:00	0:00
HV	0:00	0	0:00	0:00
HW	0:00	0	0:00	0:00
HX	0:00	0	0:00	0:00
HY	0:00	0	0:00	0:00
HZ	0:00	0	0:00	0:00
IA	0:00	0	0:00	0:00
IB	0:00	0	0:00	0:00
IC	0:00	0	0:00	0:00
ID	0:00	0	0:00	0:00
IE	0:00	0	0:00	0:00
IF	0:00	0	0:00	0:00
IG	0:00	0	0:00	0:00
IH	0:00	0	0:00	0:00
II	0:00	0	0:00	0:00
IJ	0:00	0	0:00	0:00
IK	0:00	0	0:00	0:00
IL	0:00	0	0:00	0:00
IM	0:00	0	0:00	0:00
IN	0:00	0	0:00	0:00
IO	0:00	0	0:00	0:00
IP	0:00	0	0:00	0:00
IQ	0:00	0	0:00	0:00
IR	0:00	0	0:00	0:00
IS	0:00	0	0:00	0:00
IT	0:00	0	0:00	0:00
IU	0:00	0	0:00	0:00
IV	0:00	0	0:00	0:00
IW	0:00	0	0:00	0:00
IX	0:00	0	0:00	0:00
IY	0:00	0	0:00	0:00
IZ	0:00	0	0:00	0:00
JA	0:00	0	0:00	0:00
JB	0:00	0	0:00	0:00
JC	0:00	0	0:00	0:00
JD	0:00	0	0:00	0:00
JE	0:00	0	0:00	0:00
JF	0:00	0	0:00	0:00
JG	0:00	0	0:00	0:00
JH	0:00	0	0:00	0:00
JI	0:00	0	0:00	0:00

To be continued on next page...

Project:

21_7833_Mersey **River** Wind Farm

Licensed user:

Strum Consulting
1355 Bedford Highway
CA-BEDFORD B4A1C5
902.835.5560 (24/7)
Eric Johnson / ejohnson@strum.com
Calculated:
2022-12-16 11:06 AM/3.5.552

SHADOW - Main Result

Calculation: Mersey - Worst Case - Shadow - Dec 2022

...continued from previous page

No.	Shadow, worst case		Max shadow hours per day [h/day]	Shadow, expected values
	Shadow hours per year [h/year]	Shadow days per year [days/year]		Shadow hours per year [h/year]
JJ	0:00	0	0:00	0:00
JK	0:00	0	0:00	0:00
JL	0:00	0	0:00	0:00
JM	0:00	0	0:00	0:00
JN	0:00	0	0:00	0:00
JO	0:00	0	0:00	0:00
JP	0:00	0	0:00	0:00
JQ	0:00	0	0:00	0:00
JR	0:00	0	0:00	0:00
JS	0:00	0	0:00	0:00
JT	0:00	0	0:00	0:00
JU	0:00	0	0:00	0:00
JV	0:00	0	0:00	0:00
JW	0:00	0	0:00	0:00
JX	0:00	0	0:00	0:00
JY	0:00	0	0:00	0:00
JZ	0:00	0	0:00	0:00
KA	0:00	0	0:00	0:00
KB	0:00	0	0:00	0:00
KC	0:00	0	0:00	0:00
KD	0:00	0	0:00	0:00
KE	0:00	0	0:00	0:00
KF	0:00	0	0:00	0:00
KG	0:00	0	0:00	0:00
KH	0:00	0	0:00	0:00
KI	0:00	0	0:00	0:00
KJ	0:00	0	0:00	0:00
KK	0:00	0	0:00	0:00
KL	0:00	0	0:00	0:00
KM	0:00	0	0:00	0:00
KN	0:00	0	0:00	0:00
KO	0:00	0	0:00	0:00
KP	0:00	0	0:00	0:00
KQ	0:00	0	0:00	0:00
KR	0:00	0	0:00	0:00
KS	0:00	0	0:00	0:00
KT	0:00	0	0:00	0:00
KU	0:00	0	0:00	0:00
KV	0:00	0	0:00	0:00
KW	0:00	0	0:00	0:00
KX	0:00	0	0:00	0:00
KY	0:00	0	0:00	0:00
KZ	0:00	0	0:00	0:00
LA	0:00	0	0:00	0:00
LB	0:00	0	0:00	0:00
LC	0:00	0	0:00	0:00
LD	0:00	0	0:00	0:00
LE	0:00	0	0:00	0:00
LF	0:00	0	0:00	0:00
LG	0:00	0	0:00	0:00
LH	0:00	0	0:00	0:00
LI	0:00	0	0:00	0:00
LJ	0:00	0	0:00	0:00
LK	0:00	0	0:00	0:00
LL	0:00	0	0:00	0:00
LM	0:00	0	0:00	0:00
LN	0:00	0	0:00	0:00
LO	0:00	0	0:00	0:00
LP	0:00	0	0:00	0:00
LQ	0:00	0	0:00	0:00
LR	0:00	0	0:00	0:00
LS	0:00	0	0:00	0:00
LT	0:00	0	0:00	0:00
LU	0:00	0	0:00	0:00

To be continued on next page...

SHADOW - Main Result

Calculation: Mersey - Worst Case - Shadow - Dec 2022

...continued from previous page

No.	Shadow, worst case		Max shadow hours per day [h/day]	Shadow, expected values
	Shadow hours per year [h/year]	Shadow days per year [days/year]		Shadow hours per year [h/year]
LV	0:00	0	0:00	0:00
LW	0:00	0	0:00	0:00
LX	0:00	0	0:00	0:00
LY	0:00	0	0:00	0:00
LZ	0:00	0	0:00	0:00
MA	0:00	0	0:00	0:00
MB	0:00	0	0:00	0:00
MC	0:00	0	0:00	0:00
MD	0:00	0	0:00	0:00
ME	0:00	0	0:00	0:00
MF	0:00	0	0:00	0:00
MG	0:00	0	0:00	0:00
MH	0:00	0	0:00	0:00
MI	0:00	0	0:00	0:00
MJ	0:00	0	0:00	0:00
MK	0:00	0	0:00	0:00
ML	0:00	0	0:00	0:00
MM	0:00	0	0:00	0:00
MN	0:00	0	0:00	0:00
MO	0:00	0	0:00	0:00
MP	0:00	0	0:00	0:00
MQ	0:00	0	0:00	0:00
MR	0:00	0	0:00	0:00
MS	0:00	0	0:00	0:00
MT	0:00	0	0:00	0:00
MU	0:00	0	0:00	0:00
MV	0:00	0	0:00	0:00
MW	0:00	0	0:00	0:00
MX	0:00	0	0:00	0:00
MY	0:00	0	0:00	0:00
MZ	0:00	0	0:00	0:00
NA	0:00	0	0:00	0:00
NB	0:00	0	0:00	0:00
NC	0:00	0	0:00	0:00
ND	0:00	0	0:00	0:00
NE	0:00	0	0:00	0:00

Total amount of flickering on the shadow receptors caused by each WTG

No.	Name	Worst case [h/year]	Expected [h/year]
1	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (98)	0:00	0:00
2	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (99)	0:00	0:00
3	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (100)	0:00	0:00
4	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (101)	0:00	0:00
5	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (102)	5:36	1:12
6	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (103)	0:00	0:00
7	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (104)	3:40	1:19
8	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (105)	0:00	0:00
9	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (106)	0:00	0:00
10	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (107)	0:00	0:00
11	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (108)	0:00	0:00
12	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (109)	0:00	0:00
13	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (110)	0:00	0:00
14	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (111)	0:00	0:00
15	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (112)	0:00	0:00
16	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (113)	0:00	0:00
17	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (114)	0:00	0:00
18	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (115)	0:00	0:00
19	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (116)	0:00	0:00
20	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (117)	0:00	0:00
21	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (118)	0:00	0:00
22	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (119)	0:00	0:00
23	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (120)	0:00	0:00

To be continued on next page...

Project:

21_7833_Mersey **River** Wind Farm

Licensed user:

Strum Consulting
1355 Bedford Highway
CA-BEDFORD B4A1C5
902.835.5560 (24/7)

Eric Johnson / ejohnson@strum.com

Calculated:

2022-12-16 11:06 AM/3.5.552

SHADOW - Main Result

Calculation: Mersey - Worst Case - Shadow - Dec 2022

...continued from previous page

No.	Name	Worst case [h/year]	Expected [h/year]
24	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (121)	0:00	0:00
25	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (122)	0:00	0:00
26	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (123)	0:00	0:00
27	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (124)	0:00	0:00
28	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (125)	0:00	0:00
29	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (126)	0:00	0:00
30	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (127)	0:00	0:00
31	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (128)	0:00	0:00
32	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (129)	0:00	0:00
33	VESTAS V150-4.5 4500 150.0 !O! hub: 105.0 m (TOT: 180.0 m) (130)	0:00	0:00

Total times in Receptor wise and WTG wise tables can differ, as a WTG can lead to flicker at 2 or more receptors simultaneously and/or receptors may receive flicker from 2 or more WTGs simultaneously.

APPENDIX P
SOUND

Overview of Infrasound

Infrasound is an inaudible range of low frequency sound between one and 10 Hz generated as a result of large masses/objects in motion. Infrasound is emitted from both natural sources (e.g., wind, oceans) and artificial sources such as road traffic, ventilation systems, and aircrafts (Keith, 2018). Levels of infrasound emitted from large-scale wind turbines attenuate over space as a function of site-specific characteristics (i.e., topography, structures, etc.) and climatic conditions (Rod & Heiger-Bernays, 2012; Schmidt & Klokke, 2014). Generally, frequencies below 100 Hz are attenuated by three dBA over a doubling of distance when downwind of turbines (between distances of 0.3 to 20 km) and six dBA over a doubling of distance when upwind of turbines (between distances of 0.4 to 3 km) (Shepherd & Hubbard, 1991). Health Canada reported that infrasound generated by wind turbines can be measured up to 10 km away, however, in many cases was below background levels (Health Canada, 2014; Keith, 2018).

When evaluating potential effects of infrasound, it is important that these frequencies be discussed in the context of the sound pressure levels, or in other words, the loudness of the sound. Studies show that the lower the frequency of the sound, the louder the sound needs to be in order to be audible/perceived. For instance, very loud sounds at very low frequencies (i.e., 165 dB at 2 Hz, reducing to 145 dB at 20 Hz) may result in pain (Leventhall, 2006) and infrasound has been shown to cause annoyance, when the sound level exceeds the threshold of hearing (i.e., the lowest sound levels that a listener can detect) (HGC, 2010). Further, research shows that to be physically felt, infrasound must exceed 100–110 dB (Ellenbogen et al., 2012). While there is some variation in the literature and between individual sensitivities, there is fairly good agreement on the level of the threshold of hearing among the various studies that have been completed (Figure P.1).

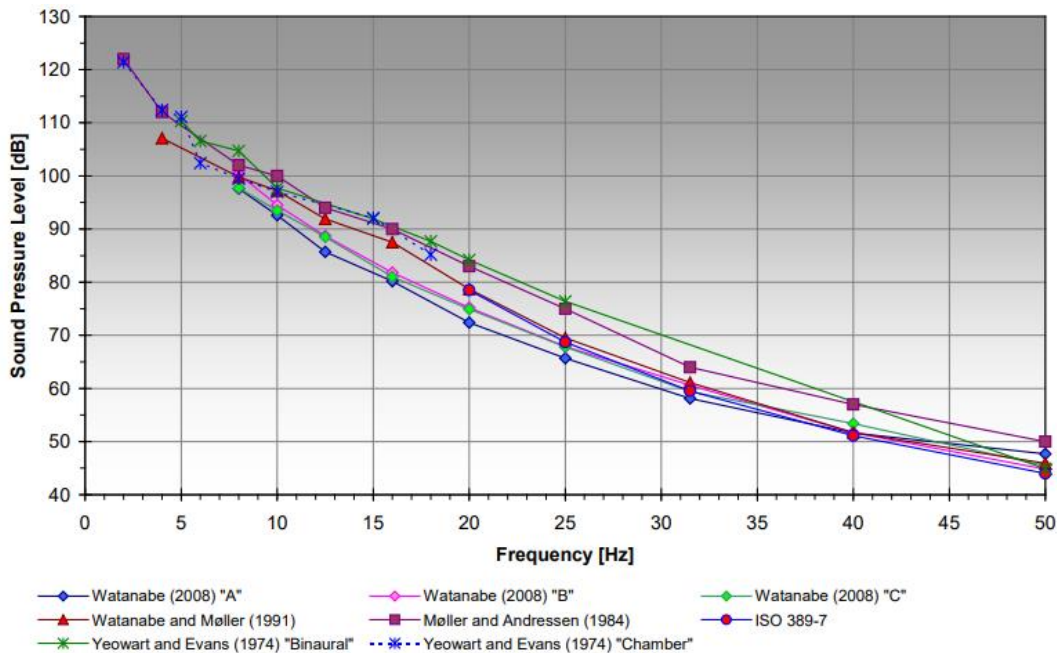


Figure P.1: Threshold of Hearing Data from Various Papers (Source: HGC, 2010)

Measuring Infrasound

In 2010, Sonus, an acoustic consulting firm based in South Australia, completed a study to measure infrasound produced by a range of natural and manmade sources using a methodology specifically designed to measure infrasound (Table P.1). Sound levels measured using the G-weighting filters, expressed as dBG. The G-weighting network was applied to the measured infrasound pressure levels as it has been standardized to determine the human perception (i.e. threshold of hearing) and annoyance due to noise that lies within the infrasound frequency range. By comparison, when measuring audible sound levels, meters are usually equipped with weighting circuits to simulate the frequency response characteristics of the human ear.

Table P.1: Measured Levels of Infrasound from Natural & Manmade Sources

Source	Infrasound Level (dBG)
Threshold of Hearing	85
Ambient Infrasound <i>(As measured 100 m from nearest wind turbine with negligible wind and no turbine operation)</i>	62
Natural Sources	
Adjacent to Beach – 25 m from high water	75
Cliff Face – 250 m from coastline	69
Inland Forest – 8 km from coastline	57
Anthropogenic Sources	
Business District (70 m from two major road corridors)	76
Gas Fired Power Station (350 m away)	74
Wind Farm – 100 m downwind	66
Wind Farm – 200 m downwind	63
Wind Farm – 360 m downwind	61
Outside Residence – 1.2 km from nearest wind turbine	58

Source: Sonus 2010

The results of the study indicate that while turbines do produce infrasound, levels are well below established levels that can be perceived by humans and are comparable to natural and urban sources that are common in the environment.

Infrasound and Potential Health Concerns

Concerns about infrasound from wind turbines is thought to have originated from the experience of neighbours of early wind turbine designs with downwind rotors (rotors downwind of the tower). In contrast, all modern utility scale wind turbines have upwind rotors that produce significantly lower infrasound emissions (Bastasch et al., 2006). Several studies and panels have been assembled to evaluate the perceived health effects associated with wind turbines.

A study by Evans et al. (2013) concluded that measured infrasound levels at rural locations both near to and away from wind farms were no higher than infrasound levels measured at the urban locations. Human activity and traffic were the main sources of infrasound within urban locations, while localized wind conditions were found to be the main source of infrasound in rural locations. All measurements were below the levels that can be perceived by humans, with most by a significant margin (Evans et al., 2013).

A scientific advisory panel with expertise in audiology, acoustics, occupational/environmental medicine, and public health was assembled by the wind industry in early 2009 to conduct a review of current literature available on the issue of perceived health effects of wind turbines (Colby et al., 2009). Following their review and analysis of the information, the panel reached consensus on the following conclusions:

- There is no evidence that the audible or sub-audible sounds emitted by wind turbines have any direct adverse physiological effects.
- The ground-borne vibrations from wind turbines are too weak to be detected by, or to affect, humans.
- Sounds emitted by wind turbines are not unique. There is no reason to believe, based on the levels and frequencies of the sounds and the panel's experience with sound exposures in occupational settings, that the sounds from wind turbines could plausibly have direct adverse health consequences.

The Chief Medical Officer of Health in Ontario also conducted a review of papers and reports (from 1970 to 2010) on wind turbines and health from scientific bibliographic databases, grey literature, and from a structured Internet search. The report concluded that "low frequency sound and infrasound from current generation upwind model turbines are well below the pressure sound levels at which known health effects occur. Further, there is no scientific evidence to date that vibration from low frequency wind turbine noise causes adverse health effects" (CMOH of Ontario, 2010).

The Massachusetts panel concluded that "measured levels of infrasound produced by modern upwind wind turbines at distances as close as 68 m are well below that required for non-auditory perception". Further, the panel concluded that "the weight of the evidence suggests no association between noise from wind turbines and measures of psychological distress or mental health problems" (Ellenbogen et al., 2012).

A new study found that infrasound (generated acoustically as part of the study to correspond to real world wind farms) had no influence on reported annoyance or on the measured response on the autonomic nervous system (Maijila et al., 2021). The study concluded that participants did not detect infrasonic ranges of simulated wind turbine noise.

Overall, potential impacts on nearby residents as a result of Project generated infrasound are anticipated to be negligible based on the scientific findings discussed above and distances to nearby receptors.

DECIBEL - Main Result

Calculation: Mersey - Noise - Dec 2022

Noise calculation model:

ISO 9613-2 General

Wind speed (in 10 m height):

Loudest up to 95% rated power

Ground attenuation:

Fixed values, Agr: 0.0, Dc: 0.0

Meteorological coefficient, CO:

0.0 dB

Type of demand in calculation:

1: WTG noise is compared to demand (DK, DE, SE, NL etc.)

Noise values in calculation:

All noise values are mean values (Lwa) (Normal)

Pure tones:

Fixed penalty added to source noise of WTGs with pure tones

Model: 5.0 dB(A)

Height above ground level, when no value in NSA object:

0.0 m; Don't allow override of model height with height from NSA object

Uncertainty margin:

0.0 dB; Uncertainty margin in NSA has priority

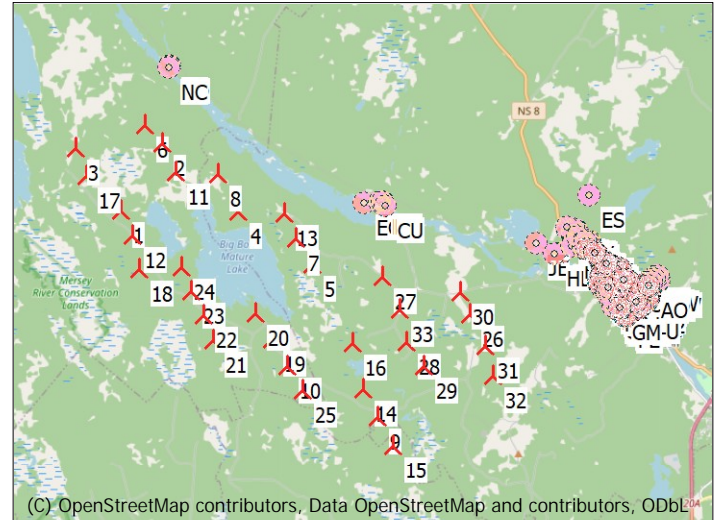
Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:

0.0 dB(A)

All coordinates are in

UTM (north)-NAD83 (US+CA) Zone: 20

WTGs



Scale 1:200,000
 🚩 New WTG 🏠 Noise sensitive area

	Easting	Northing	Z	Row data/Description	WTG type		Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Noise data		Wind speed [m/s]	LwA,ref [dB(A)]	
					Valid	Manufact.				Type-generator	Creator			Name
1	345,645	4,883,494	112.3	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
2	346,787	4,885,247	115.6	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
3	344,471	4,885,163	93.0	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
4	348,746	4,883,403	92.5	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
5	350,677	4,881,957	88.7	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
6	346,316	4,885,724	103.0	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
7	350,251	4,882,651	85.2	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
8	348,221	4,884,382	84.2	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
9	352,315	4,877,882	113.3	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
10	349,934	4,879,270	103.7	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
11	347,128	4,884,467	94.6	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
12	345,927	4,882,813	100.9	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
13	349,960	4,883,299	85.1	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
14	351,945	4,878,639	99.2	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
15	352,698	4,877,095	89.0	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
16	351,694	4,879,839	100.9	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
17	344,724	4,884,418	95.3	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
18	346,079	4,881,912	102.9	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
19	349,538	4,880,012	100.3	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
20	349,125	4,880,695	93.2	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
21	348,013	4,880,022	93.6	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
22	347,744	4,880,667	91.6	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
23	347,435	4,881,312	89.9	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
24	347,209	4,881,949	89.4	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
25	350,328	4,878,629	99.4	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
26	354,805	4,880,546	98.5	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
27	352,535	4,881,591	94.1	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
28	353,127	4,879,845	89.1	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
29	353,535	4,879,208	91.1	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
30	354,581	4,881,125	87.7	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
31	355,211	4,879,679	105.1	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
32	355,393	4,878,915	101.6	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6
33	352,947	4,880,733	102.5	VESTAS V150-4.5 4500 ...	Yes	VESTAS	V150-4.5-4,500	4,500	150.0	105.0	EMD	Level 0 VTL1 -- PO4-0S & PO4-0S VTL1- 12-2021	7.0	107.6

Calculation Results

Sound level

Noise sensitive area

No.	Name	Easting	Northing	Z	Immission height [m]	Sound level From WTGs [dB(A)]
A	Noise sensitive point: User defined (1474)	359,516	4,881,107	19.6	0.0	21.6
B	Noise sensitive point: User defined (1475)	358,582	4,881,108	6.5	0.0	24.9
C	Noise sensitive point: User defined (1476)	359,086	4,881,113	23.6	0.0	23.1

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DECI BEL - Main Result

Calculation: Mersey - Noise - Dec 2022

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Noise sensitive area						Sound level	
No.	Name	Easting	Northing	Z	Immission height	From WTGs	
				[m]	[m]	[dB(A)]	
D	Noise sensitive point: User defined (1477)	359,448	4,881,114	22.8	0.0	21.8	
E	Noise sensitive point: User defined (1478)	359,607	4,881,114	20.8	0.0	21.3	
F	Noise sensitive point: User defined (1479)	359,420	4,881,116	23.0	0.0	21.9	
G	Noise sensitive point: User defined (1480)	359,636	4,881,117	21.1	0.0	21.2	
H	Noise sensitive point: User defined (1481)	358,861	4,881,117	8.6	0.0	23.9	
I	Noise sensitive point: User defined (1482)	358,489	4,881,118	8.1	0.0	25.2	
J	Noise sensitive point: User defined (1483)	359,492	4,881,120	20.8	0.0	21.7	
K	Noise sensitive point: User defined (1484)	359,528	4,881,120	19.5	0.0	21.5	
L	Noise sensitive point: User defined (1485)	359,427	4,881,123	22.5	0.0	21.9	
M	Noise sensitive point: User defined (1486)	359,455	4,881,125	22.5	0.0	21.8	
N	Noise sensitive point: User defined (1487)	358,409	4,881,127	7.4	0.0	25.5	
O	Noise sensitive point: User defined (1488)	358,464	4,881,132	8.6	0.0	25.3	
P	Noise sensitive point: User defined (1489)	359,061	4,881,132	22.3	0.0	23.2	
Q	Noise sensitive point: User defined (1490)	359,466	4,881,137	22.2	0.0	21.7	
R	Noise sensitive point: User defined (1491)	358,399	4,881,140	7.4	0.0	25.6	
S	Noise sensitive point: User defined (1492)	358,442	4,881,142	7.5	0.0	25.4	
T	Noise sensitive point: User defined (1493)	359,440	4,881,142	21.9	0.0	21.8	
U	Noise sensitive point: User defined (1494)	359,552	4,881,146	20.8	0.0	21.4	
V	Noise sensitive point: User defined (1495)	358,356	4,881,148	8.1	0.0	25.7	
W	Noise sensitive point: User defined (1496)	358,507	4,881,150	7.1	0.0	25.1	
X	Noise sensitive point: User defined (1497)	359,535	4,881,155	20.9	0.0	21.5	
Y	Noise sensitive point: User defined (1498)	359,412	4,881,156	21.6	0.0	21.9	
Z	Noise sensitive point: User defined (1499)	359,059	4,881,164	19.6	0.0	23.1	
AA	Noise sensitive point: User defined (1500)	359,427	4,881,169	21.5	0.0	21.8	
AB	Noise sensitive point: User defined (1501)	357,411	4,882,792	37.2	0.0	26.0	
AC	Noise sensitive point: User defined (1502)	358,366	4,881,173	7.7	0.0	25.6	
AD	Noise sensitive point: User defined (1503)	359,590	4,881,174	24.8	0.0	21.3	
AE	Noise sensitive point: User defined (1504)	359,003	4,881,174	20.0	0.0	23.3	
AF	Noise sensitive point: User defined (1505)	358,483	4,881,179	6.9	0.0	25.2	
AG	Noise sensitive point: User defined (1506)	358,769	4,881,181	7.5	0.0	24.1	
AH	Noise sensitive point: User defined (1507)	359,589	4,881,181	24.7	0.0	21.3	
AI	Noise sensitive point: User defined (1508)	359,453	4,881,186	22.7	0.0	21.7	
AJ	Noise sensitive point: User defined (1509)	359,476	4,881,188	21.9	0.0	21.7	
AK	Noise sensitive point: User defined (1510)	358,793	4,881,188	8.1	0.0	24.1	
AL	Noise sensitive point: User defined (1511)	358,383	4,881,192	7.6	0.0	25.6	
AM	Noise sensitive point: User defined (1512)	359,493	4,881,196	21.0	0.0	21.6	
AN	Noise sensitive point: User defined (1513)	358,506	4,881,199	5.8	0.0	25.1	
AO	Noise sensitive point: User defined (1514)	359,547	4,881,202	22.6	0.0	21.4	
AP	Noise sensitive point: User defined (1515)	359,033	4,881,203	19.2	0.0	23.2	
AQ	Noise sensitive point: User defined (1516)	359,065	4,881,203	18.7	0.0	23.1	
AR	Noise sensitive point: User defined (1517)	359,413	4,881,206	23.5	0.0	21.9	
AS	Noise sensitive point: User defined (1518)	359,080	4,881,208	18.6	0.0	23.0	
AT	Noise sensitive point: User defined (1519)	359,535	4,881,209	22.2	0.0	21.4	
AU	Noise sensitive point: User defined (1520)	359,468	4,881,211	23.1	0.0	21.7	
AV	Noise sensitive point: User defined (1521)	359,490	4,881,217	21.6	0.0	21.6	
AW	Noise sensitive point: User defined (1522)	359,651	4,881,218	22.1	0.0	21.1	
AX	Noise sensitive point: User defined (1523)	359,547	4,881,219	23.1	0.0	21.4	
AY	Noise sensitive point: User defined (1524)	358,391	4,881,219	7.4	0.0	25.5	
AZ	Noise sensitive point: User defined (1525)	358,896	4,881,219	14.6	0.0	23.7	
BA	Noise sensitive point: User defined (1526)	358,405	4,881,220	5.2	0.0	25.4	
BB	Noise sensitive point: User defined (1527)	359,568	4,881,220	24.6	0.0	21.3	
BC	Noise sensitive point: User defined (1528)	359,636	4,881,223	22.2	0.0	21.1	
BD	Noise sensitive point: User defined (1529)	359,095	4,881,227	19.2	0.0	22.9	
BE	Noise sensitive point: User defined (1530)	359,143	4,881,227	22.1	0.0	22.8	
BF	Noise sensitive point: User defined (1531)	359,533	4,881,229	23.3	0.0	21.4	
BG	Noise sensitive point: User defined (1532)	358,287	4,881,231	8.3	0.0	25.9	
BH	Noise sensitive point: User defined (1533)	358,805	4,881,238	10.4	0.0	24.0	
BI	Noise sensitive point: User defined (1534)	358,749	4,881,239	8.6	0.0	24.2	
BJ	Noise sensitive point: User defined (1535)	358,951	4,881,240	18.6	0.0	23.4	
BK	Noise sensitive point: User defined (1536)	359,003	4,881,243	18.7	0.0	23.2	
BL	Noise sensitive point: User defined (1537)	359,529	4,881,244	24.2	0.0	21.4	
BM	Noise sensitive point: User defined (1538)	359,674	4,881,244	24.9	0.0	20.9	
BN	Noise sensitive point: User defined (1539)	359,714	4,881,245	24.9	0.0	20.8	
BO	Noise sensitive point: User defined (1540)	358,365	4,881,250	7.8	0.0	25.5	
BP	Noise sensitive point: User defined (1541)	358,299	4,881,251	8.7	0.0	25.8	

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DECIBEL - Main Result

Calculation: Mersey - Noise - Dec 2022

...continued from previous page

Noise sensitive area		Sound level				
No.	Name	Easting	Northing	Z	Immission height	From WTGs
				[m]	[m]	[dB(A)]
BQ	Noise sensitive point: User defined (1542)	359,622	4,881,251	22.4	0.0	21.1
BR	Noise sensitive point: User defined (1543)	358,811	4,881,258	11.7	0.0	23.9
BS	Noise sensitive point: User defined (1544)	358,913	4,881,266	18.1	0.0	23.5
BT	Noise sensitive point: User defined (1545)	359,646	4,881,269	25.7	0.0	21.0
BU	Noise sensitive point: User defined (1546)	359,673	4,881,274	26.1	0.0	20.9
BV	Noise sensitive point: User defined (1547)	359,541	4,881,277	24.8	0.0	21.4
BW	Noise sensitive point: User defined (1548)	359,006	4,881,279	19.3	0.0	23.2
BX	Noise sensitive point: User defined (1549)	358,257	4,881,281	9.6	0.0	25.9
BY	Noise sensitive point: User defined (1550)	359,624	4,881,281	27.0	0.0	21.1
BZ	Noise sensitive point: User defined (1551)	359,666	4,881,282	26.3	0.0	20.9
CA	Noise sensitive point: User defined (1552)	358,881	4,881,289	17.9	0.0	23.6
CB	Noise sensitive point: User defined (1553)	359,670	4,881,292	26.9	0.0	20.9
CC	Noise sensitive point: User defined (1554)	358,776	4,881,294	12.2	0.0	24.0
CD	Noise sensitive point: User defined (1555)	359,646	4,881,294	27.5	0.0	21.0
CE	Noise sensitive point: User defined (1556)	358,911	4,881,294	17.8	0.0	23.5
CF	Noise sensitive point: User defined (1557)	358,345	4,881,297	8.5	0.0	25.6
CG	Noise sensitive point: User defined (1558)	358,808	4,881,300	13.9	0.0	23.9
CH	Noise sensitive point: User defined (1559)	358,241	4,881,301	9.6	0.0	25.9
CI	Noise sensitive point: User defined (1560)	359,850	4,881,302	26.3	0.0	20.3
CJ	Noise sensitive point: User defined (1561)	358,979	4,881,304	19.1	0.0	23.3
CK	Noise sensitive point: User defined (1562)	358,791	4,881,304	12.9	0.0	23.9
CL	Noise sensitive point: User defined (1563)	359,736	4,881,305	24.7	0.0	20.7
CM	Noise sensitive point: User defined (1564)	358,439	4,881,306	6.5	0.0	25.2
CN	Noise sensitive point: User defined (1565)	358,450	4,881,306	6.9	0.0	25.2
CO	Noise sensitive point: User defined (1566)	359,678	4,881,309	27.0	0.0	20.9
CP	Noise sensitive point: User defined (1567)	358,232	4,881,310	9.4	0.0	26.0
CQ	Noise sensitive point: User defined (1568)	358,280	4,881,314	8.8	0.0	25.8
CR	Noise sensitive point: User defined (1569)	358,877	4,881,314	19.0	0.0	23.6
CS	Noise sensitive point: User defined (1570)	358,260	4,881,314	8.9	0.0	25.9
CT	Noise sensitive point: User defined (1571)	358,918	4,881,315	18.2	0.0	23.5
CU	Noise sensitive point: User defined (1572)	352,631	4,883,479	41.5	0.0	33.3
CV	Noise sensitive point: User defined (1573)	358,339	4,881,317	8.1	0.0	25.6
CW	Noise sensitive point: User defined (1574)	359,806	4,881,319	26.1	0.0	20.5
CX	Noise sensitive point: User defined (1575)	358,454	4,881,320	7.5	0.0	25.1
CY	Noise sensitive point: User defined (1576)	358,997	4,881,321	18.8	0.0	23.2
CZ	Noise sensitive point: User defined (1577)	359,028	4,881,324	20.0	0.0	23.1
DA	Noise sensitive point: User defined (1578)	358,962	4,881,326	18.6	0.0	23.3
DB	Noise sensitive point: User defined (1579)	359,780	4,881,326	25.6	0.0	20.5
DC	Noise sensitive point: User defined (1580)	358,435	4,881,327	6.9	0.0	25.2
DD	Noise sensitive point: User defined (1581)	359,757	4,881,328	24.6	0.0	20.6
DE	Noise sensitive point: User defined (1582)	358,261	4,881,329	8.7	0.0	25.8
DF	Noise sensitive point: User defined (1583)	359,659	4,881,330	26.7	0.0	20.9
DG	Noise sensitive point: User defined (1584)	358,899	4,881,335	19.0	0.0	23.5
DH	Noise sensitive point: User defined (1585)	358,450	4,881,336	7.4	0.0	25.1
DI	Noise sensitive point: User defined (1586)	358,851	4,881,345	19.1	0.0	23.7
DJ	Noise sensitive point: User defined (1587)	358,824	4,881,347	19.1	0.0	23.8
DK	Noise sensitive point: User defined (1588)	359,781	4,881,347	27.2	0.0	20.5
DL	Noise sensitive point: User defined (1589)	359,836	4,881,350	28.6	0.0	20.3
DM	Noise sensitive point: User defined (1590)	358,946	4,881,351	18.7	0.0	23.3
DN	Noise sensitive point: User defined (1591)	359,808	4,881,354	28.8	0.0	20.4
DO	Noise sensitive point: User defined (1592)	358,914	4,881,368	18.9	0.0	23.4
DP	Noise sensitive point: User defined (1593)	359,818	4,881,371	28.9	0.0	20.4
DQ	Noise sensitive point: User defined (1594)	359,680	4,881,372	27.9	0.0	20.8
DR	Noise sensitive point: User defined (1595)	359,747	4,881,374	28.0	0.0	20.6
DS	Noise sensitive point: User defined (1596)	358,937	4,881,375	19.2	0.0	23.3
DT	Noise sensitive point: User defined (1597)	359,695	4,881,375	28.4	0.0	20.8
DU	Noise sensitive point: User defined (1598)	358,972	4,881,380	18.8	0.0	23.2
DV	Noise sensitive point: User defined (1599)	358,900	4,881,380	18.9	0.0	23.5
DW	Noise sensitive point: User defined (1600)	359,719	4,881,381	27.7	0.0	20.7
DX	Noise sensitive point: User defined (1601)	359,762	4,881,381	29.0	0.0	20.5
DY	Noise sensitive point: User defined (1602)	358,275	4,881,391	8.8	0.0	25.7
DZ	Noise sensitive point: User defined (1603)	358,888	4,881,398	19.0	0.0	23.5
EA	Noise sensitive point: User defined (1604)	358,954	4,881,398	19.2	0.0	23.3
EB	Noise sensitive point: User defined (1605)	359,777	4,881,399	30.1	0.0	20.5
EC	Noise sensitive point: User defined (1606)	358,267	4,881,401	8.3	0.0	25.7

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DECIBEL - Main Result

Calculation: Mersey - Noise - Dec 2022

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Noise sensitive area		Sound level				
No.	Name	Easting	Northing	Z	Immission height	From WTGs
				[m]	[m]	[dB(A)]
ED	Noise sensitive point: User defined (1607)	358,903	4,881,402	18.7	0.0	23.4
EE	Noise sensitive point: User defined (1608)	359,744	4,881,406	29.6	0.0	20.6
EF	Noise sensitive point: User defined (1609)	359,747	4,881,421	30.8	0.0	20.6
EG	Noise sensitive point: User defined (1610)	358,926	4,881,425	18.7	0.0	23.3
EH	Noise sensitive point: User defined (1611)	358,816	4,881,427	18.5	0.0	23.7
EI	Noise sensitive point: User defined (1612)	359,808	4,881,434	30.5	0.0	20.3
EJ	Noise sensitive point: User defined (1613)	359,767	4,881,436	31.1	0.0	20.5
EK	Noise sensitive point: User defined (1614)	358,780	4,881,450	16.9	0.0	23.8
EL	Noise sensitive point: User defined (1615)	358,749	4,881,450	14.2	0.0	23.9
EM	Noise sensitive point: User defined (1616)	358,309	4,881,451	7.1	0.0	25.5
EN	Noise sensitive point: User defined (1617)	358,854	4,881,478	19.0	0.0	23.5
EO	Noise sensitive point: User defined (1618)	352,066	4,883,534	33.7	0.0	34.2
EP	Noise sensitive point: User defined (1619)	352,563	4,883,541	41.2	0.0	33.2
EQ	Noise sensitive point: User defined (1620)	352,599	4,883,543	46.7	0.0	33.1
ER	Noise sensitive point: User defined (1621)	352,477	4,883,560	37.3	0.0	33.3
ES	Noise sensitive point: User defined (1622)	358,035	4,883,628	90.7	0.0	22.3
ET	Noise sensitive point: User defined (1623)	358,881	4,881,495	19.8	0.0	23.4
EU	Noise sensitive point: User defined (1624)	358,812	4,881,496	17.2	0.0	23.6
EV	Noise sensitive point: User defined (1625)	358,847	4,881,514	18.1	0.0	23.5
EW	Noise sensitive point: User defined (1626)	358,576	4,881,516	9.1	0.0	24.4
EX	Noise sensitive point: User defined (1627)	358,860	4,881,526	17.8	0.0	23.4
EY	Noise sensitive point: User defined (1628)	358,868	4,881,535	17.1	0.0	23.4
EZ	Noise sensitive point: User defined (1629)	358,843	4,881,569	16.2	0.0	23.4
FA	Noise sensitive point: User defined (1630)	358,828	4,881,585	15.3	0.0	23.5
FB	Noise sensitive point: User defined (1631)	358,844	4,881,590	15.3	0.0	23.4
FC	Noise sensitive point: User defined (1632)	358,955	4,880,391	9.8	0.0	24.1
FD	Noise sensitive point: User defined (1633)	358,918	4,880,408	8.7	0.0	24.2
FE	Noise sensitive point: User defined (1634)	358,934	4,880,428	9.4	0.0	24.1
FF	Noise sensitive point: User defined (1635)	358,791	4,881,608	16.0	0.0	23.6
FG	Noise sensitive point: User defined (1636)	358,739	4,881,634	16.5	0.0	23.7
FH	Noise sensitive point: User defined (1637)	358,801	4,881,647	16.6	0.0	23.5
FI	Noise sensitive point: User defined (1638)	358,588	4,881,651	13.5	0.0	24.2
FJ	Noise sensitive point: User defined (1639)	358,721	4,881,679	17.6	0.0	23.7
FK	Noise sensitive point: User defined (1640)	358,652	4,881,682	15.9	0.0	24.0
FL	Noise sensitive point: User defined (1641)	358,917	4,880,468	9.6	0.0	24.2
FM	Noise sensitive point: User defined (1642)	358,874	4,880,488	9.8	0.0	24.3
FN	Noise sensitive point: User defined (1643)	358,880	4,880,488	9.5	0.0	24.3
FO	Noise sensitive point: User defined (1644)	358,896	4,880,494	9.4	0.0	24.2
FP	Noise sensitive point: User defined (1645)	358,934	4,880,507	8.6	0.0	24.1
FQ	Noise sensitive point: User defined (1646)	358,875	4,880,508	9.5	0.0	24.3
FR	Noise sensitive point: User defined (1647)	358,653	4,881,716	16.3	0.0	23.9
FS	Noise sensitive point: User defined (1648)	358,459	4,881,756	17.9	0.0	24.5
FT	Noise sensitive point: User defined (1649)	358,424	4,881,768	20.1	0.0	24.6
FU	Noise sensitive point: User defined (1650)	358,380	4,881,781	19.9	0.0	24.8
FV	Noise sensitive point: User defined (1651)	358,477	4,881,791	19.7	0.0	24.4
FW	Noise sensitive point: User defined (1652)	358,359	4,881,792	20.7	0.0	24.8
FX	Noise sensitive point: User defined (1653)	358,436	4,881,803	22.2	0.0	24.5
FY	Noise sensitive point: User defined (1654)	358,421	4,881,809	20.9	0.0	24.6
FZ	Noise sensitive point: User defined (1655)	358,300	4,881,854	23.5	0.0	24.9
GA	Noise sensitive point: User defined (1656)	358,392	4,881,861	22.1	0.0	24.6
GB	Noise sensitive point: User defined (1657)	358,397	4,881,874	22.2	0.0	24.6
GC	Noise sensitive point: User defined (1658)	358,380	4,881,878	22.4	0.0	24.6
GD	Noise sensitive point: User defined (1659)	358,331	4,881,898	22.8	0.0	24.8
GE	Noise sensitive point: User defined (1660)	358,906	4,880,536	8.6	0.0	24.2
GF	Noise sensitive point: User defined (1661)	358,899	4,880,549	8.1	0.0	24.2
GG	Noise sensitive point: User defined (1662)	358,864	4,880,588	8.3	0.0	24.3
GH	Noise sensitive point: User defined (1663)	358,816	4,880,590	10.0	0.0	24.5
GI	Noise sensitive point: User defined (1664)	359,253	4,880,593	9.5	0.0	22.9
GJ	Noise sensitive point: User defined (1665)	358,769	4,880,593	10.2	0.0	24.7
GK	Noise sensitive point: User defined (1666)	358,851	4,880,598	7.6	0.0	24.3
GL	Noise sensitive point: User defined (1667)	358,729	4,880,602	8.7	0.0	24.8
GM	Noise sensitive point: User defined (1668)	358,783	4,880,608	10.0	0.0	24.6
GN	Noise sensitive point: User defined (1669)	358,300	4,881,909	21.7	0.0	24.8
GO	Noise sensitive point: User defined (1670)	358,221	4,882,029	22.3	0.0	24.9
GP	Noise sensitive point: User defined (1671)	358,158	4,882,075	24.8	0.0	25.1

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DECIBEL - Main Result

Calculation: Mersey - Noise - Dec 2022

...continued from previous page

No.	Name	Easting	Northing	Z [m]	Immission height [m]	Sound level From WTGs [dB(A)]
GQ	Noise sensitive point: User defined (1672)	358,182	4,882,075	25.4	0.0	25.0
GR	Noise sensitive point: User defined (1673)	358,839	4,880,622	6.9	0.0	24.4
GS	Noise sensitive point: User defined (1674)	358,818	4,880,633	7.1	0.0	24.4
GT	Noise sensitive point: User defined (1675)	358,751	4,880,637	8.1	0.0	24.7
GU	Noise sensitive point: User defined (1676)	359,318	4,880,644	10.9	0.0	22.6
GV	Noise sensitive point: User defined (1677)	359,270	4,880,646	10.4	0.0	22.8
GW	Noise sensitive point: User defined (1678)	358,608	4,880,652	7.9	0.0	25.2
GX	Noise sensitive point: User defined (1679)	359,380	4,880,653	12.4	0.0	22.4
GY	Noise sensitive point: User defined (1680)	359,304	4,880,661	11.1	0.0	22.6
GZ	Noise sensitive point: User defined (1681)	358,785	4,880,662	6.8	0.0	24.5
HA	Noise sensitive point: User defined (1682)	358,768	4,880,674	6.6	0.0	24.6
HB	Noise sensitive point: User defined (1683)	358,713	4,880,676	9.7	0.0	24.8
HC	Noise sensitive point: User defined (1684)	359,361	4,880,679	12.1	0.0	22.4
HD	Noise sensitive point: User defined (1685)	358,697	4,880,682	8.5	0.0	24.9
HE	Noise sensitive point: User defined (1686)	357,080	4,882,085	17.1	0.0	28.9
HF	Noise sensitive point: User defined (1687)	357,267	4,882,094	22.1	0.0	28.2
HG	Noise sensitive point: User defined (1688)	357,268	4,882,110	22.6	0.0	28.1
HH	Noise sensitive point: User defined (1689)	358,081	4,882,138	29.3	0.0	25.2
HI	Noise sensitive point: User defined (1690)	357,953	4,882,200	25.9	0.0	25.5
HJ	Noise sensitive point: User defined (1691)	359,284	4,880,691	11.7	0.0	22.7
HK	Noise sensitive point: User defined (1692)	358,744	4,880,703	6.3	0.0	24.7
HL	Noise sensitive point: User defined (1693)	358,708	4,880,705	6.7	0.0	24.8
HM	Noise sensitive point: User defined (1694)	358,691	4,880,705	6.6	0.0	24.9
HN	Noise sensitive point: User defined (1695)	359,342	4,880,708	13.1	0.0	22.5
HO	Noise sensitive point: User defined (1696)	359,269	4,880,730	13.0	0.0	22.7
HP	Noise sensitive point: User defined (1697)	359,344	4,880,733	13.1	0.0	22.5
HQ	Noise sensitive point: User defined (1698)	359,314	4,880,737	14.5	0.0	22.6
HR	Noise sensitive point: User defined (1699)	359,243	4,880,744	12.9	0.0	22.8
HS	Noise sensitive point: User defined (1700)	358,644	4,880,758	7.4	0.0	25.0
HT	Noise sensitive point: User defined (1701)	358,717	4,880,759	6.2	0.0	24.7
HU	Noise sensitive point: User defined (1702)	359,342	4,880,760	14.2	0.0	22.5
HV	Noise sensitive point: User defined (1703)	357,859	4,882,228	25.6	0.0	25.8
HW	Noise sensitive point: User defined (1704)	358,023	4,882,289	30.6	0.0	25.1
HX	Noise sensitive point: User defined (1705)	357,639	4,882,291	25.0	0.0	26.4
HY	Noise sensitive point: User defined (1706)	357,540	4,882,294	25.0	0.0	26.7
HZ	Noise sensitive point: User defined (1707)	357,661	4,882,297	24.7	0.0	26.3
IA	Noise sensitive point: User defined (1708)	358,083	4,882,303	31.6	0.0	24.9
IB	Noise sensitive point: User defined (1709)	358,012	4,882,304	30.2	0.0	25.1
IC	Noise sensitive point: User defined (1710)	357,628	4,882,306	25.4	0.0	26.4
ID	Noise sensitive point: User defined (1711)	357,761	4,882,314	24.8	0.0	26.0
IE	Noise sensitive point: User defined (1712)	357,916	4,882,317	26.7	0.0	25.4
IF	Noise sensitive point: User defined (1713)	357,659	4,882,318	24.6	0.0	26.3
IG	Noise sensitive point: User defined (1714)	357,874	4,882,320	26.4	0.0	25.6
IH	Noise sensitive point: User defined (1715)	357,809	4,882,324	26.7	0.0	25.8
II	Noise sensitive point: User defined (1716)	357,853	4,882,336	26.4	0.0	25.6
IJ	Noise sensitive point: User defined (1717)	359,233	4,880,761	13.3	0.0	22.8
IK	Noise sensitive point: User defined (1718)	359,201	4,880,776	13.2	0.0	22.9
IL	Noise sensitive point: User defined (1719)	359,215	4,880,786	14.6	0.0	22.9
IM	Noise sensitive point: User defined (1720)	358,660	4,880,787	8.1	0.0	24.9
IN	Noise sensitive point: User defined (1721)	358,915	4,880,789	5.5	0.0	24.0
IO	Noise sensitive point: User defined (1722)	359,257	4,880,792	15.5	0.0	22.7
IP	Noise sensitive point: User defined (1723)	358,708	4,880,798	5.8	0.0	24.7
IQ	Noise sensitive point: User defined (1724)	359,524	4,880,805	14.8	0.0	21.8
IR	Noise sensitive point: User defined (1725)	359,143	4,880,807	14.1	0.0	23.1
IS	Noise sensitive point: User defined (1726)	358,693	4,880,813	6.3	0.0	24.8
IT	Noise sensitive point: User defined (1727)	359,233	4,880,823	16.1	0.0	22.8
IU	Noise sensitive point: User defined (1728)	359,275	4,880,824	15.8	0.0	22.6
IV	Noise sensitive point: User defined (1729)	358,634	4,880,826	10.4	0.0	25.0
IW	Noise sensitive point: User defined (1730)	358,599	4,880,829	8.7	0.0	25.1
IX	Noise sensitive point: User defined (1731)	359,112	4,880,830	13.3	0.0	23.2
IY	Noise sensitive point: User defined (1732)	359,477	4,880,836	16.4	0.0	21.9
IZ	Noise sensitive point: User defined (1733)	359,558	4,880,836	15.8	0.0	21.6
JA	Noise sensitive point: User defined (1734)	359,132	4,880,840	14.9	0.0	23.1
JB	Noise sensitive point: User defined (1735)	358,068	4,882,359	31.7	0.0	24.8
JC	Noise sensitive point: User defined (1736)	358,028	4,882,365	31.1	0.0	25.0

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DECI BEL - Main Result

Calculation: Mersey - Noise - Dec 2022

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Noise sensitive area		Sound level				
No.	Name	Easting	Northing	Z	Immission height	From WTGs
				[m]	[m]	[dB(A)]
JD	Noise sensitive point: User defined (1737)	358,083	4,882,371	32.4	0.0	24.8
JE	Noise sensitive point: User defined (1738)	356,623	4,882,379	18.9	0.0	29.7
JF	Noise sensitive point: User defined (1739)	358,040	4,882,380	31.1	0.0	24.9
JG	Noise sensitive point: User defined (1740)	358,052	4,882,385	31.9	0.0	24.9
JH	Noise sensitive point: User defined (1741)	357,922	4,882,386	29.9	0.0	25.3
JI	Noise sensitive point: User defined (1742)	357,897	4,882,393	30.3	0.0	25.3
JJ	Noise sensitive point: User defined (1743)	357,886	4,882,412	30.6	0.0	25.3
JK	Noise sensitive point: User defined (1744)	357,851	4,882,414	30.4	0.0	25.5
JL	Noise sensitive point: User defined (1745)	357,814	4,882,421	29.1	0.0	25.6
JM	Noise sensitive point: User defined (1746)	357,845	4,882,422	30.5	0.0	25.5
JN	Noise sensitive point: User defined (1747)	357,868	4,882,427	30.5	0.0	25.4
JO	Noise sensitive point: User defined (1748)	357,738	4,882,444	28.0	0.0	25.8
JP	Noise sensitive point: User defined (1749)	358,606	4,880,849	9.9	0.0	25.1
JQ	Noise sensitive point: User defined (1750)	358,618	4,880,853	10.4	0.0	25.0
JR	Noise sensitive point: User defined (1751)	359,409	4,880,854	16.1	0.0	22.2
JS	Noise sensitive point: User defined (1752)	359,392	4,880,857	16.5	0.0	22.2
JT	Noise sensitive point: User defined (1753)	359,396	4,880,861	16.4	0.0	22.2
JU	Noise sensitive point: User defined (1754)	359,451	4,880,862	15.6	0.0	22.0
JV	Noise sensitive point: User defined (1755)	358,675	4,880,868	6.4	0.0	24.8
JW	Noise sensitive point: User defined (1756)	359,183	4,880,869	17.3	0.0	22.9
JX	Noise sensitive point: User defined (1757)	359,070	4,880,873	16.2	0.0	23.3
JY	Noise sensitive point: User defined (1758)	359,525	4,880,876	17.2	0.0	21.7
JZ	Noise sensitive point: User defined (1759)	359,269	4,880,883	17.6	0.0	22.6
KA	Noise sensitive point: User defined (1760)	359,426	4,880,884	16.7	0.0	22.1
KB	Noise sensitive point: User defined (1761)	358,577	4,880,884	7.4	0.0	25.1
KC	Noise sensitive point: User defined (1762)	359,166	4,880,886	17.3	0.0	23.0
KD	Noise sensitive point: User defined (1763)	359,086	4,880,888	16.8	0.0	23.3
KE	Noise sensitive point: User defined (1764)	358,666	4,880,889	5.9	0.0	24.8
KF	Noise sensitive point: User defined (1765)	359,263	4,880,893	17.5	0.0	22.6
KG	Noise sensitive point: User defined (1766)	359,208	4,880,896	17.9	0.0	22.8
KH	Noise sensitive point: User defined (1767)	358,703	4,880,896	5.2	0.0	24.7
KI	Noise sensitive point: User defined (1768)	359,284	4,880,897	17.0	0.0	22.6
KJ	Noise sensitive point: User defined (1769)	358,842	4,880,898	7.1	0.0	24.1
KK	Noise sensitive point: User defined (1770)	359,522	4,880,900	17.8	0.0	21.7
KL	Noise sensitive point: User defined (1771)	359,540	4,880,900	17.3	0.0	21.7
KM	Noise sensitive point: User defined (1772)	359,201	4,880,903	18.3	0.0	22.8
KN	Noise sensitive point: User defined (1773)	358,666	4,880,903	6.3	0.0	24.8
KO	Noise sensitive point: User defined (1774)	358,659	4,880,911	6.0	0.0	24.8
KP	Noise sensitive point: User defined (1775)	359,069	4,880,912	18.1	0.0	23.3
KQ	Noise sensitive point: User defined (1776)	359,491	4,880,916	19.1	0.0	21.8
KR	Noise sensitive point: User defined (1777)	358,832	4,880,916	7.0	0.0	24.2
KS	Noise sensitive point: User defined (1778)	359,117	4,880,918	18.2	0.0	23.1
KT	Noise sensitive point: User defined (1779)	357,824	4,882,449	29.7	0.0	25.5
KU	Noise sensitive point: User defined (1780)	357,750	4,882,464	29.4	0.0	25.7
KV	Noise sensitive point: User defined (1781)	357,712	4,882,521	32.4	0.0	25.7
KW	Noise sensitive point: User defined (1782)	359,051	4,880,925	19.4	0.0	23.4
KX	Noise sensitive point: User defined (1783)	358,498	4,880,926	6.7	0.0	25.4
KY	Noise sensitive point: User defined (1784)	359,127	4,880,939	18.0	0.0	23.1
KZ	Noise sensitive point: User defined (1785)	358,595	4,880,940	7.0	0.0	25.0
LA	Noise sensitive point: User defined (1786)	359,578	4,880,956	15.0	0.0	21.5
LB	Noise sensitive point: User defined (1787)	359,500	4,880,956	19.0	0.0	21.8
LC	Noise sensitive point: User defined (1788)	359,037	4,880,962	20.5	0.0	23.4
LD	Noise sensitive point: User defined (1789)	359,457	4,880,967	21.3	0.0	21.9
LE	Noise sensitive point: User defined (1790)	358,825	4,880,979	8.3	0.0	24.1
LF	Noise sensitive point: User defined (1791)	359,257	4,880,981	19.9	0.0	22.6
LG	Noise sensitive point: User defined (1792)	359,099	4,880,988	20.5	0.0	23.1
LH	Noise sensitive point: User defined (1793)	359,460	4,880,992	21.7	0.0	21.9
LI	Noise sensitive point: User defined (1794)	359,410	4,880,994	21.2	0.0	22.0
LJ	Noise sensitive point: User defined (1795)	358,638	4,880,998	6.6	0.0	24.8
LK	Noise sensitive point: User defined (1796)	359,249	4,881,008	19.8	0.0	22.6
LL	Noise sensitive point: User defined (1797)	359,027	4,881,010	20.5	0.0	23.4
LM	Noise sensitive point: User defined (1798)	359,301	4,881,014	24.0	0.0	22.4
LN	Noise sensitive point: User defined (1799)	358,573	4,881,014	6.5	0.0	25.0
LO	Noise sensitive point: User defined (1800)	359,300	4,881,025	23.8	0.0	22.4
LP	Noise sensitive point: User defined (1801)	359,081	4,881,029	22.8	0.0	23.2

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DECIBEL - Main Result

Calculation: Mersey - Noise - Dec 2022

...continued from previous page

Noise sensitive area		Sound level				
No.	Name	Easting	Northing	Z	Immission height	From WTGs
				[m]	[m]	[dB(A)]
LQ	Noise sensitive point: User defined (1802)	358,616	4,881,041	6.3	0.0	24.9
LR	Noise sensitive point: User defined (1803)	357,755	4,882,554	35.2	0.0	25.5
LS	Noise sensitive point: User defined (1804)	357,708	4,882,613	36.7	0.0	25.5
LT	Noise sensitive point: User defined (1805)	357,688	4,882,639	37.1	0.0	25.5
LU	Noise sensitive point: User defined (1806)	357,702	4,882,647	37.5	0.0	25.4
LV	Noise sensitive point: User defined (1807)	358,520	4,881,045	7.2	0.0	25.2
LW	Noise sensitive point: User defined (1808)	358,550	4,881,053	7.0	0.0	25.1
LX	Noise sensitive point: User defined (1809)	359,320	4,881,055	23.8	0.0	22.3
LY	Noise sensitive point: User defined (1810)	359,444	4,881,057	23.4	0.0	21.9
LZ	Noise sensitive point: User defined (1811)	359,398	4,881,058	23.6	0.0	22.0
MA	Noise sensitive point: User defined (1812)	358,840	4,881,060	6.6	0.0	24.0
MB	Noise sensitive point: User defined (1813)	358,510	4,881,064	7.6	0.0	25.2
MC	Noise sensitive point: User defined (1814)	359,366	4,881,075	24.7	0.0	22.1
MD	Noise sensitive point: User defined (1815)	359,389	4,881,083	24.4	0.0	22.1
ME	Noise sensitive point: User defined (1816)	358,842	4,881,083	6.8	0.0	24.0
MF	Noise sensitive point: User defined (1817)	358,497	4,881,085	9.1	0.0	25.2
MG	Noise sensitive point: User defined (1818)	359,076	4,881,086	22.9	0.0	23.1
MH	Noise sensitive point: User defined (1819)	359,105	4,881,087	22.4	0.0	23.0
MI	Noise sensitive point: User defined (1820)	359,475	4,881,093	23.3	0.0	21.7
MJ	Noise sensitive point: User defined (1821)	359,426	4,881,094	23.1	0.0	21.9
MK	Noise sensitive point: User defined (1822)	359,511	4,881,099	20.1	0.0	21.6
ML	Noise sensitive point: User defined (1823)	358,486	4,881,101	8.6	0.0	25.3
MM	Noise sensitive point: User defined (1824)	358,464	4,881,103	8.3	0.0	25.4
MN	Noise sensitive point: User defined (1825)	359,067	4,881,106	23.2	0.0	23.2
MO	Noise sensitive point: User defined (1826)	357,696	4,882,652	37.5	0.0	25.5
MP	Noise sensitive point: User defined (1827)	357,707	4,882,652	37.5	0.0	25.4
MQ	Noise sensitive point: User defined (1828)	357,609	4,882,658	34.3	0.0	25.7
MR	Noise sensitive point: User defined (1829)	357,674	4,882,674	37.0	0.0	25.5
MS	Noise sensitive point: User defined (1830)	357,590	4,882,676	33.9	0.0	25.7
MT	Noise sensitive point: User defined (1831)	357,687	4,882,689	37.3	0.0	25.4
MU	Noise sensitive point: User defined (1832)	357,656	4,882,695	36.0	0.0	25.5
MV	Noise sensitive point: User defined (1833)	357,625	4,882,718	35.1	0.0	25.5
MW	Noise sensitive point: User defined (1834)	357,467	4,882,726	36.4	0.0	26.0
MX	Noise sensitive point: User defined (1835)	357,433	4,882,740	36.0	0.0	26.1
MY	Noise sensitive point: User defined (1836)	357,479	4,882,753	36.0	0.0	25.9
MZ	Noise sensitive point: User defined (1837)	357,449	4,882,762	36.4	0.0	26.0
NA	Noise sensitive point: User defined (1838)	357,468	4,882,767	36.2	0.0	25.9
NB	Noise sensitive point: User defined (1839)	357,410	4,882,769	36.5	0.0	26.1
NC	Noise sensitive point: User defined (1840)	346,982	4,887,244	37.9	0.0	32.9
ND	Noise sensitive point: User defined (1841)	347,013	4,887,260	41.6	0.0	32.8
NE	Noise sensitive point: User defined (1842)	347,032	4,887,287	42.3	0.0	32.6

Distances (m)

NSA	WTG																					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
A	14075	13385	15582	11012	8880	13984	9392	11760	7890	9756	12836	13695	9804	7963	7911	7924	15158	13461	10038	10399	11554	11780
B	13155	12500	14682	10100	7950	13106	8472	10866	7049	8841	11937	12769	8895	7081	7122	7004	14247	12528	9110	9465	10624	10846
C	13651	12975	15166	10590	8451	13577	8968	11346	7503	9336	12420	13268	9384	7557	7547	7501	14737	13031	9612	9969	11126	11350
D	14007	13319	15515	10944	8811	13918	9324	11693	7831	9691	12769	13627	9736	7900	7856	7858	15090	13393	9972	10331	11487	11712
E	14164	13470	15668	11099	8970	14068	9481	11846	7977	9847	12922	13785	9891	8052	7993	8015	15245	13551	10130	10490	11645	11871
F	13979	13292	15488	10916	8784	13891	9297	11666	7807	9664	12741	13599	9708	7874	7833	7831	15062	13365	9944	10303	11459	11684
G	14192	13497	15696	11127	8998	14095	9509	11873	8004	9876	12949	13813	9919	8080	8020	8044	15273	13580	10159	10519	11674	11900
H	13428	12761	14948	10370	8227	13364	8745	11130	7302	9116	12202	13044	9164	7346	7360	7280	14517	12807	9389	9745	10903	11126
I	13062	12409	14590	10007	7857	13016	8379	10775	6971	8752	11845	12675	8803	6997	7051	6914	14155	12435	9020	9373	10533	10754
J	14049	13359	15556	10986	8855	13958	9367	11734	7874	9735	12810	13670	9778	7944	7897	7903	15132	13436	10016	10375	11531	11756
K	14085	13393	15591	11021	8891	13992	9403	11769	7907	9771	12845	13706	9813	7978	7928	7938	15167	13473	10052	10412	11567	11793
L	13985	13296	15493	10922	8790	13895	9302	11671	7816	9672	12746	13605	9714	7883	7843	7839	15068	13371	9952	10311	11467	11692
M	14012	13322	15519	10949	8818	13921	9330	11697	7842	9700	12773	13633	9740	7911	7868	7867	15094	13399	9980	10339	11495	11720
N	12981	12330	14510	9927	7776	12937	8298	10695	6904	8676	11765	12594	8723	6926	6991	6837	14074	12354	8941	9293	10454	10674
O	13035	12381	14563	9980	7831	12987	8352	10747	6956	8731	11817	12649	8776	6979	7039	6893	14127	12410	8997	9349	10510	10730
P	13623	12946	15137	10562	8425	13547	8940	11317	7489	9315	12391	13241	9355	7540	7536	7480	14709	13006	9589	9946	11104	11327
Q	14021	13329	15527	10957	8828	13928	9339	11705	7858	9713	12780	13642	9749	7925	7884	7880	15103	13410	9993	10351	11508	11732
R	12970	12317	14498	9915	7765	12924	8287	10682	6902	8669	11752	12583	8710	6921	6990	6830	14062	12344	8933	9284	10446	10665
S	13012	12358	14539	9956	7808	12964	8329	10723	6941	8712	11793	12626	8752	6962	7027	6873	14104	12387	8976	9328	10489	10709

To be continued on next page...

DECI BEL - Main Result

Calculation: Mersey - Noise - Dec 2022

...continued from previous page

WTG																						
NSA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
T	13994	13303	15500	10930	8801	13901	9312	11678	7836	9689	12754	13616	9722	7902	7864	7855	15076	13383	9967	10325	11482	11706
U	14104	13408	15607	11039	8912	14006	9422	11785	7939	9799	12861	13726	9830	8009	7962	7966	15185	13495	10079	10437	11594	11817
V	12925	12273	14454	9870	7721	12880	8243	10638	6867	8628	11708	12539	8666	6884	6960	6789	14018	12300	8891	9241	10404	10622
W	13074	12415	14598	10017	7871	13021	8391	10782	7002	8776	11853	12689	8812	7025	7084	6938	14164	12451	9041	9392	10554	10773
X	14086	13389	15588	11020	8894	13987	9403	11765	7927	9784	12842	13708	9812	7995	7952	7950	15166	13477	10062	10420	11577	11801
Y	13965	13272	15469	10900	8772	13870	9282	11647	7816	9664	12723	13586	9692	7880	7847	7830	15046	13354	9941	10297	11455	11678
Z	13615	12934	15127	10553	8420	13535	8933	11306	7501	9320	12381	13235	9346	7549	7552	7484	14700	13002	9591	9945	11105	11326
AA	13977	13282	15480	10912	8785	13880	9295	11658	7835	9681	12734	13599	9703	7898	7866	7847	15057	13369	9957	10313	11471	11693
AB	11788	10905	13156	8687	6786	11477	7162	9327	7077	8265	10419	11484	7468	6864	7394	6435	12791	11366	8350	8547	9798	9898
AC	12931	12275	14457	9875	7729	12881	8248	10641	6888	8644	11711	12546	8670	6902	6983	6804	14022	12309	8905	9253	10417	10634
AD	14137	13435	15636	11070	8947	14032	9454	11813	7985	9841	12890	13760	9861	8053	8008	8008	15215	13531	10119	10475	11634	11856
AE	13558	12877	15070	10496	8363	13478	8876	11249	7455	9267	12324	13178	9289	7499	7510	7430	14643	12945	9537	9889	11050	11270
AF	13045	12384	14568	9988	7845	12989	8362	10751	6994	8759	11822	12662	8782	7014	7082	6920	14135	12426	9021	9370	10534	10751
AG	13327	12654	14843	10266	8129	13256	8644	11024	7249	9039	12097	12945	9060	7282	7318	7201	14413	12711	9305	9656	10818	11037
AH	14135	13433	15634	11069	8946	14030	9453	11811	7988	9842	12888	13759	9859	8055	8012	8009	15213	13530	10120	10475	11634	11856
AI	14000	13302	15501	10934	8810	13899	9318	11678	7866	9710	12755	13623	9725	7928	7898	7876	15079	13394	9985	10340	11499	11721
AJ	14023	13323	15523	10957	8833	13921	9340	11700	7888	9733	12777	13646	9747	7951	7918	7898	15102	13417	10008	10363	11522	11744
AK	13349	12674	14864	10289	8153	13277	8667	11045	7273	9064	12118	12968	9082	7307	7342	7226	14435	12735	9330	9681	10843	11061
AL	12945	12285	14468	9888	7744	12891	8262	10652	6912	8665	11723	12561	8682	6925	7008	6825	14035	12325	8924	9271	10436	10652
AM	14038	13337	15538	10972	8849	13934	9356	11715	7907	9751	12791	13662	9762	7969	7937	7917	15117	13433	10026	10380	11540	11761
AN	13065	12399	14585	10006	7866	13004	8382	10767	7024	8787	11839	12682	8800	7043	7112	6947	14153	12448	9047	9395	10559	10775
AO	14090	13386	15588	11023	8902	13982	9408	11764	7957	9805	12841	13714	9813	8021	7986	7970	15167	13486	10080	10434	11594	11814
AP	13582	12896	15091	10519	8390	13497	8900	11270	7494	9302	12345	13204	9311	7537	7550	7464	14665	12973	9570	9920	11083	11301
AQ	13614	12927	15122	10551	8422	13527	8932	11301	7523	9333	12376	13236	9343	7567	7577	7496	14696	13005	9602	9953	11115	11333
AR	13957	13257	15457	10890	8768	13854	9275	11634	7838	9674	12711	13581	9681	7896	7873	7839	15035	13352	9947	10300	11461	11681
AS	13628	12939	15135	10564	8436	13539	8946	11313	7538	9349	12389	13250	9356	7583	7593	7512	14710	13020	9617	9968	11130	11348
AT	14077	13372	15574	11010	8889	13969	9395	11751	7950	9794	12828	13702	9800	8013	7979	7960	15154	13474	10069	10422	11583	11803
AU	14010	13308	15509	10943	8822	13905	9328	11686	7890	9729	12763	13635	9734	7950	7923	7894	15088	13407	10002	10355	11516	11736
AV	14031	13327	15529	10964	8844	13924	9349	11705	7912	9752	12783	13656	9754	7973	7945	7917	15109	13429	10025	10378	11539	11758
AW	14190	13480	15685	11122	9004	14076	9508	11860	8059	9910	12938	13816	9911	8125	8084	8075	15266	13590	10185	10539	11699	11919
AX	14087	13381	15584	11020	8901	13977	9405	11760	7965	9808	12837	13713	9810	8027	7995	7973	15164	13486	10082	10435	11596	11816
AY	12948	12283	14468	9889	7749	12888	8265	10651	6932	8678	11722	12565	8683	6942	7030	6837	14036	12331	8935	9280	10446	10661
AZ	13445	12761	14955	10382	8252	13362	8762	11134	7379	9171	12208	13066	9174	7414	7445	7333	14528	12835	9436	9785	10948	11165
BA	12961	12296	14481	9902	7763	12901	8278	10664	6945	8692	11735	12579	8696	6956	7042	6851	14049	12345	8949	9294	10460	10675
BB	14108	13401	15604	11040	8922	13997	9426	11780	7985	9829	12857	13733	9830	8048	8014	7994	15184	13507	10103	10456	11617	11837
BC	14174	13465	15669	11106	8989	14060	9493	11844	8048	9896	12922	13800	9896	8113	8073	8062	15250	13574	10171	10524	11685	11905
BD	13640	12948	15145	10575	8450	13548	8958	11323	7560	9368	12399	13263	9367	7603	7616	7530	14721	13034	9635	9984	11147	11365
BE	13687	12994	15191	10622	8498	13593	9005	11369	7604	9415	12445	13311	9414	7649	7656	7577	14768	13082	9682	10032	11195	11412
BG	14072	13365	15568	11004	8886	13961	9390	11744	7956	9797	12821	13698	9794	8017	7988	7961	15148	13471	10069	10421	11583	11802
BF	12843	12181	14365	9785	7645	12787	8160	10548	6847	8580	11619	12460	8580	6851	6953	6738	13932	12227	8834	9177	10345	10558
BH	13352	12669	14862	10289	8160	13271	8670	11042	7307	9087	12116	12974	9082	7336	7380	7248	14435	12744	9348	9695	10860	11076
BI	13297	12616	14808	10234	8104	13218	8614	10988	7258	9032	12062	12918	9027	7284	7334	7193	14381	12688	9293	9639	10805	11020
BJ	13496	12807	15002	10432	8305	13408	8814	11181	7438	9230	12256	13118	9224	7473	7503	7391	14577	12890	9494	9841	11006	11222
BK	13547	12856	15052	10482	8357	13456	8865	11230	7486	9281	12306	13170	9274	7523	7548	7443	14628	12942	9546	9893	11058	11274
BL	14066	13357	15560	10997	8881	13953	9384	11736	7959	9796	12814	13692	9787	8019	7993	7960	15141	13467	10068	10419	11581	11799
BM	14209	13495	15701	11139	9026	14090	9528	11876	8091	9938	12954	13836	9929	8156	8117	8103	15283	13612	10212	10563	11725	11944
BN	14248	13533	15739	11179	9065	14128	9567	11914	8128	9978	12993	13876	9968	8194	8152	8143	15322	13652	10251	10603	11765	11984
BO	12917	12249	14435	9857	7721	12853	8234	10617	6925	8661	11689	12536	8651	6931	7028	6819	14004	12304	8914	9257	10425	10637
BP	12852	12186	14371	9793	7655	12791	8169	10554	6868	8597	11626	12470	8587	6870	6975	6755	13940	12238	8849	9191	10359	10571
BQ	14156	13442	15648	11086	8972	14038	9474	11823	8046	9888	12901	13783	9876	8108	8076	8052	15230	13559	10160	10511	11673	11892
BR	13354	12668	14862	10290	8164	13269	8672	11041	7321	9096	12116	12977	9082	7348	7396	7257	14436	12748	9356	9702	10868	11082
BS	13454	12763	14959	10389	8265	13363	8772	11137	7415	9198	12212	13077	9180	7446	7485	7359	14534	12850	9459	9804	10970	11185
BT	14177	13460	15667	11107	8995	14055	9496	11842	8076	9915	12921	13805	9896	8137	8105	8079	15250	13582	10186	10		

DECI BEL - Main Result

Calculation: Mersey - Noise - Dec 2022

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Table with columns: WTG, NSA, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22. Rows include CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW.

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DECI BEL - Main Result

Calculation: Mersey - Noise - Dec 2022

...continued from previous page

Table with columns: WTG, NSA, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22. Rows include noise level data for various wind turbine locations (EX to HL).

To be continued on next page...

DECI BEL - Main Result

Calculation: Mersey - Noise - Dec 2022

...continued from previous page

NSA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
WTG																						
HM	13341	12742	14903	10305	8112	13355	8662	11098	6973	8874	12160	12937	9108	7055	6997	7051	14452	12670	9180	9566	10700	10947
HN	13977	13350	15524	10933	8754	13958	9296	11712	7574	9517	12780	13578	9733	7680	7563	7697	15081	13317	9829	10216	11349	11598
HO	13902	13275	15448	10857	8679	13883	9220	11636	7515	9448	12704	13503	9657	7616	7509	7627	15005	13243	9758	10144	11278	11525
HP	13975	13344	15519	10929	8753	13952	9293	11707	7585	9523	12774	13577	9728	7689	7577	7702	15077	13317	9833	10219	11353	11600
HQ	13945	13315	15489	10899	8723	13922	9263	11677	7559	9494	12745	13547	9698	7661	7553	7673	15047	13287	9804	10189	11324	11570
HR	13874	13245	15419	10829	8652	13854	9192	11607	7496	9425	12675	13476	9628	7595	7494	7603	14977	13216	9733	10118	11253	11499
HS	13284	12679	14842	10245	8057	13291	8604	11036	6952	8836	12099	12882	9048	7026	6984	7011	14393	12618	9137	9519	10657	10900
HT	13356	12747	14912	10316	8129	13359	8675	11105	7019	8909	12169	12954	9118	7096	7047	7084	14464	12691	9210	9592	10730	10974
HU	13967	13332	15509	10920	8747	13940	9285	11696	7593	9525	12764	13570	9719	7694	7588	7703	15068	13312	9833	10216	11353	11598
HV	12280	11477	13706	9189	7187	12061	7620	9876	7045	8459	10963	11946	7971	6917	7279	6612	13316	11784	8612	8867	10090	10235
HW	12437	11619	13854	9344	7354	12201	7780	10023	7212	8634	11111	12107	8126	7090	7439	6787	13468	11950	8786	9040	10264	10406
HX	12055	11248	13478	8962	6970	11832	7397	9648	6913	8276	10735	11723	7745	6764	7171	6431	13089	11566	8416	8662	9890	10027
HY	11956	11152	13381	8864	6872	11737	7298	9551	6839	8185	10637	11624	7646	6683	7105	6341	12991	11468	8322	8566	9794	9930
HZ	12076	11268	13498	8984	6993	11852	7419	9668	6934	8299	10755	11745	7766	6786	7190	6454	13110	11589	8439	8685	9913	10050
IA	12496	11674	13910	9402	7415	12255	7840	10079	7268	8696	11168	12167	8184	7149	7492	6848	13525	12011	8848	9101	10326	10468
IB	12425	11605	13840	9331	7344	12187	7769	10010	7212	8629	11098	12096	8113	7088	7441	6782	13455	11940	8779	9032	10256	10398
IC	12042	11234	13464	8950	6960	11818	7385	9634	6914	8271	10721	11712	7732	6763	7173	6426	13076	11556	8410	8654	9883	10019
ID	12173	11359	13592	9080	7093	11942	7517	9762	7022	8398	10849	11844	7862	6879	7271	6552	13205	11689	8539	8786	10013	10151
IE	12327	11508	13743	9234	7248	12090	7672	9913	7145	8544	11000	11999	8016	7012	7382	6697	13358	11844	8690	8939	10165	10305
IF	12072	11260	13492	8979	6992	11844	7415	9662	6946	8305	10749	11742	7761	6796	7204	6460	13104	11587	8443	8687	9916	10051
IG	12285	11467	13701	9192	7206	12049	7630	9871	7114	8505	10959	11957	7974	6978	7355	6659	13316	11802	8650	8898	10125	10264
IH	12220	11403	13637	9127	7141	11985	7565	9807	7066	8446	10894	11892	7909	6925	7312	6601	13251	11737	8589	8835	10063	10200
II	12263	11443	13678	9169	7186	12025	7608	9847	7107	8492	10935	11935	7951	6969	7351	6646	13293	11782	8634	8881	10108	10246
IJ	13860	13230	15404	10814	8639	13837	9178	11592	7493	9417	12660	13462	9613	7590	7493	7595	14962	13204	9724	10107	11244	11489
IK	13826	13195	15370	10780	8606	13803	9144	11558	7470	9389	12625	13429	9579	7564	7473	7566	14928	13171	9694	10076	11214	11458
IL	13838	13205	15380	10791	8618	13812	9156	11568	7486	9404	12636	13441	9590	7580	7490	7580	14939	13184	9708	10090	11228	11471
IM	13294	12683	14849	10253	8068	13295	8613	11041	6978	8857	12106	12893	9055	7050	7013	7030	14401	12631	9155	9535	10674	10916
IN	13543	12921	15092	10499	8320	13531	8861	11281	7212	9108	12348	13144	9299	7293	7232	7283	14647	12885	9409	9790	10929	11171
IO	13878	13242	15419	10831	8659	13850	9196	11606	7528	9446	12674	13482	9629	7622	7529	7623	14978	13226	9751	10132	11270	11514
IP	13339	12725	14892	10297	8114	13336	8658	11083	7027	8906	12148	12939	9098	7099	7059	7079	14445	12678	9204	9583	10723	10965
IQ	14138	13490	15672	11087	8922	14095	9455	11856	7780	9712	12927	13744	9884	7882	7770	7890	15235	13491	10018	10400	11538	11781
IR	13764	13130	15306	10716	8544	13738	9081	11493	7429	9337	12561	13367	9515	7517	7438	7512	14864	13111	9639	10019	11158	11400
IS	13321	12706	14873	10279	8098	13317	8640	11064	7020	8894	12130	12922	9080	7089	7055	7067	14427	12662	9191	9569	10710	10950
IT	13848	13209	15387	10799	8631	13815	9166	11573	7517	9427	12642	13453	9597	7608	7524	7603	14947	13199	9729	10108	11248	11489
IU	13890	13249	15428	10841	8673	13855	9207	11613	7557	9470	12683	13496	9638	7649	7561	7645	14989	13241	9772	10151	11291	11532
IV	13260	12645	14812	10218	8037	13256	8579	11003	6971	8838	12069	12861	9019	7037	7011	7010	14366	12601	9133	9509	10651	10890
IW	13225	12611	14778	10183	8002	13223	8544	10969	6941	8804	12034	12826	8985	7005	6983	6975	14331	12566	9098	9474	10616	10856
IX	13728	13092	15269	10680	8510	13700	9046	11456	7409	9309	12524	13333	9478	7494	7423	7484	14828	13077	9609	9987	11128	11369
IY	14085	13435	15617	11033	8871	14039	9402	11801	7747	9670	12872	13693	9830	7845	7743	7846	15181	13441	9973	10352	11492	11734
IZ	14165	13511	15695	11112	8951	14116	9482	11879	7823	9750	12950	13773	9909	7923	7814	7927	15260	13522	10054	10434	11574	11815
JA	13746	13108	15285	10697	8528	13715	9064	11472	7431	9331	12541	13351	9496	7516	7445	7505	14845	13097	9630	10008	11149	11389
JB	12476	11646	13884	9381	7402	12225	7823	10054	7290	8701	11142	12150	8162	7164	7520	6854	13502	11998	8848	9097	10323	10462
JC	12434	11604	13843	9339	7362	12184	7782	10012	7262	8665	11101	12109	8121	7133	7496	6819	13461	11957	8810	9058	10285	10423
JD	12489	11656	13895	9393	7417	12235	7837	10065	7309	8719	11154	12163	8175	7183	7539	6872	13514	12012	8865	9113	10340	10478
JE	11035	10246	12467	7943	5961	10836	6377	8638	6228	7376	9722	10704	6726	5989	6582	5545	12072	10554	7470	7684	8926	9042
JF	12445	11612	13851	9350	7375	12191	7793	10021	7281	8682	11110	12120	8131	7151	7515	6836	13470	11970	8826	9072	10300	10437
JG	12457	11623	13863	9361	7387	12202	7805	10032	7293	8695	11121	12132	8143	7164	7527	6849	13482	11982	8839	9085	10313	10450
JH	12327	11497	13735	9232	7258	12077	7675	9904	7192	8574	10993	12002	8014	7054	7436	6729	13353	11852	8714	8958	10187	10322
JI	12302	11471	13709	9207	7233	12051	7650	9879	7177	8553	10968	11977	7988	7036	7423	6708	13328	11828	8692	8935	10164	10299
JJ	12290	11456	13695	9194	7224	12035	7639	9865	7181	8551	10954	11966	7976	7038	7429	6706	13314	11818	8687	8928	10159	10291
JK	12254	11421	13660	9158	7188	12001	7603	9829	7154	8518	10918	11930	7940	7008	7405	6673	13278	11782	8653	8893	10124	10256
JL	12216	11383	13622	9121	7152	11963	7566	9791	7131	8486	10880	11893	7902	6981	7385	6642	13241	11746	8620	8858	10090	10221
JM	12247	11413	13652	9151	7183	11993	7597	9822	7155	8515	10911	11924	7933	7008	7407	6671	13271	11777	8650	8889	10120	10252
JN	12																					

DECI BEL - Main Result

Calculation: Mersey - Noise - Dec 2022

...continued from previous page

WTG																						
NSA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
KB	13193	12571	14741	10148	7972	13182	8511	10931	6945	8792	11997	12796	8948	7001	6994	6962	14296	12540	9081	9453	10599	10835
KC	13770	13125	15305	10719	8556	13731	9088	11490	7481	9372	12560	13378	9516	7562	7498	7545	14867	13127	9668	10042	11186	11424
KD	13691	13049	15228	10641	8477	13655	9009	11413	7408	9294	12483	13299	9439	7486	7429	7466	14789	13047	9588	9962	11107	11344
KE	13279	12653	14825	10233	8060	13263	8597	11014	7027	8880	12081	12883	9033	7087	7072	7051	14381	12628	9170	9543	10688	10924
KF	13864	13214	15396	10812	8652	13819	9182	11580	7572	9469	12651	13473	9609	7657	7585	7642	14960	13223	9765	10140	11284	11521
KG	13810	13161	15343	10758	8597	13767	9127	11527	7523	9415	12597	13418	9555	7605	7538	7588	14906	13168	9711	10085	11229	11466
KH	13314	12685	14858	10267	8096	13295	8632	11047	7063	8918	12114	12918	9067	7124	7107	7088	14415	12664	9208	9579	10725	10961
KI	13884	13233	15415	10832	8672	13838	9202	11599	7594	9491	12670	13493	9628	7678	7605	7664	14979	13244	9787	10161	11305	11542
KJ	13450	12816	14991	10402	8233	13424	8768	11178	7190	9055	12246	13056	9200	7257	7226	7226	14550	12803	9347	9719	10864	11100
KK	14118	13457	15644	11063	8908	14060	9435	11826	7814	9726	12898	13729	9858	7907	7813	7900	15210	13481	10024	10399	11543	11780
KL	14136	13474	15661	11081	8926	14077	9453	11843	7830	9743	12915	13747	9876	7924	7829	7918	15228	13499	10042	10417	11560	11798
KM	13802	13153	15334	10750	8589	13758	9119	11519	7520	9410	12589	13411	9547	7601	7537	7583	14898	13161	9705	10078	11223	11460
KN	13277	12649	14821	10230	8058	13258	8595	11010	7033	8884	12077	12881	9029	7092	7080	7053	14378	12627	9172	9543	10690	10924
KO	13268	12640	14812	10222	8051	13249	8586	11001	7030	8878	12068	12873	9021	7088	7078	7047	14370	12620	9166	9536	10683	10918
KP	13671	13025	15205	10619	8457	13631	8988	11390	7403	9282	12460	13279	9416	7478	7428	7453	14767	13029	9574	9946	11092	11328
KQ	14085	13423	15610	11029	8876	14026	9402	11792	7791	9698	12864	13696	9824	7882	7794	7871	15177	13449	9995	10368	11513	11750
KR	13437	12800	14976	10388	8221	13408	8754	11163	7189	9049	12231	13043	9186	7253	7227	7219	14536	12792	9338	9709	10856	11090
KS	13717	13068	15249	10665	8504	13674	9034	11434	7450	9330	12504	13325	9461	7525	7472	7502	14812	13076	9623	9995	11140	11376
KT	12224	11387	13627	9128	7164	11965	7576	9796	7156	8506	10885	11902	7910	7005	7412	6663	13247	11757	8638	8874	10107	10236
KU	12149	11311	13551	9053	7092	11890	7502	9721	7110	8444	10810	11828	7835	6952	7373	6601	13172	11684	8571	8805	10039	10166
KV	12107	11261	13503	9010	7058	11838	7462	9672	7118	8430	10762	11789	7791	6952	7388	6589	13126	11649	8551	8779	10016	10139
KW	13651	13004	15184	10599	8438	13610	8968	11369	7392	9266	12439	13259	9396	7465	7419	7437	14747	13010	9558	9929	11075	11310
KX	13108	12484	14654	10062	7889	13094	8426	10843	6892	8723	11910	12712	8862	6940	6951	6891	14210	12458	9007	9376	10524	10757
KY	13722	13070	15253	10669	8511	13676	9039	11437	7467	9343	12507	13332	9465	7541	7491	7514	14817	13084	9634	10004	11151	11386
KZ	13200	12570	14742	10152	7983	13179	8518	10931	6985	8821	11998	12806	8951	7037	7040	6989	14300	12554	9105	9473	10622	10854
LA	14163	13492	15683	11105	8958	14094	9480	11863	7887	9790	12937	13777	9899	7977	7890	7963	15252	13533	10085	10456	11603	11838
LB	14086	13418	15607	11029	8880	14020	9403	11788	7815	9714	12861	13699	9823	7902	7822	7886	15176	13455	10007	10378	11525	11759
LC	13630	12978	15160	10577	8419	13584	8947	11344	7394	9259	12415	13240	9373	7462	7426	7429	14724	12993	9547	9915	11064	11297
LD	14042	13374	15563	10985	8836	13976	9359	11744	7780	9673	12817	13655	9779	7864	7790	7845	15132	13412	9966	10336	11483	11717
LE	13418	12772	14951	10366	8206	13379	8735	11137	7209	9053	12206	13027	9163	7266	7254	7221	14514	12780	9337	9703	10854	11085
LF	13842	13180	15366	10786	8635	13783	9159	11549	7602	9478	12621	13455	9581	7677	7624	7649	14934	13211	9768	10136	11285	11517
LG	13685	13028	15212	10631	8477	13632	9002	11395	7461	9324	12467	13297	9426	7529	7492	7493	14778	13052	9611	9978	11128	11359
LH	14040	13368	15559	10982	8836	13970	9357	11739	7793	9680	12813	13654	9775	7874	7805	7851	15128	13412	9971	10339	11488	11720
LI	13990	13320	15510	10932	8786	13922	9307	11691	7748	9631	12764	13605	9727	7827	7762	7802	15079	13362	9921	10289	11438	11670
LJ	13230	12589	14766	10180	8018	13197	8548	10953	7049	8873	12021	12839	8977	7096	7107	7040	14327	12592	9153	9517	10669	10898
LK	13829	13163	15351	10772	8624	13766	9146	11533	7606	9475	12605	13443	9567	7678	7631	7645	14919	13201	9762	10128	11279	11509
LL	13611	12953	15137	10556	8404	13557	8928	11320	7405	9258	12392	13223	9351	7468	7442	7426	14703	12979	9542	9907	11058	11288
LM	13880	13211	15400	10822	8676	13813	9197	11581	7656	9528	12654	13494	9616	7730	7679	7697	14969	13253	9815	10181	11332	11562
LN	13164	12523	14700	10113	7952	13131	8481	10886	6998	8813	11955	12773	8911	7040	7063	6979	14261	12526	9091	9453	10606	10834
LO	13877	13206	15396	10819	8673	13809	9194	11577	7660	9529	12650	13492	9613	7732	7684	7698	14966	13251	9815	10180	11332	11561
LP	13661	12998	15184	10604	8456	13602	8978	11367	7463	9315	12439	13274	9399	7526	7499	7483	14752	13032	9598	9962	11114	11343
LQ	13201	12555	14733	10148	7991	13161	8518	10919	7048	8860	11988	12811	8945	7089	7113	7025	14296	12567	9136	9497	10651	10878
LR	12147	11294	13538	9049	7104	11871	7505	9708	7171	8483	10799	11831	7830	7006	7441	6641	13164	11694	8602	8828	10066	10187
LS	12096	11235	13481	8997	7062	11810	7457	9651	7175	8462	10742	11782	7778	7000	7453	6623	13109	11650	8575	8795	10035	10152
LT	12073	11209	13456	8974	7044	11783	7436	9626	7176	8454	10717	11761	7755	6998	7458	6615	13085	11631	8563	8780	10022	10137
LU	12087	11221	13469	8988	7059	11795	7451	9639	7193	8470	10730	11776	7769	7015	7475	6632	13098	11646	8580	8796	10039	10153
LV	13106	12463	14640	10054	7896	13070	8423	10826	6965	8767	11895	12716	8851	7001	7036	6932	14202	12471	9041	9401	10556	10782
LW	13134	12488	14667	10081	7925	13096	8451	10852	6995	8798	11922	12745	8878	7032	7065	6962	14229	12500	9072	9431	10587	10812
LX	13891	13216	15407	10831	8690	13817	9208	11587	7690	9554	12661	13507	9625	7760	7716	7722	14978	13268	9838	10201	11354	11582
LY	14013	13333	15526	10952	8813	13933	9330	11705	7804	9676	12780	13630	9745	7879	7824	7845	15098	13392	9962	10325	11478	11706
LZ	13967	13289	15481	10907	8767	13889	9284	11661	7763	9631	12735	13584	9700	7835	7785	7800	15053	13346	9916	10279	11432	11660
MA	13418	12760	14943	10362	8212	13364	8735	11127	7258	9084	12198	13031	9157	7307	7311	7250	14509	12789	9361	9722	10877	11103
MB	13093	12447	14625	10040	7884	13054	8410	10811	6965	8762	11880	12703	8837	6998	7038	6925	14188	12460	9034	9392	10549	10773
MC	13933	13253	15446	10872																		

Project:

21_7833_Mersey River Wind Farm

Licensed user:

Strum Consulting
1355 Bedford Highway
CA-BEDFORD B4A1C5
902.835.5560 (24/7)
Eric Johnson / ejohnson@strum.com
Calculated:
2022-12-16 12:48 PM/3.5.552

DECI BEL - Main Result

Calculation: Mersey - Noise - Dec 2022

...continued from previous page

WTG																						
NSA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
MQ	11993	11128	13375	8894	6967	11702	7358	9545	7130	8389	10636	11683	7675	6945	7421	6552	13004	11554	8494	8708	9951	10064
MR	12057	11187	13436	8958	7034	11761	7423	9607	7189	8455	10698	11748	7739	7007	7476	6618	13067	11620	8561	8775	10018	10131
MS	11974	11105	13353	8874	6951	11679	7339	9524	7129	8380	10615	11664	7655	6940	7422	6543	12983	11537	8482	8694	9938	10049
MT	12069	11196	13446	8969	7048	11769	7436	9616	7209	8473	10708	11760	7751	7026	7495	6636	13077	11634	8578	8791	10035	10146
MU	12037	11164	13414	8938	7018	11737	7405	9585	7190	8447	10676	11729	7719	7004	7479	6610	13045	11603	8550	8762	10006	10117
MV	12005	11130	13380	8905	6990	11702	7374	9550	7182	8428	10642	11698	7687	6992	7476	6593	13012	11574	8528	8737	9983	10091
MW	11847	10974	13223	8747	6833	11547	7216	9393	7072	8287	10485	11540	7528	6869	7379	6454	12854	11417	8381	8585	9833	9938
MX	11813	10938	13187	8712	6802	11511	7183	9358	7057	8263	10450	11506	7494	6850	7368	6431	12819	11384	8354	8556	9804	9908
MY	11857	10979	13229	8757	6848	11552	7228	9400	7099	8310	10492	11551	7538	6895	7408	6477	12862	11431	8401	8603	9852	9955
MZ	11827	10948	13198	8726	6820	11520	7198	9369	7083	8286	10461	11521	7508	6876	7395	6454	12832	11401	8376	8576	9825	9928
NA	11846	10965	13216	8745	6839	11538	7218	9387	7100	8306	10479	11541	7526	6894	7411	6474	12850	11421	8395	8596	9845	9948
NB	11788	10909	13159	8687	6782	11481	7160	9330	7060	8254	10422	11483	7469	6850	7375	6423	12793	11364	8342	8541	9790	9892
NC	3982	2007	3262	4227	6451	1659	5638	3119	10775	8503	2781	4555	4943	9934	11648	8777	3617	5408	7671	6891	7295	6621
ND	4007	2026	3296	4228	6445	1686	5632	3120	10773	8507	2795	4577	4937	9931	11646	8773	3649	5429	7675	6896	7307	6633
NE	4040	2056	3328	4246	6458	1719	5644	3139	10788	8526	2822	4608	4948	9946	11661	8787	3682	5459	7695	6917	7331	6659

WTG											
NSA	23	24	25	26	27	28	29	30	31	32	33
A	12082	12335	9516	4744	6998	6512	6275	4935	4536	4669	6579
B	11148	11404	8618	3818	6066	5599	5393	4001	3662	3870	5647
C	11652	11906	9104	4318	6568	6092	5869	4505	4132	4297	6151
D	12014	12267	9453	4677	6929	6447	6213	4867	4474	4613	6512
E	12173	12426	9606	4835	7088	6603	6364	5026	4625	4753	6671
F	11986	12239	9426	4650	6901	6420	6187	4839	4448	4589	6484
G	12202	12455	9635	4865	7117	6632	6393	5055	4653	4780	6700
H	11427	11681	8889	4096	6344	5873	5658	4280	3923	4108	5926
I	11055	11310	8532	3728	5973	5511	5309	3908	3580	3799	5555
J	12058	12311	9497	4722	6973	6491	6256	4911	4517	4654	6556
K	12094	12347	9532	4758	7009	6527	6291	4947	4552	4686	6593
L	11993	12246	9435	4658	6908	6428	6195	4846	4457	4598	6492
M	12021	12274	9463	4686	6936	6456	6223	4874	4484	4624	6520
N	10975	11229	8458	3650	5892	5435	5238	3827	3511	3740	5476
O	11030	11285	8513	3706	5947	5490	5292	3883	3564	3788	5532
P	11627	11880	9085	4296	6542	6072	5852	4480	4116	4286	6127
Q	12032	12284	9477	4699	6946	6470	6237	4885	4499	4640	6532
R	10965	11219	8453	3643	5881	5428	5234	3818	3507	3739	5467
S	11008	11262	8495	3686	5924	5471	5275	3861	3547	3775	5510
T	12006	12258	9453	4673	6920	6445	6214	4859	4476	4619	6506
U	12118	12369	9562	4785	7031	6555	6322	4971	4583	4719	6618
V	10921	11175	8414	3601	5837	5388	5196	3774	3471	3710	5424
W	11072	11326	8559	3750	5988	5535	5338	3925	3610	3833	5575
X	12100	12351	9547	4769	7013	6540	6308	4954	4569	4708	6601
Y	11978	12229	9429	4647	6891	6420	6192	4831	4454	4601	6479
Z	11625	11876	9092	4299	6538	6077	5861	4478	4125	4301	6127
AA	11992	12243	9447	4664	6905	6437	6210	4846	4472	4620	6495
AB	10085	10237	8216	3440	5022	5200	5279	3284	3812	4370	4916
AC	10931	11184	8431	3616	5846	5404	5215	3785	3491	3733	5437
AD	12155	12405	9605	4825	7067	6597	6366	5008	4627	4765	6657
AE	11568	11819	9041	4245	6482	6024	5811	4422	4077	4258	6072
AF	11048	11300	8545	3732	5962	5519	5326	3902	3600	3830	5554
AG	11335	11585	8819	4014	6248	5798	5594	4188	3863	4066	5839
AH	12155	12404	9607	4826	7066	6599	6368	5008	4629	4768	6657
AI	12019	12268	9477	4692	6930	6467	6240	4872	4503	4652	6522
AJ	12042	12291	9500	4715	6953	6490	6263	4895	4525	4673	6545
AK	11359	11609	8844	4040	6271	5823	5619	4213	3888	4090	5864
AL	10949	11200	8453	3636	5862	5426	5239	3803	3515	3758	5456
AM	12059	12307	9518	4733	6970	6508	6281	4913	4544	4692	6563
AN	11072	11322	8573	3758	5984	5547	5355	3926	3629	3861	5579
AO	12112	12360	9571	4786	7022	6561	6334	4966	4596	4741	6616
AP	11598	11847	9077	4278	6509	6059	5848	4452	4115	4299	6104
AQ	11630	11879	9108	4310	6541	6091	5879	4484	4145	4326	6136
AR	11978	12226	9443	4655	6888	6431	6208	4832	4471	4626	6483
AS	11645	11894	9124	4325	6556	6106	5894	4499	4160	4341	6151
AT	12100	12348	9562	4776	7010	6551	6325	4954	4587	4734	6605
AU	12033	12281	9498	4710	6943	6486	6262	4887	4525	4677	6538
AV	12055	12302	9521	4732	6965	6509	6285	4909	4547	4699	6561
AW	12216	12463	9676	4892	7126	6666	6438	5070	4699	4840	6721

To be continued on next page...

Project:

21_7833_Mersey River Wind Farm

Licensed user:

Strum Consulting
1355 Bedford Highway
CA-BEDFORD B4A1C5
902.835.5560 (24/7)
Eric Johnson / ejohnson@strum.com
Calculated:
2022-12-16 12:48 PM/3.5.552

DECI BEL - Main Result

Calculation: Mersey - Noise - Dec 2022

...continued from previous page

	WTG										
NSA	23	24	25	26	27	28	29	30	31	32	33
AX	12112	12359	9576	4789	7022	6565	6339	4967	4602	4749	6618
AY	10956	11205	8469	3648	5868	5440	5256	3811	3533	3780	5465
AZ	11461	11709	8951	4146	6372	5930	5726	4316	3994	4192	5969
BA	10970	11219	8482	3662	5881	5454	5269	3825	3546	3792	5479
BB	12133	12380	9597	4810	7043	6586	6360	4988	4622	4769	6639
BC	12201	12448	9663	4878	7111	6653	6425	5056	4687	4830	6707
BD	11660	11908	9144	4344	6570	6126	5915	4515	4182	4364	6168
BE	11708	11956	9190	4391	6618	6172	5961	4563	4226	4405	6216
BF	12098	12345	9565	4777	7007	6554	6329	4953	4592	4742	6605
BG	10852	11101	8374	3548	5763	5342	5165	3707	3446	3706	5363
BH	11370	11618	8870	4059	6280	5846	5648	4225	3918	4127	5880
BI	11314	11562	8817	4004	6224	5792	5596	4169	3867	4082	5824
BJ	11516	11763	9010	4204	6426	5989	5785	4372	4054	4250	6026
BK	11568	11815	9061	4256	6478	6040	5835	4424	4103	4296	6078
BL	12094	12340	9566	4775	7003	6553	6331	4950	4594	4746	6602
BM	12239	12485	9706	4919	7148	6695	6468	5094	4730	4874	6747
BN	12279	12525	9744	4959	7188	6734	6506	5134	4768	4909	6787
BO	10930	11178	8454	3629	5840	5423	5244	3786	3524	3779	5443
BP	10864	11112	8392	3565	5774	5360	5184	3720	3466	3729	5377
BQ	12186	12432	9657	4868	7095	6645	6420	5042	4683	4831	6695
BR	11375	11622	8881	4068	6284	5856	5660	4231	3931	4143	5887
BS	11477	11723	8981	4170	6386	5957	5758	4334	4028	4232	5989
BT	12211	12455	9685	4894	7118	6672	6449	5067	4712	4860	6720
BU	12238	12482	9712	4922	7145	6700	6477	5094	4739	4887	6748
BV	12106	12350	9586	4792	7013	6572	6352	4962	4616	4773	6616
BW	11570	11815	9073	4264	6478	6051	5849	4427	4118	4317	6083
BX	10822	11068	8361	3529	5730	5327	5157	3679	3442	3714	5338
BY	12189	12433	9667	4875	7096	6654	6432	5045	4695	4847	6699
BZ	12231	12475	9708	4916	7138	6695	6472	5087	4735	4884	6741
CA	11446	11691	8957	4143	6353	5932	5737	4303	4008	4219	5960
CB	12234	12478	9714	4921	7141	6700	6479	5091	4742	4892	6746
CC	11340	11585	8858	4040	6248	5831	5641	4198	3914	4135	5856
CD	12211	12454	9692	4898	7118	6678	6457	5068	4721	4873	6723
CE	11476	11720	8988	4174	6383	5963	5767	4333	4038	4247	5991
CF	10910	11155	8450	3619	5818	5416	5244	3768	3528	3793	5428
CG	11373	11617	8891	4074	6280	5864	5673	4231	3946	4165	5889
CH	10806	11051	8353	3518	5714	5317	5151	3664	3438	3715	5325
CI	12415	12658	9891	5102	7321	6879	6654	5272	4916	5056	6927
CJ	11544	11788	9056	4242	6451	6031	5834	4402	4104	4309	6059
CK	11356	11600	8876	4058	6263	5849	5659	4214	3932	4154	5872
CL	12301	12544	9782	4989	7207	6769	6547	5158	4809	4957	6813
CM	11004	11249	8542	3713	5911	5509	5334	3862	3615	3872	5522
CN	11014	11259	8552	3723	5922	5519	5344	3873	3625	3880	5532
CO	12242	12485	9726	4932	7148	6712	6492	5100	4755	4908	6755
CP	10797	11042	8347	3511	5704	5311	5146	3656	3434	3714	5317
CQ	10845	11089	8394	3559	5752	5358	5192	3704	3478	3753	5365
CR	11441	11685	8961	4143	6348	5934	5742	4299	4014	4229	5958
CS	10824	11069	8374	3539	5731	5338	5173	3683	3460	3738	5344
CT	11482	11726	9000	4184	6389	5974	5780	4340	4052	4264	5999
CU	5629	5634	5369	3650	1890	3667	4365	3056	4593	5334	2764
CV	10903	11147	8450	3616	5810	5415	5246	3762	3531	3800	5423
CW	12370	12612	9852	5060	7276	6839	6617	5228	4879	5025	6884
CX	11018	11262	8560	3730	5925	5527	5353	3877	3635	3892	5538
CY	11561	11804	9077	4263	6467	6052	5856	4420	4127	4332	6078
CZ	11593	11835	9108	4294	6499	6084	5887	4451	4157	4361	6110
DA	11526	11769	9046	4229	6432	6020	5826	4385	4097	4307	6044
DB	12344	12586	9829	5036	7250	6816	6594	5202	4857	5005	6859
DC	11000	11243	8545	3713	5906	5511	5339	3859	3621	3882	5520
DD	12322	12563	9808	5013	7227	6793	6573	5180	4836	4986	6836
DE	10825	11069	8380	3543	5732	5344	5180	3685	3468	3748	5347
DF	12224	12465	9715	4917	7129	6699	6482	5082	4745	4902	6739
DG	11464	11706	8988	4169	6369	5961	5771	4323	4043	4260	5982
DH	11015	11257	8561	3729	5921	5527	5356	3874	3638	3899	5536
DI	11416	11658	8946	4124	6321	5917	5730	4276	4004	4226	5936
DJ	11389	11631	8921	4098	6294	5891	5705	4249	3980	4205	5909
DK	12346	12586	9837	5040	7250	6821	6603	5205	4866	5017	6862

To be continued on next page...

Project:

21_7833_Mersey River Wind Farm

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CA-BEDFORD B4A1C5
902.835.5560 (24/7)
Eric Johnson / ejohnson@strum.com
Calculated:
2022-12-16 12:48 PM/3.5.552

DECI BEL - Main Result

Calculation: Mersey - Noise - Dec 2022

...continued from previous page

	WTG										
NSA	23	24	25	26	27	28	29	30	31	32	33
DL	12401	12641	9890	5095	7305	6876	6656	5260	4919	5067	6917
DM	11511	11752	9038	4218	6416	6011	5820	4371	4093	4307	6031
DN	12373	12613	9864	5068	7277	6849	6630	5232	4893	5044	6889
DO	11478	11719	9012	4190	6382	5983	5796	4339	4070	4291	6000
DP	12382	12622	9878	5080	7286	6862	6645	5242	4908	5060	6900
DQ	12245	12484	9746	4944	7148	6728	6515	5105	4779	4941	6763
DR	12312	12551	9811	5010	7215	6794	6579	5171	4843	5000	6830
DS	11501	11742	9036	4214	6405	6007	5820	4363	4094	4313	6024
DT	12260	12499	9761	4959	7163	6743	6530	5120	4794	4955	6778
DU	11536	11776	9071	4249	6440	6043	5855	4398	4128	4345	6059
DV	11465	11704	9003	4179	6368	5973	5788	4326	4063	4286	5988
DW	12284	12523	9786	4984	7187	6768	6555	5144	4819	4979	6803
DX	12327	12566	9827	5026	7230	6810	6595	5187	4859	5016	6846
DY	10840	11080	8413	3571	5743	5375	5219	3703	3510	3799	5368
DZ	11453	11692	8997	4171	6356	5966	5784	4315	4059	4287	5978
EA	11519	11758	9060	4236	6422	6031	5845	4382	4120	4341	6044
EB	12342	12580	9847	5045	7245	6829	6616	5203	4880	5039	6863
EC	10832	11072	8410	3566	5736	5370	5216	3696	3509	3800	5362
ED	11468	11707	9012	4186	6371	5982	5799	4331	4075	4301	5993
EE	12309	12547	9818	5013	7212	6799	6587	5171	4852	5013	6831
EF	12312	12549	9824	5018	7214	6804	6594	5174	4859	5023	6834
EG	11491	11728	9041	4213	6393	6010	5829	4355	4105	4333	6018
EH	11381	11618	8937	4106	6283	5904	5728	4245	4007	4245	5910
EI	12373	12609	9886	5081	7275	6867	6656	5236	4921	5082	6897
EJ	12332	12568	9847	5041	7233	6827	6618	5195	4883	5048	6856
EK	11345	11582	8911	4076	6247	5876	5704	4211	3985	4230	5877
EL	11314	11550	8881	4046	6216	5846	5676	4180	3957	4205	5846
EM	10875	11111	8466	3619	5776	5425	5275	3742	3570	3864	5410
EN	11419	11654	8989	4154	6320	5955	5783	4287	4063	4306	5953
EO	5136	5109	5204	4053	1998	3839	4569	3483	4975	5693	2936
EP	5591	5585	5397	3741	1950	3739	4441	3148	4683	5423	2834
EQ	5625	5621	5414	3721	1953	3736	4435	3126	4664	5406	2832
ER	5519	5508	5379	3808	1969	3771	4479	3218	4747	5484	2866
ES	10849	10955	9186	4464	5865	6196	6308	4265	4855	5402	5854
ET	11447	11681	9020	4185	6347	5985	5815	4315	4095	4338	5983
EU	11378	11612	8955	4118	6278	5919	5752	4247	4034	4283	5914
EV	11414	11646	8995	4156	6313	5959	5791	4284	4074	4323	5952
EW	11143	11375	8739	3894	6042	5700	5545	4014	3835	4111	5683
EX	11427	11659	9011	4172	6326	5975	5808	4298	4091	4340	5966
EY	11435	11666	9021	4181	6333	5984	5819	4306	4101	4351	5975
EZ	11411	11640	9009	4166	6308	5970	5810	4285	4095	4353	5955
FA	11396	11625	9000	4155	6293	5961	5803	4272	4089	4350	5943
FB	11412	11640	9016	4171	6309	5977	5819	4288	4105	4366	5959
FC	11556	11848	8805	4153	6531	5853	5548	4435	3811	3855	6017
FD	11518	11810	8773	4115	6492	5818	5515	4396	3779	3828	5980
FE	11533	11824	8793	4131	6504	5836	5536	4409	3798	3851	5995
FF	11359	11587	8972	4125	6256	5932	5778	4237	4067	4336	5909
FG	11309	11534	8932	4082	6205	5890	5742	4189	4034	4312	5862
FH	11370	11595	8994	4144	6266	5953	5803	4252	4094	4367	5925
FI	11157	11382	8795	3941	6053	5751	5612	4041	3911	4206	5715
FJ	11292	11515	8930	4076	6187	5887	5745	4177	4040	4326	5851
FK	11223	11446	8867	4011	6118	5822	5684	4109	3982	4275	5784
FL	11513	11801	8784	4113	6480	5823	5528	4385	3790	3851	5976
FM	11468	11756	8746	4069	6434	5782	5490	4339	3751	3819	5932
FN	11474	11762	8752	4075	6440	5788	5496	4346	3758	3825	5938
FO	11489	11777	8769	4091	6455	5805	5513	4360	3774	3842	5953
FP	11527	11813	8809	4129	6490	5844	5553	4396	3814	3882	5991
FQ	11468	11754	8751	4070	6432	5786	5496	4338	3757	3828	5932
FR	11225	11446	8879	4022	6119	5834	5699	4114	4000	4297	5790
FS	11032	11251	8712	3849	5926	5664	5544	3928	3856	4179	5606
FT	10998	11216	8683	3819	5891	5635	5519	3896	3833	4162	5574
FU	10955	11172	8647	3782	5848	5598	5486	3855	3803	4139	5533
FV	11052	11269	8742	3877	5946	5693	5577	3952	3890	4217	5631
FW	10934	11151	8632	3766	5828	5583	5473	3836	3792	4132	5515
FX	11012	11228	8708	3843	5905	5659	5546	3914	3862	4195	5593
FY	10996	11212	8695	3830	5890	5646	5535	3900	3853	4188	5578

To be continued on next page...

Project:

21_7833_Mersey River Wind Farm

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Strum Consulting
1355 Bedford Highway
CA-BEDFORD B4A1C5
902.835.5560 (24/7)
Eric Johnson / ejohnson@strum.com
Calculated:
2022-12-16 12:48 PM/3.5.552

DECI BEL - Main Result

Calculation: Mersey - Noise - Dec 2022

...continued from previous page

	WTG										
NSA	23	24	25	26	27	28	29	30	31	32	33
FZ	10878	11092	8600	3732	5771	5550	5451	3790	3779	4134	5470
GA	10971	11184	8688	3821	5864	5638	5535	3881	3858	4204	5561
GB	10976	11188	8697	3829	5869	5646	5545	3888	3869	4216	5568
GC	10959	11171	8683	3815	5852	5632	5532	3872	3857	4207	5552
GD	10911	11122	8645	3776	5804	5594	5499	3829	3829	4186	5509
GE	11497	11782	8787	4101	6458	5820	5532	4365	3793	3868	5962
GF	11489	11773	8783	4094	6448	5814	5529	4356	3789	3867	5954
GG	11452	11734	8759	4059	6408	5785	5505	4317	3765	3853	5919
GH	11404	11686	8712	4011	6361	5738	5459	4269	3719	3811	5871
GI	11839	12120	9139	4448	6792	6171	5883	4702	4145	4209	6307
GJ	11356	11639	8667	3964	6313	5691	5414	4221	3674	3770	5823
GK	11438	11720	8747	4046	6393	5773	5494	4302	3754	3845	5905
GL	11316	11598	8630	3924	6272	5652	5378	4180	3637	3738	5783
GM	11369	11651	8684	3978	6325	5707	5432	4233	3691	3789	5837
GN	10881	11091	8621	3752	5774	5570	5478	3801	3811	4173	5481
GO	10809	11012	8594	3724	5703	5542	5470	3750	3819	4206	5431
GP	10750	10950	8555	3685	5644	5503	5440	3701	3799	4199	5381
GQ	10774	10974	8578	3707	5668	5525	5461	3724	3818	4215	5405
GR	11424	11705	8742	4035	6378	5764	5489	4287	3749	3845	5893
GS	11403	11683	8724	4014	6356	5745	5472	4265	3732	3831	5872
GT	11336	11616	8660	3947	6289	5679	5409	4198	3668	3774	5805
GU	11902	12179	9214	4514	6849	6242	5959	4762	4220	4289	6372
GV	11854	12131	9167	4466	6802	6195	5913	4714	4173	4246	6324
GW	11193	11473	8524	3805	6146	5540	5275	4055	3534	3654	5662
GX	11962	12239	9275	4576	6909	6304	6021	4822	4281	4348	6433
GY	11886	12163	9203	4500	6832	6230	5949	4745	4209	4282	6357
GZ	11368	11647	8698	3981	6318	5716	5448	4229	3707	3815	5838
HA	11351	11629	8684	3965	6300	5701	5434	4211	3694	3805	5821
HB	11296	11574	8631	3910	6245	5647	5382	4156	3641	3758	5766
HC	11942	12218	9263	4558	6887	6289	6009	4801	4269	4342	6414
HD	11279	11558	8617	3894	6229	5632	5368	4140	3628	3746	5750
HE	9676	9872	7585	2746	4572	4543	4566	2677	3047	3590	4349
HF	9862	10058	7756	2908	4758	4711	4718	2855	3172	3690	4529
HG	9865	10060	7764	2917	4761	4720	4728	2861	3185	3704	4535
HH	10678	10874	8511	3643	5573	5459	5409	3644	3780	4197	5323
HI	10555	10746	8420	3555	5452	5369	5335	3538	3725	4164	5216
HJ	11865	12140	9191	4481	6809	6215	5938	4723	4198	4277	6337
HK	11325	11602	8669	3942	6273	5682	5420	4185	3679	3798	5797
HL	11289	11566	8634	3907	6237	5647	5386	4149	3645	3767	5761
HM	11272	11549	8617	3889	6220	5630	5369	4131	3629	3752	5744
HN	11922	12196	9251	4540	6864	6274	5998	4779	4258	4337	6395
HO	11848	12121	9185	4468	6789	6205	5933	4704	4192	4279	6322
HP	11923	12196	9258	4543	6863	6280	6006	4779	4266	4349	6397
HQ	11893	12166	9230	4513	6833	6251	5978	4749	4238	4323	6367
HR	11822	12094	9163	4443	6762	6182	5911	4678	4171	4262	6296
HS	11222	11497	8585	3845	6166	5592	5339	4079	3599	3737	5697
HT	11296	11570	8656	3918	6238	5664	5410	4152	3669	3801	5770
HU	11919	12190	9262	4541	6857	6281	6011	4774	4270	4358	6395
HV	10464	10654	8347	3486	5362	5298	5274	3458	3676	4130	5135
HW	10633	10819	8522	3660	5533	5472	5444	3634	3837	4278	5310
HX	10251	10436	8178	3328	5152	5133	5134	3273	3567	4055	4944
HY	10152	10337	8090	3246	5054	5047	5057	3182	3502	4003	4851
HZ	10273	10458	8200	3350	5175	5155	5155	3295	3586	4072	4967
IA	10694	10880	8582	3719	5594	5532	5502	3695	3891	4326	5371
IB	10623	10809	8518	3657	5524	5469	5444	3628	3839	4283	5303
IC	10241	10425	8174	3326	5143	5130	5133	3268	3570	4061	4938
ID	10374	10558	8296	3444	5275	5250	5245	3394	3667	4142	5067
IE	10528	10713	8437	3579	5430	5389	5372	3541	3779	4235	5215
IF	10273	10456	8207	3359	5175	5163	5165	3301	3600	4088	4972
IG	10487	10671	8400	3544	5388	5353	5340	3503	3751	4213	5176
IH	10423	10606	8344	3491	5325	5298	5289	3443	3708	4178	5116
II	10468	10651	8389	3534	5370	5342	5332	3488	3747	4213	5161
IJ	11810	12082	9157	4433	6749	6174	5906	4666	4165	4260	6286
IK	11778	12049	9130	4402	6716	6145	5879	4633	4139	4238	6254
IL	11791	12062	9145	4416	6728	6160	5895	4646	4155	4255	6268
IM	11237	11510	8607	3862	6178	5612	5363	4093	3623	3765	5713

To be continued on next page...

DECI BEL - Main Result

Calculation: Mersey - Noise - Dec 2022

...continued from previous page

	WTG										
NSA	23	24	25	26	27	28	29	30	31	32	33
IN	11491	11763	8855	4117	6430	5864	5607	4346	3867	3989	5968
IO	11833	12103	9188	4459	6770	6203	5937	4688	4197	4295	6310
IP	11284	11556	8657	3911	6224	5662	5412	4140	3672	3812	5761
IQ	12100	12368	9451	4726	7033	6469	6199	4953	4458	4543	6578
IR	11719	11989	9081	4346	6655	6092	5832	4573	4091	4200	6197
IS	11269	11540	8646	3897	6207	5650	5402	4124	3663	3807	5747
IT	11807	12076	9171	4436	6742	6183	5922	4661	4182	4287	6286
IU	11850	12119	9213	4479	6784	6226	5964	4704	4223	4326	6329
IV	11209	11480	8592	3839	6147	5593	5349	4063	3610	3762	5687
IW	11174	11444	8559	3804	6112	5559	5317	4028	3578	3733	5653
IX	11686	11955	9056	4316	6621	6065	5808	4540	4068	4183	6165
IY	12051	12318	9411	4680	6983	6426	6161	4904	4420	4513	6530
IZ	12132	12399	9490	4762	7063	6507	6239	4985	4499	4586	6612
JA	11706	11974	9078	4337	6640	6087	5830	4560	4090	4205	6186
JB	10684	10867	8592	3733	5586	5544	5521	3699	3918	4360	5373
JC	10644	10826	8559	3700	5547	5511	5491	3663	3893	4341	5336
JD	10700	10882	8611	3751	5602	5562	5540	3716	3937	4379	5391
JE	9249	9423	7327	2581	4163	4317	4426	2396	3047	3676	4027
JF	10658	10839	8576	3718	5561	5528	5510	3679	3912	4360	5352
JG	10671	10852	8589	3731	5574	5541	5522	3692	3924	4371	5366
JH	10541	10722	8473	3619	5445	5427	5417	3571	3832	4294	5242
JI	10517	10697	8454	3601	5422	5408	5401	3550	3819	4285	5221
JJ	10509	10687	8453	3602	5414	5407	5404	3547	3825	4295	5217
JK	10473	10652	8421	3572	5379	5377	5376	3514	3801	4275	5184
JL	10437	10615	8392	3545	5344	5348	5351	3483	3781	4260	5151
JM	10468	10646	8420	3571	5374	5375	5376	3511	3803	4278	5181
JN	10492	10669	8443	3594	5398	5398	5398	3535	3823	4296	5204
JO	10365	10541	8335	3493	5272	5293	5304	3421	3746	4236	5087
JP	11180	11450	8570	3813	6116	5570	5330	4034	3591	3749	5660
JQ	11192	11461	8584	3825	6128	5583	5343	4046	3604	3762	5672
JR	11983	12249	9350	4614	6914	6362	6101	4836	4360	4459	6463
JS	11965	12232	9334	4598	6896	6346	6085	4818	4345	4445	6446
JT	11969	12235	9339	4602	6900	6351	6090	4822	4349	4451	6450
JU	12024	12290	9393	4657	6955	6405	6143	4877	4403	4501	6506
JV	11249	11517	8643	3884	6183	5642	5402	4102	3663	3819	5730
JW	11756	12022	9134	4389	6687	6141	5887	4608	4147	4263	6237
JX	11643	11910	9026	4278	6574	6031	5780	4496	4040	4166	6125
JY	12097	12362	9467	4731	7026	6480	6218	4950	4477	4573	6579
JZ	11841	12107	9221	4476	6771	6228	5973	4694	4233	4346	6323
KA	11998	12263	9373	4633	6927	6384	6125	4851	4384	4487	6480
KB	11150	11417	8552	3787	6083	5548	5313	4003	3575	3743	5632
KC	11738	12004	9122	4374	6668	6128	5876	4591	4136	4256	6221
KD	11658	11924	9045	4294	6589	6049	5800	4511	4060	4186	6141
KE	11238	11506	8639	3876	6171	5636	5399	4091	3661	3821	5721
KF	11835	12100	9218	4471	6764	6224	5971	4687	4230	4346	6318
KG	11780	12045	9165	4417	6709	6171	5919	4632	4179	4298	6263
KH	11275	11542	8676	3913	6207	5673	5436	4128	3698	3857	5758
KI	11856	12121	9239	4493	6785	6246	5992	4708	4252	4367	6339
KJ	11414	11680	8811	4052	6345	5811	5570	4267	3831	3978	5897
KK	12094	12358	9471	4730	7021	6481	6222	4946	4481	4581	6577
KL	12112	12376	9488	4748	7039	6499	6239	4964	4498	4597	6595
KM	11773	12038	9160	4411	6702	6166	5915	4626	4174	4296	6257
KN	11238	11505	8643	3878	6170	5639	5404	4091	3666	3829	5722
KO	11231	11497	8638	3871	6162	5634	5400	4084	3662	3827	5715
KP	11641	11905	9035	4280	6569	6037	5791	4493	4051	4183	6125
KQ	12062	12326	9445	4701	6989	6453	6196	4915	4456	4560	6547
KR	11403	11668	8806	4044	6333	5804	5566	4256	3827	3978	5888
KS	11689	11953	9083	4328	6617	6085	5839	4541	4099	4229	6173
KT	10451	10627	8414	3569	5358	5370	5376	3503	3808	4289	5170
KU	10379	10554	8355	3515	5288	5314	5327	3440	3770	4261	5106
KV	10348	10519	8348	3515	5260	5309	5332	3428	3786	4287	5090
KW	11623	11886	9021	4263	6551	6022	5777	4475	4038	4174	6107
KX	11070	11336	8487	3713	6001	5479	5252	3922	3516	3699	5555
KY	11697	11960	9097	4339	6624	6098	5854	4549	4114	4247	6183
KZ	11166	11431	8584	3810	6095	5577	5349	4018	3612	3788	5652
LA	12148	12409	9539	4791	7072	6546	6291	5000	4551	4656	6635

To be continued on next page...

Project:

21_7833_Mersey River Wind Farm

Licensed user:

Strum Consulting
1355 Bedford Highway
CA-BEDFORD B4A1C5
902.835.5560 (24/7)
Eric Johnson / ejohnson@strum.com
Calculated:
2022-12-16 12:48 PM/3.5.552

DECIBEL - Main Result

Calculation: Mersey - Noise - Dec 2022

...continued from previous page

WTG											
NSA	23	24	25	26	27	28	29	30	31	32	33
LB	12070	12331	9463	4713	6994	6469	6216	4922	4476	4586	6557
LC	11607	11869	9016	4252	6533	6014	5775	4459	4036	4179	6094
LD	12027	12287	9424	4671	6950	6429	6178	4879	4438	4553	6515
LE	11394	11656	8816	4043	6319	5809	5578	4246	3841	4004	5883
LF	11826	12087	9234	4473	6750	6234	5990	4678	4251	4381	6315
LG	11668	11928	9083	4316	6591	6080	5841	4519	4102	4245	6157
LH	12029	12288	9433	4676	6951	6436	6188	4880	4448	4566	6518
LI	11979	12238	9385	4626	6901	6387	6140	4830	4400	4523	6468
LJ	11207	11468	8641	3859	6131	5630	5408	4058	3672	3855	5697
LK	11817	12076	9233	4467	6739	6231	5991	4669	4251	4387	6308
LL	11596	11855	9019	4247	6518	6014	5780	4447	4042	4194	6086
LM	11870	12128	9285	4520	6791	6284	6042	4721	4303	4436	6360
LN	11142	11402	8583	3797	6066	5570	5352	3993	3618	3810	5633
LO	11868	12126	9287	4521	6789	6285	6045	4720	4306	4440	6360
LP	11650	11908	9077	4303	6571	6071	5838	4501	4100	4251	6142
LQ	11183	11442	8632	3842	6105	5617	5401	4035	3667	3860	5677
LR	10394	10563	8401	3568	5308	5362	5386	3481	3839	4338	5141
LS	10355	10520	8387	3564	5273	5352	5386	3463	3853	4363	5119
LT	10338	10501	8381	3562	5258	5348	5386	3455	3859	4373	5109
LU	10353	10516	8398	3579	5274	5365	5403	3472	3875	4388	5126
LV	11087	11347	8541	3748	6010	5524	5313	3939	3580	3783	5581
LW	11117	11376	8572	3779	6039	5555	5343	3969	3611	3812	5612
LX	11887	12144	9314	4543	6806	6310	6073	4739	4333	4472	6381
LY	12011	12267	9434	4667	6930	6432	6192	4863	4452	4582	6505
LZ	11965	12221	9390	4621	6884	6387	6148	4817	4409	4542	6459
MA	11407	11665	8853	4067	6327	5841	5619	4259	3883	4060	5902
MB	11077	11335	8537	3741	5998	5519	5310	3929	3579	3786	5573
MC	11933	12188	9364	4592	6851	6359	6123	4785	4384	4522	6428
MD	11956	12211	9388	4615	6873	6383	6147	4808	4408	4546	6452
ME	11409	11665	8861	4073	6328	5848	5629	4261	3894	4074	5906
MF	11064	11321	8531	3731	5984	5511	5305	3916	3575	3787	5561
MG	11643	11899	9087	4305	6561	6077	5851	4495	4114	4275	6140
MH	11672	11927	9115	4334	6589	6105	5878	4524	4141	4300	6168
MI	12041	12295	9473	4701	6958	6469	6232	4894	4492	4626	6538
MJ	11992	12246	9426	4653	6909	6421	6185	4844	4446	4583	6489
MK	12077	12331	9509	4738	6993	6506	6268	4930	4529	4661	6574
ML	11052	11308	8524	3722	5971	5504	5300	3904	3570	3787	5551
MM	11031	11287	8504	3701	5949	5483	5281	3883	3551	3770	5529
MN	11633	11888	9083	4298	6550	6072	5849	4486	4112	4277	6131
MO	10347	10510	8395	3576	5269	5362	5401	3468	3875	4389	5122
MP	10358	10521	8404	3585	5279	5371	5410	3478	3882	4395	5132
MQ	10262	10424	8322	3510	5185	5291	5339	3394	3825	4349	5044
MR	10329	10490	8386	3572	5252	5355	5399	3459	3878	4397	5110
MS	10246	10407	8314	3506	5170	5285	5336	3385	3827	4356	5034
MT	10343	10504	8405	3591	5268	5374	5418	3477	3898	4416	5128
MU	10313	10473	8380	3570	5238	5351	5398	3452	3883	4405	5101
MV	10286	10444	8365	3559	5213	5337	5390	3435	3881	4409	5082
MW	10130	10287	8231	3440	5061	5209	5276	3300	3791	4338	4940
MX	10099	10255	8209	3423	5031	5188	5260	3277	3783	4335	4915
MY	10146	10301	8255	3467	5078	5234	5303	3323	3820	4368	4962
MZ	10118	10272	8234	3449	5051	5214	5287	3302	3810	4361	4938
NA	10137	10291	8252	3467	5071	5232	5304	3321	3825	4375	4957
NB	10081	10234	8204	3424	5015	5186	5263	3272	3793	4349	4906
NC	5949	5300	9242	10299	7924	9618	10369	9757	11178	11838	8831
ND	5962	5314	9245	10285	7913	9610	10361	9742	11165	11826	8821
NE	5989	5342	9265	10289	7920	9620	10371	9745	11170	11832	8829

APPENDIX Q
PROJECT TEAM CURRICULUM VITAE

PROFESSIONAL ASSOCIATIONS

- Environmental Services Association of Nova Scotia (ESANS)
- Canadian Land Reclamation Association (former Board Member)
- Halifax Chamber of Commerce
- OTANS member

AREAS OF SPECIALIZATION

- Project Management
- Environmental Impact Assessment
- Public and Regulatory Consultation
- Permitting
- Infrastructure Planning and Construction
- Environmental Management System
- Natural Resource Inventories

EDUCATION

- BSc., McGill University, Montreal (1990)

TRAINING

- M.Eng. (pending), University of New Brunswick, Fredericton
- CEAA Screening Training
- Contaminated Sites Assessment and Clean-up
- EMS and Project Planning
- Conflict Management and Dispute Resolution
- Project Management Bootcamp, 2007
- ISO 14001 Orientation

RELEVANT EXPERIENCE

Mr. Duncan is the President of Strum Consulting based in Bedford Nova Scotia. Shawn has also worked for both provincial and federal government departments, as well as having senior environmental experience in the private sector for the oil and gas industry. He has worked professionally in the environmental field throughout Canada and internationally for over 30 years. His areas of specialization include project planning and management, environmental impact assessment, infrastructure planning and construction, public consultation and regulatory support.

REPRESENTATIVE PROJECTS AND ROLES

NATURAL RESOURCE INVENTORIES AND SURVEYS:

Environmental Effects Monitoring Programs, Paper Mills, NB – Project Manager: Involved in the development, design, and implementation of EEM programs for five pulp mills that were required under federal regulations. These programs were multi-year in scope and involved both freshwater and marine systems.

Assessment of Downstream Fish Migration, NB – Field Coordinator: Involved in the study of the downstream migration patterns of juvenile blue-backed herring and alewife on the St. John River.

Fish Habitat Assessments, NS, NB – Program Manager: Coordinated a fish habitat assessment program that assessed over 500 watercourses that intersected a proposed pipeline corridor, in support of the EIA and provincial and federal permitting.

Aerial Moose Survey, NB – Program Manager: Managed and conducted a provincial aerial winter survey for moose, using helicopter.

Development of Watershed Management Plan, Keswick River, NB – Program Manager: Developed a watershed management plan for the Keswick River System in conjunction with the federal Department of Fisheries and Oceans.

Numerous Fisheries and Aquatic Habitat Surveys, NS, NB – Project Manager: Coordinated a number of freshwater fisheries and aquatic habitat surveys throughout the Atlantic provinces to provide baseline and monitoring data for a number of projects and developments.

Identification of Fish Habitat Improvement Opportunities, NB – Project Manager: Identified particularly beneficial opportunities for fish habitat improvement in New Brunswick, and determined strategies for project implementation.

Development of Fisheries Management Plans, Recreational Fisheries Developments, NB – Technical Support: Involved in the preparation of fisheries management plans to provide improved recreational salmonid fishing on private landholdings.

Tropical Ecology, Bellairs Institute, Barbados – Field Assistant: Attended a field course on tropical ecology and participated in research surveys of mangrove environments, reef ecosystems, and marine fisheries.

Fish Behavioural Study, St. Andrews, NB – Field Assistant: Conducted a two-month study underwater survey to observe the behaviour of juvenile Pollock under induced threat from predation.

Marine Benthic Habitat Surveys, NS, NB – Field Assistant: Conducted a number of marine benthic habitat and sampling surveys for the federal government to support dredging or wharf construction activities.

ENVIRONMENTAL ASSESSMENTS:

Sydney Tar Ponds Environmental Impact Statement, Sydney, NS – Manager: Mr. Duncan managed the EIS for the cleanup, which involved managing a large team of professionals, working closely with the proponent and their engineering consultant to prepare the 7-volume EIS for submission to federal and provincial regulators. Components included public and regulatory consultation, environmental baseline field work and human and ecological risk assessments. He also provided testimony during the three week public hearing process as part of a joint review panel.

Environmental Impact Assessment, Keltic Petrochemical and LNG Facilities, NS – Project Manager: Mr. Duncan acted as Project Manager for the preparation of a provincial EIA and a federal CSR for this combined petrochemical and LNG project. Managed a large consulting team and coordinated consultation with the public, stakeholders, and the regulatory agencies. Shawn also acted as panel lead at the 8-day provincial hearings that were part of the NS review process.

Fundy Tidal Energy Project, NB – Senior Technical Reviewer: Mr. Duncan provided senior technical input and senior review for the combined federal and provincial EA that was required as part of the Fundy Tidal Energy Project.

Environmental Assessment, NB DoT, Route #11, NB – Senior Reviewer: Mr. Duncan acted as the senior reviewer for a provincial EA for a new 4 lane highway in northern NB. This Project also included compliance with the federal CEA Act and required a number of natural resource surveys.

Federal Comprehensive Study Report, Hamilton Harbour Clean-up, ON – Project Manager: Mr. Duncan was the Project Manager and Senior Technical Reviewer for the federal CSR that was required as part of the Randle Reef Project in Hamilton Harbour.

Environmental Impact Assessment, 25 MW Windfarm, Canso, NS – Project Manager: Mr. Duncan conducted the environmental impact assessment for a windfarm and associated infrastructure. Components included public and regulatory consultation, environmental baseline field work, turbine site selection, and environmental impact assessment.

Joint Federal-Provincial Environmental Assessment (Comprehensive Study) for the Black Point Quarry Project, Erdene Resource Development Corp, NS – Project Director: Mr. Duncan was the Project Director responsible for senior review and client management for the environmental assessment project and EA scoping; scoping and coordination of field studies; regulatory and public consultation plans; and report preparation.

Environmental Impact Assessment, Power Generating Facilities, Barbados – Project Manager: Mr. Duncan was the Project Manager for the environmental impact assessment for a 250 MW power production facility and associated transmission line. Options that were considered for the facility fuel design included low-speed diesel engines and natural gas engines. Components included public and regulatory consultation, environmental baseline field work, and environmental impact assessment.

Environmental Assessment, Maritimes & Northeast Pipeline, Mainline Expansion, NS, NB – Project Manager: Mr. Duncan provided project management and development of the federal CEEA screenings for four compressor stations. This involved detailed site selection, field surveys and public, regulatory, and First Nations consultation programs.

Environmental Impact Assessment, Terminal and Pipeline Facilities, Barbados – Project Manager: Mr. Duncan prepared the EIA for a petroleum terminal facility and associated transmission pipelines. The existing bulk storage facilities were relocated from a coastal location in Oistins to a location near the airport. Components included public and regulatory consultation, environmental baseline field work, and pipeline route selection.

Environmental Impact Assessment, Windfarm, Barbados – Project Manager: Mr. Duncan conducted the Environmental Impact Assessment for a windfarm near Lamberts, Barbados. The project consisted of eleven 900 kW wind turbines. The EIA included public and regulatory consultation, environmental baseline field work, and environmental impact assessment.

Environmental Impact Assessment, Prison Facility, Barbados – Project Manager: Mr. Duncan prepared the Environmental Assessment for a new prison facility in Dodds, St. Philip. The previous prison was destroyed by fire and therefore there was an accelerated timeline to build a new facility to house the inmates. The EIA was completed ahead of schedule.

Environmental Impact Assessment, Natural Gas Pipeline Route, Country Harbour, Nova Scotia to St. Stephen, New Brunswick – Assessor: Mr. Duncan participated in the technical aspects of the corridor selection and environmental impact assessment of a 558 km pipeline, which included providing input on the definition of VECs, prediction of environmental effects, identification and analysis of design and route alternatives, socioeconomic impacts, contingency planning and compensation.

ENERGY RELATED EXPERIENCE:

Regulatory Support and Joint Public Review, Sable Offshore Energy and Maritimes & Northeast Pipeline – Technical Support: Mr. Duncan participated in, and provided environmental support to expert witness panel members testifying before a Joint Public Review Panel which included representatives of the National Energy Board.

Detailed Route Assessment and Hearings Maritimes & Northeast Pipeline – Technical Support: Mr. Duncan conducted a detailed analysis for the routing of the detailed 25 m easement for the mainline 30-inch pipeline. He also provided technical support for a detailed regulatory review of this easement through a NEB panel review process.

Environmental Protection Plan, Maritimes & Northeast Pipeline – Management/Technical Support: Mr. Duncan provided management and technical support for the development of an environmental protection plan for construction of 550 km of 30 inch natural gas transmission pipeline. Construction practices and protection measures were outlined in the EPP which would minimize potential impacts to the receiving environment.

Maritimes & Northeast Pipeline – Construction Supervisor: For the construction of the M&NP mainline and the Halifax lateral, Mr. Duncan fulfilled the role of construction supervisor. He provided supervision of a team of 20 environmental inspectors to oversee the implementation of environmental commitments and regulatory requirements during construction activities.

Duke Energy, Environment, Health and Safety Audit, Natural Gas Distribution and Processing Facilities, Fort Nelson, British Columbia, and Northwestern Ontario – Lead Assessor: Mr. Duncan conducted an EH&S compliance audit of distribution pipeline facilities in Ontario, and a gas processing facility in Fort Nelson. He verified compliance with applicable provincial and federal legislation and/or permits related to environmental and health and safety requirements for these types of facilities.

Comprehensive Study, Halifax Lateral, Maritimes & Northeast Pipeline – Management/Technical Reviewer: Mr. Duncan provided management support and technical review of a comprehensive EIA for the construction and operation of 120 km of 12 inch natural gas pipeline into Halifax. Shawn also acted as the construction supervisor to oversee the implementation of required environmental measures.

Pipeline Evaluation and Coastal Mapping, Orimulsion Pipeline, NB – Project Manager: Mr. Duncan was involved in the evaluation of an Orimulsion pipeline and the development of a coastal mapping for use in contingency and spill response planning for the transportation of Orimulsion. The Orimulsion was being transported to the NB Power generating station in Dalhousie New Brunswick.

ENVIRONMENTAL MANAGEMENT:

Sydney Tar Ponds Remediation – Project Director and Regulatory Manager: Mr. Duncan fulfilled these senior roles during the Detailed Design of the Sydney Tar Ponds Clean-up and for the ongoing Construction Administration and Oversight for this Project.

Inventory of Fish Processing Facilities, Environment Canada, Atlantic Provinces – Project Manager: Managed a project that compiled and evaluated data and information of fish processing facilities in the Maritimes with the intent to evaluate waste treatment procedures for these operations.

Acid Rock Mitigation and Construction Response Plan, Maritimes & Northeast Pipeline – Technical Support: Participated in the development and implementation of a unique approach to the handling of acid rock during the planning and construction of the pipeline. A construction response plan (CRP) was developed in conjunction with regulators that addressed the identification, handling, and disposal of acid rock encountered during construction. In addition, the CRP outlined mitigation and risk analysis procedures that were developed for treatment of acid rock to be left on-site.

Environmental Evaluation and Management, Canadian International Development Agency, India – Technical Support: Assisted CIDA and the government of India in identifying hazardous waste streams and developing treatment strategies.

Environmental Sensitivity Atlas, Baie de Chaleur, NB – Assessor: Collected environmental information for the Baie de Chaleur region and used it to produce environmental sensitivity mapping for the region to support spill response planning.

Inland Waters and Coastal Oceanographic Information Network, NB – Technical Support: Provided technical support for a project to develop and apply an environmental information system for the Bay of Fundy and Chaleur Bay regions. The system combines metafiles, a knowledge-based system and a geographical information system. It is used both for EIAs of proposed projects and contingency planning and to identify development opportunities.

Corporate EMS, Industrial Client – Project Manager: Developed and provided implementation guidance for a corporate environmental management system that closely followed the requirements as set out in the ISO 14001 CSA standard.

Environmental Performance Evaluation Training, India – Technical Support: Provided technical input and conducted training to environmental professionals in India to provide an overview of EPE and the requirements under the ISO 14031 CSA standard.

Wilderness Recreation Potential Assessment, Halifax, NS – Project Manager: Prepared an assessment of the potential for wilderness recreational use of a forest area that will be bisected by the proposed Highway #113.

AREAS OF SPECIALIZATION

- Project Management
- Environmental Assessment
- Ecological Assessment
- Habitat Assessment
- Regulatory Permitting, Monitoring, and Compliance Assessments
- Environmental Protection Plans
- Wetland/Watercourse Alterations
- Wetland and Fish Habitat Compensation

RELEVANT EXPERIENCE

Ms. Smith is the Vice President of Environmental Assessments and Approvals. She has a strong background in a variety of environmental program and policy areas. Ms. Smith has extensive experience leading teams, as well as building relationships and communicating with the public, regulators, the Mi'kmaq of Nova Scotia, clients, experts, and other stakeholders.

Prior to her appointment as Vice President of Environmental Assessments and Approvals at Strum, Ms. Smith held a Team Lead position with the Impact Assessment Agency of Canada. That role included the following:

- Led a team of professionals in completing federal environmental and impact assessments to support the Minister in decision making.
- Managed all aspects of assembling project teams, executing priorities, performance, deliverables, and overall quality.
- Supported the team in conducting Indigenous consultation, coordinating with federal and provincial departments, communicating with proponents, and engaging with stakeholders.
- Supported the team in the technical review of regulatory submissions under the *Canadian Environmental Assessment Act, 2022* and the *Impact Assessment Act*.
- Advised senior Agency officials on complex regulatory considerations.

Ms. Smith also held multiple roles with Nova Scotia Environment which included the following responsibilities:

- Led the development, management, and implementation of the Risk-Based Audit Project. The purpose of this corporate priority project was to modernize inspection services by using risk to maximize the allocation of limited resources while fulfilling the Department's mandate.
- Conducted extensive cross-sector collaboration within the Department, including all regions, inspectorates, divisions, and staff levels to ensure the project met the needs of working level staff and the goals of senior management.
- Provided strategic policy support and analysis for departmental programs and policies using the Regulatory Management Process.
- Conducted focus group sessions, coordinated stakeholder consultation, and provided recommendations to senior management.
- Completed inspections, responded to complaints, reviewed applications, and generated approvals related to the protection and sustainable use of air, land, and water resources in NS.

EDUCATION

- MES, Dalhousie University, Halifax, NS (2004)
- BSc. (Honours), Environmental Science, Acadia University, Wolfville, NS (2001)

TRAINING

- GBA+ Micro-learning Series (2022)
- Cultural Safety (2021)
- Unconscious Bias (2021)
- Emergency First Aid (2021)
- Management Development Program (2019)
- Advanced Training, *Impact Assessment Act* (2019)
- Introduction to CEAA 2012 (November 2012)
- Water Management & Wetland Restoration Training Course, University of Guelph (2010)
- Screenings Under CEAA (2010)
- Aboriginal Relations Training (Ontario Ministry of the Environment) (2008)
- Negotiation and Mediation Training (Ontario Public Service) (2008)
- Orientation to CEAA (2007)
- Atlantic RBCA Applications (Dalhousie University) (2004)
- Management of Environmental Site Assessment (Dalhousie University) (2004)

At Strum, Ms. Smith previously held progressive management roles including acting as the Team Lead during a long-term secondment of a senior manager and managed all aspects of a variety of projects within the Environment Group, including environmental assessments, watercourse alteration applications, wetland alteration applications, wetland compensation, environmental protection plans, environmental monitoring, and ecological assessments. This also included successfully and simultaneously managing multiple provincial Environmental Assessments. Ms. Smith also has extensive experience creating budgets, schedules, staff resourcing and supervision, deliverables, and client communication. She has presented at public open houses, community liaison committee meetings, public hearings, and testified at a UARB hearing.

REPRESENTATIVE PROJECTS AND ROLES

Strum Consulting (current)

Wind Power Environmental Assessments, 2022-2023 – Project Manager/Team Lead: Providing senior review and management on several 100 MW+ wind farms in Nova Scotia.

Impact Assessment Agency

Boat Harbour Remediation Project, 2018-2022 – Team Lead: Team Lead for the Agency's technical review of this project, as well as associated consultation with the Mi'kmaq of Nova Scotia and public engagement. This project conducted the Agency's first external technical review as part of the process.

Beaver Dam Mine Project, Fifteen Mile Stream Project, 2017-2022– Team Lead: Team Lead for the Agency's technical review of these gold mining projects, as well as associated consultation with the Mi'kmaq of Nova Scotia and public engagement.

Canso Space Port, Northern Pulp Replacement Effluent Treatment System, Touquoy Mine Expansion, Goldboro Gold Mine, 2017-2021 – Team Lead: Team Lead for requests to the Minister for these projects to be subject to the *Impact Assessment Act*. Review and analysis involved input from federal departments and a decision package to the Minister.

Howse Property Iron Mine Project, 2018– Team Lead: Team Lead for the Minister's decision package for the Howse Property Iron Mine.

Strum Consulting (past)

Wind Power Environmental Assessments, 2011-2014 – Project Manager/Team Lead: Project managed and coordinated all aspects of the provincial EA process for seven wind power projects ranging in size from 4 MW to 10 MW. Project components included wetlands, watercourses, wildlife, avifauna, bats, sound, shadow flicker, visual aesthetics, socio-economic conditions, and effects assessment. Also highly involved in public engagement activities including participation at several municipal planning meetings and project open houses, as well as the preparation of presentation materials (e.g. posters, handouts, etc.).

South Canoe Wind Project, 2011-2013 – Project Manager/Team Lead: Project managed and coordinated the completion of numerous desktop and field studies in support of a 100 MW wind power project. Studies included exclusion mapping; a desktop review of site habitat, species at risk (including flora, fauna, and avian species), and archaeological resources; a sound and shadow flicker assessment; a visual impact assessment; and field assessment for wetlands, watercourses, wildlife, and avian species. Managed the launch of the project website and completed the effects assessment for the biophysical components of the provincial environmental assessment registration document. Also developed presentation materials for and attended three public open houses and delivered multiple technical presentations to the Community Liaison Committee and as part of the Development Agreement Public Hearing process.

CEAA Screening, Hansen Bridge Replacement, 2012 – Project Manager: Project managed field assessments (stream assessment, archaeological surveys, and habitat characterization), desktop review, and effects assessments for a bridge replacement project under CEAA. Consulted with Nova Scotia Environment, Transport Canada (TC), and DFO to ensure all regulatory requirements were met.

AREAS OF SPECIALIZATION

- Project Management
- Environmental Assessment
- Technical Program Development
- Wetland and Watercourse Alteration Permitting
- HADD Projects and DFO Authorizations

RELEVANT EXPERIENCE

Mr. Dickey is the Manager of Environmental Sciences at Strum where he oversees the company's Environmental Science Group in conducting environmental assessments, research, and field assessment programs, as well as wetland and watercourse permitting projects.

Mr. Dickey joined the Strum team in 2012. He received his Masters of Resource and Environmental Management degree from Dalhousie University that same year. While studying at Dalhousie, Scott specialized in environmental assessment, project management, regulatory compliance management, and natural resource management. Scott also obtained a Bachelor of Science degree with Honours from Mount Saint Vincent University in 2009.

Scott is active in managing consulting projects, conducting environmental assessments, overseeing wetland and watercourse alteration applications, and Fisheries and Oceans Canada (DFO) authorizations. He is knowledgeable with provincial and federal approvals processes, as well as best industry practices for assessment and data collecting protocols. Scott is also a technical specialist in a number of specialized areas such as acoustic assessments and compliance consulting, avian radar assessments, environmental ecology, and environmental geomatics systems.

REPRESENTATIVE PROJECTS AND ROLES

Various Wind Power Projects, NS, 2020-Present, Environmental Scientist – Coordinated and led the environmental assessment of several large (> 50 MW) wind power projects. This included the development of new services such as avian radar assessments, the coordination of several environmental research and assessment programs, regulatory consultation, and the coordination of the data analysis and technical reporting programs.

L8005 Transmission Line Project, NS, 2020-2022, Environmental Scientist – Managed and conducted several component studies as part of this transmission line project's environmental assessment, including an avifauna interaction study, wetland, watercourse and rare plant studies, and a Mainland Moose study.

Chaswood Wetland Compensation Project, NS, 2020-2022, Environmental Scientist – Identified, conceptualized, and developed a wetland expansion and enhancement project located near Chaswood, NS.

Melford Atlantic Gateway Terminal Project, NS, 2016-2022, Environmental Scientist – Managed and conducted several component studies, permitting programs, and prepared environmental management plans for this marine terminal project. This included conducting a wetland and watercourse assessment and obtaining alteration approvals for several dozen hydraulic features; preparing environmental management plans for the Project's construction and operation; and consulting with regulators and other stakeholders on the Project's regulatory requirements.

Boat Harbor Remediation Project, NS, 2021, Environmental Scientist – Researched, designed, and installed mitigations to improve water quality and reduce fish mortalities at the Boat Harbor remediation site.

EDUCATION

- Masters of Resource and Environmental Management (MREM) - Dalhousie University, Halifax, NS (2012)
- Bachelor of Science (Honours in Biology) - Mount Saint Vincent University, Halifax, NS (2009)

TRAINING

- First Aid & CPR Level A - St. John's Ambulance (2021)
- WHMIS Certification - Construction Safety Association of Nova Scotia (2018)
- Project Management for Environmental Professionals - Eco Canada (2013)
- Risk Communication and Conflict Resolution Training - Eco Canada (2013)
- Over 80 Hours of Project Management Coursework - Dalhousie University's Faculty of Management (2010 -2011)

Aulds Cove Avian Assessment, NS, 2015 to 2019, Environmental Scientist – Completed pre- and post-construction avian studies and developed a risk model for the transmission line project which is located in a migratory bird flyway.

Canso Spaceport Environmental Assessment, NS, 2018, Environmental Scientist – Completed ecological assessments including avian assessments, bat assessment, flora and fauna assessments, and wetland and freshwater habitat assessments as part of the Project's Environmental Assessment.

Windsor Forks Wetland Compensation Project, NS, 2014-2018, Environmental Scientist – Contributed to the design and construction of a wetland creation project in which a wetland was created in the site of a quarry near Windsor, NS.

Various Wind Power Project, NS, 2012-2018, Environmental Scientist – Completed environmental assessments, wetland assessments, flora and fauna surveys, avian assessments, and post-construction bird and bat monitoring programs. Projects include, the CBU Wind Power Project, the North Beaverbank Community Wind Project, the Nine Mile River Community Wind Project, the Pockwock Community Wind Project, the Truro Heights / Millbrook Community Wind Project, and the Whynotts Community Wind Project.

South Canoe Wind Project, NS, 2012-2018, Environmental Scientist – Completed wetland assessments, flora and fauna surveys, ambient sound assessments, wind turbine sound warranty test, and assisted in geotechnical assessments.

Canso Causeway Avian Study, NS, 2014-2016, Environmental Scientist – Completed avian studies over several years and developed risk analysis framework and mortality prediction model.

South Canoe Wetland Compensation Research Project, NS, 2014-2016, Environmental Scientist – Completed a comprehensive research project as partial fulfillment of the wetland compensation requirement for the South Canoe Wind Project's wetland alteration. This included a comprehensive assessment and monitoring program of a number of reference wetland sites in Nova Scotia, as well as GIS analysis, vegetation, soil and hydrology data analysis, and reporting for the Project.

Maritime Link Transmission Line Watercourse Assessment, NS, 2013- 2014, Environmental Scientist – The scope of this project included the design and coordination of desktop and field programs to assess watercourse crossings and fish habitat along the footprint of transmission and grounding lines for the purpose of construction planning and permitting. This involved the identification and assessment of watercourses within the 90 km (combined) transmission and grounding line corridors in Cape Breton, as well as all associated site facilities and access roads. Responsible for completing field assessments including fish habitat and fish population assessment, preparation and maintenance of field data, and general communications.

Trenton Generating Station, Benthic and Mixing Zone Studies, NS, 2013, Environmental Scientist – An ecological assessment was completed to evaluate ecosystems in three water bodies, which receive effluents from the Trenton Generating Station's ash management facilities. The assessment incorporated an evaluation of benthic community composition (*i.e.*, benthic macro-invertebrates and macrophytes), as well as a characterization of habitat in the receiving waters. The ecological assessment was completed simultaneously with a mixing zone study, which was designed to provide guidance on determining effluent discharge limits outlined in the Operating Approval for the Trenton Generating Station, by determining concentrations of compliance parameters in the mixing zones of receiving effluent waters. Involved in all aspects of the Project including study design, the coordination and completion of the field programs, water quality sampling and sample management, data management, and reporting.

AREAS OF SPECIALIZATION

- Water Quality Assessments and Monitoring
- Marine Ecology and Biology
- Fish and Fish Habitat Assessments
- Wetland/Watercourse Assessments and Permitting
- Vegetation Surveys
- Environmental Assessment
- Wildlife Assessments

RELEVANT EXPERIENCE

Ms. Mosher is an Environmental Scientist with Strum working in our Environmental Science Group. She has experience working in many aspects of technical projects and environmental assessments, including field surveys, interpretation of analytical results and data, conducting background research, reporting and regulatory permitting.

Ms. Mosher is an experienced field biologist and has conducted water quality sampling, sediment sampling, habitat assessment, and flora and fauna surveys. As a qualified wetland delineator in Nova Scotia, she has delineated numerous wetlands of a variety of habitat types and conducted multiple functional assessments for permitting and constraints assessments. She is knowledgeable of freshwater and marine fish species of the Maritimes and is proficient in fish sampling methodology. She has been active in fish habitat characterization and watercourse assessments and has performed water quality sampling at contaminated and remote sites. She has conducted an intensive study exploring the effect of anthropogenic pollution on terrestrial biogeochemical cycles.

Ms. Mosher has more than 12 years of experience conducting research and assessments in marine ecology. Her experience involves marine fish sampling, water quality assessments, benthic habitat surveys, and investigations into salt marsh communities. Her marine experience comprises projects in both academia and industry, as well as coordinating a stewardship program with coastal ecology community groups.

REPRESENTATIVE PROJECTS AND ROLES

Transmission Line Upgrade Environmental Assessment, NL (2020 - 2021) – Environmental Scientist: Completed a desktop review, assessment of environmental impacts, with special consideration of nearby salmon rivers, and reporting to fulfill the permitting requirements for an environmental assessment release for the upgrade and rebuilding of 60 km of transmission line in Central Newfoundland. Developed an Environmental Protection Plan to mitigate potential environmental impacts during construction as a condition of the EA release.

Substation Upgrades and Transmission Line Construction Environmental Assessment, NL (2020 - 2021) – Environmental Assessment – Environmental Scientist: Completed a desktop review, assessment of environmental impacts, with special consideration of a nearby salmon river, and reporting to fulfill the permitting requirements for an environmental assessment release for the upgrade of a substation, including 2 km of new transmission line, in Central Newfoundland. Developed an Environmental Protection Plan to mitigate potential environmental impacts during construction as a condition of the EA release.

Melford Atlantic Gateway Project, NS (2017 - 2021): Participated in the collection and reporting of supplemental information in support of provincial and federal permitting for the construction of a marine terminal and associate rail line. Field assessments included wetland delineation, rare plant surveys, fish sampling and watercourse assessments.

EDUCATION

- Master of Science (Earth and Atmospheric Sciences) - University of Alberta, Edmonton, AB (2013)
- Bachelor of Science (Hons.) – St. Francis Xavier University, Antigonish, NS (2010)

TRAINING

- Backpack Electrofishing – Canadian Rivers Institute (2017)
- WESP-AC Training Course (2016)
- Pleasure Craft Operator License (2016)
- NSCSA WHMIS (2015)
- Wetland Delineation and Wetland Plant Identification – Fernhill Institute (2013)
- Canada Safety Council Defensive Driving Course (2012)

Prepared applications and supporting documentation for submissions for wetland alteration, watercourse alterations and Fisheries Act applications, including the preparation of compensation and offsetting plans.

Windsor Forks Wetland Compensation Project, NS (2015 – ongoing) – Environmental Scientist: Contributed in the design and construction for the restoration of 10 ha former quarry into wetland habitat.

Wetland Delineation and Permitting, NS (2013 – ongoing) – Environmental Scientist: Completed wetland delineation, functional assessments, and permitting submissions at numerous sites around Nova Scotia. Project included post-construction and pre-construction monitoring, compensation planning, and erosion and sedimentation control plans.

Transmission Line Wetlands, Watercourses and Rare Plants Assessments, NS (2020) – Environmental Scientist: Conducted wetland, watercourse and rare plant surveys along 60 km of transmission line, including data compilation and reporting.

Marine Platform Installation Fisheries Act Application, NS (2020): Prepared an application under Section 35 of the federal *Fisheries Act* related to the harmful alteration, disruption and destruction of fish habitat (HADD) for an infilling project within an active harbour. Work involved a desktop review of the marine environment, interpretation of benthic video footage, and the evaluation of environmental impacts on the marine habitat.

Marine Aquaculture Facility Environmental Assessments, NS (2019 - 2020) – Environmental Scientist: Completed reporting and research for environmental assessment registration documents for 6 marine based aquaculture facilities located throughout coastal Nova Scotia.

Highway Interchange and Connector Road Environmental Screening and Permitting, NS (2018- 2020): Completed wetland delineation, watercourse assessments and fish sampling in support of design and environmental permitting for a new highway interchange and connector road. Prepared an environmental assessment report and supporting documents, and associated wetland permitting.

Lantz Development Wetland Assessments and Permitting, NS (2018 - 2020) – Environmental Scientist: Completed wetland delineation, functional assessments and reporting to fulfill the requirements for a wetland alteration permit in support of two mixed-used residential and commercial developments.

Drinking Water Supply Water Withdrawal Permit Renewal, NS (2018) – Environmental Scientist: Prepared a water withdrawal permit for a drinking water supply, including assessment of environmental impacts and review of water quality data.

Tidal Energy Environmental Assessment, NS (2017 - 2019) – Environmental Scientist: Completed field surveys and report writing for an environmental assessment for a marine tidal energy development. Work completed included benthic invertebrate assessment, marine mammal surveys, interpretation of benthic habitat surveys, wetland delineation and rare plant surveys.

Susie Lake Water Quality Monitoring Program, NS (2016-2018) – Environmental Scientist: Conducted a monthly water quality sampling program at watercourses and lakes adjacent to a busy commercial area and highway. Work included water sampling, interpretation of laboratory results and reporting.

Spaceport Environmental Assessment, NS (2017) – Environmental Scientist: Completed wetland assessments, rare plant surveys, and terrestrial mammal surveys at a remote coastal barren and bog site in Nova Scotia. Involved in the writing and assessment of environmental impacts to the surrounding environment from the development and operation of a rocket launch facility.

Drinking Water Reservoir Dam Replacement Environmental Assessment, NS (2016) – Environmental Scientist: Completed field assessments for vegetation, wetlands, and freshwater mussels. Contributed to the analysis of environmental effects on the surrounding aquatic and terrestrial environment for the replacement of a dam at a drinking water supply reservoir.

Hardwood Lands Community Wind Project Environmental Assessment, NS (2015) – Environmental Scientist: Involved in the completion of desktop research, wetland assessments, rare plant surveys, avian surveys, habitat mapping and moose surveys for a 6 MW wind power project environmental assessment.

Marine Surveys for Wastewater Treatment System Upgrade at a Salmon Hatchery, NB (2015) – Environmental Scientist: Completed desktop and field-based studies into environmental effects of effluent into a coastal bay off the Bay of Fundy. Studies include fish habitat assessment, dispersion modeling, water quality assessment and benthic habitat surveys.

Dam Decommissioning Wetland and Rare Plant Assessments, NS (2015) – Environmental Scientist: Completed wetland delineation, wetland functional assessments, and rare plant surveys at hydroelectric dam sites around Nova Scotia. Assessed the potential impact of dam decommissioning and changing water levels within reservoirs on sensitive environmental features.

Belmont Wetland Compensation, NS (2015 - ongoing) – Environmental Scientist: Concept design, pre-construction ecological monitoring and construction monitoring for the remediation of a former wetland at the Belmont Quarry in Belmont, NS, as part of wetland compensation.

Auld's Cove Transmission Project Avian Assessment, NS (2016) – Environmental Scientist: Conducted nocturnal bird surveys, audio surveys, desktop research and statistical analysis for an extensive avian assessment at the Auld's Cove transmission lines and the Canso Causeway.

Susie Lake Developments Environmental Assessment, NS (2015) – Environmental Scientist: Conducted desktop and field studies, including a mainland moose monitoring program, water quality sampling and socio-economic analysis for a large residential and commercial subdivision.

Safe, Clean Drinking Water Project Environmental Constraints Assessment, NB (2014) – Environmental Scientist: Participated in desktop analysis and field studies identifying environmental constraints for the construction and upgrade of a city-wide drinking water distribution system. Components included wetland delineation, fish sampling, rare plant surveys, fish habitat assessments, reporting and permitting consultation.

Safe, Clean Drinking Water Project Groundwater Site Environmental Assessment, NB (2014) – Environmental Scientist: Participated in the desktop analysis and field studies to determine the environmental baseline condition at the site of three proposed groundwater wells. Field studies included wetland delineation and functional assessment, fish sampling, and fish habitat assessment.

Marine Terminal Expansion Environmental Assessment, NB (2014) – Environmental Scientist: Completed desktop studies, background research and analysis of environmental impacts on marine environmental components including fish habitat, benthic habitat, navigation and marine mammals.

Maritime Link Transmission Line Wetland and Rare Plant Assessment, NL and NS (2013 - 2014) – Environmental Scientist: Conducted field surveys to assess rare plants and wetlands along the footprint of the transmission and grounding lines for the purpose of construction planning and permitting. This involved the identification and functional assessment of wetlands and areas of rare plants along a combined total of 500 km of transmission and grounding line corridor as well as all associated site facilities.

Marine Training Mitigation Measures (2014) – Environmental Scientist: Participated in a desktop analysis to identify environmental impacts of naval at-sea training exercises throughout North America and Europe. This involved the identification of environmental components and potential adverse impacts, and the development of appropriate mitigating measures.

Chebucto Terence Bay Wind Farm Project Environmental Assessment, NS (2014) – Environmental Scientist: Completed desktop studies, background research and analysis of environmental and socio-economic impacts for a 7.2 MW wind farm.

Aboiteau Replacement Fisheries Application, NS (2014) – Field Biologist: Conducted fish sampling and fish habitat assessments and compiled a fisheries application to assess the impact of replacing an existing aboiteau on the local fish population.

Sediment Erosion Control Program, NB (2014) – Environmental Scientist: Conducted statistical analysis to determine the effectiveness of erosion control measures around watercourses at an active military base.

Fish Monitoring Program, NL (2013) – Environmental Scientist: Fish sampling, watercourse assessments and water quality analysis as part of an ongoing fish and fish habitat monitoring program at a highly contaminated military site. Fish tissue was analyzed for contaminant concentration and the resulting trends were analyzed.

AREAS OF SPECIALIZATION

- Field Program Design and Logistics Coordination
- Environmental Assessment
- Wetland Delineation and Functional Assessment
- Watercourse and Wetland Alteration Permitting
- Marine near-shore and Water Quality Monitoring
- Avian Studies
- Regulatory and Public Consultation

RELEVANT EXPERIENCE

Mr. Doane joined the Strum team in 2020 as an Environmental Intern, while working towards his Master of Resource and Environmental Management degree at Dalhousie. While studying at Dalhousie, Angus specialized in natural resource management in Nova Scotia, especially in the coastal zone. Angus obtained his Bachelor of Science degree in 2019 from Mount Allison University, where he specialized in Environmental Chemistry and Microbiology. He completed his honours thesis in organic and inorganic synthesis of maltol-derived thiopyridinone ligands for various environmental and anti-bacterial applications. To complement the lab-based skills associated with research, Angus has experience in field-based collection and preparation of environmental samples from his academic studies.

Mr. Doane is active in conducting environmental assessments, wetland functional assessments, delineations, and compensation projects, completing radar, avian, wetland, watercourse, flora, lichen, and wildlife surveys, and other ecological studies. He has planned and coordinated multi-team fieldwork across large projects in remote locations throughout Nova Scotia. Away from the field, he is knowledgeable with Provincial and Federal approvals and permitting processes and works closely with senior staff to prepare reports and regulatory submissions, as well as prepare materials for, and participate in, public and regulator consultation components for Environmental Assessments. He complements freshwater and marine survey work with deckhand and operator experience in near-shore marine survey projects. Mr. Doane also serves on the Joint Occupational Health and Safety committee as an environmental science team representative. Also, Angus is experienced in working with multi-disciplinary teams through the Dalhousie Faculty of Management, in the Management Without Borders and Tri-Course class-structures, beyond his time with Strum.

Mr. Doane held a previous position with Environment and Climate Change Canada (ECCC) as a water quality technician. He conducted water sampling in many bays, harbours, and estuaries around Nova Scotia from Pubnico to Cape North, dealing with all matters of leading a field crew on a day-to-day basis. This included trailering, launch and recover practices, regular boat, motor, trailer and vehicle maintenance, as well as training and aiding new staff in acclimating to the work. Processing of samples was also completed on a daily basis using the modified A1 method in a level 3 CALA certified microbiology lab.

EDUCATION

- Master of Resource and Environmental Management (MREM) - Dalhousie University, Halifax, NS (2021)
- Bachelor of Science (Honours in Chemistry) - Mount Allison University, Sackville, NB (2019)

TRAINING

- Wetland Ecosystem Service Protocol – Atlantic Canada (WESP-AC) – Maritime College of Forest Technology (2021)
- Wetland Delineation Training – Maritime College of Forest Technology (2020)
- Small Vessel Operator Proficiency “SVOP” and Marine Emergency Duties “MED A3” - Survival Systems Training Limited (2017)
- Wilderness First Aid - St. John’s Ambulance (2022)
- Backpack Electrofishing – Canadian Rivers Institute (2021)
- VHF Radio Restricted Operators Certificate – Industry Canada (2017)

REPRESENTATIVE PROJECTS AND ROLES

Various Wind Farm Project Environmental Assessments, NS – Environmental Scientist/Field Coordinator:

- **Goose Harbour Lake Wind Farm Project, NS, (2021 – Present)**
- **Mersey River Wind Farm Project, NS, (2021 – Present)**
- **Weavers Mountain Wind Farm Project, NS, (2021 – Present)**
- **Ellershouse Wind Farm Project, NS, (2021 – Present)**
- **Apitamkiejit Windfarm, NS, (2021 – 2022)**
- **Blueberry Acres Windfarm, NS, (2021 – 2022)**
- **Panuke Lake Wind Farm, NS, (2021 – 2022)**
- **Melvin Lake Wind Farm Project, NS (2021 – Present)**
- **Sandy Point Wind Farm Project, NS (2021 – 2022)**
- **Higgins Mountain Wind Farm Project, NS, (2020 – Present)**

Coordinated and completed all aspects of field surveys for Environmental Assessments, including wetland, watercourse, fish & fish habitat, avian, avian radar, bat, wildlife, flora, and lichen surveys. Prepared, reviewed, and organized field data using several methods of collection. Prepared materials for and participated in public consultation meetings, as well as aiding in the preparation of materials for public outreach. Led regulatory meetings to brief provincial and federal agencies on project activities. Prepared EA related documents, including methodologies, effects assessments, and desktop reviews.

Avian Radar Studies for Wind Development, NL, 2022 – Present - Environmental Scientist – Aided in the design and construction of avian radar monitoring systems for 4-season deployment in harsh coastal and inland environments in Newfoundland, including siting and remote monitoring.

Ruth Falls Hydroelectric Monitoring, NS, 2021-Present - Project Coordinator/Environmental Scientist:

Completed Swallow nesting/monitoring surveys during the fall 2021 migration period. Designed, coordinated, and conducted a wetland and wetland fish & fish habitat monitoring program considering wetland fish habitat functions.

Melford Atlantic Gateway Terminal Project, NS, 2020-Present – Environmental Scientist: Completed comprehensive research as partial fulfillment of the wetland compensation requirement for the Melford Terminal's wetland alteration. This has included a comprehensive search of potential sites across Antigonish and Guysborough counties based on the precedence of other wetland compensation projects, as well as aiding in the design and implementation of the engineered wetlands to be created. Supported regulatory consultation for watercourse alteration applications and impacts to fish and fish habitat, especially salmonid species.

L8001 and L8005 Transmission Line Project, NS, 2020-2022 – Environmental Scientist/Field Coordinator:

Planned, coordinated and completed Wetland and watercourse assessments, wildlife surveys, and rare plant and lichen surveys, along the linear corridor spanning 100 km from the NS/NB border to Onslow, NS. These surveys involved preparing desktop and safety tools for field staff, as well as preparing reports respective to each of the surveys.

Boat Harbor Remediation Project, NS, 2021, Environmental Scientist – Monitored water quality through seasonal tide cycles, before aiding in the research and installation of mitigations to improve water quality and reduce fish mortalities at the Boat Harbor remediation site.

GWRR Watercourse Alteration Approval and Fish Surveys, NS, 2021 – Environmental Scientist: Conducted electrofishing / fish salvage for an emergency watercourse alteration along a section of railway. This involved the capture, identification, documentation, and release of fish from the impacted section of the watercourse. Conducted further watercourse assessments to aid in the alteration approval process.

Canadian Shellfish Sanitation Plan – Shellfish Water Classification Program, NS, 2017-2019 – Water Quality Technician: Completed three summers of fecal coliform testing of coastal waters around the province of Nova Scotia to aid in the classification of areas for shellfish harvesting. This involved extensive travel, sample collection, processing and overall upkeep of field equipment across a fleet of boats, vehicles, and associated gear. Lab and sample processing work included QA and QC procedures, sample reading, media production, waste management, and sample inoculation.

AREAS OF SPECIALIZATION

- Environmental Reporting and Permitting
- Wetland and Watercourse Assessment
- Wildlife Surveying and Assessment
- Remediation and Reclamation
- Environmental Emergency Response
- Dangerous Goods Assessment

RELEVANT EXPERIENCE

Miss Eichinger first joined the Strum team in 2020 as an Environmental Intern, while working towards her Masters of Resource and Environmental Management degree at Dalhousie. While studying at Dalhousie, Lyndsay specialized in remediation, environmental assessment, and natural resource management in Nova Scotia. Lyndsay also obtained her Bachelor of Science degree in 2019 from the University of British Columbia where she specialized in Earth and Environmental Science with a minor in Economics.

During her graduate studies, Lyndsay conducted a desktop study on the Boat Harbor Remediation Project, producing a technical review paper evaluating the cost-effectiveness of the different remedial components and technologies considered by the project. This paper has since been published in the journal Remediation titled: Review of remedial options for the Boat Harbour remediation project in Nova Scotia, Canada.

Lyndsay is active in conducting environmental assessments, wetland delineations, watercourse assessments, bat surveys, and other ecological studies. She has conducted significant fieldwork across large projects in remote locations. She is knowledgeable with provincial and federal regulations, working closely with senior staff preparing reports and regulatory submissions. Lyndsay is experienced working with multi-disciplinary teams through the Dalhousie Faculty of Management, in the Management Without Borders and Tri-Course class-structures, beyond her time with Strum.

Lyndsay held a previous position with RAM Environmental Response as a HAZMAT Responder based in the BC interior. Her role was fast-paced and multidisciplinary, working in tandem with senior management on emergency response planning and remediation teams on site. Lyndsay has responded to an array of emergency situations involving dangerous goods, such as train derailments and fuel spills, all requiring coordination between clients, contractors, first responders, and government parties. She has a strong background in safety protocols, erosion control implementation, response tactics, and emergency remediation measures for a variety of contaminants. Lyndsay is well practiced in remote travel along with ATV, snowmobile, and 4x4 use.

REPRESENTATIVE PROJECTS AND ROLES

Environmental Assessment Registration and Environmental Protection Plan, NL, 2022 – Junior Environmental Professional: Completed reporting requirements for the submission of an EA Registration Document and associated Environmental Protection Plan for a transmission line decommissioning project located in Newfoundland and Labrador.

Ellershouse Wind Farm Environmental Risk Assessment, NS, 2022 – Junior Environmental Professional: Conducted a desktop study to characterize environmental risk, mitigation, and management measures for a wind farm located in Ellershouse, NS. This report was then used to inform constraints analysis and Project design features.

Windsor Forks Wetland Compensation Project, NS, 2021-2022 – Junior Environmental Professional: Completed reporting requirements for the final year of wetland monitoring and assessment for a constructed wetland.

EDUCATION

- Masters of Resource and Environmental Management (MREM) - Dalhousie University, Halifax, NS (2021)
- Bachelor of Science - University of British Columbia (2019)

TRAINING

- ATV Certification (2022)
- RPAS Pilot Certification (2022)
- BICO – Search and Rescue Program (2022)
- Electrofishing Certification (2021)
- Standard First Aid and WHMIS (2021)
- Stream Gauging Training from UBC (2019).
- Environmental Impact Assessment Certificate received from the Centre for Environmental Assessment Research at UBC (2019).
- Derailment Response - CP Railway (2018)
- Railway Safety Training (2018)
Transportation of Dangerous Goods (2018)

Weavers Mountain Wind Farm Moose Tracking Surveys, NS, 2022 – Junior Environmental Professional:

Participated in field assessments for winter wildlife, with a focus on mainland moose and other species at risk. This involved walking predetermined transects through various habitats to identify and document evidence of wildlife such as tracks, scat, and browsing.

GWRR Watercourse Alteration Approval and Fish Surveys, NS, 2021 – Junior Environmental Professional:

Conducted electrofishing / fish salvage for an emergency watercourse alteration along a section of railway. This involved the capture, identification, documentation, and release of fish from the impacted section of the watercourse.

Mahone Bay Well Installation and Monitoring, NS, 2021 – Junior Environmental Professional: Groundwater well installs were completed at a construction site in Mahone Bay, NS along with vegetation transects to characterize the sites environmental features.

Pirate Harbour Wind Farm Project, NS) 2021-Present – Junior Environmental Professional: Participated in field assessments and Environmental Assessment report writing for a wind farm located in NS. Field surveys were conducted for wildlife, birds, wetlands, and watercourses. Environmental Assessment related documents such as field survey assessments, consultation, and background research were also completed.

Mersey Wind Farm Project, NS, 2021 – Junior Environmental Professional: Participated in field assessments and Environmental Assessment report writing for a wind farm located in NS. Field surveys were conducted for wildlife, birds, wetlands, and watercourses. Environmental Assessment related documents such as field survey assessments, consultation, and background research were also completed.

Melford Atlantic Gateway Project, NS, 2020-Present – Junior Environmental Professional: Completed various reporting and background research requirements such as consultation documents, engagement record keeping, and the development of a wetland compensation plan.

Higgins Mountain Wind Farm Project, NS, 2020-Present – Environmental Technician: Conducted watercourse, wetland, fish/fish habitat, wildlife and avian assessments all contributing to the environmental assessment for the establishment of a windfarm. Involved in Environmental Assessment development, planning, and finalization.

L8001 and L8005 Transmission Line, NS, 2020 – Environmental Technician: Participated in wetland and watercourse assessments, Wildlife surveys, and rare plant and lichen surveys, along the linear corridor spanning 100kms from the NS/NB border to Onslow, NS.

Shellfish Harvesting and the Persistent Threat of Sewage Pollution, NS, 2020 – MREM Tri-course project: Working in a multi-disciplinary team to assess the threat of sewage pollution on the shellfish industry of Nova Scotia, including the biophysical, socio-political, law and policy aspects of the greater issue of pollution in the near shore environment. This involved research into government programs, policies and regulations, as well as different stakeholders in the industry.

AREAS OF SPECIALIZATION

- Wetland and Watercourse Assessment
- Wetland Delineation & Functional Assessment
- Wildlife Surveying and Assessment
- Environmental Reporting and Permitting
- Baseline Study Data Collection & Interpretation

RELEVANT EXPERIENCE

Mr. Kavanagh joined Strum in 2022, having just completed a master's degree in Resource and Environmental Management at Dalhousie University. While studying at Dalhousie University, Mr. Kavanagh specialized in freshwater resource management, wetland alteration/compensation, and stormwater management. He also obtained his diploma of engineering in 2016 and Bachelor of Science degree in 2018, from Saint Mary's University. While there, he completed an honours thesis focused on enhancing the effectiveness of wind power source assessment, responding to the need of having a measure of the relationship of wind speed and its consistency.

Throughout his academic career, Mr. Kavanagh has had the opportunity to partake in a number of research initiatives, including collecting and processing water chemistry data, the remediation of trampled pollinator habitat, an assessment of the carbon sequestration capabilities of species mixes within the boreal forest, and an evaluation of the acid rock drainage potential within the watersheds of Nova Scotia. Further, for the final project of his graduate studies, Darcy assessed the climate resiliency of wetland compensation projects within the province of Nova Scotia, providing a series of research-backed recommendations to continue working towards the provincial goal of no net loss of wetland structure and function, while also ensuring a net gain of climate resiliency.

Mr. Kavanagh has proven critical thinking and problem-solving skills through collaboration with multiple real-world organizations. This includes a partnership with the Atlantic First Nations Water Authority to analyze the biophysical, socio-political, and law & policy related dimensions associated with the self-determination of water resources in First Nations communities, as well as aiding the District of Argyle in their efforts to mitigate their localized mosquito problem through a series of research tactics including a literature review, policy review, jurisdictional scan, and feasibility analysis. For the internship portion of his graduate degree, Mr. Kavanagh worked with a consulting company where he was involved with various tasks including soil, sediment, and surface water sampling, wetland delineation, electrofishing, watercourse assessment, and air quality monitoring.

Mr. Kavanagh is active in conducting numerous field surveys to fulfill baseline studies, environmental permits, and conditions of approval, as well as any relative complementary desktop research. Further, Mr. Kavanagh is well practiced in working in remote areas, along with ATV, snowmobile, and 4x4 use.

REPRESENTATIVE PROJECTS AND ROLES

Various Wind Farm Project Environmental Assessments, NS – Environmental Scientist:

- **Goose Harbour Lake Wind Farm Project, NS, (2022 – Present)**
- **Mersey River Wind Farm Project, NS, (2022 – Present)**
- **Weavers Mountain Wind Farm Project, NS, (2022 – Present)**
- **Higgins Mountain Wind Farm Project, NS, (2022 – Present)**
- **Ellershouse Wind Farm Project, NS, (2022 – Present)**

EDUCATION

- Master of Resource and Environmental Management (MREM) - Dalhousie University, Halifax, NS (2022)
- Bachelor of Science (Honours in Environmental Science) - Saint Mary's University, Halifax, NS (2018)
- Diploma of Engineering - Saint Mary's University, Halifax, NS (2016)

TRAINING

- Wetland Ecosystem Services Protocol - Atlantic Canada (WESP-AC) Training – Maritime College of Forest Technology (2022)
- Wetland Delineation Training – Maritime College of Forest Technology (2022)
- Backpack Electrofishing – Canadian Rivers Institute (2022)
- Wilderness First Aid – Saint John Ambulance (2022)

Responsible for conducting field assessments and Environmental Assessment report writing for multiple prospective wind farm locations in NS. Field surveys were conducted for terrestrial flora & fauna, herpetofauna, avifauna, fish & fish habitat, wetlands, and watercourses. Other methods of data collection included snowshoe expeditions, ATV driving, and trail camera, acoustic monitor, and ultrasonic monitor deployment. Environmental Assessment documentation included field data compilation and interpretation to inform effects assessments, mitigation measures, and monitoring strategies.

Ruth Falls Wetland Monitoring, NS (2022 – Present) – Environmental Scientist: Responsible for conducting field assessments and report writing for a wetland and wetland fish & fish habitat monitoring program to be completed 2022 – 2027 to facilitate the dewatering of the reservoir necessary for capital upgrades. Field assessments included wetland delineation & functional assessment, monitor well installation, vegetation plot monitoring, and in-situ water chemistry sampling.

Nesting Bird Searches, NS (2022 – Present) – Environmental Scientist: Surveyed prospective project areas for the presence of nesting birds. Collected field data related to any observed species and reported on the findings. Flagged buffer areas for any identified species.

Wetland Delineation and Permitting, NS (2021 – Present) – Environmental Scientist: Completed wetland delineation, functional assessments, and permitting submissions at numerous sites around Nova Scotia. Projects include pre-construction and post-construction monitoring, compensation planning, contingency planning, and erosion and sedimentation control planning.

L8001 and L8005 Transmission Line, NS (2022) – Environmental Scientist: Participated in wetland and watercourse assessments, wildlife surveys, and rare plant and lichen surveys along the linear corridor spanning 100 km from the NS/NB border to Onslow, NS.

Goldboro Liquefied Natural Gas (LNG) Project, NS (2021) – Environmental Scientist: Undertook soil and water sampling, stream flow monitoring, and avian surveys to satisfy conditions for environmental permits and approvals for the construction of an LNG facility. Soil samples were taken along the perimeter of the study area in order to delineate the presence of contaminants associated with historic gold mining. Water samples were analyzed in a lab for parameters including total & dissolved metals, dissolved organic carbon, and total suspended solids. Surveys included MBBA-style early morning passerine surveys, nighttime nocturnal surveys following the *Nova Scotia Nocturnal Owl Survey* sampling methodology, as well as circumnavigating multiple waterbodies and conducting waterfowl nest surveys. Other tasks included the periodic maintenance and data extraction of both acoustic avian monitors and ultrasonic bat monitors.

Highway 102 Aerotech Connector Road Project, NS (2021) – Environmental Scientist: Responsible for conducting field surveys and aiding in the reporting for birds and bats to inform science-based decision making within the project laydown area. Surveys included acoustic monitoring, point-count surveys, and nighttime nocturnal surveys. Other tasks included the periodic maintenance and data extraction of ultrasonic bat monitors, as well as aiding in the development of a wildlife crossing plan to mitigate wildlife-vehicle collisions.

Goldenville Historic Mine Remediation Project, NS (2021) – Environmental Scientist: Flow monitoring was conducted at eight locations within and around the Goldenville Gold Mine site in tandem with a surface water sampling program. A total of eight transducers were submerged (one per sample site), along with an additional datalogger nearby to measure air pressure. A discharge transect was also completed for each sample site using a handheld flow meter. Surface water samples were analyzed in a lab for parameters including total & dissolved metals, dissolved organic carbon, and total suspended solids. This program was conducted as part of an ecological risk assessment for the remediation of the contaminated tailings area.

Touquoy Gold Mine DustTrak Air Monitoring Program, NS (2021) – Environmental Scientist: Responsible for conducting direct-read real time sampling in response to periodic elevated dust levels at the Touquoy Gold Mine Site, in order to better understand the reasons for the elevated dust levels. TSI DustTrak instruments were used to strategically perform monitoring upwind and downwind of known areas of concern. During the monitoring, record was taken of any mining activities occurring, localized weather conditions, and any other potential dust sources in the area. This program was useful for providing a relative comparison of on-site dust levels, offering a good indication of whether compliance with the IA could be achieved.

AREAS OF SPECIALIZATION

- Wetland and Watercourse Assessment
- Wildlife Surveying and Assessment
- Ecological Forestry and Agriculture
- Benthic Invertebrate Analysis

RELEVANT EXPERIENCE

Ms. Schultz joined the Strum team in 2022 as an Environmental Scientist upon completing her coursework for her Masters of Resource and Environmental Management degree at Dalhousie. While studying at Dalhousie, Ms. Schultz specialized in a number of different areas of natural resource management in Nova Scotia, such as forestry, agriculture, and wetlands. She obtained her Bachelor of Science degree in 2019 from the University of Manitoba in the department of biological sciences where she specialized in ecology and environmental sciences. Her honours thesis focused on the ecological application of double-stranded RNA-based pesticides to control flea beetles in canola cropping systems in Manitoba. This project incorporated both field-based sample collection and lab-based sample preparation using techniques in molecular biology.

During her graduate studies, Ms. Schultz worked on a number of large projects, collaborating with multidisciplinary teams to contribute to local issues. As her final MREM Research Project, she produced GIS and statistics-based recommendations for Nova Scotia Natural Resources and Renewables regarding identification of old-growth forest locations in the province. Through the Dalhousie Faculty of Management's 'Management Without Borders' course, Ms. Schultz helped develop recommendations for pest control in the Municipality of the District of Argyle. She also developed an understory vegetation sampling protocol to be used in the Acadia Research Forest by the Canadian Forestry Service.

Ms. Schultz's most recent work experience includes contributing to a research project on bat activity hosted by a global non-profit organization by conducting statistical analysis on acoustic data. Ms. Schultz held a previous position with Nova Scotia Department of Lands and Forestry as a summer intern while completing her graduate studies. This role required remote field work to carry out the provincial old-growth scoring protocol, and desktop GIS-based work to plan and navigate to study locations. Prior to this internship, Ms. Schultz held a position with Agriculture and Agri-Foods Canada as a Junior Policy Analyst. In this role, she focused on the development of the Clean Fuel Standard, which included significant correspondence with agricultural stakeholders and a major deliverable of a jurisdictional scan of clean fuel regulations across the world.

Ms. Schultz is active in conducting ecological studies to contribute to a variety of environmental assessments. She has conducted significant fieldwork across large projects in remote locations, in both Nova Scotia and Manitoba. She is knowledgeable with provincial and federal regulations, working closely with senior staff preparing reports and regulatory submissions.

REPRESENTATIVE PROJECTS AND ROLES

Environmental Effects Monitoring Program, Halifax International Airport Authority, NS, 2022-Present – Environmental Scientist: Conducting preliminary research, planning, field work, data composition, and reporting for benthic macroinvertebrate monitoring plan following CABIN protocol.

EDUCATION

- Masters of Resource and Environmental Management (MREM) - Dalhousie University, Halifax, NS (2022)
- Bachelor of Science (Hons.) - University of Manitoba, Winnipeg, MB (2019)

TRAINING

- Wetland Ecosystem Services Protocol for Atlantic Canada Training – Maritime College of Forest Technology (2022)
- Wetland Delineation Training – Maritime College of Forest Technology (2022)
- Backpack Electrofishing – Canadian Rivers Institute (2022)
- Pilot Certificate for Small Remotely Piloted Aircraft System (RPAS), Visual line-of-sight (VLOS) – Transport Canada (2022)
- Wilderness First Aid and CPR "C" – St. John's Ambulance (2022)

Environmental Assessment, Higgins Mountain Wind Farm, NS, 2022-Present – Environmental Scientist:

Reporting on terrestrial habitat and flora at the Project site in support of an in-progress Environmental Assessment.

Environmental Assessment, Weavers Mountain Wind Farm, NS, 2022-Present – Environmental Scientist:

Collecting winter and spring wildlife data and wetland and watercourse data, and reporting on various field programs for an Environmental Screening Report and in-progress Environment Assessment.

Environmental Assessment, Mersey River Wind Farm, NS, 2022-Present – Environmental Scientist:

Collecting winter and spring wildlife data and wetland and watercourse data, and reporting on various field programs for an in-progress Environment Assessment.

Environmental Assessment, Goose Harbour Lake Wind Farm, NS, 2022-Present – Environmental Scientist:

Collecting winter and spring wildlife data and wetland and watercourse data, and reporting on various field programs for an in-progress Environment Assessment.

Environmental Assessment, Melvin Lake, NS, 2022-Present – Environmental Scientist:

Collecting winter and spring wildlife data.

Environmental Study, Apitamkiejit Wind Farm, NS, 2022 – Environmental Scientist:

Reporting on winter wildlife tracking and winter avian surveys for an Environmental Screening Report.

Environmental Assessment, Blueberry Acres Wind Farm, NS, 2022 – Environmental Scientist:

Reporting on winter wildlife tracking and fall and winter avian surveys for an Environmental Screening Report.

Environmental Assessment, Red Spruce Wind Farm, NS, 2022 – Environmental Scientist:

Reporting on fall migration avian surveys for an Environmental Screening Report.

Environmental Study, L8005 Transmission Line, NS, 2022 – Environmental Scientist:

Collecting winter wildlife data, reviewing a summary report of winter field work, and preparing a proposal for an old-growth forest assessment within the transmission line right-of-way.

Environmental Assessment, Ross Bay Junction, NF, 2022 – Environmental Scientist:

Identifying previously collected benthic macroinvertebrate samples and preparing a report and data summary on the diversity and abundance of species present on the Project site.

PROFESSIONAL ASSOCIATIONS

- Association of Professional Engineers of Nova Scotia (Engineer-in-Training)

AREAS OF SPECIALIZATION

- Industrial Approvals
- Environmental Approvals
- Computer-Aided Design
- Hydrogeology
- Water Treatment
- Climate Change

RELEVANT EXPERIENCE

Frank Gascon is an Engineer-in-Training with a Bachelor's Degree in Environmental Engineering from Dalhousie University in Halifax, NS. Since his employment with Strum, he has been involved in project management, engineering design, environmental monitoring, groundwater assessments, hazard assessments, environmental assessments, project reporting, and regulatory compliance.

Frank has worked directly with the Mechanical Engineering group to design solid waste transfer stations, waste audits, long-term monitoring and regulatory permitting for large Solid Waste and Waste to Energy Facilities. Similarly, he has worked with the Industrial Approvals and Permitting group on various Industrial Approval applications across multiple industries; and is well-versed in the development of Environmental Management Plans. Additionally, he has gained valuable experience from Strum's Senior Hydrogeologist, concerning groundwater assessments for potable groundwater supply development, evaluation and treatment of water quality issues, and review of factors that contribute to the degradation of groundwater resources at residential sites.

Before working with Strum, Frank researched the management and disposal of municipal drinking water treatment plant waste residuals in the Northwest Territories.

REPRESENTATIVE PROJECTS AND ROLES

- **Dartmouth Municipal Compost Facility Environmental Monitoring Program, Dartmouth, NS, 2021 - Present – Intermediate Engineer:** Monitoring groundwater and surface water sampling, data compilation, data analysis, and regulatory reporting. Frank has prepared various approval amendment applications for submission to NSECC, direct correspondence with NSECC and streamlined the monitoring and reporting program.
- **Wind Turbine Environmental Assessments, Multiple Locations, NS, 2021 – Present – Intermediate Engineer:** Conducted watercourse, wetland, fish/fish habitat, wildlife and avian assessments required, and environmental assessment reporting. Developing greenhouse gas and climate change assessment criteria for quantifying effects or impacts from these and other Projects.
- **Groundwater Geothermal Heating and Cooling System Review and Permitting, Wolfville, NS, 2021 - Present – Intermediate Engineer:** Withdrawal flow monitoring, water level monitoring, equipment inspection, water quality sampling, data compilation, data analysis, and regulatory reporting.
- **Municipal Compost Facility Leachate Handling System, Dartmouth, NS, 2021 - Present – Intermediate Engineer:** Design, specification, and industrial approval amendment.

EDUCATION

- Bachelor of Engineering (Environmental), Dalhousie University, Halifax, NS (2020)
- Civil/Mining Technician, Collège Boréal, Sudbury, ON (2010)

TRAINING

- Standard First Aid & CPR
- Excavation and Trenching
- Confined Spaces

- **Level I and II Groundwater Assessments, Multiple Locations, NS, 2021 - Present – Intermediate Engineer:** Supervise well installation, pump testing (i.e., step and constant), sampling, analysis of aquifer characteristics, groundwater modelling, and regulatory reporting.
- **Groundwater Geothermal Cooling Systems, Wolfville, NS, 2021 - Present – Intermediate Engineer:** Withdrawal flow monitoring, water level monitoring, equipment inspection, water quality sampling, data compilation, data analysis, and regulatory reporting.
- **Production Field Centre Hazardous Materials Assessment, Sheet Harbour, NS, 2021 – Junior Engineer:** Hazardous Materials inventory, coordinate sampling, data analysis, and reporting.
- **Green House Gas Inventory Audit, Parrsboro, NS, 2021 – Junior Engineer:** Green House Gas auditing for Fisheries and Oceans Canada (DFO) application.
- **Air Quality Improvement Design, Labrador, NL, 2021 – Junior Engineer:** Design, specification, stack testing, data analysis, and construction of ventilation improvements.
- **Drinking and Wastewater Treatment Plant System Assessments, Baddeck, NS, 2021 – Junior Engineer:** Assess water and wastewater infrastructure, establish an asset inventory, and reporting.
- **Municipal Groundwater Withdrawal Compliance, Pictou, NS, 2021 – Junior Engineer:** Review pumping rates and withdrawal volumes, spatial interferences, sustainability concerns, data analysis, and regulatory compliance.
- **Registered Potable Groundwater Supply Assessment, Cape Breton, NS, 2021 – Junior Engineer:** Review design specifications, well logs, water quality, data compilation, data analysis, and regulatory compliance.

AREAS OF SPECIALIZATION

- Marine Hydrographic Surveys
- Bathymetric Surveys
- Single Beam Sonar Surveys
- Multibeam Sonar Surveys
- Marine Benthic and Water Sampling
- Underwater Video
- Geographic Information Systems (GIS)

COMPUTER EXPERIENCE

- Operating Systems: Windows, OSX, Linux
- Survey Software: HYPACK
- Seismic Software: SonarWiz, Coda
- GPS Software: Trimble Office, Waypoint GPS Processing, GravNav and GravNet
- GIS Software: ArcGIS, GRASS GIS
- CAD Software: AutoCAD Civil 3D
- Image Processing: Surfer, CARIS HIPS and SIPS
- Misc. Software: Grapher, Microsoft Office, Global Mapper, SonarPro

EQUIPMENT EXPERIENCE

- GPS Equipment: Assorted Trimble and equipment for autonomous, differential, static, and RTK surveying (Pro XR, 4600, 4800, 5700/5800), Leica RTK, differential static and total stations
- Surveying Equipment: Knudsen BP320 echosounder, SSS Klein 595 and 3000, Teledyne Reson T20P multibeam, Teledyne Reson 7125 multibeam, Odom MB1 and MB2, Integrated Marine Acoustic Profiling System, Magnetometer, and various GPR equipment.
- Misc. Equipment: RBR XR620 CTD Probe and Tide Gauge, Eckman and Van Veen Grab Samplers, Underwater Camera, CNAV 0183 NMEA GPS receivers

RELEVANT EXPERIENCE

Mr. Savelle is a Marine Surveyor and a GIS Specialist with Strum working in our Environmental Science Group. His area of speciality is in Marine Geomatics and conducting bathymetric and topographic surveys. He has extensive experience in surveying marine benthic surfaces and shorelines, obtaining overlapping hydrographic (multibeam, single beam and side scan sonar) data, data collection positioning and navigation, data processing and compilation, plotting and reporting of results. Matt also has experience collecting conventional total station data, RTK and static GPS data, and has been responsible for project set up, establishing GPS control points, and boat mobilization.

REPRESENTATIVE PROJECTS AND ROLES

EverWind Fuels Green Hydrogen Project, NS, 2022 - Present - Geomatics Specialist: Project work includes geospatial analysis, supporting external inquiries, and integrating environmental and socioeconomic factors into the assessments.

Wind Farm Projects, NS, 2022 - Present - Geomatics Specialist: Project work includes streamlining field data collection, developing in house habitat modelling, tracking applications, and performing geospatial data analysis.

Marine Survey for Offshore Oil & Gas Support Facilities, Sheet Harbour, NS, 2020 – Detailed marine surveys were conducted as part of the planning and permitting process for a marine facility used to support the offshore oil and

EDUCATION

- Centre of Geographic Sciences (COGS), Lawrencetown, Nova Scotia Advanced Diploma in Marine Geomatics (2010)
- Saint Mary's University, Halifax, Nova Scotia Bachelor of Science Degree (BSc) (2009), major in Biology and Minor in Geography

TRAINING

- Marine Basic First Aid
- St. John Ambulance, Level A CPR
- St. John Ambulance, Canadian East Coast Offshore Fitness Certificate
- Med A1 Offshore Survival Systems,
- WHMIS

gas industry. Bathymetric and multibeam sonar surveys were completed to provide a detailed bottom profile and water depths in areas of Sheet Harbour that will be used for large vessel movements. This information will be used to determine proper clearances for vessels and to determine if additional dredging is required. In addition to collecting this survey information, digital video was captured to document the types of marine habitat in the area to support applications for federal approvals.

Chedabucto Bay Marine Surveys for Aquaculture Facilities, NS, 2020 – As part of the detailed siting of marine aquaculture facilities, bathymetric and single beam sonar surveys were completed to provide a detailed bottom profile and water depths in multiple areas of St. Marys Bay. In addition to collecting this survey information, digital video was captured along predetermined transects to document marine habitats, and benthic sediment samples were collected with a Van Veen grab for analysis. Marine survey data was processed to generate detailed digital bottom profiles.

St. Marys Bay Marine Surveys for Aquaculture Facilities, NS, 2019-2020 – As part of the detailed siting of marine aquaculture facilities, bathymetric and single beam sonar surveys were completed to provide a detailed bottom profile and water depths in multiple areas of St. Marys Bay. In addition to collecting this survey information, digital video was captured along predetermined transects to document marine habitats, and benthic sediment samples were collected with a Van Veen grab for analysis. Marine survey data was processed to generate detailed digital bottom profiles.

AREAS OF SPECIALIZATION

- Remote Sensing
- Geographic Information Systems (GIS)
- LiDAR
- Photogrammetry
- Location, spatial, and data analytics
- Geoprocessing, Model Building, and automation
- Database management
- Geomorphology

COMPUTER EXPERIENCE

- Operating Systems: Windows, macOS
- GPS Software: Garmin BaseCamp, Trimble Geospatial
- GIS Software: ArcGIS Suite, QGIS, Global Mapper
- Remote Sensing Data Processing: Trimble Inpho, POSPac MMS, LAStools
- Other Software: CoreDRAW X7
- Scripting: Python 2 & 3, SQL

EDUCATION

- Master of Science in Applied Geomatics, Acadia University, Wolfville, NS (2021)
- Advanced Diploma in Geographic Information Systems (GIS), Centre of Geographic Sciences (COGS), Lawrencetown, NS (2020)
- Bachelor of Science, Major in Geology Saint Mary's University, Halifax, NS (2019)

TRAINING

- Standard First Aid (2022)
- WHMIS (2022)
- RPAS Pilot Certification (2021)
- Over 200 hours ESRI Academy Training (2019 – Present)

RELEVANT EXPERIENCE

Mr. Opra is a GIS Specialist with Strum working in our Environmental Science Group. Mr. Opra specializes in Geomatics analysis and automation. He has extensive experience in implementing workflows for data analysis and processing. This experience includes trajectory processing, processing single and dual channel LiDAR data, photogrammetry, and automation of geospatial data analysis with both vector and raster data. In addition, Mr. Opra is experienced in operating a RPAS for data collection.

During his graduate studies, Mr. Opra focused on the application of remote sensing technologies in exploration geology. He investigated LiDAR as an effective means to visualize topography and in further detail, geomorphological features such as folds and glacial structures. He explored the advantages of both RPAS and airplane-acquired LiDAR while reviewing various software for processing and analysis. Mr. Opra helped support the project's RPAS surveys in Trafalgar, Nova Scotia and processed the data to produce high resolution terrain models.

Prior to and following his research contribution, Mr. Opra worked in academia as an advisor, then in the industry as a Geospatial Data Analyst and as a Remote Sensing Analyst. In academia, he assisted with an Honours thesis in developing a geospatial model to automatically detect sinkholes based on LiDAR data. He also assisted in a Master's thesis by mapping legacy gold mine tailings, and developing a survey grid for sampling. As a geospatial data analyst, he helped create new data products using multispectral imagery for precision agriculture. Through working on various LiDAR and Photogrammetry projects based throughout the Caribbean, USA, and Canada, Mr. Opra was able to apply automation to photogrammetry procedures and LiDAR processing. His commitment to data quality assurance and control, allowed him to develop a deeper understanding of how data is affected by environmental and human factors. His experience in both geology and environmental science allows him to have a strategic approach for geospatial analysis in environmental consulting.

Due to the multidisciplinary nature of Geomatics, Mr. Opra developed the ability to anticipate, identify, and solve diverse geospatial problems. Mr. Opra continues to research advancements in technology to build on and develop efficient procedures for data analysis and collection.

REPRESENTATIVE PROJECTS AND ROLES

EverWind Fuels Green Hydrogen Project, NS, 2022 - Present - Geomatics Specialist: Spearheaded geospatial analysis, supported external inquiries, and integrated environmental and socioeconomic factors in the assessments.

Wind Farm Projects, NS, 2022 - Present - Geomatics Specialist: Streamlining field data collection, developed in house habitat modelling, tracking applications, and performing geospatial data analysis.

Sinkhole Delineation Automation, NS, 2021 - 2022 - Advisor: Assisted in the development of a model within ArcGIS Pro for automating detection and delineation of sinkholes in the Karst prone areas.

LiDAR and Orthoimagery Data Production, Caribbean, USA, and Canada, 2021 - 2022 - Remote Sensing Analyst: Trajectory processing, LiDAR processing, automation, and creation of data products from inception to delivery.

Epiphytic Lichens as Spatial Biomonitors of Airbourne Mercury and Arsenic, 2019 - Research Intern: Used GPS to map historical mining sites and designed survey grids for Lichen collection.

Multispectral Vineyard Imagery Data Production, California, USA, 2020 - Geospatial Data Analyst: Assisted with the development of new proprietary geospatial products for precision agriculture.

Provenance and Diagenesis of Sandstones in the Deep Wells Annapolis G-24, Balvenie B-79, Crimson F-81, Weymouth A-45, and Newburn H-23, Scotian Basin, offshore NS, 2017 - 2018 - Research Assistant: Creation of graphic models and diagrams using data captured by a scanning electron microscope (SEM) to further research efforts in understanding the geology of the Scotian Basin.

Petrography of Bedrock and Ice-rafted Granules, Flemish Cap, Offshore Newfoundland and Labrador, 2017-2018, Research Assistant: Determining petrographic information of the samples using a scanning electron microscope (SEM). Energy dispersive spectroscopy (EDS) was used to determine mineral composition and backscattered electron images (BSE) were used to identify textures. Graphic design software was used to aggregate the images captured from the SEM.

AREAS OF SPECIALIZATION

- Geographic Information Systems (GIS)
- Field Studies
- Avian Radar Analysis
- Wind Turbine Risk Assessment (Shadow Flicker, Noise Modelling & Visual Simulations)

RELEVANT EXPERIENCE

Mr. Johnson first joined Strum in 2021 as an Environmental Field Technician working in our Environmental Science Group. His area of speciality is in Geographic Information Systems and Remote Sensing. He has extensive experience in data collection in the field, installation of monitoring equipment such as groundwater wells, bird and bat monitoring systems, and working with avian radar datasets and wind turbine analysis software. He is responsible for producing concise and accurate mapping products and incorporating them into the environmental assessment.

More recently, Mr. Johnson has been responsible for the predictive modelling of multiple wind farm projects around the province. This includes the shadow flicker and noise assessment impact on receptors in nearby communities, and photo-simulations visualizing turbines in each study area.

REPRESENTATIVE PROJECTS AND ROLES

Higgins Mountain Wind Farm, NS, 2021-2022 – Junior Environmental Technician/GIS Technician: Environmental constraints were calculated and visualized using GIS software, producing mapping products to be used in the official environmental assessment. Avian radar systems were installed and used in various locations of the study area for the purpose of tracking bird activity. Detailed wind turbine risk assessment was conducted for the study area, including noise level and shadow flicker assessments, and photo-simulations visualizing turbines in each potential location.

Pirate Harbour Wind Farm Project, NS) 2021-Present – Junior Environmental Technician / GIS Technician: Responsible for the collection of field data, analysis, and production of accurate GIS mapping products to be used in the reporting process. Avian radar systems were installed and used in various locations of the study area for the purpose of tracking bird activity. Detailed wind turbine risk assessment was conducted for the study area, including noise level and shadow flicker assessments, and photo-simulations visualizing turbines in each potential location.

Ellershuse Wind Farm, NS, 2022-Present – Junior Environmental Technician/GIS Technician: Responsible for the collection of field data, analysis, and production of accurate GIS mapping products to be used in the reporting process. Detailed wind turbine risk assessment was conducted for the study area, including noise level and shadow flicker assessments, and photo-simulations visualizing turbines in each potential location.

Weavers Mountain Wind Farm, NS, 2022 – Present - Junior Environmental Technician / GIS Technician: Responsible for the collection of field data, analysis, and production of accurate GIS mapping products to be used in the reporting process. Detailed wind turbine risk assessment was conducted for the study area, including noise level and shadow flicker assessments, and photo-simulations visualizing turbines in each potential location.

Mersey Wind Farm, NS, 2021 – Present - Junior Environmental Technician / GIS Technician: Responsible for the collection of field data, analysis, and production of accurate GIS mapping products to be used in the reporting process. Avian radar systems were installed and used in various locations of the study area for the purpose of tracking bird activity. Detailed wind turbine risk assessment was conducted for the study area, including noise level and shadow flicker assessments, and photo-simulations visualizing turbines in each potential location.

EDUCATION

- Centre of Geographic Sciences (COGS), Lawrencetown, Nova Scotia Advanced Diploma in Geographic Information Systems (2020)
- Saint Mary's University, Halifax, Nova Scotia Bachelor of Science Degree (BSc) (2017), major in Geography

TRAINING

- Canadian Drone Pilot Certificate (Basic)
- WHMIS
- ATV Training Course

L8005 Transmission Line Moose Tracking Surveys, NS, 2022 – Junior Environmental Technician/GIS

Technician: Participated in field assessments for winter wildlife, with a focus on mainland moose and other species at risk. This involved walking predetermined transects through various habitats to identify and document evidence of wildlife such as tracks, scat, and browsing. Additionally, responsible for the post-processing of field data and production of accurate GIS mapping products to be used in the reporting process.

Various Wetland and Watercourse Delineation Projects, NS, 2021 – Present - Junior Environmental

Technician/GIS Technician: Responsible for the post-processing of field data and production of accurate GIS mapping products to be used in the reporting process.

AREAS OF SPECIALIZATION

- Stakeholder Management & Engagement
- Community Development
- Intercultural Communication
- Data Management and Analysis
- Digital Communications
- Qualitative Research
- Political Affairs

RELEVANT EXPERIENCE

Ms. Morrison joined the Strum team in 2022. She is an experienced facilitator and community organizer with an interdisciplinary academic background. She has lived and worked in six provinces and brings this regional perspective to her work. Her diverse professional experience has fostered strong interpersonal and teamwork skills; she excels in communication, collaboration, and research.

During graduate studies, Ms. Morrison focused on environmental health, environmental racism, and First Nation consultation. She worked as a Qualitative Research Intern with the *Atlantic Policy Congress of First Nation Chiefs Secretariat*. In this role, she participated in the Atlantic consultation session for *Indigenous Circle of Experts Pathway to Canada Target 1* (protecting 17% of terrestrial areas and inland waters by 2020). She also prepared a summary and index of all First Nations' submissions to the federal review of the *Canadian Environmental Assessment Act* and *National Energy Board*. These findings were compiled into a formal report to inform member decision-making.

Prior to joining Strum, Courtney worked various political roles in Alberta, Nova Scotia, and Newfoundland & Labrador. In Alberta, she worked in both government and opposition, and represented the Minister of Health at stakeholder consultation sessions for the *Mental Health Services Protection Act*. In Nova Scotia, she managed a federal campaign (South Shore–St. Margarets). In Newfoundland & Labrador, she worked as a regional organizer and supported Indigenous and Inuk candidates running in Fortune Bay - Cape La Hune, Happy Valley-Goose Bay, and Torngat Mountains. In these roles, Courtney has gained experience developing outreach strategies and managing stakeholder, public, and Indigenous relations.

REPRESENTATIVE PROJECTS AND ROLES

Elmsdale (ELCO) Biochar Plant, NS, 2022-Present – Community Engagement Coordinator: Supported client with presentation to town council.

Ellershouse III Wind Farm, NS, 2022-Present – Community Engagement Coordinator: Supporting client with Electromagnetic Interference and Engagement (Mi'kmaq, Government, Public, and Stakeholder) sections of the EA.

EverWind Fuels Green Hydrogen Project, NS, 2022-Present – Community Engagement Coordinator: Supporting client with Mi'kmaq, Government, Public, and Stakeholder Engagement, as well as these sections of the Class 1 Environmental Assessment (EA).

Goose Harbour Lake Wind Farm, NS, 2022-Present – Community Engagement Coordinator: Supporting client with Mi'kmaq, Government, Public, and Stakeholder Engagement, as well as these sections of the Class 1 Environmental Assessment (EA).

EDUCATION

- Continuing and Professional Education, Change Leadership, University of Alberta, Edmonton, AB (2020)
- Master of Resource and Environmental Management, Dalhousie University, Halifax, NS (2018)
- Bachelor of Arts (Sustainability and Sociology), Dalhousie University, Halifax, NS (2013)

TRAINING

- Standard First Aid, CPR, and AED (2022)
- WHMIS Certificate (2022)
- RBC Sustainability Leadership Certificate (2013)

Higgins Mountain Wind Farm, NS, 2022-Present – Community Engagement Coordinator: Supporting client with Engagement (Mi'kmaq, Government, Public and Stakeholder) sections of the EA.

Laconia Wind Farm, NS, 2022-Present – Community Engagement Coordinator: Supporting client with Mi'kmaq, Government, Public, and Stakeholder Engagement, as well as tracking public/stakeholder engagement efforts.

Mersey River Wind Farm, NS, 2022-Present – Community Engagement Coordinator: Supporting client with public open houses, including ad design for local newspaper, and tracking public engagement. Also supported with Electromagnetic Interference, Engagement (Mi'kmaq, Government, Public, and Stakeholder) and Socioeconomic sections of the EA.

Tusket Wind Farm, NS, 2022-Present – Community Engagement Coordinator: Supporting client with Mi'kmaq, Government, Public, and Stakeholder Engagement, as well as tracking public/stakeholder engagement efforts.

Weavers Mountain Wind Farm, NS, 2022-Present – Community Engagement Coordinator: Supporting client with Electromagnetic Interference, Engagement (Mi'kmaq, Government, Public, and Stakeholder) and Socioeconomic sections of the EA.

AREAS OF SPECIALIZATION

- Avifauna Surveys
- Wetland Delineation
- Plant Identification
- Rare Lichen Assessment

RELEVANT EXPERIENCE

Mr. Pepper has been an active member of the Nova Scotia birding community for the past 14 years, and has participated in such projects as the Maritime Breeding Bird Atlas, the Maritime Nocturnal Owl Survey and the Christmas Bird Count. Chris served as the Field Trip Coordinator for the Nova Scotia Bird Society from 2010-12 and currently sits on the Executive Committee as a Director. Other current roles include acting as the Provincial Coordinator for the Nova Scotia Spring Migration Count.

Mr. Pepper has completed over 4000 hours of avian assessment surveys in Nova Scotia, Newfoundland, and Alberta, working for various companies including Strum Consulting, McCallum Environmental, WSP Ltd, CBCL Ltd., Nature Conservancy of Canada, and Canadian Wildlife Service.

Chris completed multiple avifauna surveys on a series of offshore coastal islands. The study was completed to ascertain the use of the islands by shorebirds during the breeding season, and to identify relationships between habitat and species utilization for nesting and feeding. The importance of the habitat for bird migration periods was also evaluated.

Chris has also been heavily involved in the implementation of comprehensive avifauna surveys in support of multiple wind energy developments in Nova Scotia.

In 2014 Chris completed an extensive bird interaction study at the site of a coastal vehicular causeway crossing in eastern Nova Scotia. The study was conducted to gauge bird behavioural responses to, and interaction with, electrical power line infrastructure. Situated in a marine environment, the study consisted of marine and shorebird species identification, and relationship to migratory pathways, impacts to coastal colony nesting, and access to feeding areas.

In addition to Chris's Avian Assessment experience, he has completed over 3000 hours of Boreal Felt Lichen surveys for various organizations including Stantec, McCallum Environmental, Consulting, Mersey Tobeatic Research Institute, Northern Pulp, Port Hawkesbury Paper, Nature Conservancy of Canada, Nova Scotia Nature Trust, and others.

Chris is also an experienced Wetland Delineator, completing wetland surveys for various companies including McCallum Environmental, Strum Consulting and others.

REPRESENTATIVE PROJECTS AND ROLES

Nova Scotia Wind Farm Developments, NS, Ongoing – Expert Birder: Responsible for completing seasonal avifauna surveys as part of Environmental Assessments in support of multiple proposed wind power projects.

Offshore Island Bird Surveys, NS, Ongoing – Expert Birder: Responsible for completing avifauna surveys on a series of offshore islands along the Eastern Shore of Nova Scotia.

Canso Causeway Bird Study, NS, 2014 – Expert Birder: Completion of avian abundance and species composition surveys at a marine causeway, and evaluation of potential migration pattern disturbance as a result of power line infrastructure.

TRAINING

- Wetland Plant Adaption and Identification and Wetland Delineation (2012)
- First Aid (2015)

MEMBERSHIPS AND ROLES

- Provincial Coordinator for the Nova Scotia Bird Migration Count
- Director for the Nova Scotia Birds Society

Canada Warbler Study, NS, Ongoing – Expert Birder: Completion of surveys to evaluate the potential shift in presence/absence and behavioural changes of Canada Warbler, as a result of local wind farm development.

Abraham’s Lake Bird Surveys, NS, 2011 – Expert Birder: Responsible for completing avifauna surveys in support of the acquisition of a parcel of land on behalf of the Nature Conservancy of Canada.

Education: Master of Arts – History, Saint Mary’s University, 2011
Bachelor of Arts – History and Social Anthropology, Dalhousie University, 1998

Permits: Nova Scotia Heritage Research Permits held since 2008
Newfoundland and Labrador Historic Resources Impact Assessment Permits held since 2011
Parks Canada Agency - Research and Collection Permits held since 2017

Affiliations: Saint Mary’s University, Adjunct Professor, Department of Anthropology (2014-Present)
Acadia University, Part-time Professor, Department of History and Classics (2017)

Archaeological Land Trust of Nova Scotia (Director: 2006-Present; Secretary/Treasurer: 2011-2017)
Association of Professional Archaeologists of New Brunswick (2013-Present; Secretary: 2018-2021)
Canadian Archaeology Association (Vice President: 2020-Present)
Gorsebrook Research Institute, Saint Mary’s University (External Director: 2020-Present)
Nova Scotia Archaeology Society (Director: 2004-2008; 2015-2016; President: 2005-2007; 2016-2018)
Royal Nova Scotia Historical Society (Director: 2010-2013; Vice President: 2013-2017; President: 2017-2020)

EMPLOYMENT HISTORY

Saint Mary’s University, Halifax, Nova Scotia

2020 Adjunct Professor, Department of Anthropology

Parks Canada, Indigenous Affairs & Cultural Heritage Directorate, Halifax, Nova Scotia

2019-2020 Collections Specialist (SI-2) – responsible for the creation of an archaeological inventory/database of all Indigenous material cultural from Nova Scotia National Historic Sites/Parks held in the Parks Canada collection, report writing, and photography.

2018 Collections Specialist (SI-2) – responsible for the creation of an archaeological inventory/database of all Indigenous material cultural from Prince Edward Island National Historic Sites/Parks held in the Parks Canada collection, report writing, and photography.

Acadia University, Wolfville, Nova Scotia

2017 Part-time Professor, Department of History and Classics

Boreas Heritage Consulting Inc., Halifax, Nova Scotia

2013-Present Principal and Senior Archaeologist/Historian providing archaeological, historical and heritage consulting services to public and private sector clients.

Parks Canada, Indigenous Affairs & Cultural Heritage Directorate, Halifax, Nova Scotia

2017 Archaeological Assistant (GT-1) – responsible for the creation of an archaeological inventory/database of all Indigenous material cultural from New Brunswick National Historic Sites/Parks held in the Parks Canada collection, report writing, photography, and conservation.

Stantec Consulting, Churchill River, Newfoundland & Labrador

2015-2017 Senior Archaeologist/Field Team Lead for Stage 3 Mitigation of Muskrat Falls Hydroelectric Project, Labrador, involved in all aspects of archaeological assessment and mitigation, including: research, implementation of field and lab work, artifact analysis, and report writing. This project required working in remote areas of Labrador, directing large field crews, and working closely with Innu and other Indigenous peoples.

Cultural Resource Management Group Limited, Halifax, Nova Scotia

2006-2013 Staff Archaeologist and Historian involved in all aspects of archaeological assessment and mitigation, including project management, research, implementation of field and lab work, and report writing.

Parks Canada, Halifax, Nova Scotia

2004 Archaeological Site and Laboratory Assistant, Beaubassin & Fort Lawrence National Historic Sites.

Private Consultant

2003-2006 Provided archaeological and historical research services to private sector consulting firms in Nova Scotia.

Jacques Whitford Environment Limited, Dartmouth, Nova Scotia

1993 Field Technician and Archaeological Assistant involved in various aspects of environmental assessment.

Parks Canada, Halifax, Nova Scotia

1992 Field Archaeologist and Laboratory Assistant, Fort Anne National Historic Site.

REPRESENTATIVE PROFESSIONAL EXPERIENCE

- 2021 Project Manager for Gaspereau Lake Reservoir Archaeological Mitigation, for Nova Scotia Power Inc.
- Principal Investigator for Archaeological Impact Assessment of Acadia Wharf Extension, for Develop Nova Scotia
- Principal Investigator for Archaeological Impact Assessment of Blandford to Tancook Ferry Terminals, for NS Department of Transportation
- Principal Investigator for Archaeological Impact Assessment of Peggy's Cove Revitalization, for Develop Nova Scotia
- 2020 Project Manager for Archaeological Impact Assessment of installation of electric charging stations at Ardgowan National Historic Site, Prince Edward Island, for Parks Canada
- Project Manager for Archaeological Impact Assessment of George's Island National Historic Site, for Parks Canada
- Project Manager for Geophysical Survey of Shubenacadie Residential School, for Confederacy of Mainland Mi'kmaq
- Principal Investigator for Archaeological Assessment of Deep Panuke Jackup Gas Production Field Centre (PFC) Platform, for RJMI Ltd.
- 2019 Project Manager and Lead Researcher for Chignecto Isthmus Indigenous Knowledge Study (Archaeology), for Mi'gmawe'l Tplu'taqnn Incorporated
- 2018 Project Manager for Archaeological Impact Assessment of PEI National Park – Morrison Cottage Infrastructure Removal, for Parks Canada
- Principal Investigator for Geophysical Investigation of the Garrison Graveyard at Fort Anne National Historic Site, for Parks Canada
- Project Manager/Senior Archaeologist for Geophysical Investigation of Chapel Island at Potlotek First Nation;

for Potlotek First Nation

Project Manager/Senior Archaeologist for Archaeological Impact Assessment of Kejimikujik Multi Use Trail in Kejimikujik National Park/National Historic Site, for Parks Canada

Project Manager for Hydro Asset Study, for Nova Scotia Power Incorporated

Project Manager/Senior Archaeologist for Archaeological Resource Impact Assessment PID 15308448, in Cape Breton Regional Municipality, for Eskasoni First Nation

Project Manager/Senior Archaeologist for Archaeological Impact Assessment of Halifax Citadel National Historic Site in Halifax Regional Municipality, for Parks Canada

Archaeological Assistant for 2018 Archaeological Survey & Geophysical Investigation of Sable Island National Park Reserve, for Parks Canada

2017 Project Manager for Archaeological Impact Assessment of PEI National Park Project FII 1427, for Parks Canada

Principal Investigator for Geophysical Investigation of Elsdale Anomaly at Halifax Citadel National Historic Site, in Halifax Regional Municipality, for Parks Canada

Principal Investigator for Archaeological Salvage Operation at Canso Islands National Historic Site in Canso, in Guysborough County, for Parks Canada

Project Manager/Historian/Archaeologist for Archaeological Impact Assessment of Halifax Citadel National Historic Site in Halifax Regional Municipality, for Parks Canada

Archaeological Assistant for 2017 Archaeological Survey of Sable Island National Park Reserve, for Parks Canada

Project Manager/Senior Archaeologist for Archaeological Resource Impact Assessment of Ellershouse Windfarm, in Hants County, for Strum Consulting

Project Manager for Archaeological Impact Assessment of Kouchibouguac Force Main Realignment, in Kouchibouguac National Park, New Brunswick, for Parks Canada

Principal Investigator for Archaeological Resource Impact Assessment of Big Moon Tidal Demonstration Site, in Cape Split, Kings County, for Strum Consulting

2016 Field Team Lead for Stage 3 Mitigation of Muskrat Falls Hydroelectric Project, Labrador, for Stantec

Senior Archaeologist/Historian for Archaeological Overview Assessment of Halifax Citadel National Historic Site in Halifax Regional Municipality, for Parks Canada

Project Manager/Senior Archaeologist for Archaeological Screening and Reconnaissance of Cow Bay Road-Grand Lake Road in Cape Breton Regional Municipality, for Nova Scotia Department of Natural Resources

2015 Field Team Lead for Stage 3 Mitigation of Muskrat Falls Hydroelectric Project, Labrador, for Stantec

Principal Investigator for Archaeological Monitoring of geotechnical drilling at Upper Lake Falls, Mersey River Hydro System in the Region of Queens Municipality, for Nova Scotia Power Incorporated

Project Manager/Historian for Archaeological Monitoring of site preparation for Horizontal Directional Drilling Pad location at Cape Ray, Newfoundland and Labrador, for NSP Maritime Link Inc. / Emera Newfoundland and Labrador

Project Manager/Historian for Archaeological Screening and Reconnaissance of the Mersey Hydro System Redevelopment in the Region of Queens Municipality, for Nova Scotia Power Incorporated

Project Manager/Historian for Archaeological Screening and Reconnaissance of Eon Wind – Ketch Harbour Wind Farm in Halifax Regional Municipality, for Strum Environmental

Project Manager for Archaeological Monitoring of tree clearing for Maritime Link - Onslow to Springhill Transmission Line near Debert, for Nova Scotia Power Incorporated

2014 Principal Investigator for Archaeological Shovel Testing of Maritime Link – Onslow to Springhill Transmission Line – Debert Area in Colchester County, for Nova Scotia Power Incorporated

Project Manager for Archaeological Screening, Reconnaissance and Shovel testing of Haddock Harbour in Richmond County, for Glenn Group

Project Manager for Archaeological Screening, Reconnaissance and Shovel Testing of Lower Lake Falls Reservoir in Queen’s County, for Nova Scotia Power Incorporated

Project Manager for Archaeological Screening and Reconnaissance of Van Dyke Blueberry (PID 70036504) in Queens County

Project Manager for Archaeological Shovel Testing of Town Point (PID 01302165) in Antigonish County

Project Manager for Archaeological Screening and Reconnaissance of Eon Wind Farms in Queen’s County and Halifax Regional Municipality, for Strum Consulting

Project Manager for Archaeological Screening and Reconnaissance of Maritime Link - Onslow to Springhill Transmission Line, for Nova Scotia Power Incorporated

Project Manager for Archaeological Screening and Reconnaissance of Northumberland Rock Quarry Expansion in Antigonish County, for Alva Construction

Principal Investigator for Archaeological Screening and Reconnaissance of Hardwood Lands Community Wind Project in Hants County, for Strum Environmental

Principal Investigator for Archaeological Monitoring of Upper Broad River Bridge Replacement in Queens County, for Nova Scotia Department of Internal Services

Project Manager for Archaeological Monitoring of Sandy Lake drawdown in Halifax Regional Municipality, for Nova Scotia Power Incorporated

Principal Investigator for Archaeological Testing of Castor’s River, Newfoundland

Project Manager for Archaeological Screening and Reconnaissance of Chedabucto Aggregates Quarry Expansion in Guysborough County, for Strum Environmental

Project Manager for Archaeological Screening, Reconnaissance and Testing of Mink Lake Dam Refurbishment in Yarmouth County, for Nova Scotia Power Incorporated

Project Manager for Archaeological Screening, Reconnaissance and Testing of PID 25223686 in Cumberland County

Project Manager for Archaeological Screening, Reconnaissance and Testing of PID 50001007 in Inverness County

Principal Investigator for Archaeological Screening and Reconnaissance of Crowdis Bridge Replacement in Inverness County, for Nova Scotia Department of Transportation and Infrastructure Renewal

2013 Principal Researcher/Historian for Historical Research Report on the “Formation of the Jewish Legion at Fort Edward during WWI”, for Parks Canada

Project Manager for Archaeological Screening and Reconnaissance of proposed Dufferin Mine Expansion in Halifax Regional Municipality, for Ressources Applaches

Project Manager for Archaeological Testing of proposed Neives Dam Replacement in Annapolis County, for Nova Scotia Power Incorporated

Project Manager for Stage 2 Archaeological Assessment of proposed subdivision in Happy Valley-Goose Bay, Labrador, for Goose Bay Capital Corp. Inc.

Principal Investigator for Archaeological Testing of the Thibodeau Village/Shawbrook Farm site in Hants County;

2012 Principal Investigator for Archaeological Testing of the Shawbrook Farm site in Hants County

Principal Investigator for Archaeological Testing of the Donahue Dam Refurbishment project in Guysborough County, for Nova Scotia Power Incorporated

Principal Investigator for Archaeological Testing of the Cooks Brook Pit Expansion project in Halifax Regional Municipality, for Gallant Aggregates Limited

Principal Investigator for the Archaeological Testing of Highway 103 Connector Road in Halifax Regional Municipality, for Nova Scotia Department of Transportation and Infrastructure Renewal

2011 Principal Investigator for Archaeological Screening, Reconnaissance and Strategic Testing of the Cape Ray, Newfoundland component of the *Maritime Link* project, for Emera Newfoundland and Labrador

Field Supervisor for Archaeological Survey of Lawlors Island Quarantine Facility in Halifax, Nova Scotia

Principal Investigator for Archaeological Screening and Reconnaissance of the Cape Breton Grounding Site components of the *Maritime Link* project, for Emera Newfoundland and Labrador

Field Supervisor and Principal Researcher for Archaeological Screening and Reconnaissance of the Newfoundland component of the *Maritime Link* project, for Emera Newfoundland and Labrador

Field Supervisor and Principal Researcher for Archaeological Screening and Reconnaissance of the Cape Breton component of the *Maritime Link* project, for Emera Newfoundland and Labrador

Principal Investigator for Archaeological Monitoring of the Provincial Law Courts Parking Lot Replacement in Halifax Regional Municipality, for Department of Transportation and Infrastructure Renewal

Principal Investigator for Comparative Evaluation of archaeological potential assessment of the Greater Sydney Area Wastewater Collection Project in Cape Breton Regional Municipality, for Cape Breton Regional Municipality

Principal Investigator for Archaeological Screening, Reconnaissance and Testing of the proposed Ingramport Cellular Tower Site in Halifax Regional Municipality, for GENIVAR

Principal Investigator for Archaeological Reconnaissance of the Falls Lake Refurbishment in Hants County, for Nova Scotia Power Incorporated

Principal Investigator for Archaeological Screening and Reconnaissance of McNab's Bridge, Hay Cove Bridge, Soldiers Bridge, Sutherlands Culvert and Thorn Culvert, in Richmond County, for Nova Scotia Department of Transportation and Infrastructure Renewal

Principal Investigator for Archaeological Screening and Reconnaissance of the Aberdeen Transmission Line and Substation Expansion in Inverness County, for Nova Scotia Power Incorporated

Principal Investigator for Archaeological Monitoring of the Shoreline Stabilization Project at Malagawatch, Inverness County, for Dillon Consulting Limited and the Assembly of Nova Scotia Mi'kmaq Chiefs

Principal Investigator for Archaeological Assessment of the Northeast Nova Scotia Correctional Facility in Pictou County, for Nova Scotia Department of Transportation and Infrastructure Renewal

Principal Investigator for Archaeological Screening and Reconnaissance of the Raynardton and Alders Bridge

Replacement projects in Yarmouth County, for Nova Scotia Department of Transportation and Infrastructure Renewal

Principal Investigator for Archaeological Screening and Reconnaissance of the Antigonish Wind Project in Antigonish County, for Nova Scotia Power Incorporated

- 2010 Principal Investigator for Archaeological Screening and Reconnaissance of the Donahue Dam Refurbishment project in Guysborough County, for Nova Scotia Power Incorporated
- Principal Investigator for Archaeological Screening and Reconnaissance of the Baddeck Landfill Expansion project in Victoria County, for the Municipality of the County of Victoria
- Principal Investigator for Archaeological Screening and Reconnaissance of the Ten Mile Lake Dam project in Halifax Regional Municipality, for Nova Scotia Power Incorporated
- Principal Investigator for Archaeological Screening and Reconnaissance of the Marshall Falls Dam project in Halifax Regional Municipality, for Nova Scotia Power Incorporated
- Principal Investigator for the Archaeological Monitoring of soil sampling at the Halifax Armoury in Halifax, for Defence Construction Canada
- Principal Investigator for the Archaeological Assessment of proposed Highway 103 Connector Road alignments in Halifax Regional Municipality, for Nova Scotia Department of Transportation and Infrastructure Renewal
- Principal Investigator for the Archaeological Screening and Reconnaissance of the Stillwater Later Bridge Replacement project, for Halifax Regional Municipality
- Principal Investigator for Archaeological Screening and Reconnaissance of the Lower Cove Wind Project in Cumberland County, for Nova Scotia Power Incorporated
- Principal Investigator for Archaeological Screening and Reconnaissance of the Loganville Wind Project in Colchester County, for Nova Scotia Power Incorporated
- Principal Investigator for Archaeological Screening and Reconnaissance of the Nuttby I & II Wind Projects in Colchester County, for Nova Scotia Power Incorporated
- 2009 Principal Researcher for Archaeological Assessment of proposed Highway 113 alignment in Halifax Regional Municipality, for Nova Scotia Department of Transportation and Infrastructure Renewal
- Field Archaeologist and Principal Researcher for Archaeological Assessment of the Ferrona Bridge Replacement Project in Pictou County, for Nova Scotia Department of Transportation and Infrastructure Renewal
- Principal Researcher for Archaeological Assessment of the Hawthorne Farm Site within a proposed mine expansion area in Gays River, Nova Scotia, for Acadian Mining
- Principal Investigator for the Archaeological Monitoring of subterranean electrical duct installation at CFB Stadacona in Halifax, for Department of National Defence
- Field Director for Stage 2 and Stage 3 Archaeological Assessments of Talbot Wind Farm, in Chatham-Kent, Ontario, for Renewable Energy Systems - *Reports on file with Ontario Ministry of Tourism, Culture and Sport*
- 2008 Principal Investigator for Archaeological Screening and Reconnaissance of the Fifteen Mile Stream Development in Halifax Regional Municipality, for Nova Scotia Power Incorporated
- Principal Researcher for Archaeological Assessment of Highway 101 Twinning in Kings County, for Nova Scotia Department of Transportation and Infrastructure Renewal
- Field Supervisor and Principal Researcher for Archaeological Screening, Reconnaissance and Testing of Great Barren Dam Safety Remedial Works in Yarmouth County, for Nova Scotia Power Incorporated

Field Archaeologist and Principal Researcher for Archaeological Screening and Reconnaissance of the Ardoise Development Property in Hants County, for Environmental Design and Management Limited

Field Archaeologist and Principal Researcher for Archaeological Screening and Reconnaissance of the Sandy Lake Development Property in Halifax Regional Municipality, for Armco Capital Incorporated

Field Supervisor and Principal Researcher for Archaeological Screening and Reconnaissance of the Beaver Dam, Getty, Northeast Expansion, Smithfield, and Cape Breton Barite development properties, all proposed mine expansion areas in Nova Scotia, for Acadian Mining Corporation

Field Archaeologist and Principal Researcher for Archaeological Screening and Reconnaissance of proposed harbour improvements at Margaree Harbour, Inverness County, for Public Works and Government Services Canada

Principal Researcher for Assessment of the Touquoy Gold Project – Moose River Heritage Preservation in Halifax Regional Municipality, for Atlantic Gold

2007 Field Supervisor and Principal Researcher for Archaeological Investigations of the Dartmouth Turbine Chamber, part of the Shubenacadie Canal System and Starr Manufacturing complex in Dartmouth, for Halifax Regional Municipality & the Shubenacadie Canal Commission

Field Director and Principal Researcher for the Monitoring and Mitigation of features identified during construction of Founders Corner Condominiums in Halifax Regional Municipality, for Nova New England Group

Field Archaeologist for the Archaeological Mitigation of the Sinkhole Site, a Precontact habitation site within a proposed mine expansion area in Colchester County, for ScoZinc Limited

Principal Researcher and Field Archaeologist for Archaeological Reconnaissance and Testing of proposed Highway 104 corridor and interchange areas between Port Hawkesbury and Port Hastings, Cape Breton, for Department of Transportation and Infrastructure Renewal

Principal Researcher for Archaeological Assessment of Lot 209, Palaeo Subdivision in Debert, Colchester County, for Department of Transportation and Public Works

2006 Field Archaeologist during search for the Portobello Turbine Chamber, part of the Shubenacadie Canal System in Waverly, for Halifax Regional Municipality & the Shubenacadie Canal Commission

Field Archaeologist for Archaeological Screening, Reconnaissance and Testing of proposed Miller's Creek gypsum quarry expansion in Hants County, for Fundy Gypsum Company

Field Archaeologist for the Archaeological Reconnaissance of Wrights Lake and Coon Pond in Halifax Regional Municipality, for Nova Scotia Power Incorporated

Field Archaeologist for the Archaeological Assessment of construction related activities at McGowan Headpond Main Dam on the Medway River in Queens County, for Nova Scotia Power Incorporated

2005 Field Archaeologist for Archaeological Testing of proposed Lingan Wind Turbine #2 site in Cape Breton County, with CRM Group

Field Archaeologist and Archaeological Monitor of proposed Port Hawkesbury/Port Hastings Sewage Treatment Plant site in Inverness County, with CRM Group

Archaeological Monitor during construction of Balmoral Pump Station and connecting pipe system at Point Pleasant Park in Halifax Regional Municipality, with CRM Group

Field Archaeologist for partial excavation and documentation of a 19th century shipwreck (BdCv-51) in Woodside, Nova Scotia, with CRM Group

Archival Research for "Crafting an Identity: Occupational Therapy in Nova Scotia, 1950-1972", in Halifax, Nova Scotia, for Saint Mary's University and Associated Medical Services Inc.

- 2004 Archaeological Site and Laboratory Assistant for Archaeological Testing of Beaubassin and Fort Lawrence National Historic Sites in Cumberland County, for Parks Canada
- Field Archaeologist and Artifact Processor for Archaeological Mitigation of the Maritime Museum Combined Sewage Overflow Chamber in Halifax Regional Municipality, with CRM Group
- 2003 Field Archaeologist for Archaeological Assessment of Highway 101 structure construction areas in Yarmouth County, with CRM Group
- Field Archaeologist for Archaeological Assessment of a proposed quarry expansion area in Colchester County, with CRM Group
- 1993 Field Technician and Archaeological Assistant for Jacques Whitford Environment Limited, Dartmouth, Nova Scotia
- 1992 Field Archaeologist and Laboratory Assistant for Archaeological Excavation of Charlesfort site at Fort Anne National Historic Site in Annapolis County, for Parks Canada

PUBLICATIONS AND PRESENTATIONS

- Beanlands, Sara 2018 "The Training of the Jewish Legion in Windsor, Nova Scotia, During the First World War," *Journal of the Royal Nova Scotia Historical Society*, Vol. XXI (2018).
- Beanlands, Sara 2012 "The Reverend Professor Andrew Brown: An Academic Reassessment," *The University of Edinburgh Journal*, Vol. XLV, No.4 (2012).
- Erickson, Paul & Jonathan Fowler, eds. 2010 "Neighbours in Time," in *Underground Nova Scotia: Stories of Archaeology*. Halifax: Nimbus Publishing.
- Reid, John G et. al. 2009 "Is There a Canadian Atlantic World?" *International Journal of Maritime History*, Vol. XXI, No. 1 (2009).
- MacIntyre, April & Sara Beanlands 2008 "History of Sale: The Treasure Trove Act in Nova Scotia," In *Preprints of the 15th Triennial Meeting, New Delhi, 22-26 September 2008*.
- Beanlands, Sara 2006 "The Rev. Dr. Andrew Brown: Nova Scotia's Elusive Historian," *Journal of the Royal Nova Scotia Historical Society*, Vol. IX (2006).
- 2019 "Merging UAV Data with Subsurface Ground Penetrating Radar for Archaeological Investigations", Nova Scotia Community College AGRG-COGS *Sensors High and Low: Measuring the Reality of Our World Conference*, Middleton, Nova Scotia
- "Archaeology and Species at Risk Research in Kespukwitk", with Jeff Purdy, *Kespukwitk Two-Eyed Seeing Gathering*, Bear River First Nation, Nova Scotia
- "What Lies Beneath: An Acadian Ancestry Project", Kings Theatre, Annapolis Royal, Nova Scotia
- 2018 "Sandy Banks (FgCg-01): The Archaeology of a Hudson's Bay Company Fur Trade Post in Central Labrador", with Fred Schwarz et al., *Council for Northeastern Archaeology Conference*, Halifax, Nova Scotia
- "A Typological analysis of the Stone Pipes of the Isthmus of Chignecto, Eastern Canada", with Eric Tremblay et al., *Council for Northeastern Archaeology Conference*, Halifax, Nova Scotia
- "The Elsdale Anomaly: Geophysics and the Search for Fort Luttrell", *Council for Northeastern Archaeology Conference*, Halifax, Nova Scotia
- "The Training of the Jewish Legion at Fort Edward", *Royal United Services Institute of Nova Scotia*, Royal Artillery Park, Halifax, Nova Scotia
- "The Jewish Legion in Windsor", *Atlantic Mayors Congress*, Windsor, Nova Scotia

- “Voices of the Landscape”, *Landscape of Cultures Festival*, Grand Pré National Historic Site, Nova Scotia
- 2017 “Landscape in Memory: What Time is it in Fort Lawrence?”, *Nova Scotia Archaeology Society*, Halifax, Nova Scotia
- “The Training of the Jewish Legion at Fort Edward during the First World War”, *Royal Nova Scotia Historical Society*, Halifax, Nova Scotia
- 2016 “Unearthing our History”, *West Hants Historical Society Heritage Banquet*, Windsor, Nova Scotia
- “Thibodeau Village: Community Engagement, Archaeology, and the Discovery of an Acadian Past in a Nova Scotia Planter Landscape”, *Genealogical Association of Nova Scotia*, Dartmouth, Nova Scotia
- “John Reid’s Influence on Historical Archaeology in Nova Scotia”, *Practicing History in the 21st Century Symposium*, Saint Mary’s University, Halifax, Nova Scotia
- 2015 “An Early African-Nova Scotian Burial Ground in Hammonds Plains”, *Black Canadian Studies Conference*, Dalhousie University, Halifax, Nova Scotia
- “Preserving the Memory of Historical Public Space in Halifax Regional Municipality”, *Public Space, History and Memory Symposium*, Saint Mary’s University, Halifax, Nova Scotia
- “Thibodeau Village: Community Engagement, Archaeology, and the Discovery of an Acadian Past in a Nova Scotia Planter Landscape”, *Evenings at Government House Lecture Series*, for the Lieutenant Governor of Nova Scotia, Government House, Halifax, Nova Scotia
- 2013 “Re-layering the Cultural Landscape”, *Nova Scotia Heritage Conference*, Liverpool, Nova Scotia
- “Unravelling the 3D Cultural Landscape within a Tablet Interface”, *European Archaeology Association*, Pilsen, Czech Republic
- 2012 “Rev. Dr. Andrew Brown and the Removal of the French Inhabitants of Nova Scotia”, *Monument-Lefebvre National Historic Site*, Memramcook, New Brunswick
- 2011 “The Brown Manuscripts: An 18th Century Approach to Understanding Acadia”, *Histoire de l’Acadie: New Approaches*, Saint Mary’s University, Halifax, Nova Scotia
- “Bayonets, Bottles and Beads: An Overview of Archaeological Sites in the Chignecto”, *Tantramar Heritage Trust*, Sackville, New Brunswick
- 2010 “Finding Acadia in Planter Oral Tradition”, *Colchester Historical Society*, Truro, Nova Scotia
- “An Introduction to Industrial Archaeology”, *Industrial Heritage Nova Scotia*, Halifax, Nova Scotia
- “The Brown Manuscript: An 18th Century Account of the Acadian Deportation”, *Causerie: Grand-Pré*, Place des Arts Père Anselm Chaisson, Cheticamp, Nova Scotia
- “Removal of the French Inhabitants of Nova Scotia by Lieut. Governor Lawrence & His Majesty’s Council in October 1755”, *Tantramar Heritage Trust*, Sackville, New Brunswick
- 2009 “The Brown Manuscript and the Scottish Enlightenment”, *Atlantic Canada Studies Conference*, University of Prince Edward Island, Charlottetown, Prince Edward Island
- 2008 “New Perspectives on the Idea of a ‘Canadian’ Atlantic World”, *International Workshop on Material Culture Dimensions of the Asia-Atlantic Comparison and on the ‘Canadian’ Atlantic World*, Halifax, Nova Scotia
- 2006 “Thibodeau Village”, *Confederation of Association of Acadian Families*, Lafayette, Louisiana
- “Thibodeau Village”, *Acadian Memorial*, St. Martinville, Louisiana
- “If the Land Could Speak”, *Grand-Pré National Historic Site*, Wolfville, Nova Scotia

- “Andrew Brown and the Acadians”, *Société Historique Acadienne*, Université de Moncton, Moncton, New Brunswick
- 2005 “An Enlightened Mind in Nova Scotia: The University of Edinburgh’s Andrew Brown - Nova Scotia’s First Historian”, *University of Edinburgh*, Centre of Canadian Studies, Edinburgh, Scotland
- “The Rev. Dr. Andrew Brown: Nova Scotia’s Elusive Historian”, *Royal Nova Scotia Historical Society*, Halifax, Nova Scotia

SCHOLARSHIPS AND AWARDS

- 2017 Volunteer Service Award (Municipality of the District of West Hants & the Town of Windsor)
- 2013 Nova Scotia Museum Research Grant (Cultural History)
- 2006/2007 Mary Jackson-Hinch and Joseph Hinch Research Award (St. Mary’s University)
- 2006 Honorary Citizenship to the City of Lafayette, Louisiana for contributions to Acadian Society
- 2005/2006 St. Mary’s University Graduate Award Scholarship
- St. Mary’s University Faculty of Graduate Studies and Research Fellowship
- 2005 Associated Medical Services Hannah Studentship
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TRAINING AND CERTIFICATES

Certified Emergency First Aid CPR Level A.
Wilderness First Aid
WHMIS
