WELCOME TO OUR PUBLIC INFORMATION SESSION FOR THE MACLELLANS MOUNTAIN QUARRY PROJECT

Please sign in and provide your contact information if you would like to receive further information and updates about the Project.

We invite you to walk around and look at the displays.

If you have any comments or questions please ask one of our representatives or fill out a comment card and we will be in touch!

Thank you for coming!

S.W. WEEKS CONSTRUCTION LTD.

PROJECT DESCRIPTION

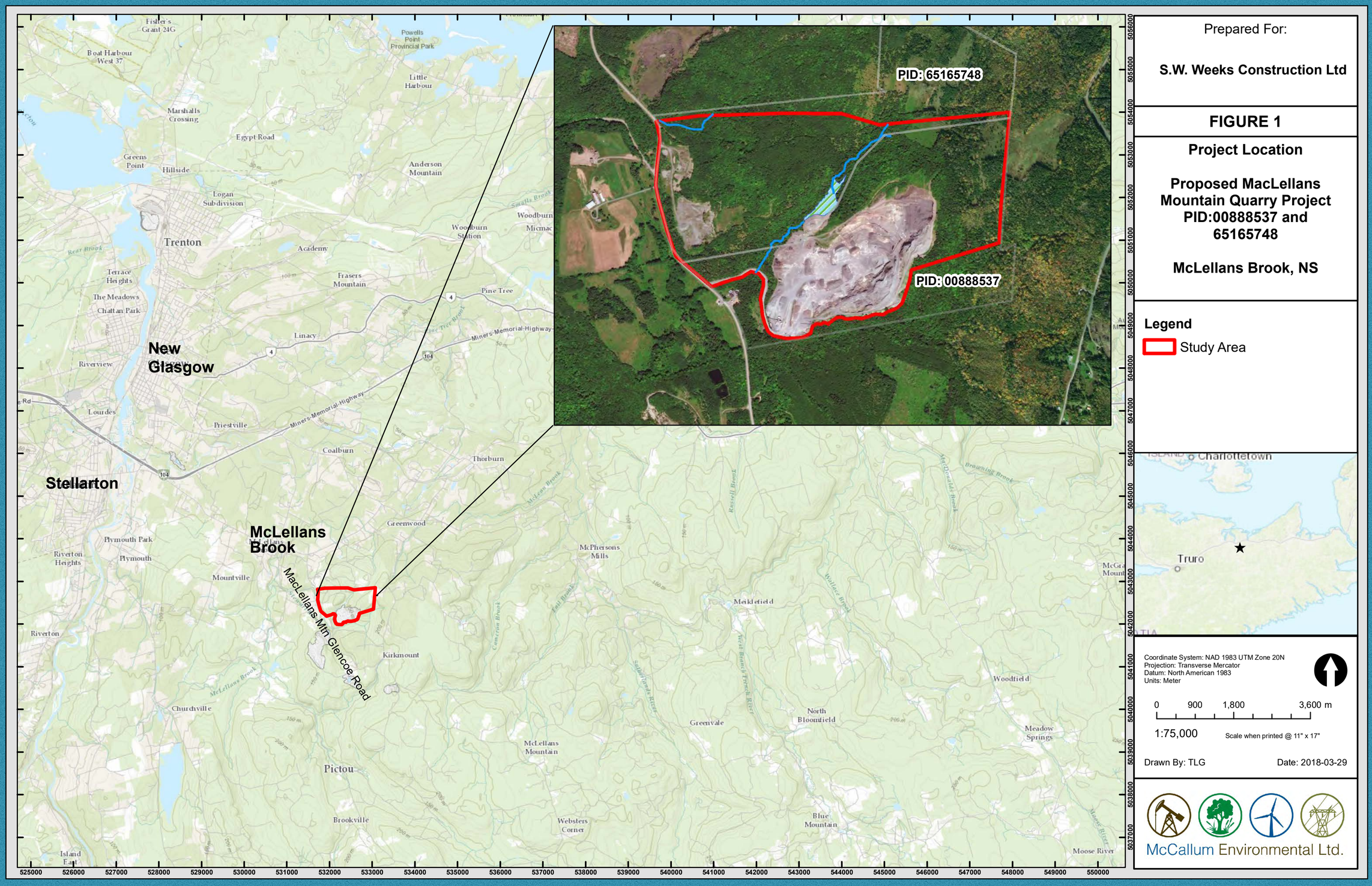
The MacLellans Mountain Quarry Project is an existing quarry located 2km southeast of the community of McLellans Brook, Nova Scotia. Current quarry production is anticipated to remain consistent in the future; however, S.W. Weeks Construction intends to expand the existing quarry area. This activity requires Provincial Environmental Assessment registration (Class I undertaking).

Project Schedule

Project Development Steps	Status
Environmental Studies	Winter, Spring, Summer and Fall 2017
Public Consultation	April 10, 2018 (Information Session and ongoing throughout the project to inform project design)
Environmental Assessment Registration	June 2018
Quarry Life Window	2018 - 2068 (50 years)
Expected EA Decision	Fall 2018

PROJECT LOCATION AND DETAILS

The MacLellans Mountain Quarry Project Study Area is located 6km southeast of Stellarton, and is located on 86 hectares of privately owned land. The quarry is currently operating under a Nova Scotia Environment Industrial Approval.



The existing MacLellans Mountain Quarry is located within the southern extent of the Study Area. A former aggregate quarry is located adjacent to the MacLellans Mountain Glencoe Road. The remainder of the Study Area comprises a combination of intact coniferous and mixed wood forest, and evidence of historical forestry activities.

VALUED ENVIRONMENTAL COMPONENTS

The Project is subject to provincial regulatory review by the Department of Environment under the Nova Scotia Environmental Assessment (EA) Regulations (Section 49 of the NS Environment Act).

Environmental surveys have been conducted following guidance from various agencies including the Nova Scotia Department of Natural Resources (DNR), Nova Scotia Environment (NSE) and the Canadian Wildlife Service (CWS).

Valued Environmental Components (VEC) are existing environmental features that have value to all stakeholders. Predicted environmental effects and adverse effects that may be influenced by the Project, are evaluated as part of the EA process.

The following VEC's have been evaluated for the MacLellans Mountain Quarry:

Biophysical Environment
- birds and wildlife
- species at risk (SAR)
- wetlands
- surface water
- vegetation and habitat

Archaeological and Cultural Resources
- presence of culturally significant features

Groundwater
- effect of blasting
- interaction with groundwater

Noise
- quarry related noise levels

Traffic
- transport truck volume

Air Quality (dust)
- quarry related dust

Residential Receptors
- proximity to proposed quarry areas

VALUED ENVIRONMENTAL COMPONENTS
Evaluation Results

Wetlands

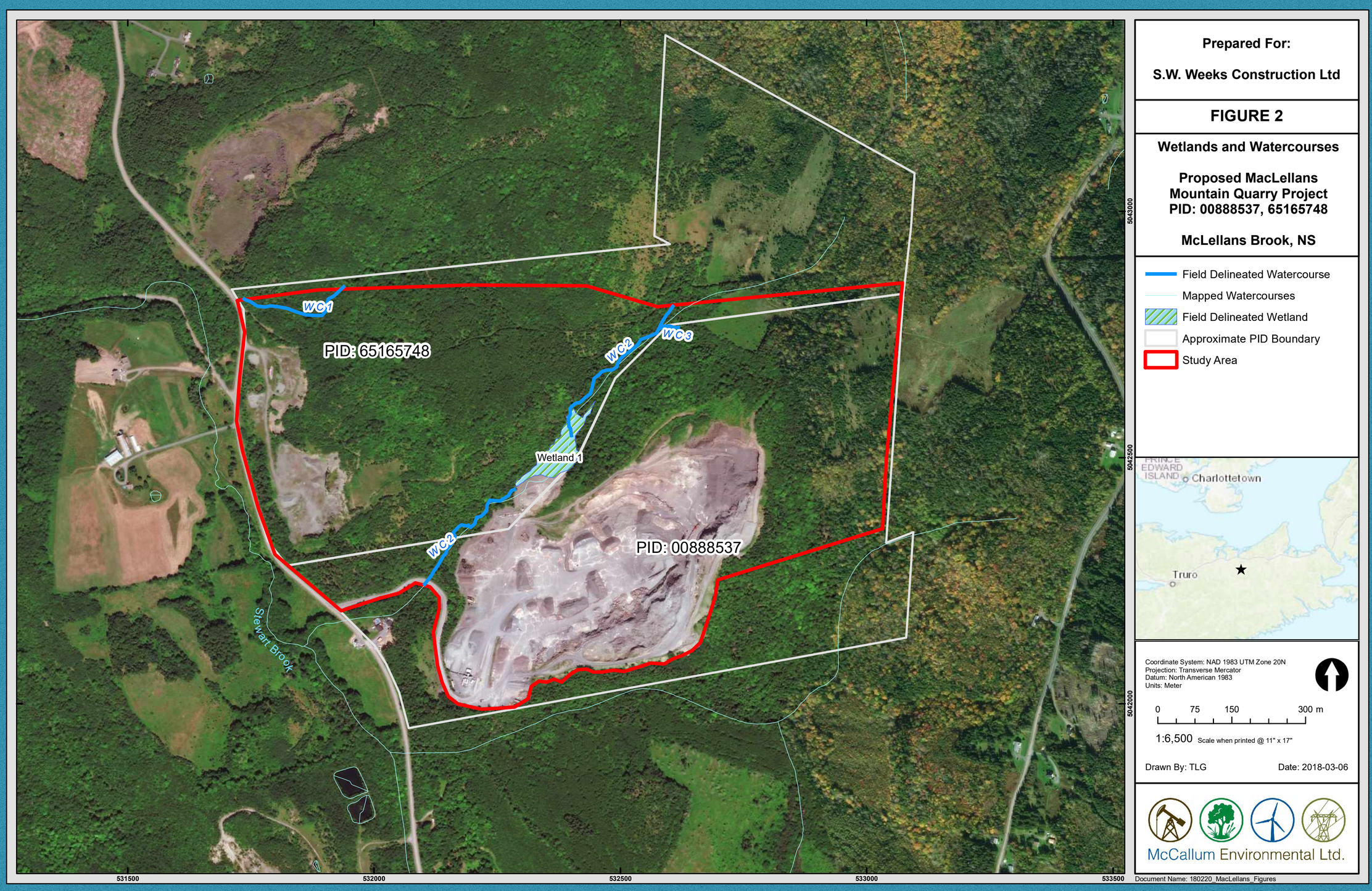
Field evaluations identified one wetland within the Study Area. The wetland is classified as a shrub swamp. The wetland is associated with Watercourse (WC) 2.

Watercourses

Three watercourses were identified within the Study Area:

- Watercourse 1: a seasonal watercourse draining west in the northwestern extent of the Study Area;
- Watercourse 2: draining southwest through central portions of the Study Area draining under MacLellans Mountain Glencoe Road into Stewart Brook; and
- Watercourse 3: a seasonal watercourse draining west into the upper reaches of Watercourse 2, in the northern extent of the Study Area.

Locations of the wetland and the three watercourses within the Study Area are shown below.



VALUED ENVIRONMENTAL COMPONENTS
Evaluation Results

Avian

The following avian SAR were identified during environmental evaluations:

- Bobolink
- Canada Warbler
- Chimney Swift
- Eastern Wood-Pewee
- Evening Grosbeak

Eleven avian species of conservation interest (SOCI) were identified during the environmental evaluations.

Vegetation

One SOCI, Hop Sedge, was identified at two locations within the Study Area.

Wildlife

Evidence of the following wildlife species were identified during environmental evaluations:

American Black Bear
American Mink
Eastern Coyote
Green Frog
Northern American Porcupine
Northern Raccoon
Red Squirrel
Short-tailed Weasel
Snowshoe Hare
Spring Peepers
White-tailed Deer

Aquatic Habitat

- Watercourse 1 provides potential access for fish during high flow conditions.
- Watercourse 2 provides potential fish habitat in its lower reaches, downstream of Wetland 1.
- No fish habitat is present in the upper reaches of Watercourse 2 due to infrequent flowing water.
- Wetland 1 provides potential fish refuge and feeding habitat.
- Watercourse 3 does not provide fish habitat.

Habitat does not exist within the Study Area for the Threatened (SARA) Wood Turtle.

No Wood Turtles or other wildlife SAR or SOCI were identified through the environmental surveys within the Study Area.

Archaeological

No significant archaeological features were identified within the Study Area. The terrain within the Study Area has been deemed to present low potential

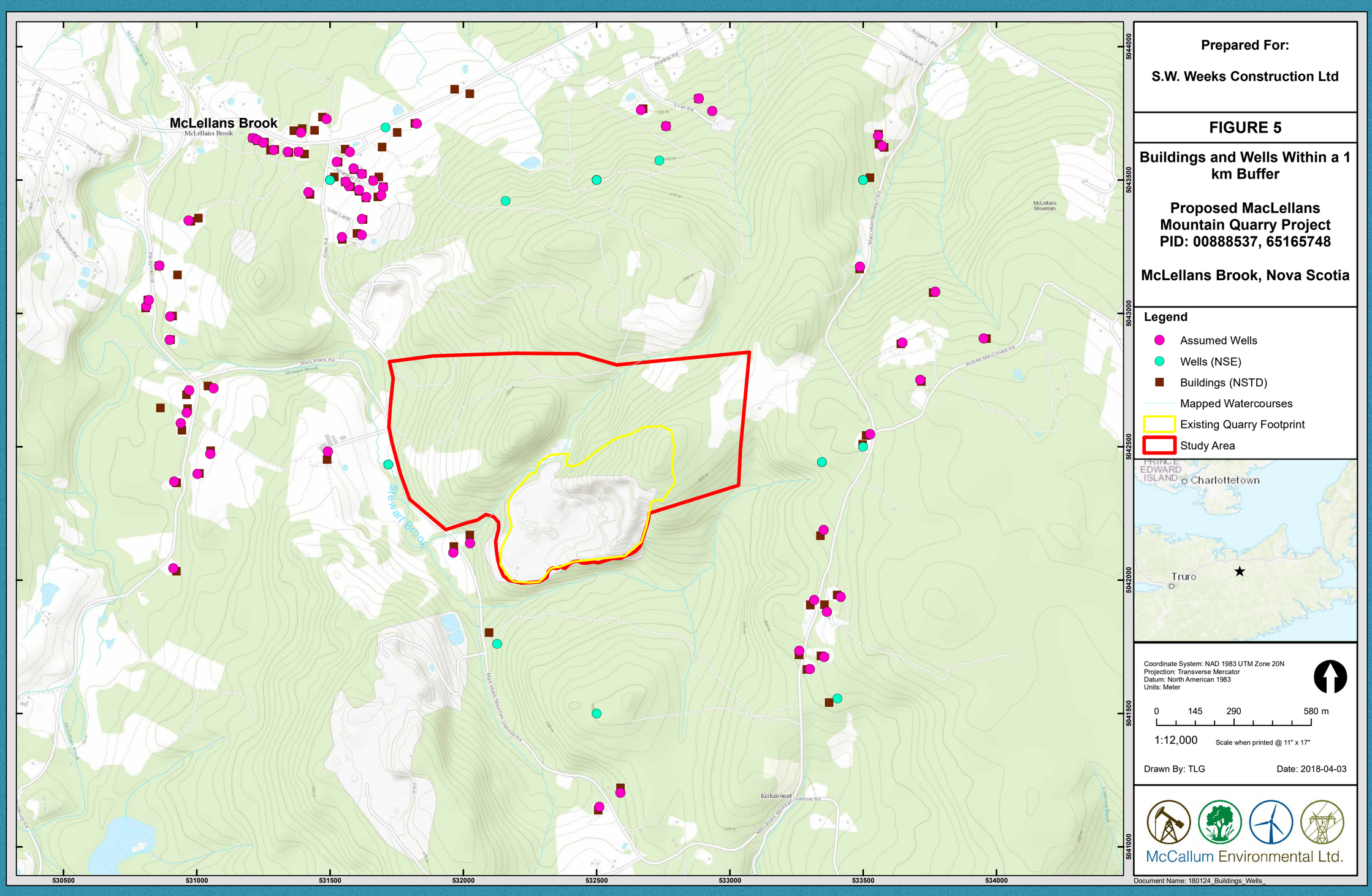
VALUED ENVIRONMENTAL COMPONENTS
Evaluation Results

Residential Receptors

The MacLellans Mountain Quarry is located in a rural setting. 71 residential dwellings exist within a 1km radius of the Study Area, the closest of which is located adjacent to the existing quarry access road on MacLellans Mountain Glencoe Road (see map below).

Groundwater

- The closest assumed well is located 60m south of the Study Area.
- According to the Nova Scotia Environment Well Logs Database, there are 24 potable wells located within a 1km buffer of the Study Area.
- Future quarrying is not expected to interact with groundwater because quarry activities to date have not interacted with groundwater; this is expected to remain consistent throughout the lifetime of the project.



Transportation Routes

Local demand of aggregate will determine the volume of trucks associated with the quarry. At this time truck traffic is not expected to increase from existing levels.

VALUED ENVIRONMENTAL COMPONENTS
Evaluation Results

Surface Water

- Surface water runoff and drainage occurring at the site seeps into the underlying fractured bedrock within the quarry area. This results in no direct flow of water into natural adjacent surface water features (i.e. wetlands and watercourses).
- Current environmental controls in place will be maintained and expanded as necessary to meet Nova Scotia Environment's Industrial Approval requirements.
- Baseline surface water quality samples were collected downstream of the quarry during the environmental evaluations from which future water quality samples can be compared to.

Blasting

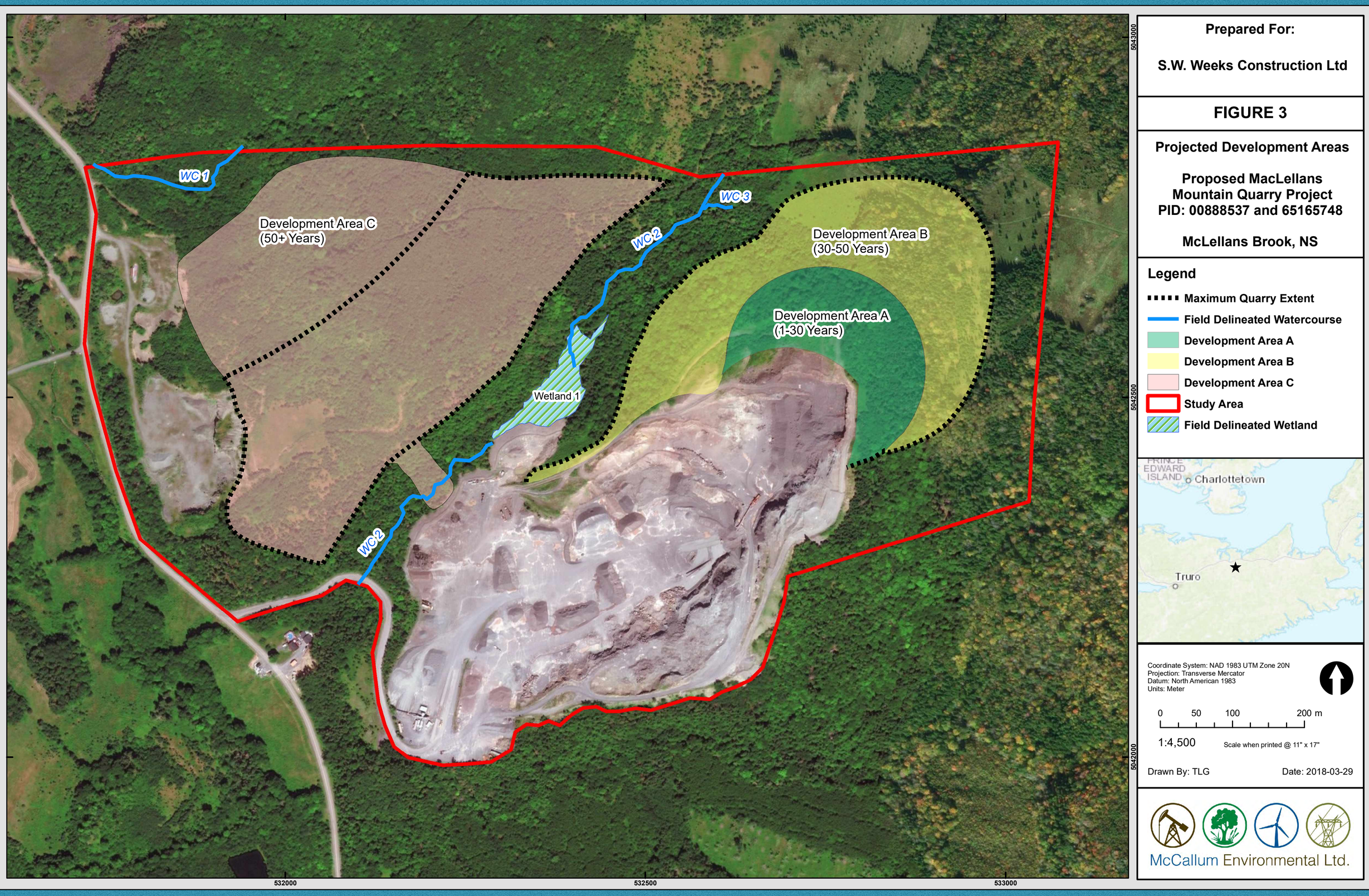
- Blasting will be completed in accordance with the General Blasting Safety Regulations of Nova Scotia and the Nova Scotia Pit and Quarry Guidelines.
- No blasting will occur within 800m of a foundation or base of offsite structure without permission.
- There are no anticipated changes to the current frequency of blasting (i.e. two to four times a year) or the operating hours of the quarry.
- S.W. Weeks Construction Ltd. will monitor blasting through an independent subcontractor throughout the lifetime of the Project.

Air Quality (Dust Control) and Noise Management

- Current quarry production and blasting frequency is anticipated to remain consistent, therefore, air quality conditions and noise levels are not expected to change.
- Dust emissions will be controlled, and noise levels will be monitored in accordance with the Nova Scotia Department of Environment and Labour

DEVELOPMENT PLAN

Extension of the quarrying areas is proposed in three general Development Areas. These areas include a combination of quarrying activities, or other quarrying components (i.e. access roads and stockpile areas). An approximate timeline for the life of the quarry is identified on the map below.



Future quarrying will remain consistent with current methods (i.e. extension of the current quarry face within Development Areas A and B to access desirable aggregates). Quarrying in Development Area C (50 years +) will likely extend the former aggregate quarry located adjacent to MacLellans Mountain Glencoe Road.

THANK YOU
for attending our
Information Session

Please take the time to fill out a comment card, ask questions and tell us what you think of the Project.

We would very much appreciate your comments by May 18, 2018.

Thanks again for coming!

For more information on S.W. Weeks Construction and the MacLellans Mountain Quarry Project, please contact us at sweeks@swweeks.com

S.W. WEEKS CONSTRUCTION LTD.

MacLellans Mountain Quarry Project
Public Information Session
Thorburn Fire Hall– April 10, 2018

Name: Greg Walker	**Please provide your comments**
Address: 2299 MacLellan MTN Glencoe Rd	The only issue would be the view from my house if area C. If there was a green Zone it would be good.
Phone: 902-759 2617	
If you would like to receive further information and updates about the Project, please leave an e-mail address:	

Additional Questions?
Please contact Stephen Weeks, S.W. Weeks Construction Ltd.
Email: sweeks@swweeks.com
(902) 755-3777

MacLellans Mountain Quarry Project
Public Information Session
Thorburn Fire Hall– April 10, 2018

Name: Steve Mason	**Please provide your comments**
Address: 2279 Glen Rd	The only issue would be the view from my home if area C was to be developed. If there was a green zone it would be happy.
Phone: 902 759-4934	
If you would like to receive further information and updates about the Project, please leave an e-mail address:	

Additional Questions?
Please contact Stephen Weeks, S.W. Weeks Construction Ltd.
Email: sweeks@swweeks.com
(902) 755-3777

MacLellans Mountain Quarry Project
Public Information Session Sign-in Sheet **April 10, 2018**

	Print Name	Address	Phone Number	E-mail address
11	ARCH LAWSON	11 SHARMAC	759-4049	
12	Blaine Fraser	1826 MacLennans	301-1545	
13	Kent MacKnight	32 SHARMAC Dr	922-2140	
14	RANDY PACHECO	20 JUSTIN RD.	922-2277	
15	KIRK SCHMIDT	26 CHURCH RD	922-3607	
16	Judy Kendall	40 SHARMAC St	759-9200	
17	Glen MacGregor	89 MacKenzie Rd	752-0592	
18	Debbie Cress	96 Greenwood Rd	902 922-3390	
19	BETH MacLean	116 Hollow Rd	902-922-3380	
20				

Public Information Session Sign-in Sheet
MacLellans Mountain Quarry Project **April 10, 2018**

	Print Name	Address	Phone Number	E-mail address
1	[illegible]	469 Welland Ridge Rd	902-922-2327	
2	Harold & Cecelia Lowe	MacLellans Mtn	922-2450	
3	Bill Nugent	MacLellans Brook	922 3197	
4	Fraser Jenkins	MacLellans Brook	922 2064	
5	STEVE MASON	"	902 759-4934	
6	Gary Maher	" "	9802216487	
7	Mitchell Fraser	" "	902-396-6849	
8	Stephanie Forsythe Bill Forsythe	" "	902-754-9168	billforsythe9@gmail.com.
9	ANNA URQUHART	67 Kyle Rd	902 759 2646	
10	GLEN - URQUHART	"	"	