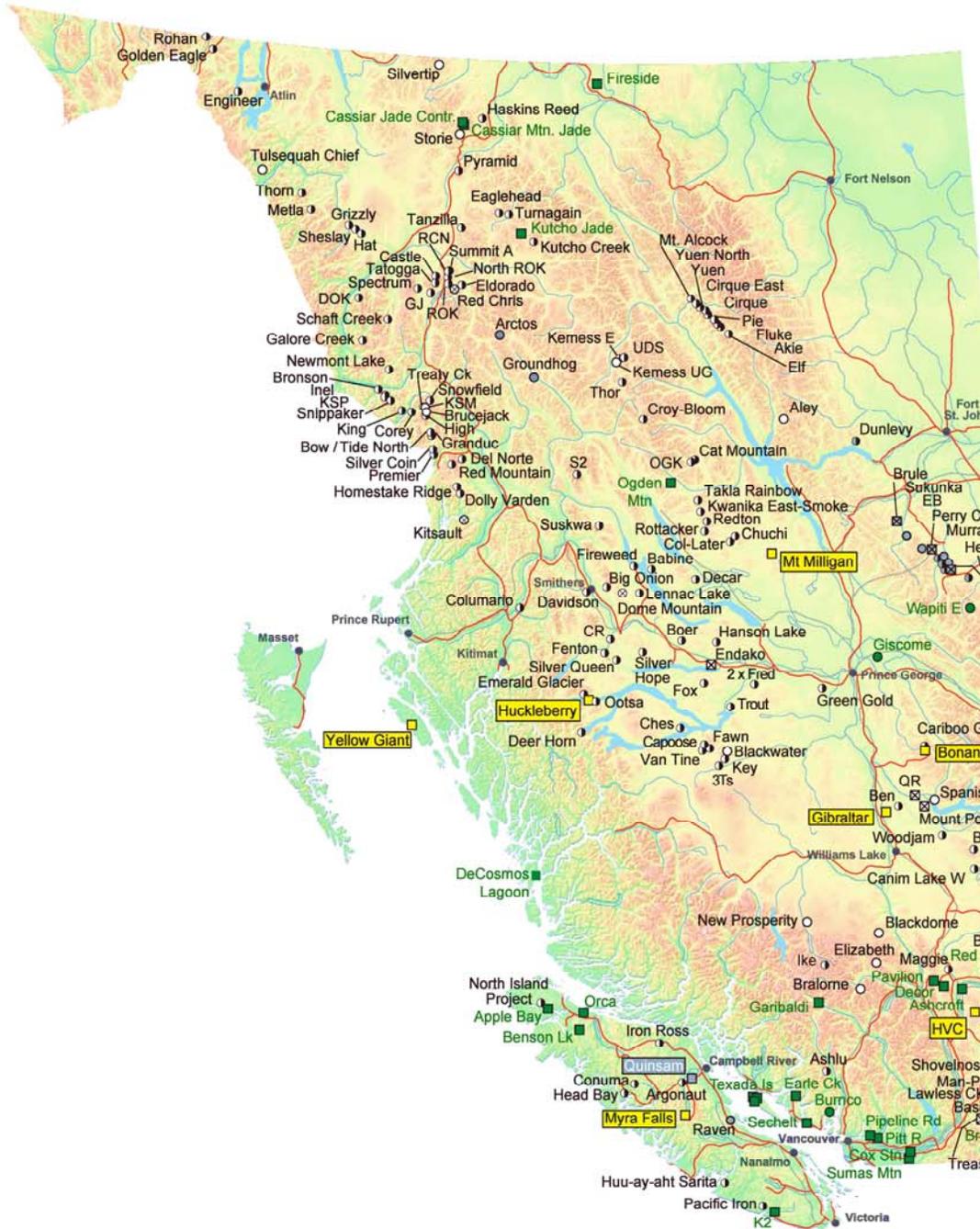


A scenic view of a pond surrounded by dense green forest and tall grasses in the foreground. The pond is calm, reflecting the surrounding trees and sky. The foreground is dominated by tall, thin grasses and reeds, some with brown, dried-out heads. The background is a thick forest of evergreen and deciduous trees under a clear blue sky.

Reclaiming Consent

(for Beneficial Pit Restoration)



Ministry of
Energy and Mines



Operating Mines and Selected Exploration Projects in British Columbia, 2014

British Columbia Ministry of Energy and Mines,
British Columbia Geological Survey Open File 2015 - 1

Gordon Clarke, Jim Britton, Paul Jago, Fiona Katay, Jeff Kyba
and Bruce Northcote

Compilation and digital cartography
by Kirk Hancock and Deanna Miller

Metal	
■	Mine
⊗	Mine Development
○	Proposed Mine
●	Project
⊠	Mine: care and maintenance 2014

Coal	
■	Mine
⊗	Proposed Mine
○	Project
⊠	Mine: care and maintenance 2014

Industrial Mineral	
■	Mine
⊗	Proposed Mine
○	Project
⊠	Mine: care and maintenance 2014

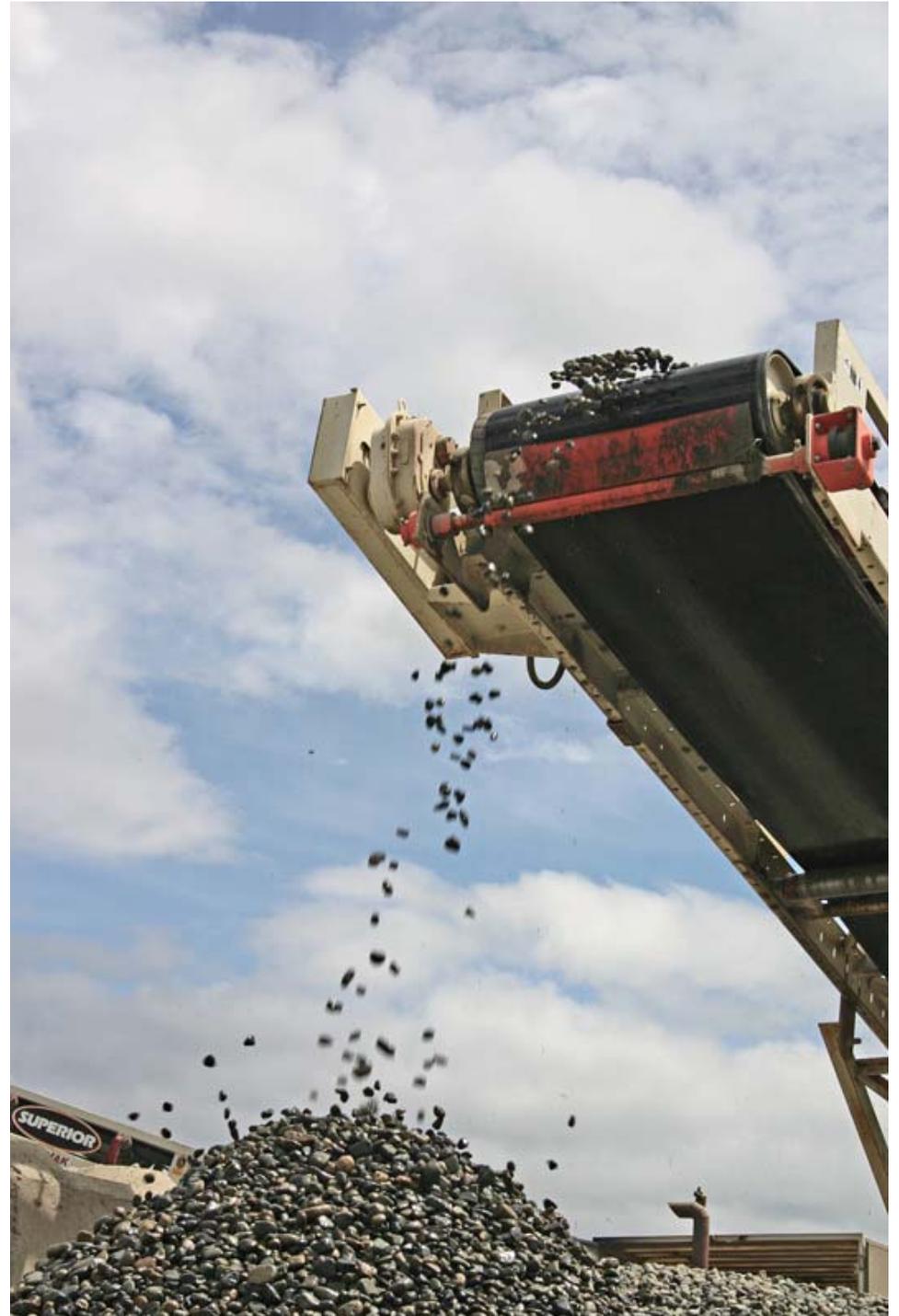


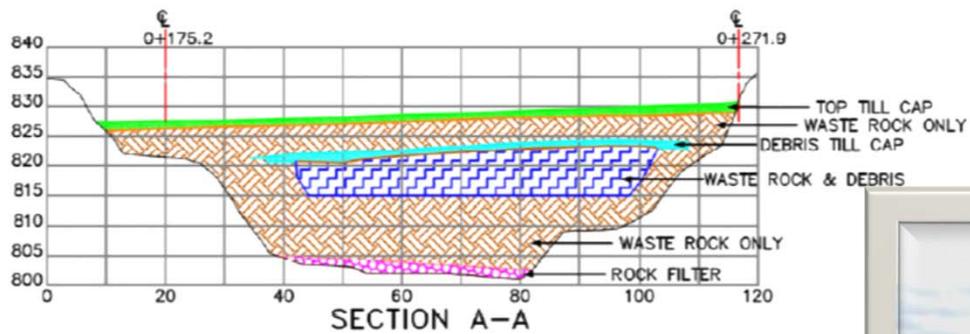
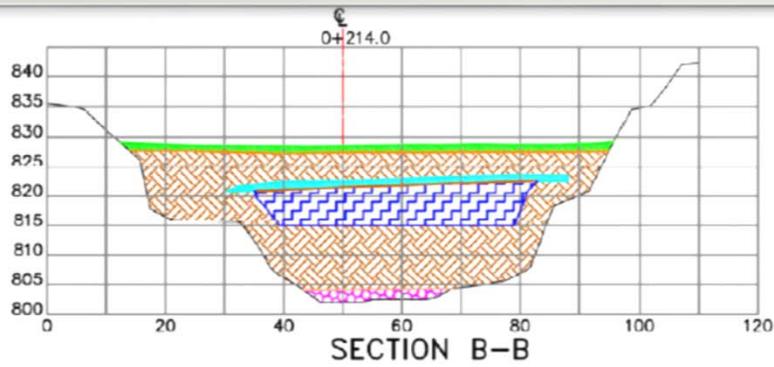
Annual Canadian per capita consumption of aggregate:

10 to 15 tonnes

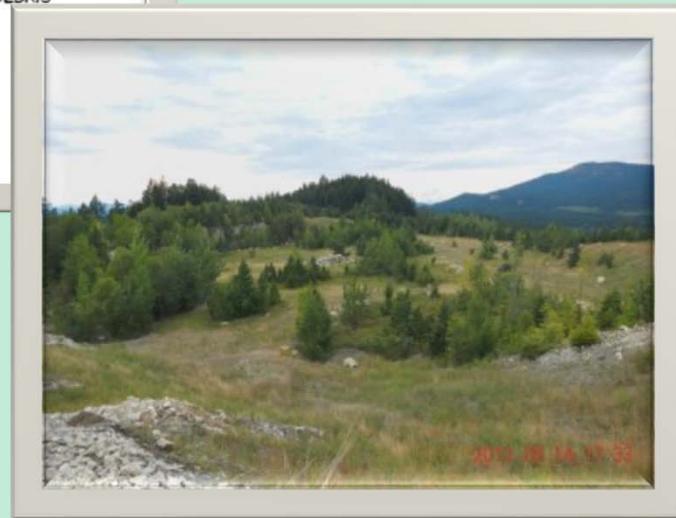
(750,000 people on Vancouver Island) x (10 tonnes/person-year) / (2.6 tonnes/m³) =

2,884,615 m³





TRCR 2012 *British Columbia Jake McDonald Mine Reclamation Award*:
Teck Metals Ltd.



Health, Safety and Reclamation Code for Mines in British Columbia

Ministry of Energy, Mines and Petroleum Resources
Mining and Minerals Division
Victoria, British Columbia

2008



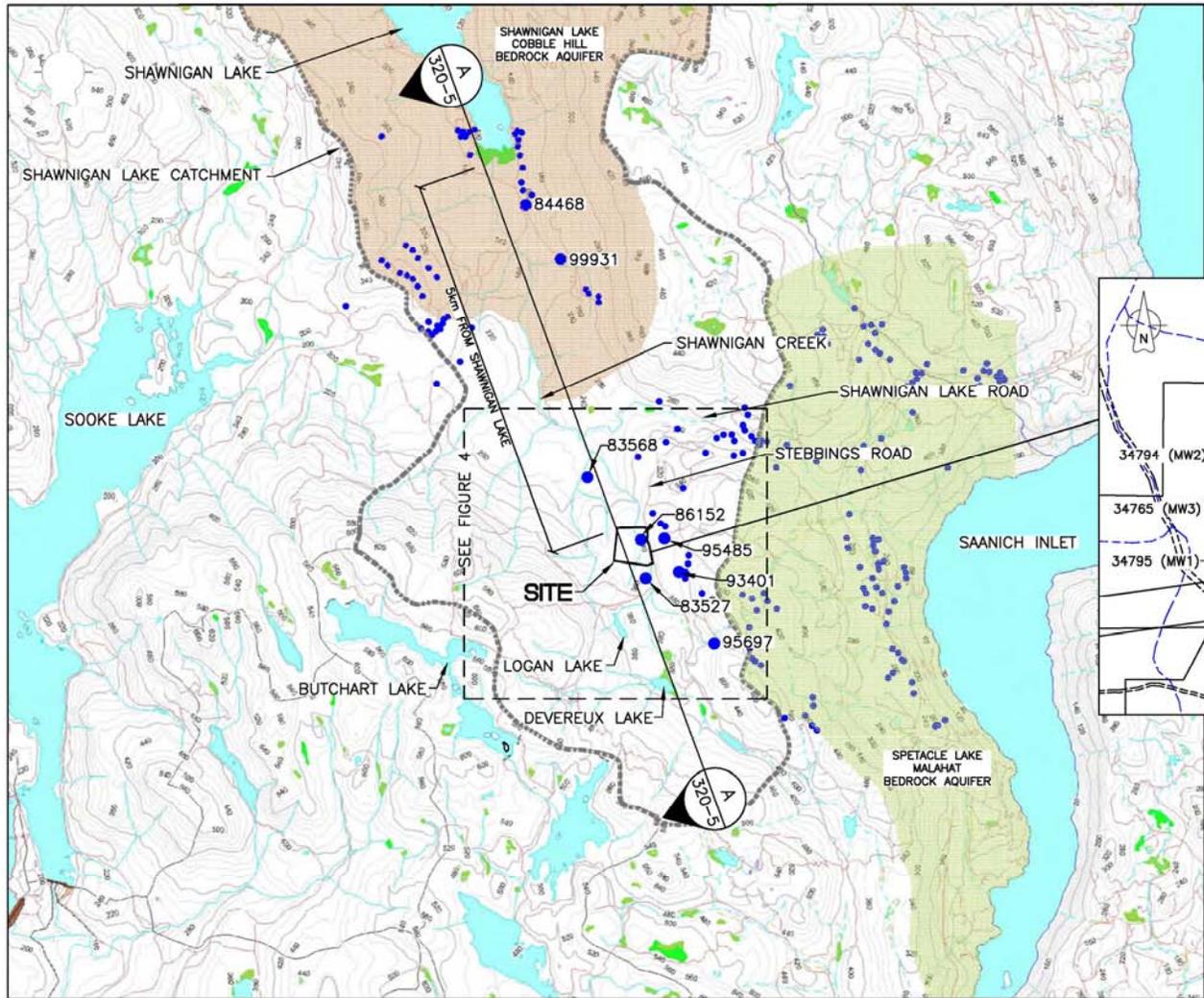
+





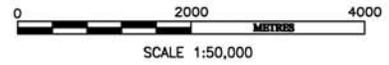
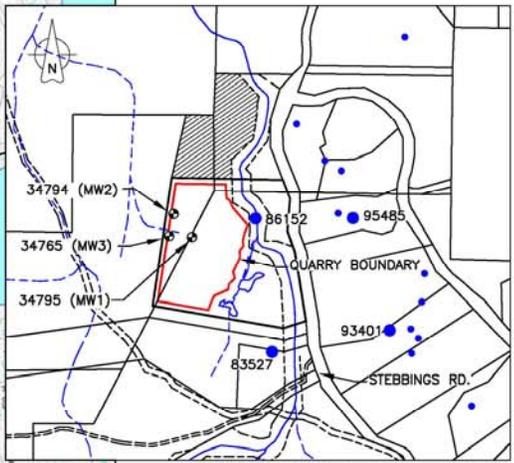


PATH: C:\WORK\PROJECTS\320 - SA LANOKE_A\320_320_TAS.FTB 21 FEB 2012



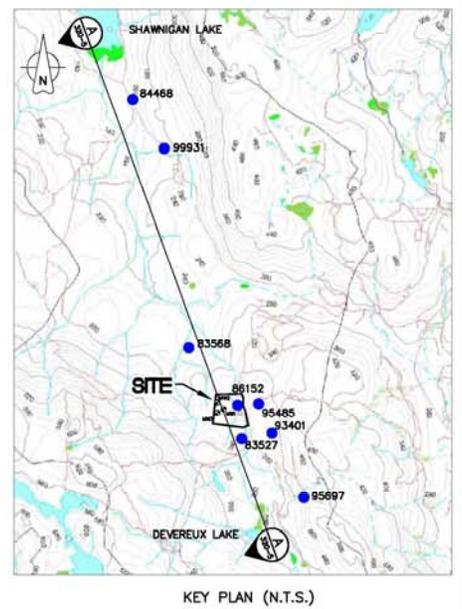
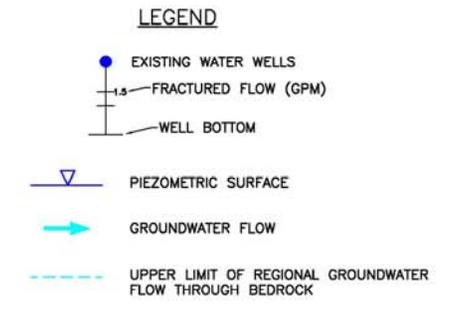
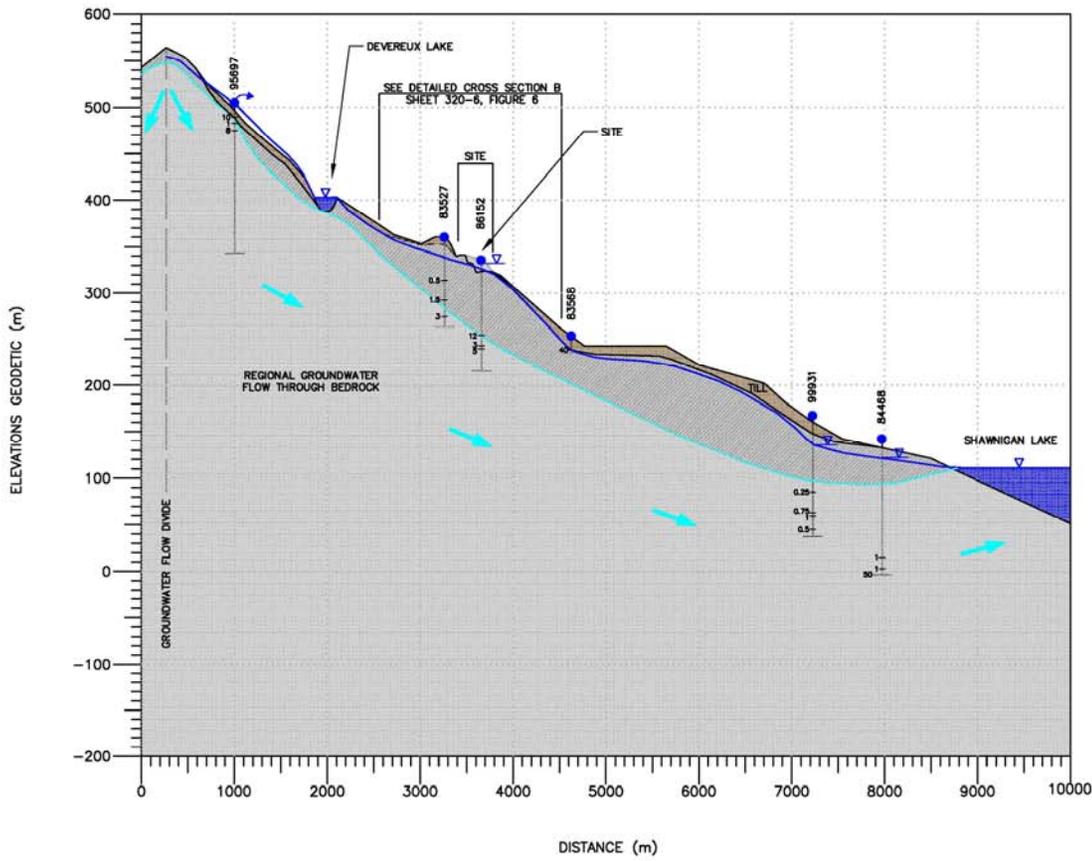
LEGEND

- EXISTING WATER WELLS
86152 = MOE WELL TAG NUMBER
- ⊙ EXISTING MONITORING WELL
- - - - SHAWNIGAN LAKE CATCHMENT
- ROADS
- WATERCOURSES



CLIENT NAME: SOUTH ISLAND AGGREGATES	PROJECT LOCATION: SHAWNIGAN LAKE, BC
TITLE: WATERSHED AND TOPOGRAPHY PLAN	
DWN BY: JJB	DWG NAME: 320-3
CHK'D: MP	DATE: 2012-02-21
PLT:	CADFILE: 320 TAS
FIGURE 3	



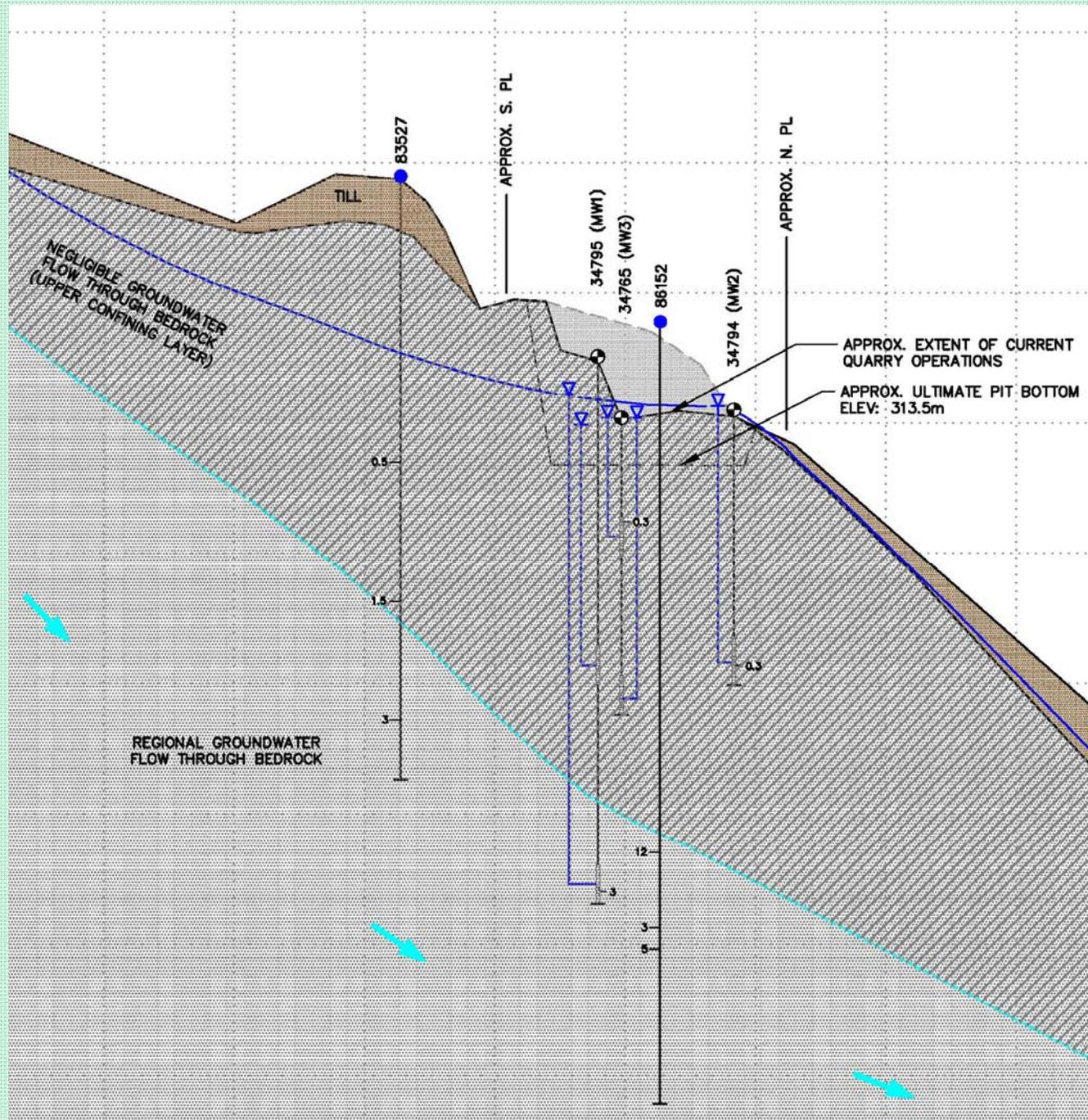


A
302-3

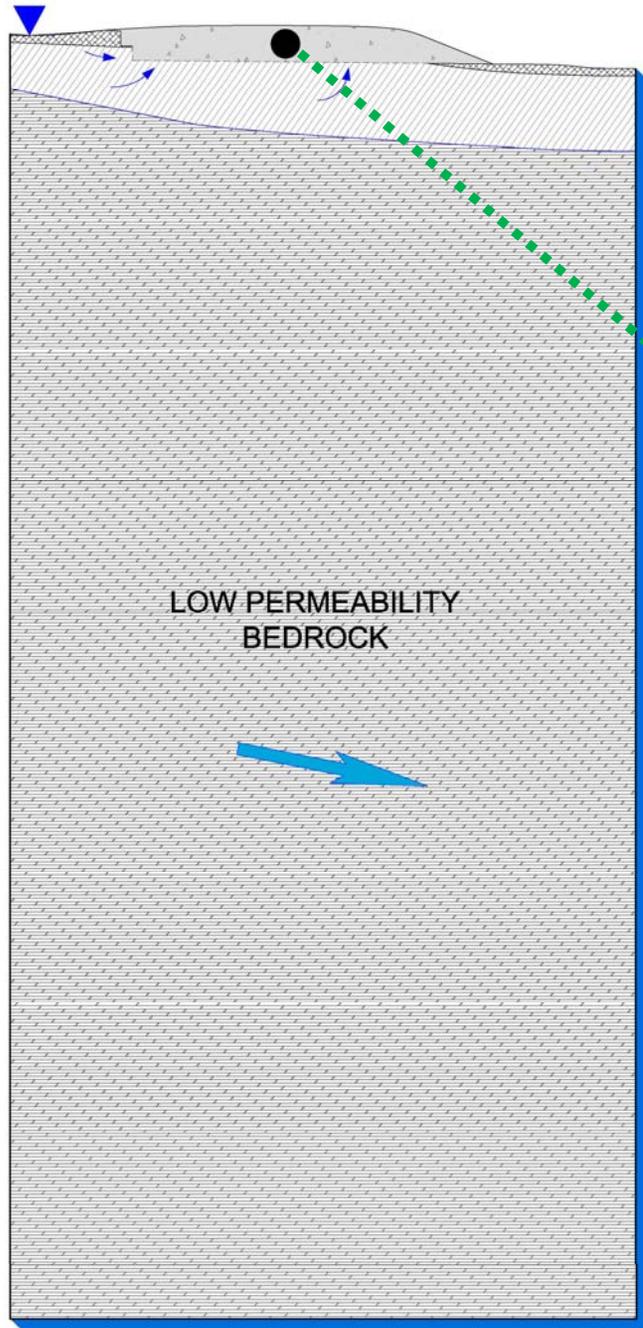
REGIONAL CROSS SECTION A
SCALE H = 1:50,000, V = 1:5,000

CLIENT NAME: SOUTH ISLAND AGGREGATES	PROJECT LOCATION: SHAWNIGAN LAKE, BC
TITLE: REGIONAL CROSS SECTION A	
DWN BY: JJB	DWG NAME: 320-5
CHK'D: MP	DATE: 2012-02-21
PLOT:	CADFILE: 320 TAS
FIGURE 5	

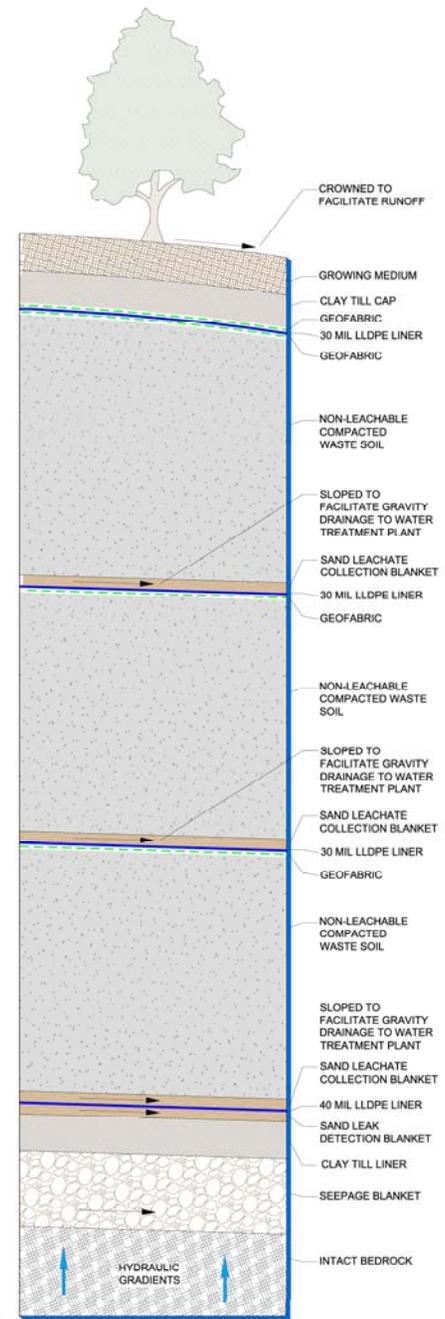
PATH: C:\WORK\PROJECTS\320 - SA LANDFILL - A\CAD\320 TAS FEB 21 2012

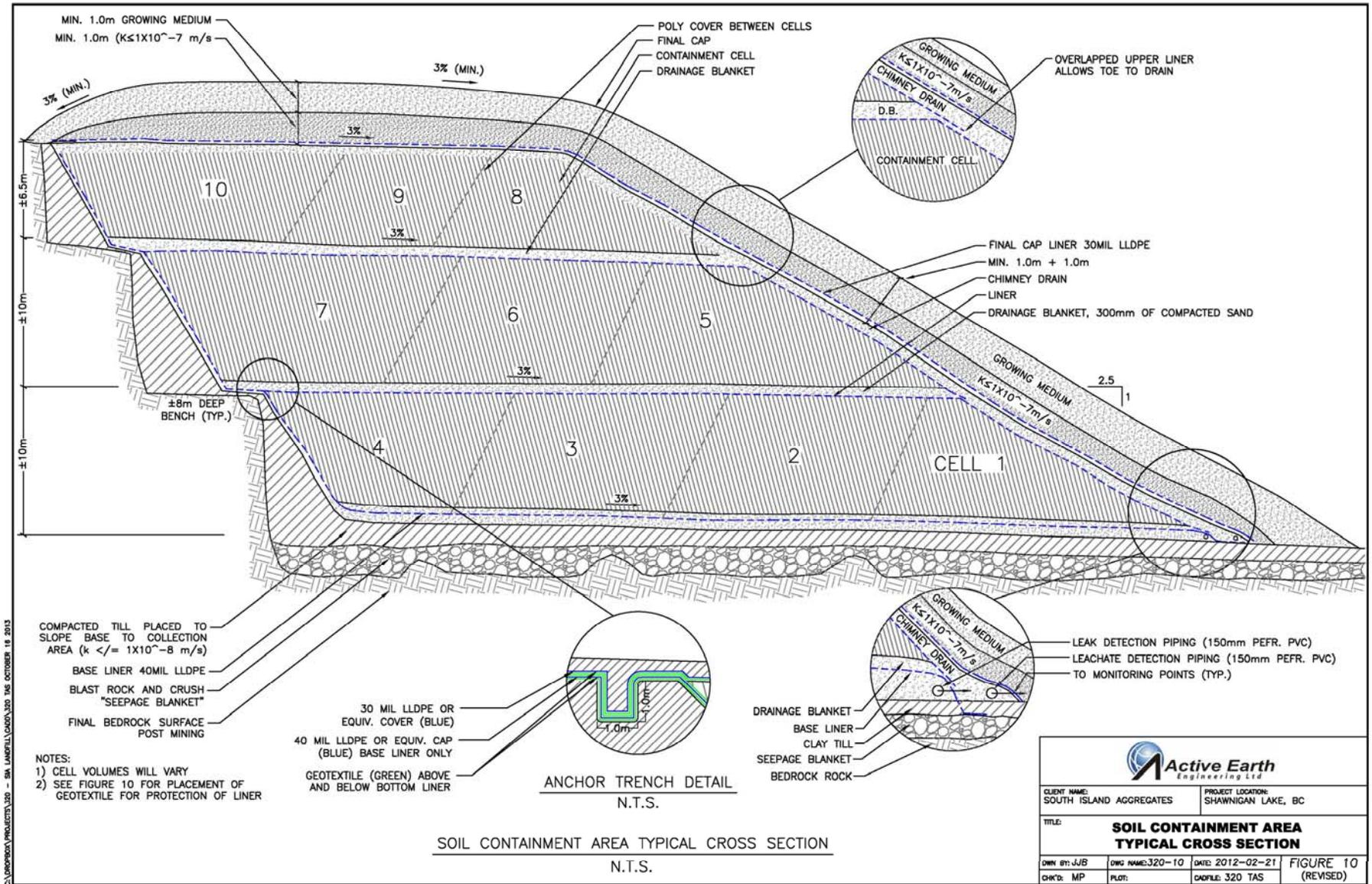






VERTICAL EXAGGERATION 1:1





CLIENT NAME: SOUTH ISLAND AGGREGATES	PROJECT LOCATION: SHAWNIGAN LAKE, BC
TITLE: SOIL CONTAINMENT AREA TYPICAL CROSS SECTION	
OWN BY: JJB	DATE: 2012-02-21
CHK'D: MP	DATE: 2012-02-21
DWG NAME: 320-10	FIGURE 10
PLOT:	(REVISED)
DRAWN BY: JJB	DATE: 2012-02-21
CHK'D: MP	DATE: 2012-02-21
DWG NAME: 320-10	FIGURE 10
PLOT:	(REVISED)
DRAWN BY: JJB	DATE: 2012-02-21
CHK'D: MP	DATE: 2012-02-21
DWG NAME: 320-10	FIGURE 10
PLOT:	(REVISED)

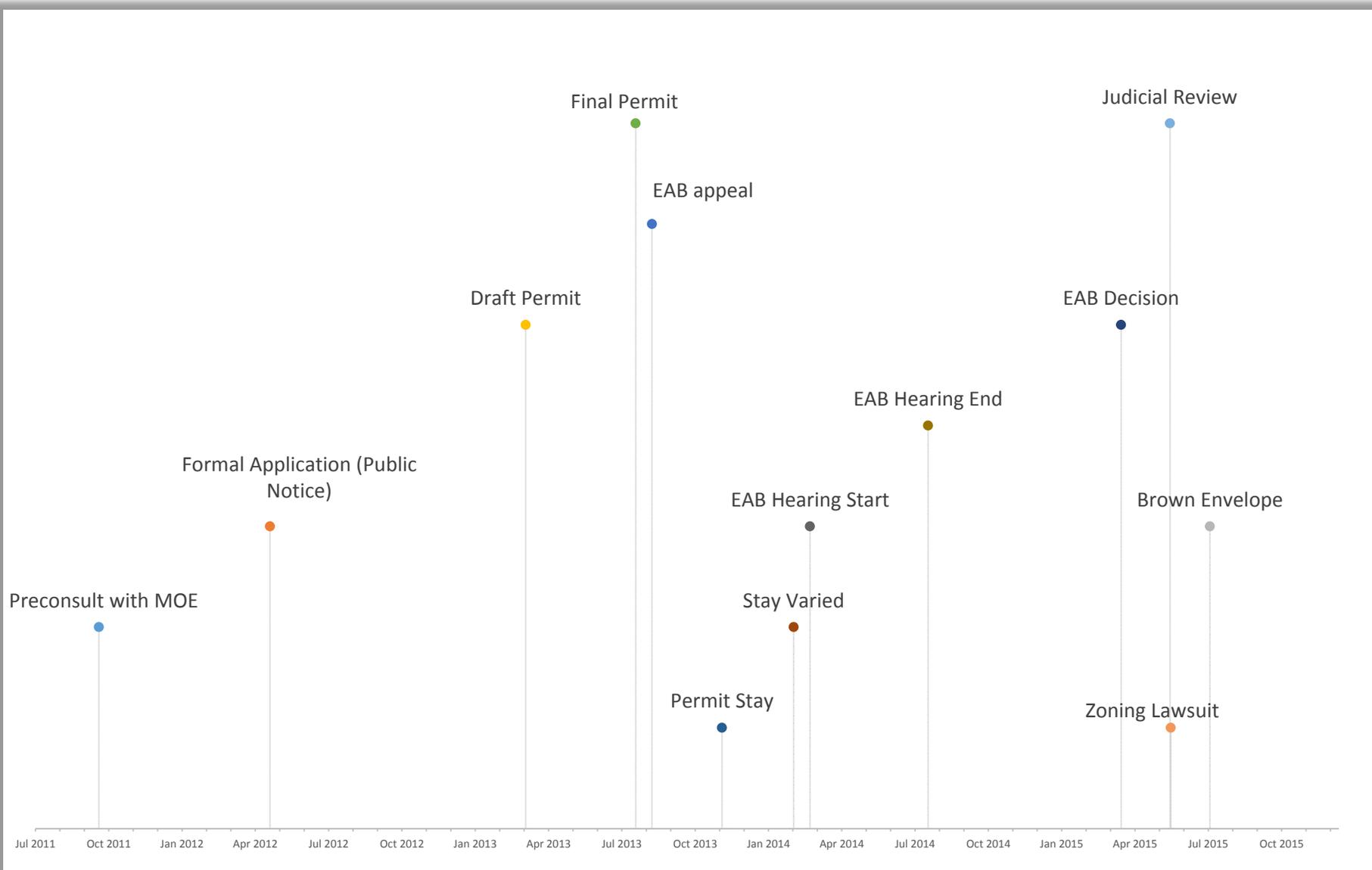
C:\PROGRA~1\PROJECTS\320 - SIA LANDFILL\320_10_10 OCTOBER 18 2013



Jul 31, 2015 1:25:35 PM







[475] Clearly, there is no consensus among the qualified experts as to whether any further investigation is required, or if it is required, how much is needed to adequately characterize the Site. However, in the end, all of the experts agree that no amount of investigation will allow characterization of the Site with absolute certainty.

[718] ... **on a balance of probabilities, the geology and hydrogeology of the Site and the facility design, together with the Permit conditions, will provide the required protections.**

Raffi captures the truth in a few short tweets. #pullthepermit & #saveshawniganwater

Raffi Cavoukian @Raffi_RC 1h
 3. INCREDIBLE. not 1 @bcliberals MLA has the heart to speak up, defend Shawnigan's basic human right to water. why not? muzzled?? #bcpoli

Raffi Cavoukian @Raffi_RC
 2. INCONCEIVABLE. tons of TOXIC soil on watershed. last place to choose. no @christy #bcpoli

Raffi Cavoukian @Raffi_RC
 1. UNACCEPTABLE. @maryforbc permits on Shawnigan Lake, yrs vocally opposed.

FAMILIES OF SHAWNIGAN AND MILL BAY

TOXIC CONTAMINANTS APPROVED* FOR OUR WATERSHED

* by your BC government

PHENOLS LUNGS, LIVER, URO-GENITAL, KIDNEYS, ACUTE TOXICITY					STYRENE MALIGNANT LYMPHOMA, LUNG TUMOURS, CARCINOMA
CHLORIDES WHICH ONES?	BENZENE CANCER, LEUKEMIA, BONE MARROW	TOLUENE VISION LOSS, CONFUSION, DEATH	ETHYL BENZINE LIVER, KIDNEY DAMAGE	XYLENE NERVOUS SYSTEM DAMAGE	CHLORINATED HYDROCARBONS eg. DDT, PCBs, IMMUNE SYSTEM, CANCER
GLYCOLS DAMAGE TO BRAIN, HEART, LUNGS, KIDNEYS, CENTRAL NERVOUS SYSTEM	MTBE ODOROUS AIR AND GROUNDWATER CONTAMINANT	VPH's VOLATILE PETROLEUM HYDROCARBONS, BONE MARROW, PULMONARY VASCULAR THROMBOSIS	DIOXINS CANCERS, REPRODUCTION, LIVER, THYROID, "HIGHLY TOXIC"	PAH's CARCINOGENIC, MUTAGENIC, BIRTH DEFECTS	FURANS SKIN, LIVER, REPRODUCTIVE FUNCTION, NERVOUS AND IMMUNE SYSTEMS, CANCERS

BE AFRAID. BE VERY AFRAID

HELP STOP THIS www.thesra.ca

Shawnigan Res. Assoc Retweeted



Al Brunet @shawnigan1 · Sep 28

And still, Mary Polak persists. No visible care or concern from her or Christy Clark.

@SRA_INFO #bcpoli

*The Toxic Soil Permit
granted for dumping in the
Shawnigan community drinking watershed gives
100% of profits and benefits
to the Government and the applicant
but
100% of the risk and inconvenience to the community.
In what Universe can this be deemed as fair?
What kind of Government, except for a totalitarian one,
imposes this type of plan on its people?*

RETWEET

1



9:05 AM · 28 Sep 2015 · Details



" 100% of the profits and benefits to the Government and the applicant...[w]hat kind of Government, except for a totalitarian one, imposes this type of plan on its people? "

FROM DRAYTON CREEK.

Oct 12, 2011 - SIA submits a "pre-application" to MOE for a Permit to receive contaminated waste on Lot 23. A draft Technical Assessment Report is provided by Active Earth. This starts a six month dialogue between MOE, SIA and Active Earth with no public consultation.

Dr
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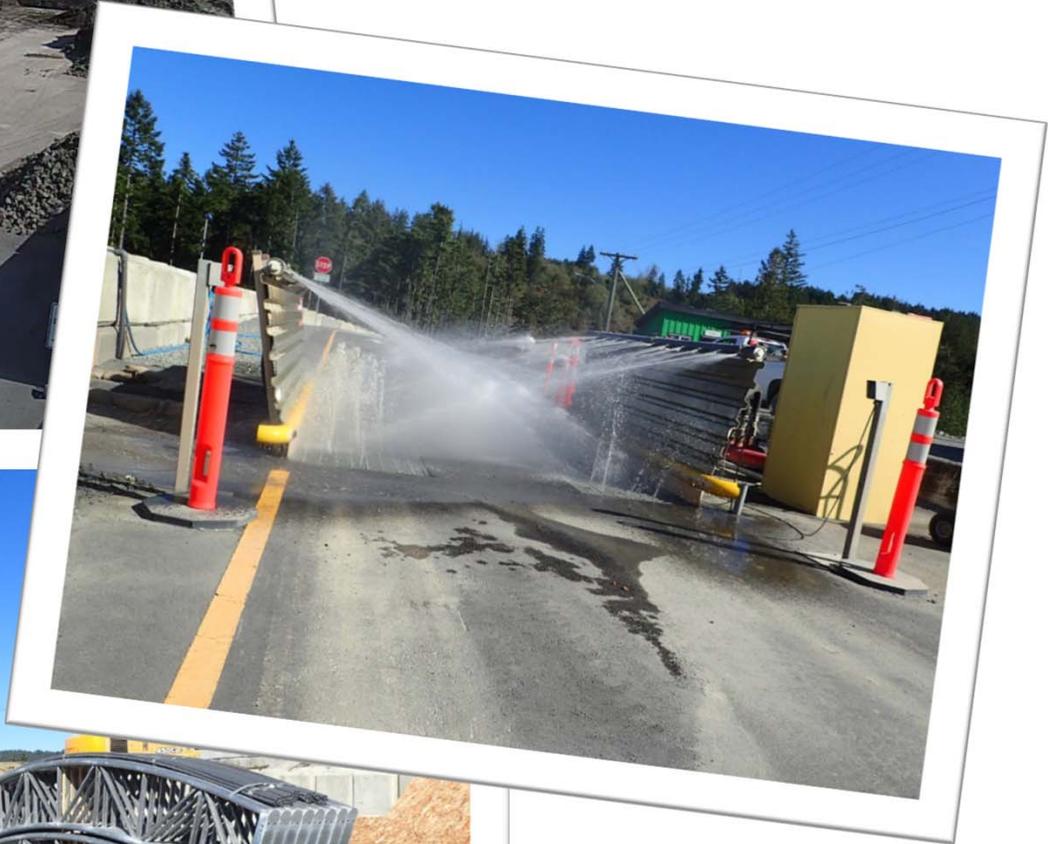
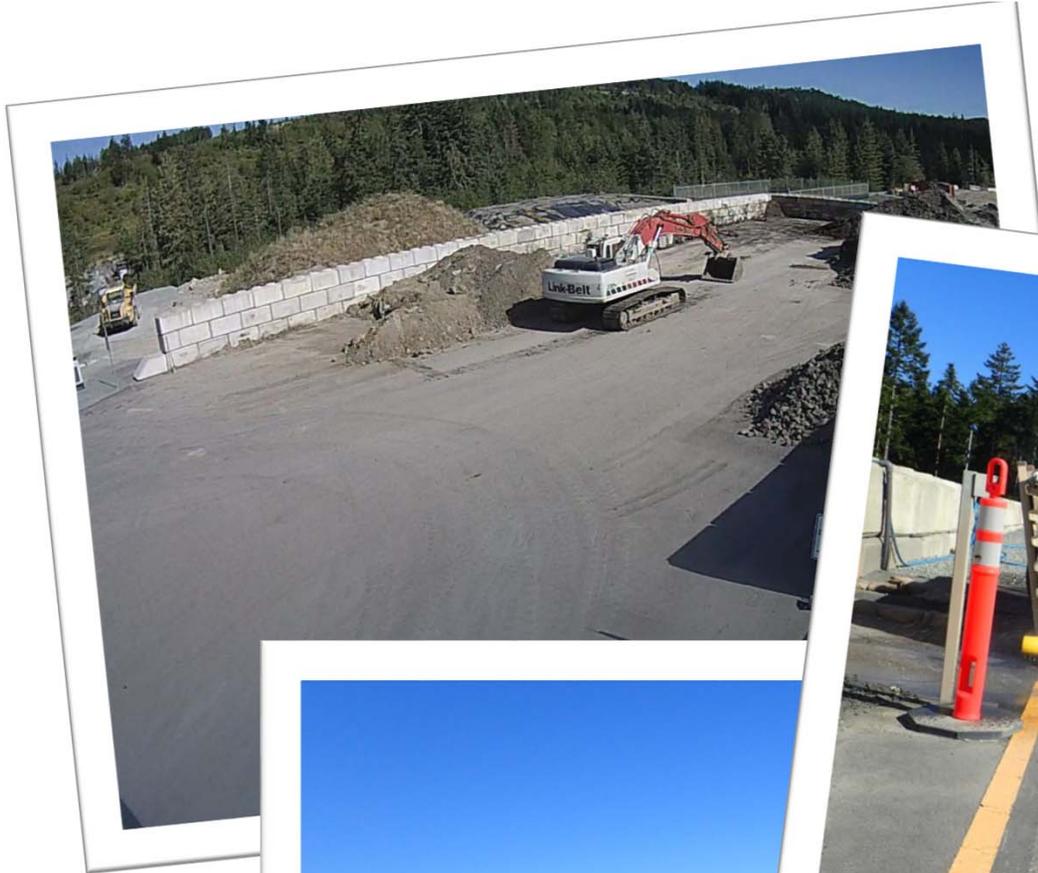




SIRRM

SOUTH ISLAND RESOURCE MANAGEMENT





SIRM

250.743.0811

MON - FRI:
7am - 5pm

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[PERMITS](#)

[COMMUNITY](#)

[NEWS](#)

[SERVICES](#)

[AT A
GLANCE](#)

[ABOUT
US](#)

[CONTACT](#)

[CURRENT
CONDITIONS](#)

[FAQ](#)

What about my question?

If you don't see an answer here, or want to know more, please call us at the site or send an e-mail to: info@sirm.ca. Interested in what the site looks like? We often do small group (i.e., pickup truck) tours.



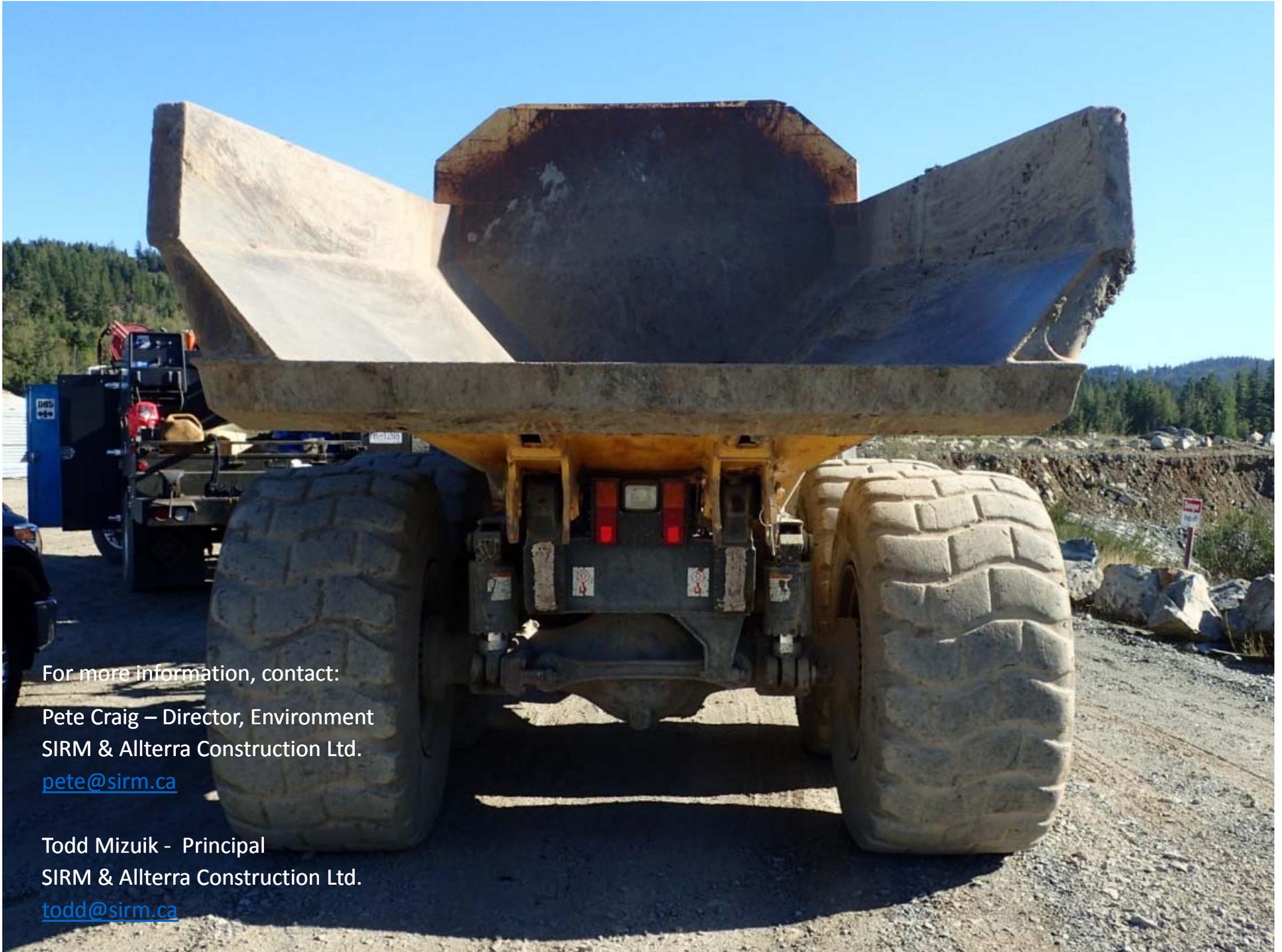
Link to **BC Ministry of Environment Information Pages** about our site at 460 Stebbings Road, including the **BC Ministry of Environment Frequently Asked Questions (FAQ)**.

SIRM: www.sirm.ca

The image shows a screenshot of a web browser displaying the homepage of SIRM (South Island Resource Management). The browser's address bar shows the URL www.sirm.ca. The page features a green header with the SIRM logo, a phone number (250.743.0811), and operating hours (MON - FRI: 7am - 5pm). Below the header is a navigation menu with links for HOME, PERMITS, COMMUNITY, NEWS, SERVICES, AT A GLANCE, ABOUT US, CONTACT, CURRENT CONDITIONS, and FAQ. The main content area displays a large photograph of a yellow CAT wheel loader at a quarry or aggregate site. Below the photo is a green bar with five small circles, indicating a carousel or slider. At the bottom of the page, a text banner reads "WELCOME TO THE SOUTH ISLAND RESOURCE MANAGEMENT WEBSITE AND COMMUNITY PORTAL". The Windows taskbar is visible at the bottom of the screenshot, showing various application icons and the system clock displaying 11:18 AM on 2015-10-01.

BC Ministry of Environment:

http://www.env.gov.bc.ca/epd/regions/vanc_island/env-mgt/sia_aggregates-cobbile_hill_holding.htm



For more information, contact:

Pete Craig – Director, Environment
SIRM & Allterra Construction Ltd.

pete@sirm.ca

Todd Mizuik - Principal
SIRM & Allterra Construction Ltd.

todd@sirm.ca