

## Source Detail

AIMS

Selection Criteria: Brunswick (0167)

### Brunswick

<b>Source ID</b>	0167	<b>File Num</b>	39100-20-Brunswick	<b>UTM Zone</b>	10
<b>Type</b>	Gravel Pit	<b>Service Area</b>	4: Howe Sound	<b>UTM Easting</b>	482800
<b>Licensed</b>	No	<b>Tenure Status</b>	Ministry owned	<b>UTM Northing</b>	5480000
<b>Hectares</b>	7	<b>Dev Status</b>	Active	<b>NTS Map Num</b>	92G/6
<b>Location</b>	1.5km north of Lions Bay LEGAL: DL 1815, Plan 3149				
<b>Comments</b>	PDP 2011. Pit last evaluated 2010. Tenure issues need to be resolved. MEM haul road issues will need to be addressed. May require removal of construction debris prior to full development. Low degradation results attributed (petro) to coatings on the rock				

### Geotech Information (by Source Area)

<b>A</b>	<b>Gravel</b>	62	<b>Degradation</b>	29	<b>Microdev - Coarse</b>	<b>Spec. Gravity - Coarse</b>
	<b>Sand</b>	35	<b>Sand Equiv</b>	55	<b>Microdev - Fine</b>	<b>Spec. Gravity - Fine</b>
	<b>Fines</b>	3	<b>MgSO4 - Coarse</b>	2	<b>Microdev - Avg</b>	<b>Absorption - Coarse</b>
	<b>Oversize</b>	12	<b>MgSO4 - Fine</b>	8	<b>Petrographic Num</b>	<b>Absorption - Fine</b>

### Legal Land Description

	Description
<b>PIN</b>	0333725
<b>File Num</b>	0333725
<b>Reserve Num</b>	TITLE# 631951L
<b>Property File</b>	R-178
<b>PIN</b>	
<b>File Num</b>	
<b>Reserve Num</b>	
<b>Property File</b>	

Tenure needs to be resolved as this is not ministry owned.

### Development Information

<b>Pit Dev Plan Month/Year</b>	May 2011	<b>Dev Comments</b>	Pit to be developed in 6 - 8 metre lifts after the construction debris is removed.
<b>Update Required</b>	Yes		Seismic indicates bedrock to be quite deep.
<b>Last Evaluated Month/Year</b>	Nov 2010		Rip Rap type rock may be sorted from a stockpile of debris taken from Charles Creek Debris Basin.
		<b>Dev History</b>	Pit was successfully used for asphalt in the 1970's
		<b>Constraints</b>	
		<b>FN Consult</b>	

### Material Quantities

Area	Proven	Potential	Approved Usage
A	64,000	392,000	25WGB, 50WGB, MAMA, SGSB

### Current Aggregate Inventory

Material	Volume
25RIP 25 kg riprap	-324
PIT pit-run granular aggregate	-107,900

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**Brunswick**

**Exploration History**

Month/Year	Completed by	Details
May 1985	MoT	11 rest pits were completed to an average depth of 5.0 metres
May 1985	MoT	2 Mud Rotary test holes were drilled to 34 metres each. SPT's were taken
May 1985	MoT	Siesmic to determine depth to bedrock
Nov 2010	MoTI	3 Test holes were drilled to 33-40 metres with a Sonic Drill.

**Site Surveys**

Month/Year	Type
Mar 2009	DEM (ortho)
Sep 1997	DEM (survey)
May 1985	Other

**Summary Information**

<b>Comments</b>	<p>PDP 2011. Pit last evaluated 2010. Tenure issues need to be resolved. MEM haul road issues will need to be addressed.</p> <p>May require removal of construction debris prior to full development.</p> <p>Low degradation results attributed (petro) to coatings on the rock</p>
<b>Site Reclamation</b>	<p>Topsoil will likely have to be imported for final pit reclamation.</p> <p>All interim sloping is to be left at 11/2H to 1V.</p> <p>Final sloping shall be 2H to 1V</p> <p>All reclamation works shall be in accordance with Ministry of Mines regulations and MoT Reclamation and Environmental Protection Handbook for Sand, Gravel and Quarry Operations in British Columbia.</p>
<b>Geology/ Geomorphology</b>	<p>Glacio-Fluvial and Alluvial debris from Magnesia Creek</p>