

## Source Detail

AIMS

Selection Criteria: Argonaut (0134)

### Argonaut

<b>Source ID</b>	0134	<b>File Num</b>	39100-20-03-Argonaut	<b>UTM Zone</b>	10
<b>Type</b>	Gravel Pit	<b>Service Area</b>	3: North Island	<b>UTM Easting</b>	331500
<b>Licensed</b>	No	<b>Tenure Status</b>	Section 16	<b>UTM Northing</b>	5541300
<b>Hectares</b>	22.9	<b>Dev Status</b>	Active	<b>NTS Map Num</b>	92 K 3
<b>Location</b>	Approximately 10 kms west of Campbell River, east of Highway 28 and south of Argonaut Road.				
<b>Comments</b>	PDP 2004. Pit last evaluated 2000. This pit was used extensively by VIHP. Substantial volumes of high quality material remaining. Good paving pit. Requires Micro Duval and Absorption testing.				

### Geotech Information (by Source Area)

Area	Gravel	Sand	Fines	Oversize	Degradation	Sand Equiv	MgSO4 - Coarse	MgSO4 - Fine	Microdev - Coarse	Microdev - Fine	Microdev - Avg	Petrographic Num	Spec. Gravity - Coarse	Spec. Gravity - Fine	Absorption - Coarse	Absorption - Fine
<b>A</b>	54	45	2	8	69	69	4	2					2.900	2.670		
<b>B</b>	23	72	5	6	82	93	0	0								
<b>C</b>	49	49	2	9	71	88	0	0								

### Legal Land Description

	Description
<b>PIN</b>	Unsurveyed portion of SE 1/4 & Blk E, DL 85, Sayward L.D.
<b>File Num</b>	1406699/0343143
<b>Reserve Num</b>	84186/911057
<b>Property File</b>	R3902

### Development Information

<b>Pit Dev Plan Month/Year</b>	Jan 2011	<b>Dev Comments</b>	Development Area "A" will require selective mining and the use of primary crusher.
<b>Update Required</b>	No		Development Area "B" is to be mined benches (max 8 m high) and sand rejection on the #30 sieve may be required to produce SGSB.
<b>Last Evaluated Month/Year</b>	Jul 2000		Development Area "C" to be mined upon the depletion of Area "A".
		<b>Dev History</b>	
		<b>Constraints</b>	Should develop resource share agreements with adjacent property owners.
		<b>FN Consult</b>	

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**Argonaut****Material Quantities**

Area	Proven	Potential	Approved Usage
A	386,000	925,000	25WGB, MAMA
B	108,000	500,000	BEF, PIT, SGSB, WAB
C	150,000	210,000	

**Current Aggregate Inventory**

Material	Volume
25WGB 19/25mm well graded base	1,813

**Exploration History**

Month/Year	Completed by	Details
Jul 2000	MoTI	36 Test pits dug with excavator - average depth of 5.5 m
Aug 1994	Levelton	32 Test pits dug with excavator - average depth of 6.0 m
Jun 1989	MoTI	9 Test holes by Becker Drill - average depth of 16 m

**Site Surveys**

Month/Year	Type
Jul 1999	DEM (survey)

**Summary Information**

<b>Comments</b>	PDP 2004. Pit last evaluated 2000. This pit was used extensively by VIHP. Substantial volumes of high quality material remaining. Good paving pit. Requires Micro Duval and Absorption testing.
<b>Site Reclamation</b>	Topsoil and overburden should be stockpiled separately and seeded to prevent erosion, these stockpiles are to be used for final pit reclamation. All interim sloping is to be left at 11/2H to 1V. Final sloping shall be 2H to 1V 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.
<b>Geology/ Geomorphology</b>	The soils in the Argonaut Pit consist of a glaciofluvial deposit related to the Vashon Drift. The pit is located at the northern end of the glaciofluvial delta which extends northerly to the east end of John Hart Lake.