

Source Detail

AIMS

Selection Criteria: Whipsaw #2 (2883)

Whipsaw #2

Source ID	2883	File Num	39100-20-Whipsaw2	UTM Zone	10
Type	Gravel Pit	Service Area	8: Okanagan Shuswap (Penticton)	UTM Easting	673700
Licensed	No	Tenure Status	Section 16	UTM Northing	5470300
Hectares	29.2	Dev Status	Inactive	NTS Map Num	92H037
Location	The area is located approximately 11.5 km southwest of Princeton, 2 km on the Whipsaw FSR southwest of Hwy 3.				
Comments	Project 23297 H3 Sunday Ck to Sunday Summit (completed Nov. 2016) opened up Whipsaw and produced: 23,000 tonnes asphalt 27,000 m3 SGSB 25,000 m3 25 mm WGB 660 m3 HFSA				

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
A	63	35	2	8		60	3	8	12	19			2.705	2.640	1.3	2.4
B	61	38	2	6		81	3	7	10	14			2.680	2.630	1.4	2.3

Legal Land Description

	Description
PIN	All that unsurveyed Crown land adjacent to District Lot 1015, Yale Division Yale District, containing 29.20 hectares, more or less.
File Num	3412849
Reserve Num	R133027
Property File	Expires: as long as required by MoTI, effective December 20, 2013

Development Information

Pit Dev Plan Month/Year	Feb 2014	Dev Comments	Area A Fracture count: 68% (Method A), 60% (Method B) Area B Fracture count: 73% (Method A), 65% (Method B) Area B consists of interbedded sand (SM1, SM3) and gravel layers. Sand layers up to 2m thick in some locations.
Update Required	No	Dev History	2 large depressions left behind by Texas Gulf Suphur Co. in the late 1960s from mineral extraction (copper, zinc, iron and molybdenum). The conical depressions are 100 m and 75 m in diameter and 25 m and 20 m in depth, respectively.
Last Evaluated Month/Year	Feb 2014	Constraints	The site is within the ALR and there are existing resource commitments including a trapline license, guide outfitter area, range license (doesn't appear to overlap) and Ungulate Winter Range (UWR #U-3-003 No. 930 Merritt TSA for Mule Deer).
		FN Consult	AIA completed, no further work required.

Material Quantities

Area	Proven	Potential	Approved Usage
A	545,000	2,500,000	25WGB, 50WGB, 75WGB, BEF, CAMA, MAMA, SGSB
B	377,000	2,000,000	25WGB, 50WGB, BEF, CAMA, MAMA, PIT, SGSB

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Current Aggregate Inventory

Exploration History

Month/Year	Completed by	Details
Sep 2013	MoTI	31 test pits with a naverage depth of 5.5 m
May 2013	Golder Associates	Archaeological Impact Assesment
Aug 2014	Golder Associates	Reclamation/Development Agrologist Report

Site Surveys

Month/Year	Type
Jul 2004	DEM (ortho)

Summary Information

Comments Project 23297 H3 Sunday Ck to Sunday Summit (completed Nov. 2016) opened up Whipsaw and produced:
 23,000 tonnes asphalt
 27,000 m3 SGSB
 25,000 m3 25 mm WGB
 660 m3 HFSA

Site Reclamation 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 1 1/2H 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.
 Under the unimproved conditions, Whipsaw consists of 70% Class 5 mineral soil with low moisture holding capacity (M) and stoniness (P) limitations, and 30% Class 6 organic soil with unfavorable topography farming machinery set up (T) and stoniness (P). The improved the rating indicates that the mineral soil can improve to Class 4 by raising the moisture holding capacity. The Class 6 organic soils cannot be improved and are capable of only providing natural grazing for domestic livestock.

**Geology/
 Geomorphology**