BRITISH COLUMBIA

Ministry of Energy, Mines and Petroleum Resources

Mineral & Coal Notice of Work and Reclamation Program

Mine #: ___ ___ ___ ___ ___ ___ ___

The information on this form and any supporting documents are subject to the *Freedom of Information and Protection of Privacy Act*. The information requested on this form is collected and used for the purpose of administering the *Mines Act* of British Columbia and the *Health, Safety and Reclamation Code for Mines in British Columbia* The *Mines Act* authorises the collection of the requested information on this form. The completed form is routinely available to the public. Questions about how the *Freedom of Information and Protection of Privacy Act* applies to the information collected on this form can be directed to the Office of the Information and Privacy Commissioner—phone: (250) 387-5629; fax: (250) 387-1696; mailing address: PO Box 9038 Stn. Prov. Govt. Victoria, British Columbia, V8W 9A4

X **Owner** (title holder)

☐ **Agent/Operator** (person or company authorized to make application on behalf of the title holder - attach letter of authorization where required)

☑ **Manager** (person appointed in writing by the owner or agent as manager pursuant to Section 21 of the *Mines Act*) (Attach letter of appointment)

Name Peter Aylen Company Absorbent Products Limited

Address 724 East Sarcee Street,

City Kamloops Province B.C. Postal Code V2H 1E7

Bus. Phone (250) 372-1600 Fax (250) 372-3777

Name of Field Supervisor Dave Bowers

Site/Contact Phone/Fax (if available) _____ _____

Name of Property SIC Project Name

_____

Describe Site Access 40 km west of Kamloops on the Trans Canada Highway to the the junction with the Deadman-Vidette Road and then 14 km along road the its junction with Criss Creek Forestry Access Road, 3.2 km up road and then 3.2 km north by foot

Mineral/Coal Titles where exploration activities will take place

Claim or Lease Name(s) _____ Tenure Number(s) #534755 and 706407

_____ _____

_____ _____

Crown Granted Mineral Claims _____ Lot Number(s) _____

_____ _____

B.C. Geographic System Map Sheet Number(s) (eg TRIM 092L 006) 092I.096

Northing 5642521 Easting 643130 UTM Zone 10N

or if UTM not available

NTS Map Sheet #(s)_____ Latitude _____°°/_____'/_____" Longitude _____°/_____'/_____"

Are proposed activities on private land? No ; if yes, attach written copy of notice served to land owner.

Proposed start date (y/m/d): 2010 / 06 / 01 Proposed completion date (y/m/d): 2112 / 12 / 01

Every Permittee shall give written or verbal notice to the district inspector prior to commencement of approved exploration activities in each calendar year that the proposed program of approved activities is underway.

Water Supply: Describe source: No water will be used

Estimated quantity of water to be used (cubic feet/second or cubic metre/second): Not applicable

Cultural Heritage Resources: - Are you are aware of any cultural heritage resource(s) or protected heritage property as defined under the *Mineral Tenure Act*, within the bounds of the tenure(s) where exploration work is proposed?

☐ Yes (Note locations on maps under Schedule A) X No

Should cultural heritage resources or protected heritage property be encountered while undertaking exploration activities you are required to report them to: The Archaeological Planning and Assessment Unit, Ministry of Sustainable Resource Management, PO Box 9816, Stn Prov Govt, Victoria, BC V8W 9M5

Occupational First Aid: - Minimum first aid requirements on an exploration site are established in the Workers' Compensation Board of B.C. Occupational First Aid regulations. All members of an exploration drill crew must have a valid Workers' Compensation Board or "Standard" first aid equivalent unless the drill site is accessible in all weather conditions within five minutes of the main camp or other facility where there is a qualified first aid attendant.

Describe the means of communication on the exploration site:
___Communication by means of cell phone

Location of nearest hospital:__Kamloops_____
Travel time to hospital by ground _2 hours_ by air __15 minutes Number of people on site (include contractors) ___3_____
Types of transportation available:_Helicopter in anemergency_____
First Aid Equipment on Site:_____
First Aid Certificate held by attendant (if required): _____

Description of Exploration Program (give a brief overview of location, nature and extent of proposed activities):
Test pitting by means of a post hole auger yielding 8" diameter holes up to 1.25 m deep to a maximum number of 45 holes with 30 of the holes along 4 lines along ridge crests and the remainder of the holes on a bench area that is a proposed site for a bulk sample. The holes will be back-filled by shovel and the area reseeded with grass. The samples will be removed by helicopter obviating the need for vehicular access

Mineral Exploration Activities to be Undertaken (Indicate schedules submitted with this application)

X Schedule A - Maps & Sections (Compulsory)
X Schedule B - Reclamation Security (Compulsory)
☐ **Schedule C** - Exploration Grids, Camp Location, Helicopter Pads
X Schedule D - Mechanical Trenching/Test Pits
☐ **Schedule E** - Blasting
☐ **Schedule F** - Surface Drilling/Settling Ponds/Sump
☐ **Schedule G** - Exploration Access Construction/Modification
☐ **Schedule H** - Application for Timber Cutting Authorization
☐ **Schedule I** - Bulk Sample
☐ **Schedule J** - Underground Exploration
☐ **Schedule K** - Off Tenure Access Special Use Permit and Licence to Cut

I, ____Peter Aylen_____, hereby make application to undertake the exploration activities described in this notice, and in accordance with the *Mines Act* and the Health, Safety and Reclamation Code for Mines in British Columbia.

Peter Aylen — Jan 18-2011

Applicant Signature **Date**

Mine #_ _ _ _ _ _ _ _

Schedule A
Mineral & Coal Maps and Sections

Appropriate maps are required to be submitted to allow for proper evaluation of the proposed exploration program by the District Inspector. Please indicate which Schedule A maps are included with this application.

☒ **Schedule A1** – Mineral/Coal Tenure Map(s) - Include a map which shows the boundaries of the tenure(s) in relation to the proposed exploration activities.

☒ **Schedule A2** – Map of Proposed Work (1:20,000 scale or less) - TRIM map, Forest Cover map or adequate equivalent - Map should show topography, watercourses, existing access, a centre line of proposed new or upgraded access, the location of proposed exploration activities, known MINFILE occurrences, known location of previous surface workings, and known locations of cultural heritage resource or protected heritage property. **Identify on map where a proposed activity may take place within riparian (stream, wetland or lake) setback distances specified in Table 9.1 of the Code.**

☐ **Schedule A3** – Land Title Map - Include when exploration activities are proposed on private land not owned by the mineral/coal tenure holder.

☐ **Schedule A4** – Terrain maps where required by Part 9.7.1 of the Code.

☐ **Schedule A5** – Underground Exploration - Include plan and section drawings for underground exploration work as described in Schedule I and as required by Part 6 of the Code.

☐ **Schedule A6** – Other maps required by the District Inspector

Schedule B
Mineral & Coal Reclamation Security

Transfer applicable information from Schedule C through Schedule J as appropriate

Exploration Activity	Surface Disturbance (ha) 1 ha = 10,000 m^2	Estimated Cost of Reclamation	
		Applicant	District Inspector
Schedule C: Exploration Grid(s), Camp Locations, Helicopter Pads		$	$
Schedule D: Mechanical Trenching/Test Pits	0.045	$450	$
Schedule F: Surface Drilling/Settling Ponds/ Sumps		$	$
Schedule G: Exploration Access Construction/ Modification/Reclamation		$	$
Schedule I: Bulk Sample (Overburden/Waste Dumps)		$	$
Schedule J: Underground Exploration Work (Portal Sites Ore / Waste Dumps)		$	$
Totals	0.045	$	$
Add disturbance from previous years	+0	$ +	$ +
Subtract disturbance reclaimed by applicant.	-0	$ -	$ -
Balance of unreclaimed disturbance	=0.045	$ =450	$ =

Steve Munro
Applicant Signature

Jan 18 2011
Date

TO BE COMPLETED BY DISTRICT INSPECTOR

☐ New Permit ☐ Permit amendment ☐ MX General

Total Reclamation Security Required $_____

Mine #: _____

Schedule C
Mineral & Coal Exploration Grid(s), Camp Locations & Helicopter Pads

1. Mark the locations of camps, constructed helicopter landing pads and proposed exploration grids on the Schedule A2 maps and complete the following:

   Length of Baseline _____ m. ☐ Geophysical (list type)_____
   Line Spacing _____ m. ☐ Other_____
   Total kilometres of line cut _____ km.

2. Show the distance of activity from known streams, wetlands or lakes on the Schedule A2 map.
3. Complete applicable sections of the following table:

Exploration Activity	Number of Sites	Disturbed Area (ha) 1 ha = 10,000 m^2	Timber Volume (m^3)
Camp			
Constructed Helicopter Landing Pads			
Exploration Grids - if timber felling required			
Totals			

Reclamation Program: Describe proposed reclamation and timing of reclamation work:

Estimated cost of reclamation of activities described above: $ _____

Schedule D
Mineral & Coal Mechanical Trenching/Test Pits

1. Mark the location of proposed trenches/test pits on the Schedule A2 map(s).
2. List the equipment to be used in the trenching/test pit program:
3. Show the distance of activity from known streams, wetlands or lakes on the Schedule A2 map(s).
4. Complete applicable sections of the following table:

Exploration Activity	Estimated Maximum Depth of Trenches/Pits	Number of Sites	Disturbed Area (ha) 1 ha =10,000 m^2	Timber Volume (m^3)
Trenches and Test Pits	1.25	45	0.045	0
Stockpiles		0	0	0
Totals		45	0.045	0

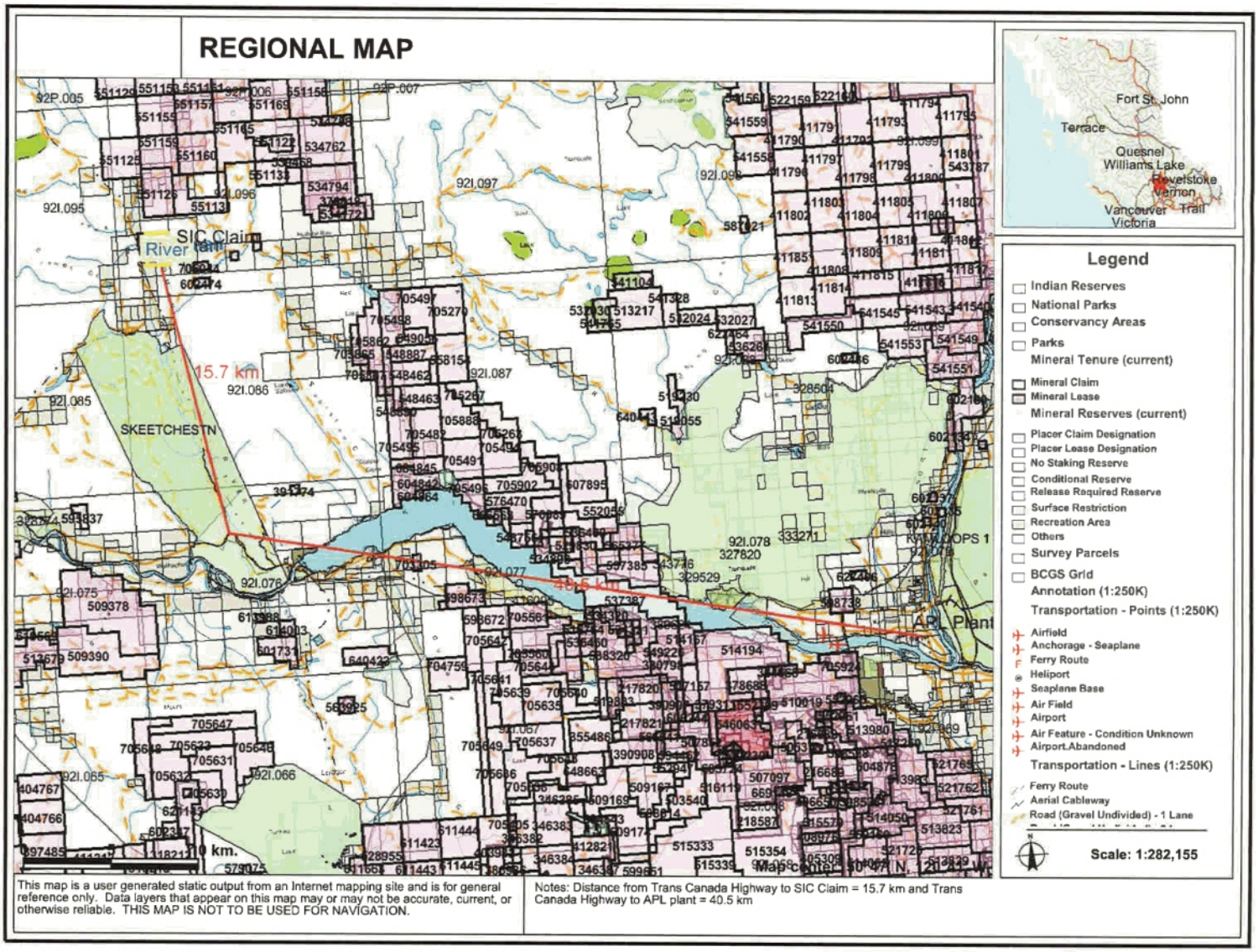
Reclamation Program: Describe proposed reclamation and timing of reclamation work:
After sampling the post hole auger pits will be back filled by shovel and seeded with grass

Estimated cost of reclamation of activities described above: $ 450

Steve Murray — Jan 18, 2011

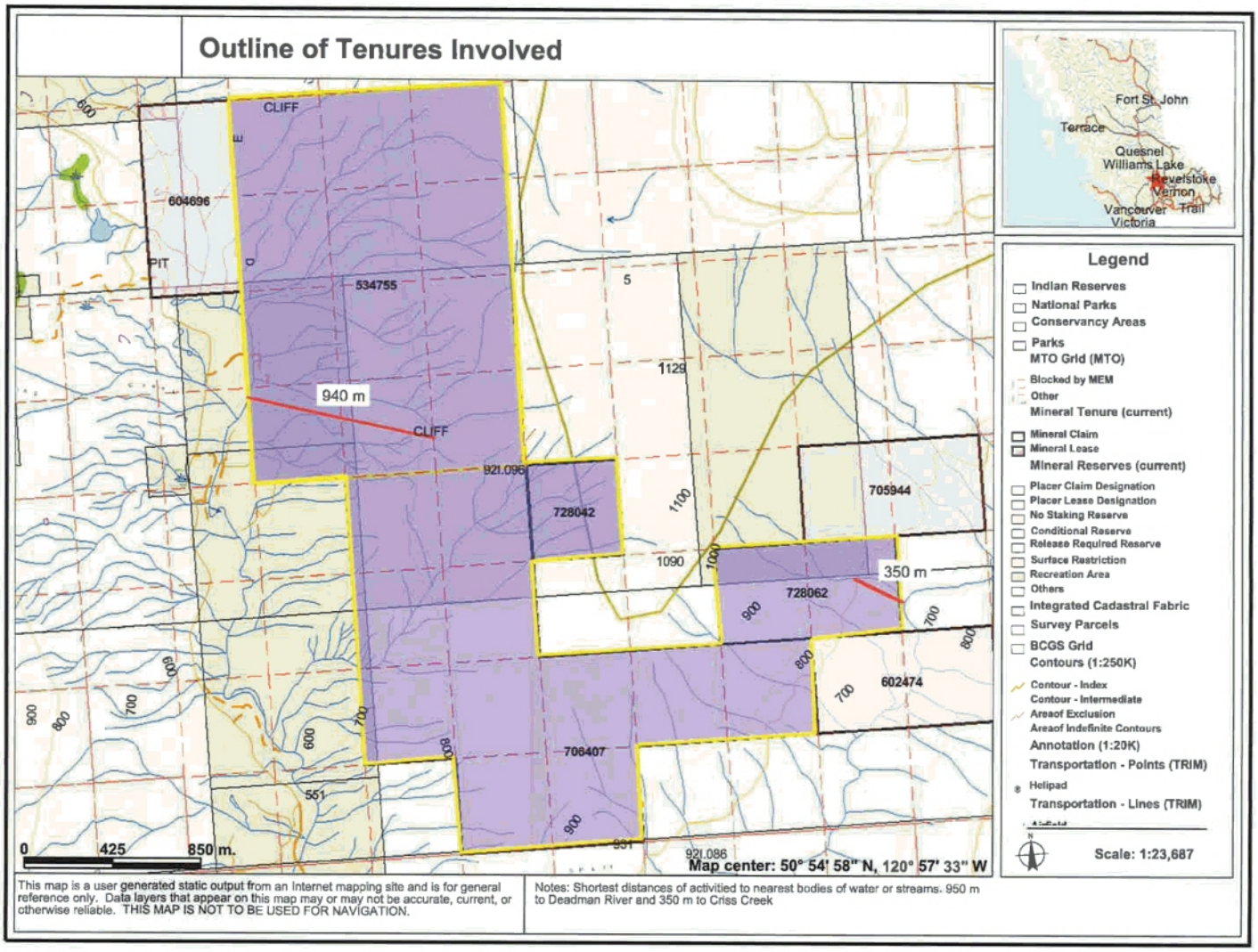
Applicant Signature **Date**

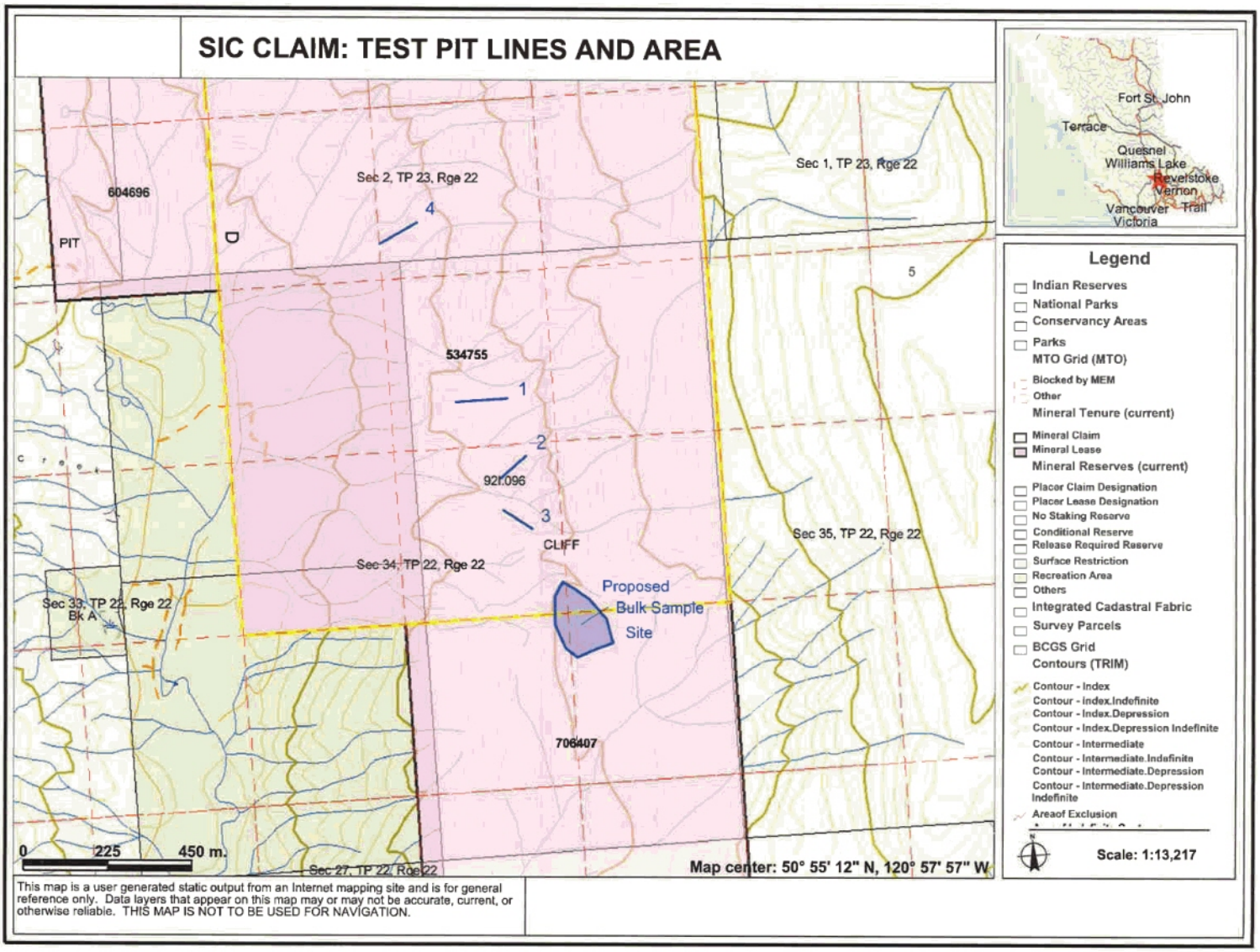
REGIONAL MAP



This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Notes: Distance from Trans Canada Highway to SIC Claim = 15.7 km and Trans Canada Highway to APL plant = 40.5 km


Outline of Tenures Involved
CLIFF
604696
PIT
534755
940 m
CLIFF
921.096
728042
705944
1129
1090
1100
1000
350 m
728062
900
700
800
602474
706407
551
921.086
0
425
850 m.
Map center: 50° 54' 58" N, 120° 57' 33" W
Fort St. John
Terrace
Quesnel
Williams Lake
Revelstoke
Vernon
Vancouver
Trail
Victoria
Legend
Indian Reserves
National Parks
Conservancy Areas
Parks
MTO Grid (MTO)
Blocked by MEM
Other
Mineral Tenure (current)
Mineral Claim
Mineral Lease
Mineral Reserves (current)
Placer Claim Designation
Placer Lease Designation
No Staking Reserve
Conditional Reserve
Release Required Reserve
Surface Restriction
Recreation Area
Others
Integrated Cadastral Fabric
Survey Parcels
BCGS Grid
Contours (1:250K)
Contour - Index
Contour - Intermediate
Areaof Exclusion
Areaof Indefinite Contours
Annotation (1:20K)
Transportation - Points (TRIM)
Helipad
Transportation - Lines (TRIM)
Scale: 1:23,687
This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.
Notes: Shortest distances of activities to nearest bodies of water or streams. 950 m to Deadman River and 350 m to Criss Creek


SIC CLAIM: TEST PIT LINES AND AREA
Sec 2, TP 23, Rge 22
Sec 1, TP 23, Rge 22
604696
PIT
D
4
5
534755
1
2
921096
3
CLIFF
Sec 34, TP 22, Rge 22
Sec 35, TP 22, Rge 22
Sec 33, TP 22, Rge 22
Blk A
Proposed
Bulk Sample
Site
706407
Sec 27, TP 22, Rge 22
0
225
450 m.
Map center: 50° 55' 12" N, 120° 57' 57" W
Fort St. John
Terrace
Quesnel
Williams Lake
Revelstoke
Vernon
Vancouver
Victoria
Trail
Legend
Indian Reserves
National Parks
Conservancy Areas
Parks
MTO Grid (MTO)
Blocked by MEM
Other
Mineral Tenure (current)
Mineral Claim
Mineral Lease
Mineral Reserves (current)
Placer Claim Designation
Placer Lease Designation
No Staking Reserve
Conditional Reserve
Release Required Reserve
Surface Restriction
Recreation Area
Others
Integrated Cadastral Fabric
Survey Parcels
BCGS Grid
Contours (TRIM)
Contour - Index
Contour - Index.Indefinite
Contour - Index.Depression
Contour - Index.Depression Indefinite
Contour - Intermediate
Contour - Intermediate.Indefinite
Contour - Intermediate.Depression
Contour - Intermediate.Depression Indefinite
Areaof Exclusion
Scale: 1:13,217
This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

BRITISH COLUMBIA
The Best Place on Earth

Friday, January 21, 2011 File: 14675-20/0300386

Steve Gurney
Absorbent Products Ltd.
724 East Sarcee Street
Kamloops BC V2H 1E7

Dear Steve Gurney

Re: Notice of Work Dated January 18, 2011
Property: Sic

I am writing to acknowledge receipt of your Notice of Work dated Tuesday, January 18, 2011 for the post-hole auger test program. Due to the nature of the proposed work, a *Mines Act* permit is not required. I wish you every success in your endeavor.

Please accept this letter as your authorization to carry out your work program subject to the following:

1. All work must be conducted in accordance with the Mines Act and Code for Mines in British Columbia, particular attention shall be paid to Part 9.3.5 of the Code;
2. All work is hand work only and that all test holes will be filled in immediately after the test material is removed and seeded with the appropriate seed mix.

Please note that this applies only to the requirements under the Mines Act and Health, Safety and Reclamation Code for Mines in British Columbia (Code). Other legislation may be applicable to the operation and you may be required to obtain approvals or permits under that legislation. It is your responsibility to comply with the terms and conditions of all other permits and authorizations which you may have been issued and other applicable legislation, including the Wildfire Act and Wildfire Regulation

If your work plans should change and more intensive exploration is anticipated, please submit another Notice of Work providing the appropriate information.

To clarify or discuss any of the above, please call this office.

Sincerely,

Bruce Hupman, P. Ag.
Senior Inspector of Mines

Ministry of Natural Resource Operations
Mining & Minerals Division
South Central Region
162 Oriole Road
Kamloops, BC V2C 4N7
Telephone: (250) 371 6059
Facsimile: (250) 371 6070

BRITISH COLUMBIA

Ministry of Energy, Mines and Petroleum Resources

Mineral & Coal Notice of Work and Reclamation Program

Mine #: _____

The information on this form and any supporting documents are subject to the *Freedom of Information and Protection of Privacy Act*. The information requested on this form is collected and used for the purpose of administering the *Mines Act* of British Columbia and the *Health, Safety and Reclamation Code for Mines in British Columbia* The *Mines Act* authorises the collection of the requested information on this form. The completed form is routinely available to the public. Questions about how the *Freedom of Information and Protection of Privacy Act* applies to the information collected on this form can be directed to the Office of the Information and Privacy Commissioner—phone: (250) 387-5629; fax: (250) 387-1696; mailing address: PO Box 9038 Stn. Prov. Govt. Victoria, British Columbia, V8W 9A4

X **Owner** (title holder)

☐ **Agent/Operator** (person or company authorized to make application on behalf of the title holder - attach letter of authorization where required)

☐ **Manager** (person appointed in writing by the owner or agent as manager pursuant to Section 21 of the *Mines Act*) (Attach letter of appointment)

Name Peter Aylen Company Absorbent Products Limited

Address 724 East Sarcee Street

City Kamloops Province B.C. Postal Code V2H 1E7

Bus. Phone (250) 372-1600 Fax (250) 372-3777

Name of Field Supervisor Dave Bowers

Site/Contact Phone/Fax (if available) _____ _____

Name of Property SIC Project Name

Describe Site Access 40 km west of Kamloops on the Trans Canada Highway to the junction with the Deadman-Vidette Road and then 14 km along road the its junction with Criss Creek Forestry Access Road, 3.2 km up road and then 3.2 km north by foot.

Mineral/Coal Titles where exploration activities will take place

Claim or Lease Name(s) _____ Tenure Number(s) 706407, 534775, 728062, 728042

Crown Granted Mineral Claims _____ Lot Number(s) _____

B.C. Geographic System Map Sheet Number(s) (eg TRIM 092L 006) 092I.096

Northing 5642451 Easting 643200 UTM Zone 10N

or if UTM not available

NTS Map Sheet #(s) _____ Latitude ____°/____'/____" Longitude ____°/____'/____"

Are proposed activities on private land? No; if yes, attach written copy of notice served to land owner.

Proposed start date (y/m/d): 2014 / 06 / 01 Proposed completion date (y/m/d): 2114 / 12 / 31

Every Permittee shall give written or verbal notice to the district inspector prior to commencement of approved exploration activities in each calendar year that the proposed program of approved activities is underway.

Water Supply: Describe source: None required

Estimated quantity of water to be used (cubic feet/second or cubic metre/second): Not applicable

Cultural Heritage Resources: - Are you are aware of any cultural heritage resource(s) or protected heritage property as defined under the *Mineral Tenure Act*, within the bounds of the tenure(s) where exploration work is proposed?

☐ Yes (Note locations on maps under Schedule A) X No

Should cultural heritage resources or protected heritage property be encountered while undertaking exploration activities you are required to report them to: The Archaeological Planning and Assessment Unit, Ministry of Sustainable Resource Management, PO Box 9816, Stn Prov Govt, Victoria, BC V8W 9M5

Occupational First Aid: - Minimum first aid requirements on an exploration site are established in the Workers' Compensation Board of B.C. Occupational First Aid regulations. All members of an exploration drill crew must have a valid Workers' Compensation Board or "Standard" first aid equivalent unless the drill site is accessible in all weather conditions within five minutes of the main camp or other facility where there is a qualified first aid attendant.

Describe the means of communication on the exploration site:
__Cell **phone**_____

Location of nearest **hospital:**____Kamloops_____
Travel time to hospital by ground ___2hours_____ by air ___15 min Number of persons on site (include contractors) ___4____
Types of transportation available:____Helicopter in an emergency_____
First Aid Equipment on Site:_____
First Aid Certificate held by attendant (if required): _____

Description of Exploration Program (give a brief overview of location, nature and extent of proposed activities):
____Construction of a 3.2 km road of 5.5 m width using a D8 bulldozer and a Hyundi 330 Excavator to access the Bulk Sample open pit site. To assess the best position for the open pit, overburden and waste piles a 50 m grid-spaced test pit program will be conducted using a Hyundi 330 excavator with a narrow digging bucket, digging a maximum of 30 test pits to a maximum depth of 6 m each. These results will be used to guide in the removal and stockpiling of overburden and waste in separate piles on the east side of the open pit area. Removal of a 10,000 tonne bulk sample from the open pit will be accomplished by means of haul trucks equipped each equipped with a trailer. The trucks, with a width of 2.2 m, will haul the product to Absorbent Products Ltd. plant in Kamloops for treatment.

Mineral Exploration Activities to be Undertaken (Indicate schedules submitted with this application)

X Schedule A - Maps & Sections (Compulsory)
X Schedule B - Reclamation Security (Compulsory)
☐ **Schedule C** - Exploration Grids, Camp Location, Helicopter Pads
X Schedule D - Mechanical Trenching/Test Pits
☐ **Schedule E** - Blasting
☐ **Schedule F** - Surface Drilling/Settling Ponds/Sump
X Schedule G - Exploration Access Construction/Modification
X Schedule H - Application for Timber Cutting Authorization
X Schedule I - Bulk Sample
☐ **Schedule J** - Underground Exploration
☐ **Schedule K** - Off Tenure Access Special Use Permit and Licence to Cut

I, __Peter Aylen_____, hereby make application to undertake the exploration activities described in this notice, and in accordance with the *Mines Act* and the Health, Safety and Reclamation Code for Mines in British Columbia.

Steve Muney
Applicant Signature

Jan 18-2011
Date

Mine #_ _ _ _ _ _ _ _

Schedule A
Mineral & Coal Maps and Sections

Appropriate maps are required to be submitted to allow for proper evaluation of the proposed exploration program by the District Inspector. Please indicate which Schedule A maps are included with this application.

- ☒ **Schedule A1** – Mineral/Coal Tenure Map(s) - Include a map which shows the boundaries of the tenure(s) in relation to the proposed exploration activities.
- ☒ **Schedule A2** – Map of Proposed Work (1:20,000 scale or less) - TRIM map, Forest Cover map or adequate equivalent - Map should show topography, watercourses, existing access, a centre line of proposed new or upgraded access, the location of proposed exploration activities, known MINFILE occurrences, known location of previous surface workings, and known locations of cultural heritage resource or protected heritage property. **Identify on map where a proposed activity may take place within riparian (stream, wetland or lake) setback distances specified in Table 9.1 of the Code.**
- ☐ **Schedule A3** – Land Title Map - Include when exploration activities are proposed on private land not owned by the mineral/coal tenure holder.
- ☐ **Schedule A4** – Terrain maps where required by Part 9.7.1 of the Code.
- ☐ **Schedule A5** – Underground Exploration - Include plan and section drawings for underground exploration work as described in Schedule I and as required by Part 6 of the Code.
- ☐ **Schedule A6** – Other maps required by the District Inspector

Schedule B
Mineral & Coal Reclamation Security

Transfer applicable information from Schedule C through Schedule J as appropriate

Exploration Activity	Surface Disturbance (ha) 1 ha = 10,000 m^2	Estimated Cost of Reclamation	
		Applicant	District Inspector
Schedule C: Exploration Grid(s), Camp Locations, Helicopter Pads		$	$
Schedule D: Mechanical Trenching/Test Pits	0.7	$3,000	$
Schedule F: Surface Drilling/Settling Ponds/ Sumps		$	$
Schedule G: Exploration Access Construction/ Modification/Reclamation	6.4	$25,000	$
Schedule I: Bulk Sample (Overburden/Waste Dumps)	1.0	$4,500	$
Schedule J: Underground Exploration Work (Portal Sites Ore / Waste Dumps)		$	$
Totals		$	$
Add disturbance from previous years	+0	$ +0	$ +
Subtract disturbance reclaimed by applicant.	-0	$ -0	$ -
Balance of unreclaimed disturbance	=9.1	$ =32,500	$ =

Applicant Signature _____ **Date** _____

TO BE COMPLETED BY DISTRICT INSPECTOR

☐ New Permit ☐ Permit amendment ☐ MX General

Total Reclamation Security Required $ _____

Mine #: _____

Schedule C
Mineral & Coal Exploration Grid(s), Camp Locations & Helicopter Pads

1. Mark the locations of camps, constructed helicopter landing pads and proposed exploration grids on the Schedule A2 maps and complete the following:

   Length of Baseline _____ m. ☐ Geophysical (list type)_____
   Line Spacing _____ m. ☐ Other_____
   Total kilometres of line cut _____ km.

2. Show the distance of activity from known streams, wetlands or lakes on the Schedule A2 map.
3. Complete applicable sections of the following table:

Exploration Activity	Number of Sites	Disturbed Area (ha) 1 ha = 10,000 m^2	Timber Volume (m^3)
Camp			
Constructed Helicopter Landing Pads			
Exploration Grids - if timber felling required			
Totals			

Reclamation Program: Describe proposed reclamation and timing of reclamation work:

Estimated cost of reclamation of activities described above: $ _____

Schedule D
Mineral & Coal Mechanical Trenching/Test Pits

1. Mark the location of proposed trenches/test pits on the Schedule A2 map(s).
2. List the equipment to be used in the trenching/test pit program:
3. Show the distance of activity from known streams, wetlands or lakes on the Schedule A2 map(s).
4. Complete applicable sections of the following table:

Exploration Activity	Estimated Maximum Depth of Trenches/Pits	Number of Sites	Disturbed Area (ha) 1 ha =10,000 m^2	Timber Volume (m^3)
Trenches and Test Pits	6 m	30	0.7	0
Stockpiles		2	0.2	5
Totals		32	0.9	5

Reclamation Program: Describe proposed reclamation and timing of reclamation work:
_Each test pit will be back filled with removed material after sampling, tamped down and grass-seeded. If the bulk sample mill test is successful, part of the claims will be converted into a mining lease. If the mill test is unsuccessful, the waste pile will be distributed back over the open pit site and the overburden pile redistributed over the waste so that the site is re-contoured and planted with grass seed.

Estimated cost of reclamation of activities described above: $ __3000 for test pits, $4500 for open pit site

Peter Murray — Jan 18-2011

Applicant Signature **Date**

Mine #: _____

Schedule G
Mineral & Coal Exploration Access/Construction/ Modification/Reclamation

Refer to Part 9 of the Code for specific information requirements for planning, surveys, design and deactivation/reclamation of access construction/modification and submit the required information to the District Inspector with this schedule.

1. Mark the locations of proposed construction, modification and reclamation of exploration access on the Schedule A2 map(s).
2. List the equipment to be used in access construction/modification/reclamation: _If the mill test is unsuccessful, the approximately 3.2 km of road will be re-contoured with a D8 bulldozer and Hyundai 330 Excavator, furrowed with a bulldozer tooth and planted with seedling trees. Although the supplied base map shows the road crossing streams, these are dry gullies even in the spring (visited on March 10, 2010), however 5 culverts will be placed at points 43, 45, just west of 46, 55 and northwest of 56_____
3. Show the distances of activity from known streams, wetlands or lakes on the Schedule A2 map(s).
4. Complete the applicable sections of the following table:

Exploration Activity	**Length (km)**	**Disturbed Area (ha) 1 ha =10,000 m^2**	**Timber Volume (m^3)**	**Is activity in Community watershed?**	**Terrain stability classification (as required)**
Exploration trail construction					
Excavated trail construction					
Excavated trail modification					
Temporary access road construction	2.8	5.6	100	no	
Temporary access road modification	0.4	0.8	nil	no	
Totals	3.2	6.4	100		

Reclamation Program: Describe proposed reclamation and timing of reclamation work:
If the mill test is unsuccessful, the approximately 3.2 km of road will be immediately re-contoured with a D8 bulldozer and Hyundai 330 Excavator, furrowed with a bulldozer tooth and planted with seedling trees. If the mill test is successful, the road will be properly ditched and culverted where necessary and gravelled for extended use after the appropriate area has been converted to a mining lease. The proposed road is totally within the boundaries of Tenure Number 706407_____
Estimated cost of reclamation of activities described above: $ _20,000_____

Steve Murray
Applicant Signature

Jan 18, 2011
Date

Note: Ministry of Forest (MOF) Road Use permits are required for the use of existing roads in provincial forests by vehicles other than light traffic. A MOF Special Use permit is also required for the construction of new access and the upgrading of existing access located off mineral or coal tenures.

Mine #: _____

Schedule H
Mineral & Coal Application for Timber Cutting Authorization

Provide the following information for mineral exploration activities where timber cutting is required. This information will be used by the Ministry of Forests to determine the appropriate cutting authorization.

Exploration Activity	Number of Sites	Area (ha) 1 ha = 10,000 m^2	Timber Volume (m^3)	
			Applicant	For office use
Schedule C: Exploration Grids, Camp Locations, Helicopter Pads				
Schedule D: Mechanical Trenching/ Test Pits				
Schedule F: Surface Drilling/Settling Ponds/ Sumps				
Schedule G: Exploration Access Construction/Modification / Reclamation *		6.4	**100**	
Schedule I: Bulk Sample (Overburden/Waste Dumps)	1	1	10	
Schedule J: Underground Exploration Work (Portal Sites Ore/Waste Dumps)				
Totals				

Description of Timber	Area (ha)	Timber Volume (m^3)	
By main species: Fir (pine dead)		110	
By merchantable timber:		110	

* *Construction/Modification/Reclamation which is not located on mineral or coal tenures requires a Special Use permit (SUP) from the Ministry of Forests.*

Is an exemption requested from the requirement to mark boundaries when activities are within the distances in Table 9.1 of the Code? ☒ **Yes** ☐ **No**

Utilization

Will timber be used on site? _No_____ If no, indicate how timber will be disposed:

☐ Bucked and scattered ☐ Decked for other timber tenure holders ☒ As directed by cutting authorization

Steve Munro
Applicant Signature

Jan 18, 2011
Date

Note: The Forest Practices Code of British Columbia regulates the cutting of Crown timber resources. The felling of Crown timber without appropriate authorization may lead to penalties.

FOR MINISTRY OF FOREST USE ONLY

Is cruise required? ☐ Yes ☐ No Volume Cruised _____ Date Cruised _____

If field inspection required, applicant/ministry to be involved: ☐ Applicant ☐ MEM ☐ MOF ☐ WLAP

Date of field inspection: _____ Free Use permit # _____ or Licence to Cut # _____

Date issued: _____ Reviewed by: _____

Mine #: _____

Schedule I
Mineral & Coal Bulk Sample

Bulk samples which result in the extraction of an amount equal to or greater than 10,000 tonnes of mineralized rock or 50,000 tonnes of coal must comply with Part 10.1.2 of the Code.

1. Bulk Sample: ___X__ **Mineral** _____ **Coal**

2. Mark the locations of all excavation sites, overburden/waste dumps on the appropriate map(s) under Schedule A.

3. List the equipment to be used in the bulk sample program:
_D8 Cat, Hyundai 780 loader, Hyundai 330 Excavator, tandem dump trucks_____

4. Show the distance of activity from known streams, wetlands and lakes on maps submitted.

5. Describe handling and on-site processing methods:___The material will be stockpiled in the open pit area and loaded onto tandem dump trucks by a 780 Hyundai loader. No treatment occurs on site.

6. Metal Leaching and Acid Rock Drainage:

   If bedrock excavation is 1,000 tonnes or greater, the applicant must provide with this schedule:

   a) an effective metal leaching and acid rock drainage (ARD) prevention program including a prediction plan and appropriate mitigation, treatment, maintenance and monitoring measures; and,

This material is similar to bentonite presently produced by Absorbent Products Ltd., does not contain sulphides and has approximately 2% calcite

   b) a management plan for excavated bedrock. The bedrock will be stockpiled and upon decommissioning of the quarry will be redistributed over the quarry site, topped by overburden and grass seeded and planted with seedling trees.

7. Complete the following table:

Exploration Activity	Tonnes	Disturbed Area (ha) 1 ha = 10,000 m^2	Timber Volume (m3)
Bulk sample	10,000	0.5	5
Overburden/waste dumps	5,000	0.5	5
Totals	15,000	1.0	10

Reclamation Program

Provide details of surface reclamation: _If the mill test of the bulk sample is unsatisfactory, within 6 months, the site will be re-contoured using first the material from the waste pile and finally the material from the overburden pile. The area will then be grass seeded and planted with seedling trees of the appropriate species.

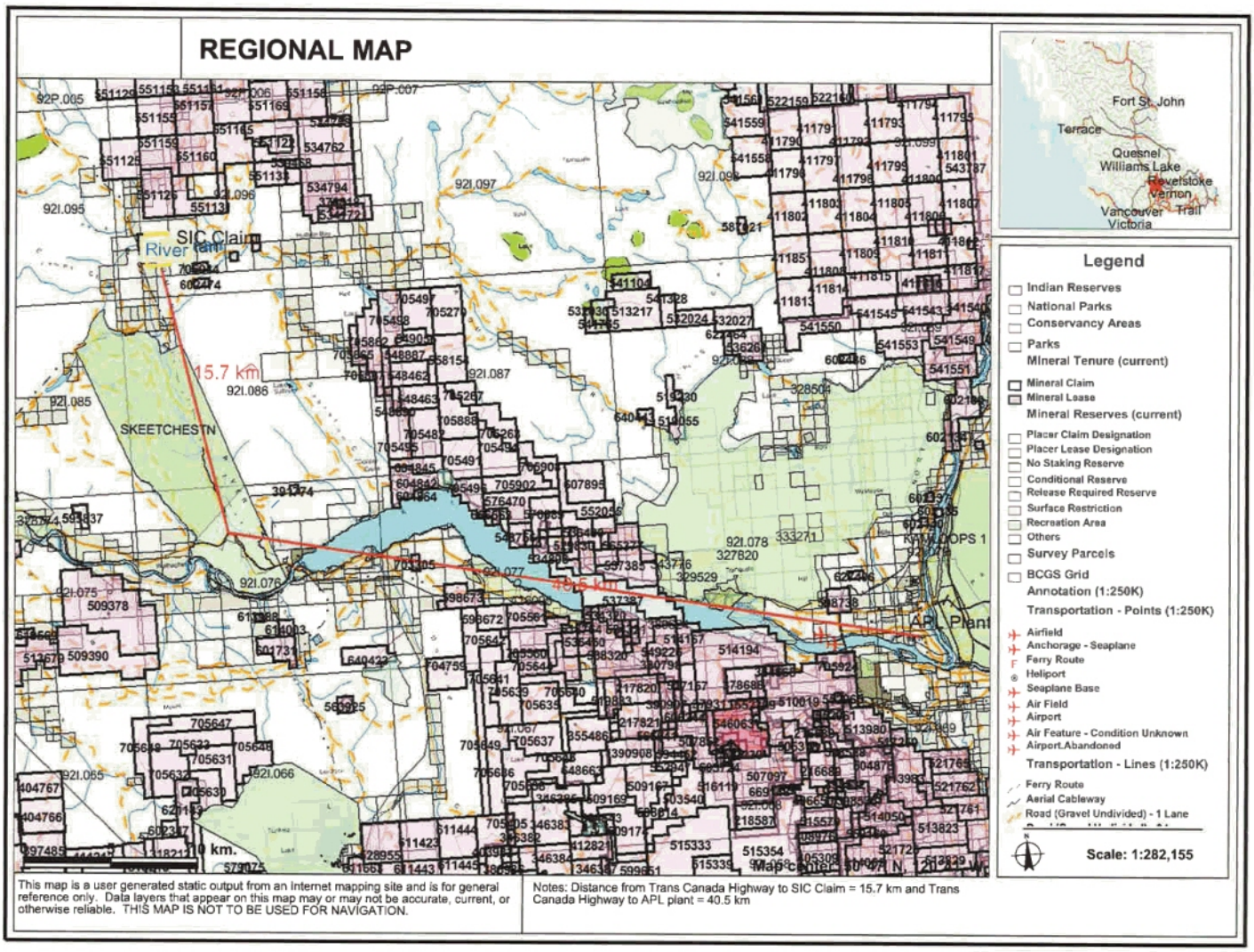
If material has potential for spontaneous combustion, give details of separate handling: Not applicable_____

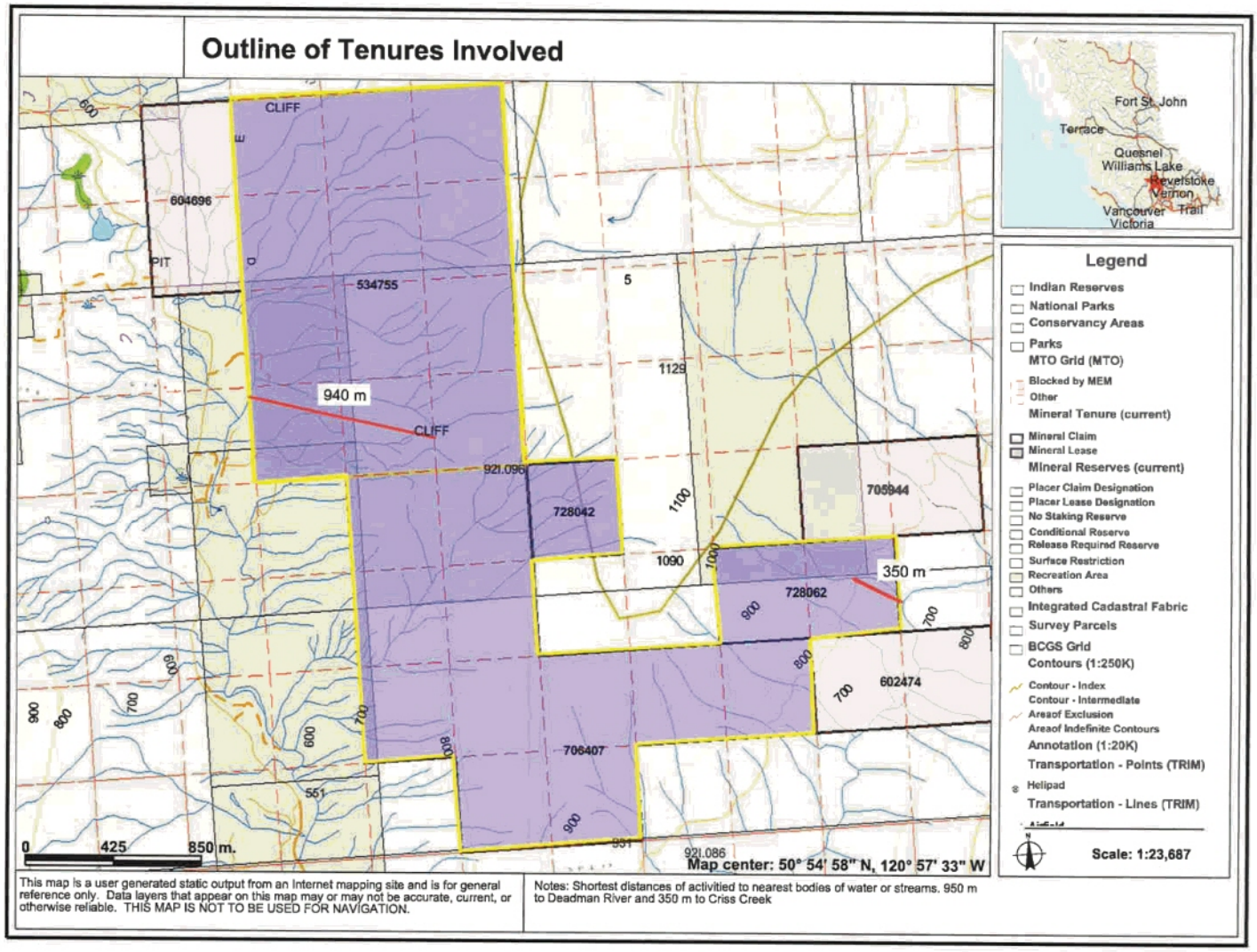
Surface water drainage and mitigation strategies: As there are no streams in the proposed bulk sample site, drainage sumps will be installed below the disturbed area both in the north and southwest sectors

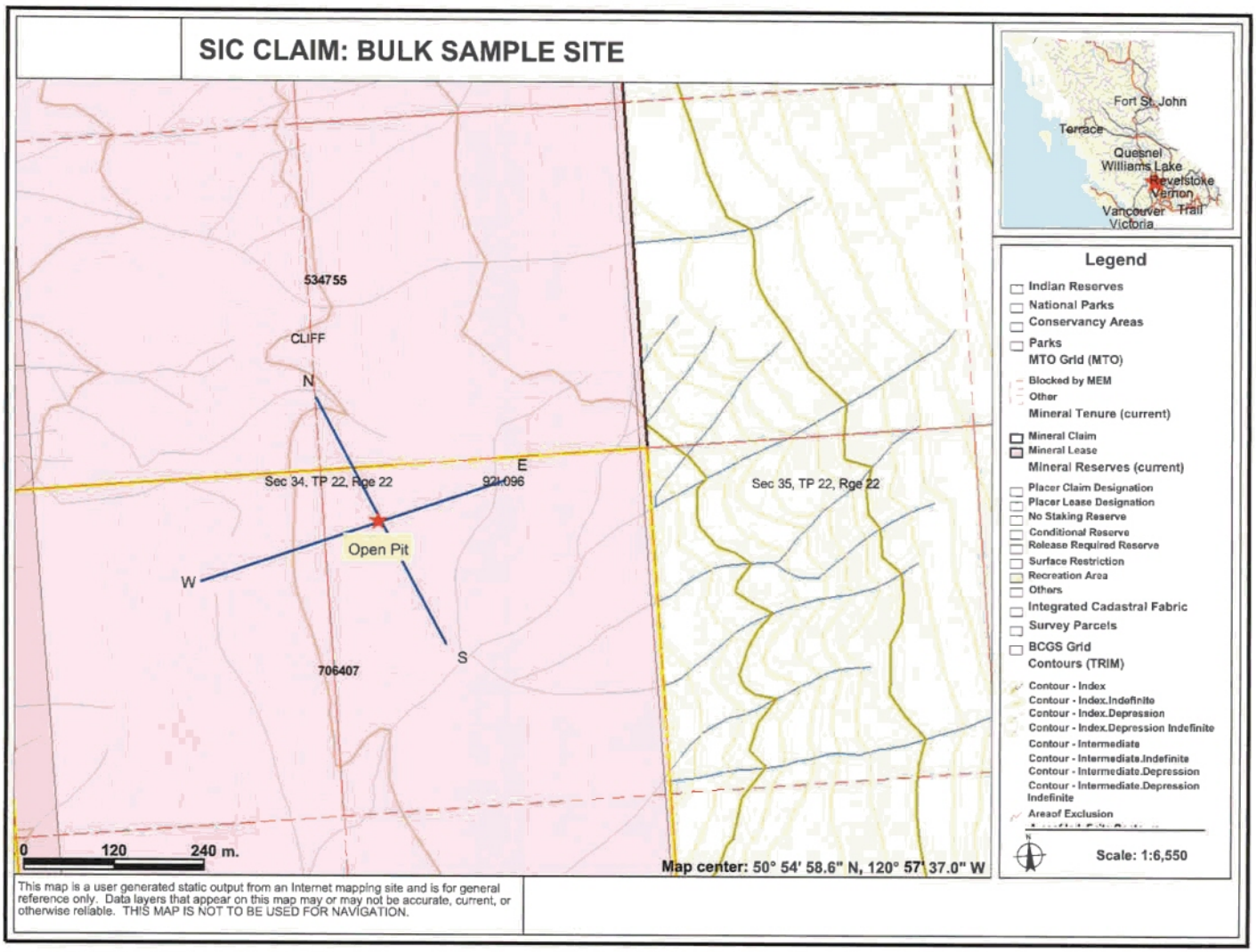
Estimated cost of reclamation activities described above: $____4,500_____

Steve Murray
Applicant Signature

Jan 18, 2011
Date

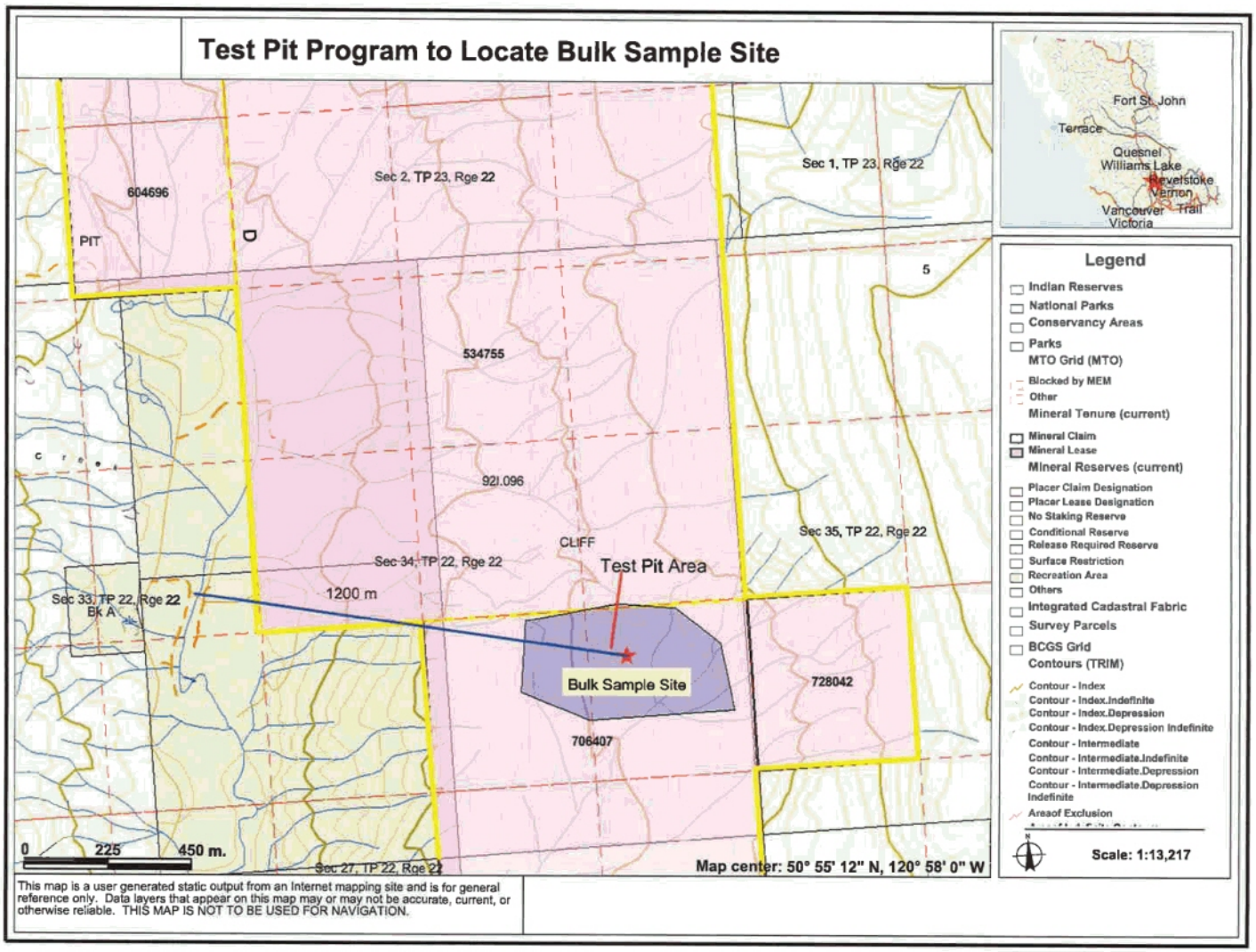

REGIONAL MAP
SIC Claim
15.7 km
40.5 km
SKEETCHESTN
Fort St. John
Terrace
Quesnel
Williams Lake
Revelstoke
Vernon
Vancouver
Trail
Victoria
Legend
Indian Reserves
National Parks
Conservancy Areas
Parks
Mineral Tenure (current)
Mineral Claim
Mineral Lease
Mineral Reserves (current)
Placer Claim Designation
Placer Lease Designation
No Staking Reserve
Conditional Reserve
Release Required Reserve
Surface Restriction
Recreation Area
Others
Survey Parcels
BCGS Grid
Annotation (1:250K)
Transportation - Points (1:250K)
Airfield
Anchorage - Seaplane
Ferry Route
Heliport
Seaplane Base
Air Field
Airport
Air Feature - Condition Unknown
Airport.Abandoned
Transportation - Lines (1:250K)
Ferry Route
Aerial Cableway
Road (Gravel Undivided) - 1 Lane
Scale: 1:282,155
This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.
Notes: Distance from Trans Canada Highway to SIC Claim = 15.7 km and Trans Canada Highway to APL plant = 40.5 km


Outline of Tenures Involved
CLIFF
604696
PIT
534755
940 m
CLIFF
921.096
728042
1129
5
1100
1090
705944
350 m
728062
602474
706407
551
921.086
0 425 850 m.
Map center: 50° 54' 58" N, 120° 57' 33" W
Fort St. John
Terrace
Quesnel
Williams Lake
Revelstoke
Vernon
Vancouver
Trail
Victoria
Legend
Indian Reserves
National Parks
Conservancy Areas
Parks
MTO Grid (MTO)
Blocked by MEM
Other
Mineral Tenure (current)
Mineral Claim
Mineral Lease
Mineral Reserves (current)
Placer Claim Designation
Placer Lease Designation
No Staking Reserve
Conditional Reserve
Release Required Reserve
Surface Restriction
Recreation Area
Others
Integrated Cadastral Fabric
Survey Parcels
BCGS Grid
Contours (1:250K)
Contour - Index
Contour - Intermediate
Areaof Exclusion
Areaof Indefinite Contours
Annotation (1:20K)
Transportation - Points (TRIM)
Helipad
Transportation - Lines (TRIM)
Scale: 1:23,687
This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.
Notes: Shortest distances of activitied to nearest bodies of water or streams. 950 m to Deadman River and 350 m to Criss Creek


SIC CLAIM: BULK SAMPLE SITE
534755
CLIFF
N
E
Sec 34, TP 22, Rge 22
92I-096
Sec 35, TP 22, Rge 22
Open Pit
W
S
706407
0
120
240 m.
Map center: 50° 54' 58.6" N, 120° 57' 37.0" W
This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.
Fort St. John
Terrace
Quesnel
Williams Lake
Revelstoke
Vernon
Vancouver
Trail
Victoria
Legend
Indian Reserves
National Parks
Conservancy Areas
Parks
MTO Grid (MTO)
Blocked by MEM
Other
Mineral Tenure (current)
Mineral Claim
Mineral Lease
Mineral Reserves (current)
Placer Claim Designation
Placer Lease Designation
No Staking Reserve
Conditional Reserve
Release Required Reserve
Surface Restriction
Recreation Area
Others
Integrated Cadastral Fabric
Survey Parcels
BCGS Grid
Contours (TRIM)
Contour - Index
Contour - Index.Indefinite
Contour - Index.Depression
Contour - Index.Depression Indefinite
Contour - Intermediate
Contour - Intermediate.Indefinite
Contour - Intermediate.Depression
Contour - Intermediate.Depression Indefinite
Areaof Exclusion
Scale: 1:6,550

Horizontal scale = Vertical scale

1:4000


Test Pit Program to Locate Bulk Sample Site
Sec 2, TP 23, Rge 22
Sec 1, TP 23, Rge 22
604696
PIT
D
5
534755
92I.096
CLIFF
Sec 34, TP 22, Rge 22
Test Pit Area
1200 m
Sec 33, TP 22, Rge 22
Bk A
Sec 35, TP 22, Rge 22
Bulk Sample Site
728042
706407
0
225
450 m.
Sec 27, TP 22, Rge 22
Map center: 50° 55' 12" N, 120° 58' 0" W
Fort St. John
Terrace
Quesnel
Williams Lake
Revelstoke
Vernon
Vancouver
Trail
Victoria
Legend
Indian Reserves
National Parks
Conservancy Areas
Parks
MTO Grid (MTO)
Blocked by MEM
Other
Mineral Tenure (current)
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Mineral Lease
Mineral Reserves (current)
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Conditional Reserve
Release Required Reserve
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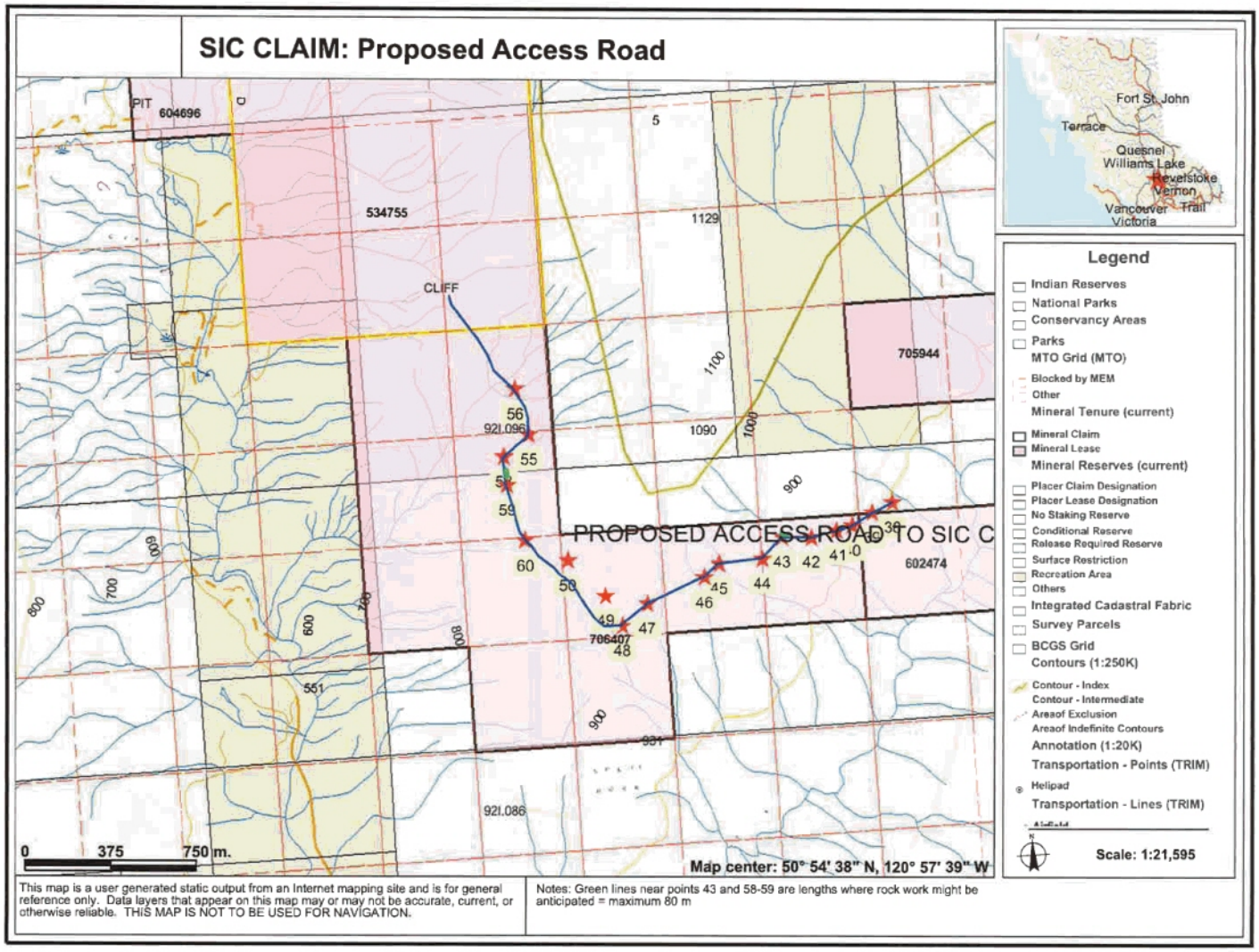
Recreation Area
Others
Integrated Cadastral Fabric
Survey Parcels
BCGS Grid
Contours (TRIM)
Contour - Index
Contour - Index.Indefinite
Contour - Index.Depression
Contour - Index.Depression Indefinite
Contour - Intermediate
Contour - Intermediate.Indefinite
Contour - Intermediate.Depression
Contour - Intermediate.Depression Indefinite
Areaof Exclusion
Scale: 1:13,217
This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.


SIC CLAIM: Proposed Access Road
PIT
604696
534755
5
1129
CLIFF
705944
1100
1090
1000
900
56
92I.096
55
54
59
60
58
49
706407
48
47
46
45
44
43
42
41
40
39
PROPOSED ACCESS ROAD TO SIC C
602474
800
700
600
551
931
92I.086
0
375
750 m.
Map center: 50° 54' 38" N, 120° 57' 39" W
Fort St. John
Terrace
Quesnel
Williams Lake
Revelstoke
Vernon
Vancouver
Trail
Victoria
Legend
Indian Reserves
National Parks
Conservancy Areas
Parks
MTO Grid (MTO)
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Other
Mineral Tenure (current)
Mineral Claim
Mineral Lease
Mineral Reserves (current)
Placer Claim Designation
Placer Lease Designation
No Staking Reserve
Conditional Reserve
Release Required Reserve
Surface Restriction
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Others
Integrated Cadastral Fabric
Survey Parcels
BCGS Grid
Contours (1:250K)
Contour - Index
Contour - Intermediate
Areaof Exclusion
Areaof Indefinite Contours
Annotation (1:20K)
Transportation - Points (TRIM)
Helipad
Transportation - Lines (TRIM)
Scale: 1:21,595
This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.
Notes: Green lines near points 43 and 58-59 are lengths where rock work might be anticipated = maximum 80 m

UTM Coordinates of Waypoints on Proposed Road

Grid UTM
Datum NAD83

Point #		Date	Time	Easting	Northing	Elevation		Longitude	Latitude	Notes				
Waypoint	38	11-Mar-10	10:05:23AM	645064	5641687	770	m	120°56'11.9"	50°54'30.9	<1' dia fir)		54-17 post on Criss Creek road		
Waypoint	39	11-Mar-10	10:23:25AM	644973	5641643	800	m	120°56'16.6"	50°54'29.6"	<1' dia fir)				
Waypoint	40	11-Mar-10	10:29:23AM	644883	5641592	814	m	120°56'21.3"	50°54'28.0"	<1' dia fir)	1.5 loads			
Waypoint	41	11-Mar-10	10:33:45AM	644812	5641572	828	m	120°	50°	<1' dia fir)				
Waypoint	42	11-Mar-10	10:39:38AM	644700	5641546	846	m	120°56'30.7	50°54'26.7"	<1' dia fir)		small culvert		
Waypoint	43	11-Mar-10	10:50:24AM	644570	5641552	867	m	120°54'27.0"	50°54'27.0"	<1' dia fir)		small culvert, 30 m rock work		
Waypoint	44	11-Mar-10	11:00:58AM	644480	5641462	884	m	120°56'42.1"	50°54'24.2"	<1' dia fir)	1 load			
Waypoint	45	11-Mar-10	11:16:00AM	644291	5641449	889	m	120°56'51.8"	50°54'23.9"	<1' dia fir)		small culvert		
Waypoint	46	11-Mar-10	11:23:00AM	644221	5641393	888	m	120°56'55.4"	50°54'22.1"	< 1' dia fir)				
Waypoint	47	11-Mar-10	11:36:07AM	643965	5641287	886	m	120°57'08.7"	50°54'18.9"	<1' dia fir)	1.5 loads			
Waypoint	48	11-Mar-10	11:46:56AM	643850	5641194	898	m	120°57'14.7"	50°54'16.0"	<1.5' dia fir)		ridge		
Waypoint	49	11-Mar-10	12:00:50PM	643782	5641331	906	m	120°57'18.0"	50°54'20.5"	<1.5' dia fir)				
Waypoint	50	11-Mar-10	12:13:19PM	643623	5641492	884	m	120°57'25.9"	50°54'25.9"	<1.5' dia fir)	1.5 loads			
Waypoint	51	11-Mar-10	12:24:07PM	643511	5641556	870	m	120°57'31.4"	50°54'28.1	<2' dia fir)				
Waypoint	52	11-Mar-10	12:38:09PM	643403	5641673	856	m	120°57'36.8"	50°54'31.9"	<1.5' dia fir)	1 load			
Waypoint	53	11-Mar-10	12:50:53PM	643379	5641838	849	m	120°57'37.8"	50°54'37.3"	<1.5' dia fir)		ridge		
Waypoint	54	11-Mar-10	1:03:05PM	643439	5641928	847	m	120°57'34.7"	50°54'34.7"					small culvert
Waypoint	55	11-Mar-10	1:12:56PM	643473	5642049	845	m	120°57'34.7"	50°54'44.0"	no trees		on old logging road		
Waypoint	56	11-Mar-10	1:21:34PM	643421	5642254	836	m	120°57'31.5"	50°54'50.7"	no trees		on old logging road		small culvert
Waypoint	57	11-Mar-10	2:24:35PM	643676	5642381	896	m	120°	50°			on bentonite		
Waypoint	58	11-Mar-10	2:59:28PM	643360	5641959	832	m	120°	50°	<1.5' dia fir)	0.5 load	on old logging road		
Waypoint	59	11-Mar-10	3:09:17PM	643368	5641831	847	m	120°57'38.4	50°54'37.1"					
Waypoint	60	11-Mar-10	3:26:13PM	643438	5641588	857	m	120°	50°					
Waypoint	61	11-Mar-10	3:35:13PM	643558	5641478	871	m	120°	50°					
										Total	7 loads			

10:41 16/03/2010

ANNUAL RECLAMATION REPORT

FOR YEAR 2014

MINE PERMIT Q-15-006

MINING LEASE # 310888

RED LAKE QUARRY

ABSORBENT PRODUCTS LTD.

Mine Manager: **Steve Gurney**

1(250) 372-1600 ext 111

Author: **Peter B. Read,**

Geotex Consultants Limited

Suite 832 – 470 Granville St.,

Vancouver, B.C., V6C 1V5

(604) 681-4643

November 20, 2014

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RED LAKE QUARRY

Peter B. Read

November 20, 2014

1. INTRODUCTION

This report details mining and reclamation activities carried out at the Red Lake Quarry to November 17, 2014 and a five-year projection of anticipated mining and reclamation. The quarry is operated under Permit Q-15-006 issued to Western Industrial Clay Products Ltd., (WICPL) on November 30, 1992 with subsequent amendments in 1996, 2001 and 2003. On February 4, 2005, WICPL transferred ownership of the lease to Absorbent Products Ltd (APL). On November 30, 2012 this lease was extended an additional 10 years to November 30, 2022. With the payment of the annual lease fee, Mining Lease No. 310888 is good until November 30, 2015.

Mining Lease No. 310888 was extended to include the Bepple Pit and now comprises a total of 60.8 hectares (150 acres) divided into four mining areas, namely Main, West, Northwest and Bepple pits. In early 2006, APL purchased the 44.35 hectares of Crown land within Mining Lease 310888. Diatomaceous earth was extracted from the Northwest and Bepple pits during 2013. Reclamation work, consisting of backfilling from waste, medial leonardite and topsoil piles and recontouring of mined out areas and reseeding with an approved grass mixture, continued in 2014 in the West and Main pits.

2. LOCATION

The Red Lake Quarry is 41 km northwest of Kamloops at an elevation of approximately 1,300 metres (Figure 1). The first eight kilometres of road from APL's plant in Kamloops is paved with the remaining 33 km a publically maintained gravel road called the Criss Creek Forestry Access Road. APL has its processing and bagging plant, distribution warehouse, research laboratory and offices at 724 East Sarcee Street in Kamloops. The quarrying and trucking of the raw diatomaceous earth to the Kamloop's plant is of a seasonal nature to avoid winter and load restriction conditions and usually operates seven to eight months of the year.

3. GEOLOGY OF THE RED LAKE QUARRY

At the Red Lake Quarry, the diatomaceous earth deposit consists of Upper and Basal layers of diatomaceous earth separated by a 1.0 to 1.5 m thick medial carbonaceous shale (leonardite) all locally overlying a basal carbonaceous shale (leonardite) up to 1.5 m thick. These sedimentary rocks comprise

the Deadman River Formation of Miocene age, which unconformably overlies andesite to dacite flows of the Dewdrop Flats Formation of the Kamloops Group of mid-Eocene age. Here and there, such as on the eastern edge of the Bepple Pit, an erosional remnant of a once extensive sheet of Miocene basalt flows of the Chasm Formation overlies the Miocene sedimentary succession. The Miocene sedimentary and volcanic sequences comprise the southern edge of the Chilcotin Group, which is widespread in central British Columbia. Quaternary soil, till and locally sand, silt and gravel form a 1.5 to 3.0 m thick cover over bedrock.

The Upper Diatomaceous Earth layer is up to 8 m thick in the Bepple Pit and overlies the Basal Diatomaceous Earth layer which averages 2 to 6 m in thickness but locally can attain 15 m. Because the density of the Upper DE is higher than the Basal DE, the two DE layers are blended in the quarry before trucking. Although the medial carbonaceous shale is rich in fulvic and humic acids, it is not presently marketable and instead is used along with topsoil to provide an excellent growing medium to enhance reclamation.

4. MINING PROGRAM

In 1982, DEM started quarrying in the Main Pit area (Figure 3). Because litigation tied up the Bepple Pit area, quarrying proceeded westward into the West Pit area (Figure 4) and eventually into the Northwest Pit (Figure 5) before access became available to the Bepple Pit area (Figure 6). In the Main Pit area, an area of only 0.92 hectares of Basal Diatomaceous Earth resource and 0.12 hectares of Upper Diatomaceous Earth resource remain (Figure 3). In West Pit, an area of only 0.30 hectares of Basal Diatomaceous Earth resource exists (Figure 4). In the Northwest Pit, the cleared area of 7.47 hectares covers a potential resource of Basal and Upper diatomaceous earth spanning the length and breadth of the pit (Figure 5). An area of 1.87 hectares presently produces Upper Diatomaceous Earth and an area of 0.44 hectares has been stripped ready to produce Upper and Basal diatomaceous earth in 2014. In Bepple Pit, an area of 1.05 hectares has a resource potential for Basal Diatomaceous Earth and an area of 0.97 hectares is currently producing Upper Diatomaceous Earth (Figure 6). The combined cleared and stripped areas of 13.57 hectares have a resource potential for both Upper and Basal diatomaceous earth layers. All of this information is summarized in Table 1 (Table 1A is the required table BC Ministry Reclamation Table).

In 2014, the mining program concentrated on production from the Northwest and Bepple pits.

In the next five years, in the Main Pit:

- Removal of the Basal Diatomaceous Earth resource from an area of 0.92 hectares in the northeast corner of the pit area.
- Use of the waste and medial leonardite stockpiles at the south edge of the pit area.
- This year, more of the southern mine haul road was deactivated and rehabilitated.
- Mining of the Basal Diatomaceous Earth is still required.

- The north edge of the reclaimed area will be used for waste and topsoil piles from quarrying the southern portion of the Bepple Pit.

Table 1: Details of Disturbed and Reclaimed Areas as of November 17, 2014
Compared to 2012 (blue) and 2013 (green)

	MINING AREA (hectares)					RECLAIMED AREA (hectares)				
DISTURBANCE	Main Pit	West Pit	NW Pit	Bepple Pit	TOTALS	Main Pit	West Pit	NW Pit	Bepple Pit	TOTALS
Waste Pile (2014)	1.23	0.00	0.00	0.00	1.23	**5.37**	**9.31**	**0.80**	**0.44**	**15.66**
Topsoil Pile	0.57	0.00	0.01	0.06	0.64	4.70	9.06	0.78	0.67	15.21
Tailings Ponds	0.00	0.00	0.00	0.00	0.00	4.70	9.06	0.78	0.67	15.21
Plant Site	0.04	0.00	0.00	0.01	0.05					
Roads	1.43	0.01	0.51	0.13	2.08					
Totals (2014)	**3.27**	**0.01**	**0.52**	**0.19**	**4.00**					
Totals (2013)	**3.43**	**0.26**	**0.34**	**0.07**	**4.10**					
Totals (2012)	**3.43**	**0.26**	**0.34**	**0.07**	**4.09**					
						VEGETATED AREA CLEARED OF TREES				
Active Mining						Main Pit	West Pit	NW Pit	Bepple Pit	TOTALS
Stripped (2014)	**0.00**	**0.00**	**0.44**	**0.44**	**0.88**	**0.39**	**0.00**	**7.47**	**13.11**	**20.97**
Stripped (2013)	0.00	0.00	0.45	0.44	0.89	0.38	0.00	7.47	13.11	20.96
Stripped (2012)	0.00	0.00	0.74	0.00	0.74	0.49	0.00	7.66	14.29	22.44
Upper DE (2014)	**0.11**	**0.00**	**1.87**	**0.97**	**2.95**					
Upper DE (2013)	0.12	0.00	1.57	1.10	2.79					
Upper DE (2012)	0.01	0.00	1.38	0.42	1.81					
Medial Leon. (2014)	**0.59**	**0.00**	**0.00**	**0.97**	**1.56**					
Medial Leon. (2014)	0.56	0.00	0.18	0.84	1.58					
Medial Leon.(2012)	0.56	0.00	0.10	0.78	1.44					
Basal DE (2014)	**0.36**	**0.30**	**0.03**	**0.08**	**0.73**					
Basal DE (2013)	0.36	0.26	0.03	0.08	0.73					
Basal DE (2012)	0.36	0.26	0.03	0.09	0.74					
Basal Leon. (2014)	**0.00**	**0.04**	**0.00**	**0.00**	**0.04**					
Basal Leon. (2013)	0.00	0.04	0.00	0.00	0.04					
Basal Leon. (2012)	0.00	0.04	0.00	0.00	0.04					
Totals (2014)	**1.06**	**0.34**	**2.34**	**2.46**	**6.20**					
Totals (2013)	1.04	0.30	2.23	2.46	6.03	NATURAL STATE				
Totals (2012)	0.93	0.30	2.25	1.29	4.77	Main Pit	West Pit	NW Pit	Bepple Pit	TOTALS
						5.98	**6.27**	**0.01**	**0.00**	**12.26**
Stockpiles						5.98	6.27	0.01	0.00	12.26
Upper DE	0.15	0.00	0.48	0.10	0.73	5.98	6.27	0.01	0.00	12.26
Medial Leonardite	0.51	0.00	0.00	0.00	0.51					
Basal DE	0.15	0.03	0.09	0.00	0.27					
Totals (2014)	**0.81**	**0.03**	**0.96**	**0.10**	**1.51**					
GRAND TOTALS (2014)	**5.14**	**0.38**	**3.82**	**2.75**	**11.71**					
TOTALS (2013)	**5.28**	**0.63**	**3.53**	**2.63**	**12.07**					
TOTALS (2012)	**5.17**	**0.63**	**3.55**	**1.44**	**10.78**					

In the West Pit:

- In the southern part of the pit, removal of the Basal Diatomaceous Earth resource underlying an area of 0.33 hectares still remains undone.
- The haul road has been rehabilitated.
- Completion of the above will complete the mining and reclamation of the West Pit.

- **TABLE 1A**
- **SUMMARY OF AREAS DISTURBED AND RECLAIMED TO DECEMBER 31, 2014**
- **COMPANY:_ABSORBENT PRODUCTS LTD_____ PERMIT NO.:_Q-15-006_____**

DISTURBANCE	MINING		RECLAMATION								
	AREA DISTURBED (ha)		AREA RECONTOURED (ha)		AREA SEEDED/PLANTED (ha)		AREA FERTILIZED (ha)		AREA REVEGETATED* (ha)		LAND USE OBJECTIVE**
	2014	TOTAL***	2014	TOTAL***	2014	TOTAL***	2014	TOTAL***	2014	TOTAL***	
WASTE DUMPS	0.00	1.87							0.23	1.80	GRAZING
TAILINGS PONDS	0.00	0.00							0.00	0.00	GRAZING
PLANT SITE	0.00..	0.05							0.00	0.00	GRAZING
ROADS	0.00	2.08									
ADMINISTRATION	0.00	0.00							0.00	0.00	GRAZING
PIT	0.17	6.20							0.45	13.86	GRAZING
STOCKPILES	0.00	1.51							0.00	0.00	GRAZING
LINEAR											

OTHER											
TOTAL		11.71							0.68	15.66	GRAZING

-

EXEMPT e.g., pit high walls	

ha

-
- * In order for an area to be recorded as “revegetated”, it must have supported vegetation that will lead to the designated land use objective for at least one year. Please provide monitoring data in the Annual Reclamation Report to support the areas reported here.
- ** Specify land use. Options include: forestry, grazing, wildlife habitat, recreation, agricultural, industrial, residential, and other.
- *** Total up to December 31, 2014

In the Northwest Pit:

- Development of the Basal and Upper Diatomaceous Earth resources in the south half of the pit area.
- Placement of waste and topsoil piles on the basement high which separates Northwest Pit from Bepple Pit.
- The main Upper diatomaceous earth stockpile has been reduced by 0.39 hectares to 0.48 hectares

In Bepple Pit:

- North to northeastward progress of the working face in Upper and Basal diatomaceous earth layers has increased the medial leonardite layer from 0.84 hectares to 0.97 hectares
- Definition of the outlines of the Miocene basalt cap erosional remnant and a decision as to whether it is economic to remove is still pending
- Use of the topsoil and waste pile from the northern part of the Main Pit.

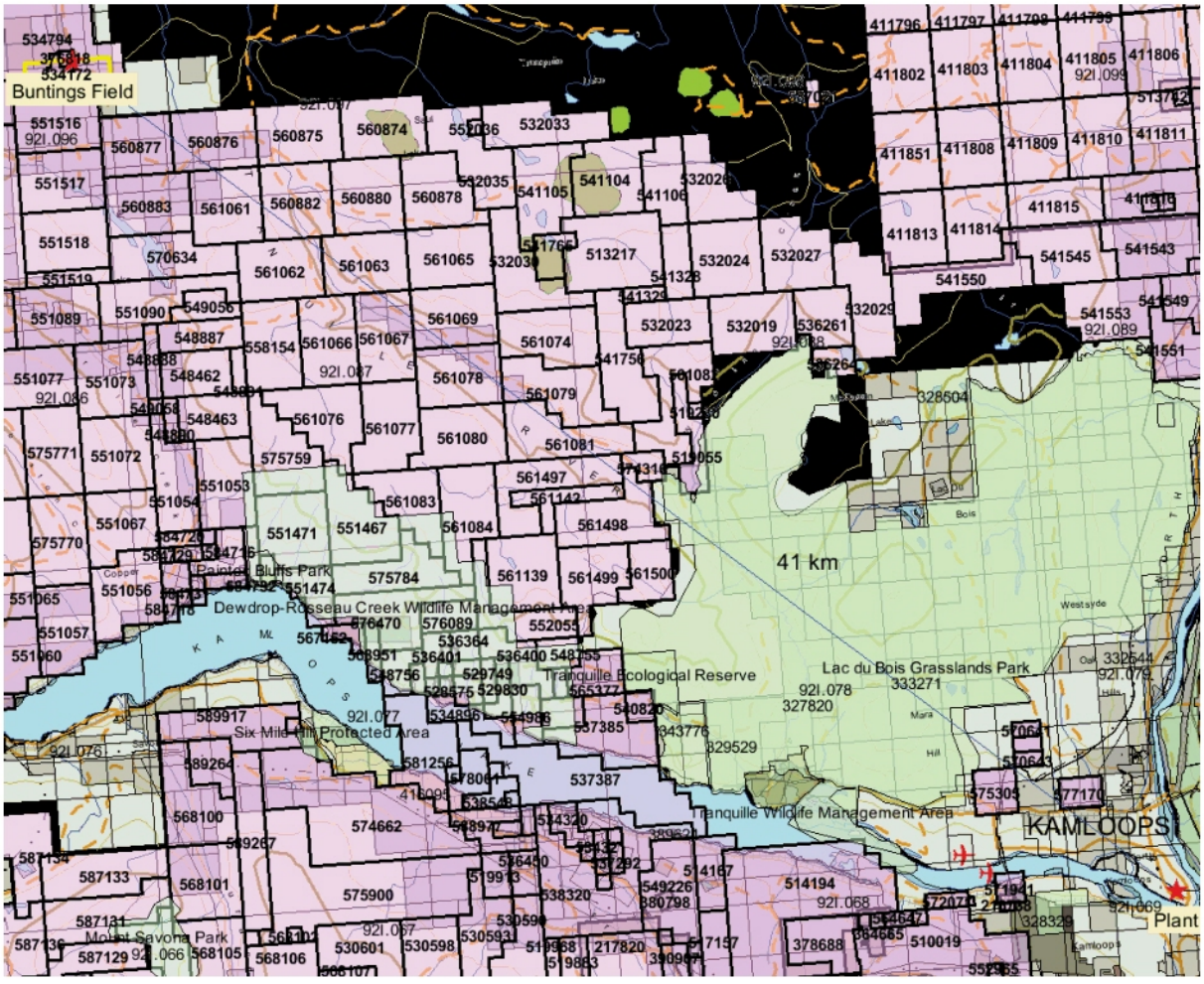


Figure 1: Location map of the Red Lake Quarry which lies immediately west of Bunting's Field.

- Placement of topsoil and waste piles on the basement high which separates Northwest Pit from Bepple Pit.

5. RECLAMATION PROGRAM

The past year's reclamation program concentrated again on the basement high which separates Northwest Pit from Bepple Pit and involves 0.97 hectares, in which the ground level was raised by backfilling with waste. Decommissioning and rehabilitation of the southern haul road, shown in Read (2012, Figures 3 and 4), is complete. The drainage ditches shown in the West Pit area were maintained. These ditches have water flow during spring runoff only. As the topsoil, waste and stockpiles of diatomaceous earth and leonardite contain no acid-generating materials; neither the piles nor drainage waters from the quarry are subject to any special treatment. Table 5 gives the pH results taken monthly for the past ten months and Table 2 gives the trace element analyses for the last four quarters all taken from the Red Lake Diatomaceous Earth products produced at Absorbent Products Ltd plant at Kamloops, B.C.

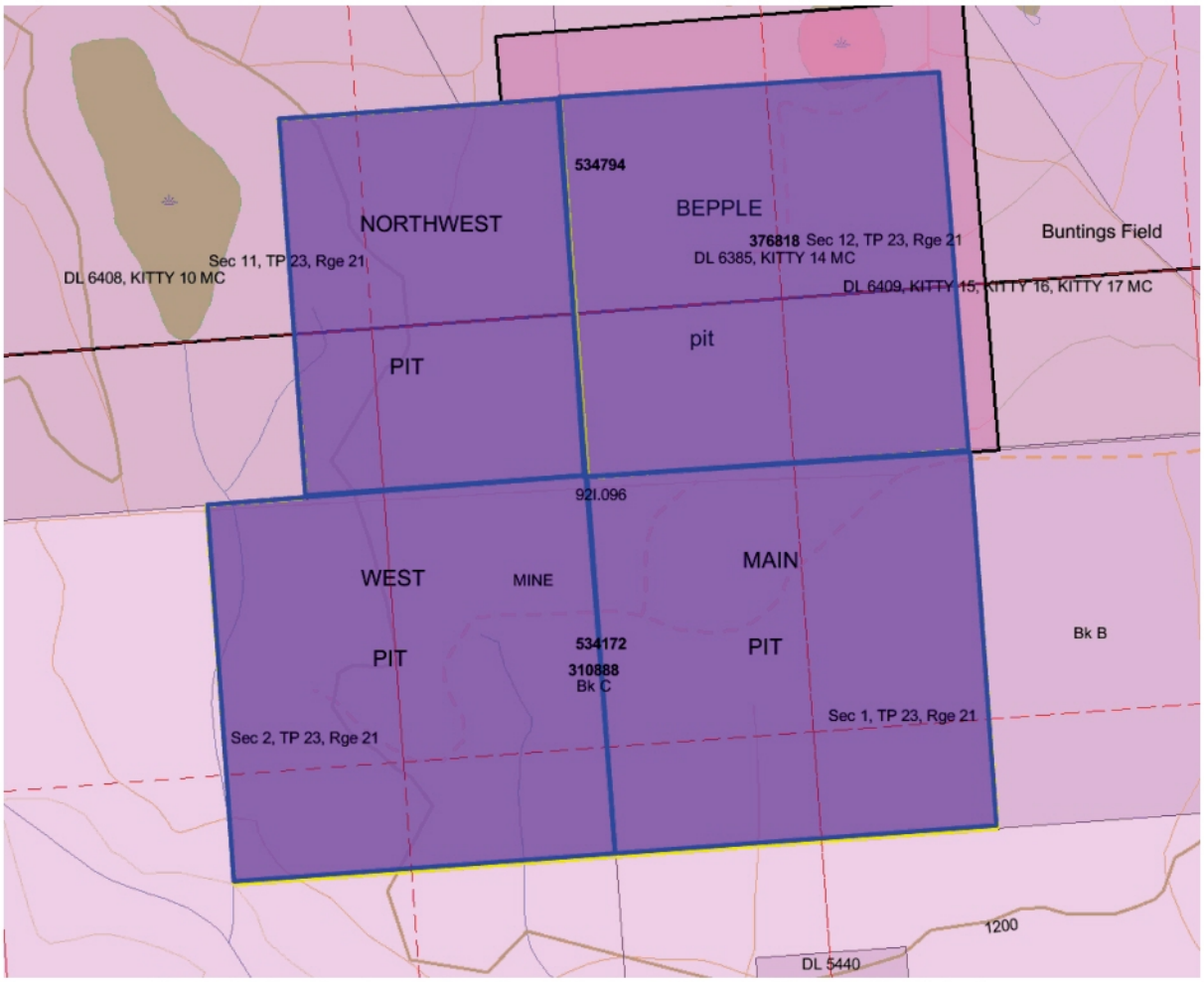


Figure 2: Map showing the location of the four pits comprising the Red Lake Quarry

Table 1 shows the total disturbed area for the Red Lake quarry broken down into the four pit areas. It is quantitatively accurate to 0.01 hectares. It can be compared with Tables 1 in Read (2012 and 2013), but cannot be compared to earlier Tables 1 in Beresford reclamation reports because the areas in these reports were "guesstimates" only and are not quantitatively correct. In addition, Table 1 shows the reclaimed area broken down into the pit areas, which can be compared to Tables 1 in Read (2012 and 2013). However, it cannot be compared to earlier tables by Beresford, which are grossly inaccurate. Where significant differences exist between 2012 (blue) and 2013 (green) compared with 2014 (black) data, Table 1 shows the values. The differences are mainly due to the decommissioning and reclamation of the southern haul road through Red Lake and West pits. These are reflected in the positive changes in reclaimed ground from 4.70 Ha (2012) to 5.21 ha (2013), and 9.06 ha (2012) to 9.31 ha (2013) in Main and West pits respectively. The large decrease in vegetated area of cleared of trees between 2012 (22.44 ha) and 2013 (20.96 ha) of 1.48 ha results mostly from stripping either to overburden or Upper Diatomaceous Earth in Bepple Pit. In this pit, the change in active mining of Upper DE between 2012 (0.42 ha) to 1.10 ha (2013) and the lack of change of active mining of medial leonardite between 2012 (0.78 ha) and 2013 (0.84 ha) disguises the fact that most of the mining surface of the Upper DE is now within a metre of the top of the medial leonardite layer. By early 2014, much of the active mining surface in the Upper DE category will change to Medial Leonardite with an underlying thick Basal DE resource.

The reclamation program for the next five years will involve the following:

In the Main Pit:

- Reclamation of an area of 0.92 hectares underlain by Basal Diatomaceous Earth (not done yet).
- Reclamation of the repositioned haul road involving an area of 0.50 hectares (completed 2013).
- Use of the northern portion of the reclaimed Main Pit for topsoil and waste pile derived from the northward progress of mining in Bepple Pit (not done yet).

In the West Pit:

- Reclamation of an area of 0.37 hectares underlain by Basal Diatomaceous Earth (not done in 2013).
- Reclamation of an area of 0.25 hectares resulting from the repositioning of the haul road (done in 2013).

In the Northwest Pit:

- Continued reclamation of the southern part of the Northwest Pit as quarrying proceeds northward (in 2013 west end of southern haul road decommissioned).
- The rate of reclamation will depend upon the northward rate of mining which will probably reach approximately 5650N in five years.

In Bepple Pit:

- Continued reclamation of the southwest corner of Bepple Pit as mining progresses northward to approximately 5530N in five years (continuing in 2013).
- The rate of reclamation will depend upon the rate of mining which will probably reach a depth of 15 m at the eastern end and whether or not a covering basalt cap can be removed.
- Placement of topsoil and waste piles on the basement high which separates Northwest Pit from Bepple Pit.

The drainage ditches shown in the West Pit area were maintained. These ditches have water flow only during spring runoff. As the topsoil, waste and stockpiles of diatomaceous earth and leonardite contain no acid-generating materials; neither the piles nor drainage waters from the quarry are subject to any special treatment. Table 2 gives the trace element analyses for the last four quarters taken on the Red Lake Diatomaceous Earth and Table 5, the pH results taken monthly for the past eleven months.

Figure 3: Main Pit, November 17, 2014 at 1:2000-scale

Figure 4: West Pit, November 17, 2014 at 1:2000-scale.

Figure 5: Northwest Pit, November 17, 2014 at 1:2000-scale.

Figure 6: Bepple Pit, November 17, 2014 at 1:2000-scale

Table 2: 2014 Quarterly Composites and Annual Average of Red Lake Trace Element Analyses

Element Reading	Jan-14	Apr-14	Jul-14	Oct-14	Yearly Average
	Reg. DE	Reg. DE	Reg. DE	Reg. DE	2014
Ag ppm	0.11	0.11	0.13	0.11	0.12
Al %	6.53	6.55	6.93	7.21	6.81
As ppm	7.10	7.70	7.50	8.00	7.58
Ba ppm	260	250	260	290	265
Be ppm	1.25	1.24	1.31	1.23	1.26
Bi ppm	0.19	0.18	0.19	0.21	0.19
Ca %	0.60	0.58	0.65	0.67	0.63
Cd ppm	0.20	19.00	0.18	0.16	4.89
Ce ppm	38.8	42.4	39.3	37.8	39.6
Co ppm	14.1	14.7	12.8	13.0	13.7
Cr ppm	42	40	43	43	42
Cs ppm	2.33	2.35	2.30	2.37	2.34
Cu ppm	39.9	40.9	40.2	42.6	40.9
Fe %	3.02	2.97	3.14	3.37	3.13
Ga ppm	15.9	16.3	16.3	16.5	16.2
Ge ppm	0.10	0.12	0.10	0.10	0.11
Hf ppm	4.1	3.6	3.5	3.6	3.7
Hg ppm	0.14	0.13	0.13	0.11	0.13
In ppm	0.053	0.059	0.059	0.051	0.056
K %	0.46	0.46	0.47	0.51	0.48
La ppm	18.8	20.0	19.6	17.7	19.0
Li ppm	20.5	19.1	21.2	20.7	20.4
Mg %	0.44	0.43	0.44	0.44	0.44
Mn ppm	126	116	144	120	127
Mo ppm	12.30	10.70	11.35	10.60	11.24
Na %	0.47	0.43	0.46	0.51	0.47
Nb ppm	9.3	9.7	9.5	10.0	9.6
Ni ppm	29.2	29.8	26.6	24.8	27.6
P ppm	260	280	270	300	278
Pb ppm	9.0	10.0	11.2	10.1	10.1
Rb ppm	30.3	31.6	31.2	33.0	31.5
Re ppm	0.005	0.004	0.005	0.006	0.005
S %	0.22	0.28	0.21	0.17	0.22
Sb ppm	0.67	0.72	0.88	0.71	0.75
Sc ppm	12.9	12.8	13.0	13.5	13.1
Se ppm	3	3	3	2	3
Sn ppm	1.3	1.3	1.4	1.3	1.3
Sr ppm	113.5	113.0	121.5	126.5	118.6
Ta ppm	0.63	0.63	0.63	0.63	0.63
Te ppm	0.07	0.08	0.09	0.06	0.08
Th ppm	4.7	4.9	5.1	4.8	4.9
Ti %	0.348	0.340	0.349	0.379	0.354
Tl ppm	0.48	0.43	0.45	0.41	0.44
U ppm	2.1	2.0	2.2	2.3	2.2
V ppm	103	104	108	114	107
W ppm	0.8	0.8	0.8	0.9	0.8
Y ppm	18.6	20.1	18.0	17.2	18.5
Zn ppm	79	76	77	84	79
Zr ppm	133.0	135.0	137.5	147.5	138.3

6. RECLAMATION LIABILITY COSTS

Sequenced mining and reclamation development plans were approved under Permit Q-15-006 in October 2000 and have been followed. Continuing reclamation has been carried out since commencement of backfill and grading in 2001. APL utilizes its own earth moving equipment to backfill and grade the mined out areas. The majority of the area requiring backfill and grading is included in the diatomaceous earth production costs if overburden is being moved as part of the mining process. When overburden is moved separately and piled or pushed onto the mined out areas from existing pile, then this cost is separated out as a direct reclamation cost. APL has allowed $5,500 per hectare for the direct reclamation costs based on previous experience of actual costs at the quarry over the past 12 years. Based on the APL reclamation cost of $5725/hectare, which includes grass seed (Table 3), and its distribution, and the amount of unreclaimed area of 11.71 hectares (Table 1), the current reclamation security bonding of $70,000.00 is sufficient to cover the cost of reclaiming the present 11.71 hectares of disturbed land (Table 4). The summary of material costs is given in Table 4.

Table 3: Summary Table of Material Costs

Project Name:	Red Lake Quarry
Permit #:	
Costing Year:	

Mine Activity Category	AREA (ha) Total Disturbed	Perm. Disturb.	Current Reclaimed	To be Reclaimed	RECLAMATION PRESCRIPTION Site Preparation	Revegetation	Maintenance	Total Cost
AREA DISTURBANCE								
Dump Face Resloping								
Resloped				0	$0	$0	$0	$0
Master 1				0	$64,405	$0	$0	$64,405
Master 2				0	$0	$0	$0	$0
Master 3				0	$0	$0	$0	$0
Master 4				0	$0	$0	$0	$0
Master 5				0	$0	$0	$0	$0
Master 6				0	$0	$0	$0	$0
Master 7				0	$0	$0	$0	$0
Master 8				0	$0	$0	$0	$0
Master 9				0	$0	$0	$0	$0
Master 10				0	$0	$0	$0	$0
Master 11				0	$0	$0	$0	$0
Master 12				0	$0	$0	$0	$0
Master 13				0	$0	$0	$0	$0
Master 14				0	$0	$0	$0	$0
TOTAL	0.00	0.00	0.00	0.00	$64,405	$0	$0	$64,405
LUMP SUM ITEMS								
ARD Capital Costs								$0
Mill Building								$0
Admin. Building								$0
Mill								$0
Silos								$0
Structures								$0
Power line								$0
Conveyor								$0
Stockpiles								$0
Sealing of Openings								$0
Hauling--Surface Materials								$0
Optional Item 1								$0
Optional Item 2								$0
Optional Item 3								$0
Optional Item 4								$0
Optional Item 5								$0
Optional Item 6								$0
Optional Item 7								$0
POST CLOSURE COSTS								$0
Present Value								$0
TOTAL								$64,405

Table 4: Summary Table of Reclamation Liability Costs

Project Name:	Red Lake Quarry
Reclamation Permit #:	0
Disturbance Category:	Master 1
Area to be reclaimed	0
Additional Notes:	

RECLAMATION PRESCRIPTIONS

A. Site Preparation	Area (ha)	Unit Cost $/ha or km	Item Subtotal $	TOTAL $
Recontouring (max. ht. of 10m)			$0	
Surfacing Material				
Haul				
Spread	11.71	$5,500	$64,405	
Compact			$0	
Ripping			$0	
optional			$0	
optional			$0	
optional			$0	
optional			$0	
optional			$0	
optional			$0	
optional			$0	
optional			$0	
				$64,405

B. Revegetation	Area (ha)	Application Rate (kg/ha)	No. of Kg.	Appl. Cost $/ha	Unit Cost $/ha	Item Subtotal $	Subtotal $	TOTAL$
Aerial Broadcast - application					$0	$0		
Seed	11.71	150	1757		$0	$0		
Fertilizer			0		$0	$0		
							$0	
Tractor - application					$0	$0		
Seed			0		$0	$0		
Fertilizer			0		$0	$0		
							$0	
Hydroseed								
Hydroseed - application					$0	$0		
Seed			0		$0	$0		
Fertilizer			0		$0	$0		
Mulch			0		$0	$0		
Tackifier			0		$0	$0		
							$0	
optional - application			0		$0	$0		
optional -material 1			0		$0	$0		
optional - material 2			0		$0	$0		
							$0	

Woody species	Area (ha)	Appl. Rate (stems/ha)	No. of Plants	Appl. Cost $/stem	Unit Cost $/ha	Item Subtotal $		
Plant Installation					$0	$0		
Seedlings			0		$0	$0		
Fertilizer tablets			0		$0	$0		
Plant protectors (installed)			0		$0	$0		
optional - material 3			0		$0	$0		
optional - material 4			0		$0	$0	$0	
								$0

C. Maintenance	Years	Area (ha)	Application Rate (kg/ha)	No. of Kg.	Appl. Cost $/ha	Unit Cost $/ha	Subtotal $ per year	Subtotal $	TOTAL$
Aerial Broadcast - application						$0	$0		
Seed				0		$0	$0		
Fertilizer				0		$0	$0		
								$0	
Tractor - application						$0	$0		
Seed				0		$0	$0		
Fertilizer				0		$0	$0		
								$0	
Hydroseed									
Hydroseed - application						$0	$0		
Seed				0		$0	$0		
Fertilizer				0		$0	$0		
Mulch				0		$0	$0		
Tackifier				0		$0	$0		
								$0	
optional - application				0		$0	$0		
optional - maint.material 1				0		$0	$0		
optional - maint.material 2				0		$0	$0		
								$0	
									$0

Total Cost for Reclamation Prescriptions	$64,405

7. ACID ROCK DRAINAGE POTENTIAL

The diatomaceous earth quarried by APL is non-acid generating with a pH that lies between 5.44 and 6.28 and averages 5.87 based on monthly results between December 2013 and November 2014 (Table 5). From the West pit, the ephemeral spring runoff is directed toward a small settling pond slightly east of the centre of the West Pit. From this pond a drainage ditch leads to the west where it is joined by a south-draining ditch from Northwest Pit and both drain to a naturally vegetated gully on the west side of West Pit (Figure 4). The same information is summarized in the B.C. Ministry's Table 2.

Table 5: Monthly pH's of Red Lake Diatomaceous Earth (December 2013 to November 2014)

Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14
DE 4/18	DE 4/18	DE 4/18	DE 4/18	DE 4/18	DE 4/18	DE 4/18	DE 4/18	DE 4/18	DE 4/18	DE 4/18	DE 4/18
5.51	6.05	5.85	6.28	6.28	5.95	5.54	5.44	5.52	5.48	5.45	5.62

8. REFERENCES

Read, P. B. (2012):

Annual Reclamation Report for the Year 2012, Mine Permit Q-15-006, Mining Lease 310888, Red Lake Quarry; unpublished report Geotex Consultants Limited, 14 p.

Read, P. B. (2013):

Annual Reclamation Report for the Year 2013, Mine Permit Q-15-006, Mining Lease 310888, Red Lake Quarry; unpublished report Geotex Consultants Limited, 14 p.

TABLE 2A

QUANTITIES OF WASTE ROCK, TAILINGS, LOW GRADE ORE, COARSE REJECT AND OTHER MINE WASTE AS OF DECEMBER 31, 2014

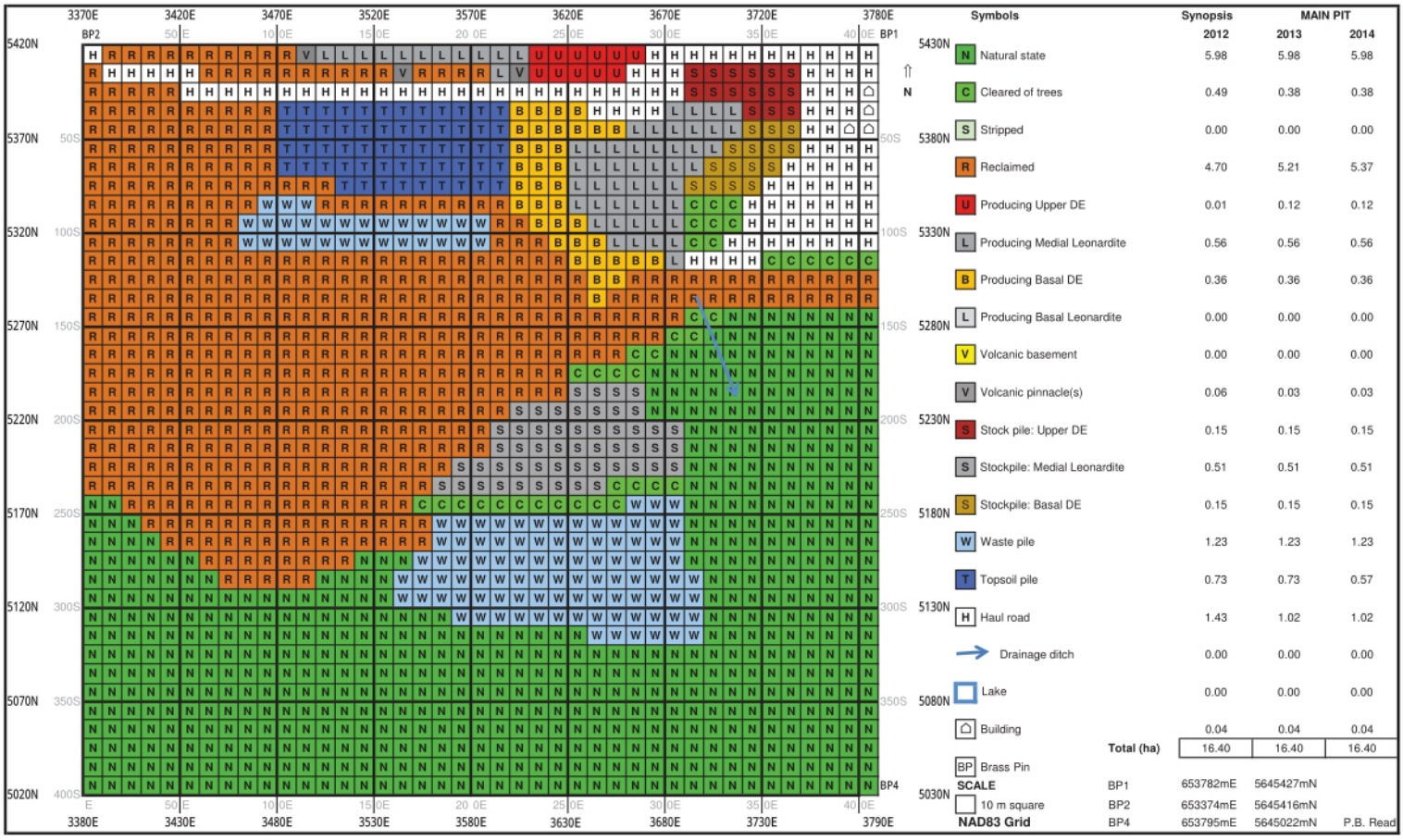
COMPANY: ____ABSORBENT [PRODUCTS LTD_____ PERMIT NO.:_Q-15-006

Use the space below to enter information for each waste dump, tailings pond or low grade ore pile. All quantities should be given in tonnes.

Name of Waste Pile or Pond	Acid Generating Waste		Potentially Acid Generating Waste		Non-Acid Generating Waste	
Waste Dumps	2014	Total	2014	Total	2014	Total
1	0.00	0.00	0.00	0.00	1.87	1.87
2						
3						
4						
5						
Total						
Tailings Ponds						
1	0.00	0.00	0.00	0.00	0.00	0.00
2						
3						
4						
5						
Total						
Low Grade Ore/Coarse Reject/Other Mine Waste						
1	0.00	0.00	0.00	0.00	0.00	0.00
2						

3						
4						
5						
Total	0.00	0.00	0.00	0.00	1.87	1.87

MAIN PIT - 2014



Symbols		Synopsis 2012	MAIN PIT 2013	2014
N	Natural state	5.98	5.98	5.98
C	Cleared of trees	0.49	0.38	0.38
S	Stripped	0.00	0.00	0.00
R	Reclaimed	4.70	5.21	5.37
U	Producing Upper DE	0.01	0.12	0.12
L	Producing Medial Leonardite	0.56	0.56	0.56
B	Producing Basal DE	0.36	0.36	0.36
L	Producing Basal Leonardite	0.00	0.00	0.00
V	Volcanic basement	0.00	0.00	0.00
V	Volcanic pinnacle(s)	0.06	0.03	0.03
S	Stock pile: Upper DE	0.15	0.15	0.15
S	Stockpile: Medial Leonardite	0.51	0.51	0.51
S	Stockpile: Basal DE	0.15	0.15	0.15
W	Waste pile	1.23	1.23	1.23
T	Topsoil pile	0.73	0.73	0.57
H	Haul road	1.43	1.02	1.02
	Drainage ditch	0.00	0.00	0.00
	Lake	0.00	0.00	0.00
	Building	0.04	0.04	0.04
	Total (ha)	16.40	16.40	16.40
BP	Brass Pin			
SCALE				
	10 m square			
NAD83 Grid				

BP1	653782mE	5645427mN	
BP2	653374mE	5645416mN	
BP4	653795mE	5645022mN	P.B. Read

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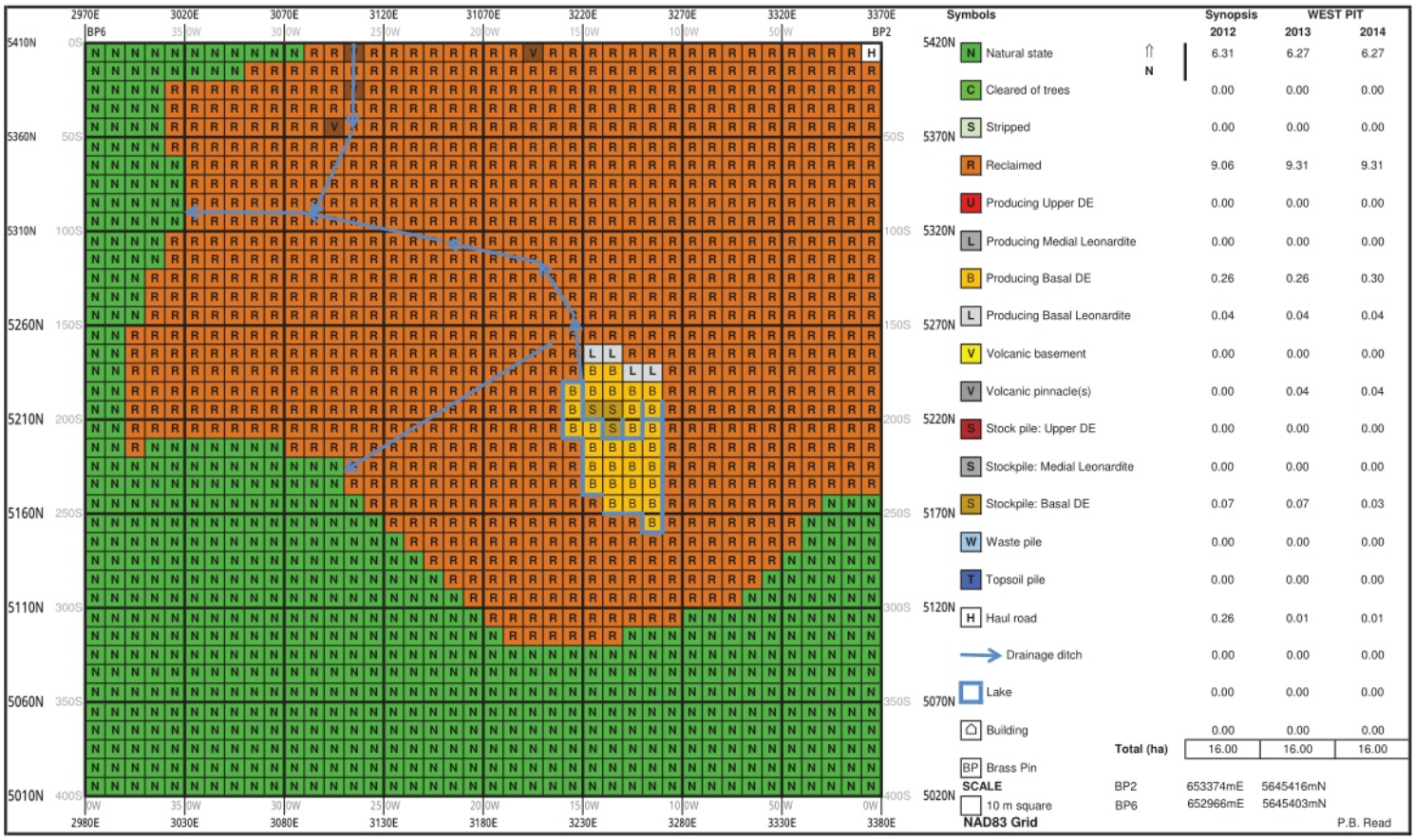
WEST PIT - 2014



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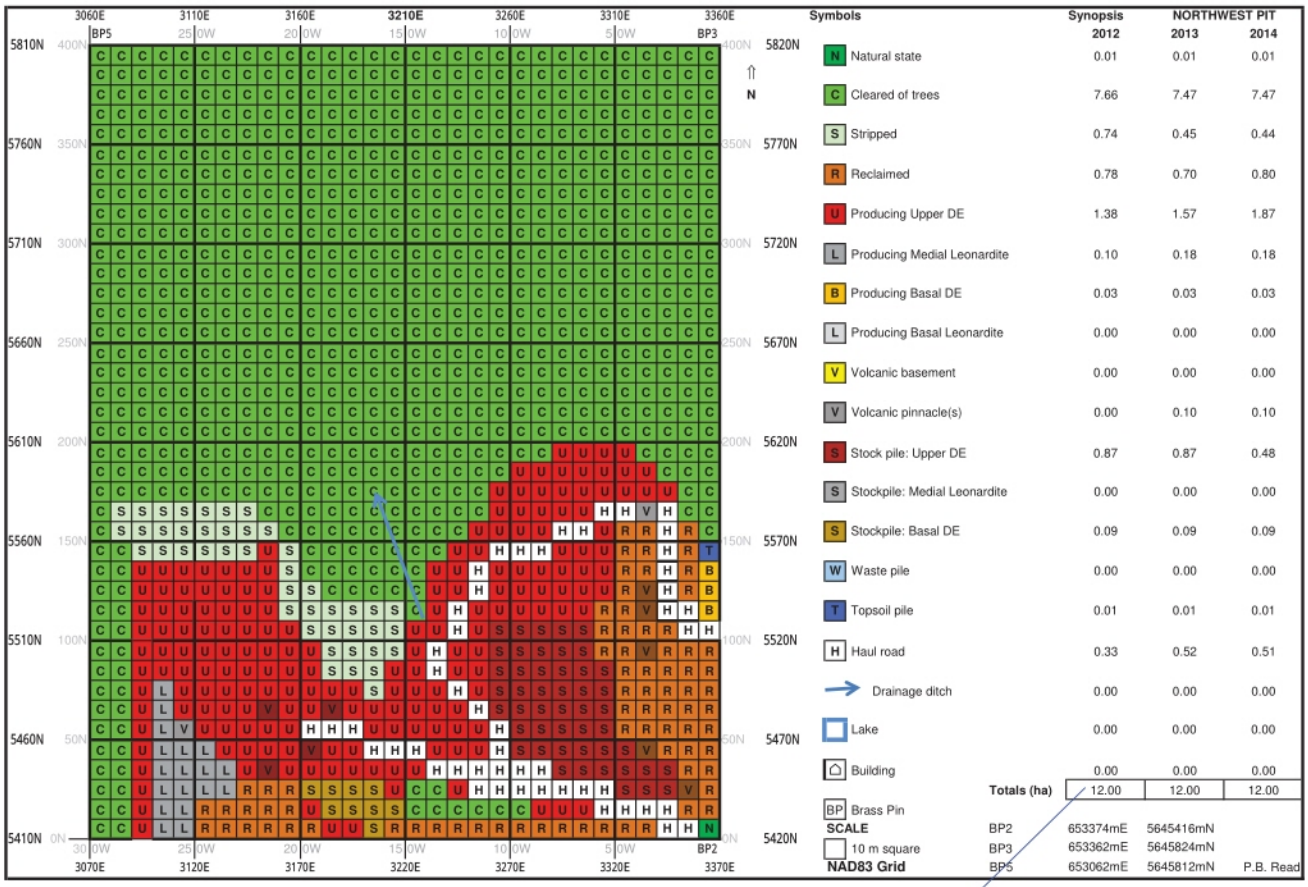
NORTHWEST PIT - 2014



Symbols		Synopsis 2012	NORTHWEST PIT 2013	2014
N	Natural state	0.01	0.01	0.01
C	Cleared of trees	7.66	7.47	7.47
S	Stripped	0.74	0.45	0.44
R	Reclaimed	0.78	0.70	0.80
U	Producing Upper DE	1.38	1.57	1.87
L	Producing Medial Leonardite	0.10	0.18	0.18
B	Producing Basal DE	0.03	0.03	0.03
L	Producing Basal Leonardite	0.00	0.00	0.00
V	Volcanic basement	0.00	0.00	0.00
V	Volcanic pinnacle(s)	0.00	0.10	0.10
S	Stock pile: Upper DE	0.87	0.87	0.48
S	Stockpile: Medial Leonardite	0.00	0.00	0.00
S	Stockpile: Basal DE	0.09	0.09	0.09
W	Waste pile	0.00	0.00	0.00
T	Topsoil pile	0.01	0.01	0.01
H	Haul road	0.33	0.52	0.51
	Drainage ditch	0.00	0.00	0.00
	Lake	0.00	0.00	0.00
	Building	0.00	0.00	0.00
	Totals (ha)	12.00	12.00	12.00
BP	Brass Pin			
SCALE		BP2	653374mE	5645416mN
	10 m square	BP3	653362mE	5645824mN
NAD83 Grid		BP5	653062mE	5645812mN P.B. Read

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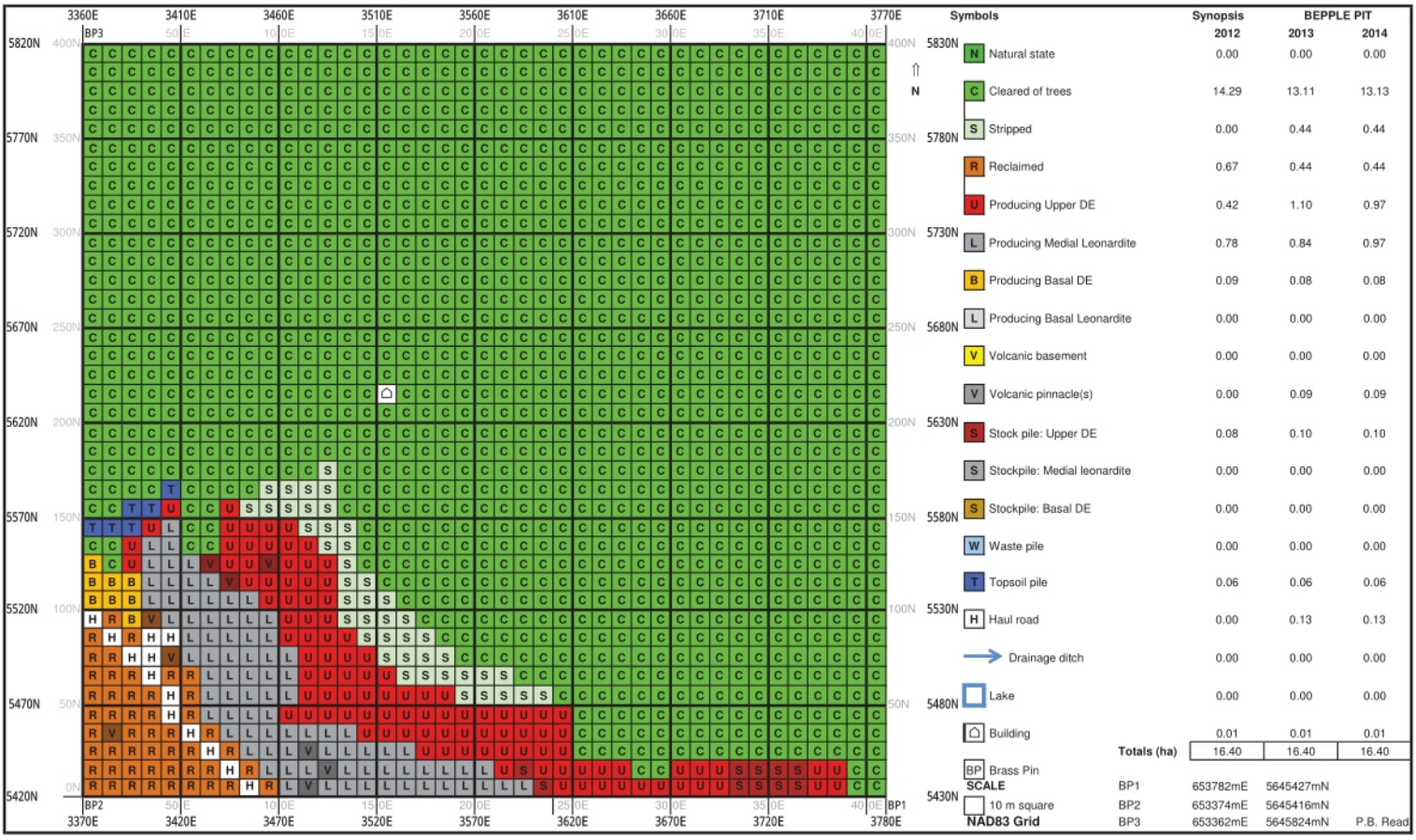
BEPPLE PIT - 2014



	Synopsis 2012	BEPPLE PIT 2013	2014
Natural state	0.00	0.00	0.00
Cleared of trees	14.29	13.11	13.13
Stripped	0.00	0.44	0.44
Reclaimed	0.67	0.44	0.44
Producing Upper DE	0.42	1.10	0.97
Producing Medial Leonardite	0.78	0.84	0.97
Producing Basal DE	0.09	0.08	0.08
Producing Basal Leonardite	0.00	0.00	0.00
Volcanic basement	0.00	0.00	0.00
Volcanic pinnacle(s)	0.00	0.09	0.09
Stock pile: Upper DE	0.08	0.10	0.10
Stockpile: Medial leonardite	0.00	0.00	0.00
Stockpile: Basal DE	0.00	0.00	0.00
Waste pile	0.00	0.00	0.00
Topsoil pile	0.06	0.06	0.06
Haul road	0.00	0.13	0.13
Drainage ditch	0.00	0.00	0.00
Lake	0.00	0.00	0.00
Building	0.01	0.01	0.01
Totals (ha)	16.40	16.40	16.40

BP1	653782mE	5645427mN	
BP2	653374mE	5645416mN	
BP3	653362mE	5645824mN	P.B. Read

10:10 AM 2015-08-28

Notice of Work

1500021 - Red Lake Quarry

Tracking Number: 100129095

APPLICANT INFORMATION

Name:	Absorbent Products Ltd
Doing Business As:	Absorbent Products Ltd
Phone:	250-372-1600 ext. 111
Fax:	250-372-3777
Email:	sgurney@absorbentproductsltd.com
BC Incorporation Number:	BC0712398
Extra Provincial Inc. No:	
Society Number:	
GST Registration Number:	859114233
Contact Name:	Steve Gurney
Mailing Address:	724 Sarcee Avenue E Kamloops BC V2N1E7

SUBMITTED BY

You have indicated in Step 2 - Setup that you are applying on behalf of the applicant. Please provide us with your name, address, and contact information.

Type of Submitter:	Consultant
Name:	Peter Read
Phone:	604-738-6836
Daytime Phone:	604-681-4643
Fax:	604-681-0731
Email:	s.22
Mailing Address:	
	Vancouver s.22
Letter(s) Attached:	Yes (LetterofAuthorization.pdf)

SETUP QUESTIONS

The APPLICANT is the Individual(s) or Organization to whom the authorization will be issued, if approved. Before choosing your answer, please click on the HELP ICON (?) beside each question.

Are you an individual or an organization?	Individual
Are you applying on behalf of the applicant?	Yes
Relationship to the applicant:	Consultant
Is the applicant an individual or an organization?	Organization

TECHNICAL INFORMATION

APPLICATION INFORMATION

Type of Notice of Work:	Quarry - Industrial Mineral
Is this a New Permit or an Amendment to an existing permit for this property?	Amendment

MINE INFORMATION

Do you have an existing mine number?	Yes	**Mine Number:**	1500021
Name of the property:	Red Lake Quarry		
Tenure Numbers:	Mining Leases 310888 and 376818		
Crown Grant / District Lot Numbers:			

Directions to site from nearest municipality: From Kamloops take the Tranquille Road (paved) to the Tranquille Valley gravel road, cross railway tracks and proceed to its intersection with the Criss Creek Forestry Access Road and turn (right) to the north and proceed to the mine site.

Geographic Coordinates of Mine: **Latitude:** 50.9400000 **Longitude:** -120.8170000

INFORMATION ABOUT PROPOSED ACTIVITIES

Activities to be undertaken: Sand & Gravel / Quarry Operations

FIRST AID

Proposed First Aid equipment on site: see attached document under "Emergency Response Plan" of Absorbent Products Ltd Emergency Response Plan

Level of First Aid Certificate held by attendant: Occupational First Aid Level 1 with Transportation Endorsement

DESCRIPTION OF WORK PROGRAM

If you prefer to upload a document, please enter "see attached document" and attach the document in the "Document Upload" step later in the application under "Other".

Sufficient details of your work program to enable a good understanding of the types and scope of the activities that will be conducted:

see attached document

TIME OF PROPOSED ACTIVITIES

Proposed start and end date: May 31, 2015 to May 31, 2020

Please remember that you need to give 10 days notice to the Inspector of Mines of your intention to start work, and 7 days notice of your intention to stop work.

ACCESS

Access presently gated: Yes

Key provided to the Inspector: No

Be sure to provide the inspector with a key to the gate.

PRESENT STATE OF LAND

Please identify what the present state of the land is where you would like to undertake your activities. If some of the questions do not apply to you please enter n/a in the space provided.

Present condition of the land: Most of the land has been cleared of trees and presently is grassed and a minor amount has been partly stripped

Type of vegetation: Grass and tree stumps

Physiography: Rolling grassland topography with an elevation fluctuation of about 12 m with no ephemeral streams

Current means of access: As shown on the attached maps the land is easily accessed from the existing haul road

Old equipment: As shown on the attached quarry maps, there are 0.04 ha of trailers and sheds on the east side of the Main Pit and an old cabin (0.01 ha) in the middle of the Bepple Pit

Recreational trails / use: There are no recreational trails in the pit areas

ACCESS TO TENURE

Do you need to build a road, create stream crossings or other surface disturbance that will not be on your tenure? No

LAND OWNERSHIP

Application area in a community watershed: No
Proposed activities on private land: Yes

Please note that under Section 19 of the Mineral Tenure Act and Section 2.1 of the Mineral Tenure Act Regulation you must not begin any mining activities until 8 days after giving notice to every owner of the surface area on which the recorded holder intends to carry out that activity.

Activities in a park: No

CULTURAL HERITAGE RESOURCES

Cultural Heritage applies to a large spectrum of heritage resources that is defined as "an object, a site or the location of a traditional societal practice that is of historical, cultural or archaeological significance to British Columbia, a community or an aboriginal people."

The Archaeology Branch of the Ministry of Forests, Land and Natural Resource Operations is responsible for the administration of the Heritage Conservation Act as it applies to archaeological sites. The Archaeology Branch has developed guidelines for companies engaged in natural resource extraction to aid in planning for and avoiding or managing impacts to protected archaeological sites.

Are you aware of any protected archaeological sites that may be affected by the proposed project? No

FIRST NATIONS ENGAGEMENT

In making decisions on authorizations, the government will be fulfilling its responsibility to consult, and where appropriate, accommodate First Nations. The government takes this responsibility seriously and encourages the applicant to engage First Nations early and often as part of any planned development.

Establishing good relations with First Nations who might be affected by a proposed development is a key part of any successful mining operation. The Ministry of Energy and Mines encourages applicants to engage and information share with First Nations that might be affected by a proposed development prior to submitting an application. The earlier in the life of a proposed activity that the avenues of communication are established the greater the likelihood that the relationships formed will be constructive and beneficial to all parties. A lack of information sharing and engagement by the applicant may result in extended timeframes for decision.

Applicants should keep a detailed record of information sharing and engagement with First Nations on their project in the event the government needs to review it. Information on First Nations information sharing and engagement should include the following: a list of First Nations contacted, whether the activity was modified based on feedback from First Nations, and whether the applicant has entered into any informal or formal agreements with First Nations in connection with the project.

The Consultative Areas Database Public Map Service is an online, interactive mapping tool that allows you to identify First Nations who have treaty rights or asserted or proven rights or title on the land base. More information can be found at http://www.empr.gov.bc.ca/TITLES/MINERALTITLES/FIRSTNATION/Pages/CAD.aspx.

Have you shared information and engaged with First Nations in the area of the proposed activity? No

SAND & GRAVEL / QUARRY OPERATIONS

MAPS

All plans and sections must indicate the scale and orientation of the drawing and must include:

1) Plan View of Proposed Development illustrating:

- Property boundaries and set back of excavation from property boundary
- Watercourses and drainage (wet, dry or intermittent) on the property and within 150 metres of its boundaries

- All previous surface workings, the final boundaries of proposed excavation, and boundaries of excavation at the end of development described in the Notice of Work
- Access roads, including development roads within the pit and access to the public roads
- All proposed and existing stockpiles (topsoil, overburden, product etc.)
- All settling ponds (for both surface run off and process water) and source of process water
- Buildings and other facilities (fuel/lubricant storage, sanitary facilities, weigh scale, etc.)
- Sediment control structures and the location of any point discharges from the property
- Fencing, berms and/or vegetative buffers.

2) Cross and longitudinal sections of Proposed Development illustrating:

- The orginial land surface and, if applicable, the groundwater table elevation
- Typical configuration during mining, indicating angle of slope and, where applicable, bench locations
- Proposed configuration on completion of reclamation

3) A copy of the land title/crown land tenure map must be provided.

SOIL CONSERVATION

Average depth of overburden:	1.50 m
Average depth of topsoil:	0.50 m
Measures to stabilize soil overburden stockpiles and control noxious weeds:	Annual addition of material to the topsoil and waste piles controls the weeds. The height and slopes of the waste and topsoil piles are so low that stabilizing is not required.

LAND USE

Is the site within the Agricultural Land Reserve?	No
Does the local government have a Soil Removal Bylaw?	No
Official Community Plan for the site:	There is no "Official Community Plan" for the site
Current land use zoning for the site:	In the past, the land has been selectively logged and used for grazing
Proposed end land use is:	Grazing
Estimate total minable reserves over the life of the mine:	1,500,000 tonnes
Estimate annual extraction from site:	30,000 tonnes/year

Application must be made to the Environmental Assessment Office if estimated extraction for sand/gravel production is 500,000 tonnes/year or 1,000,000 tonnes over 4 years; or if estimated extraction is 250,000 tonnes/year for quarried product.

ACTIVITIES

Click on the "Add Activity" button to add one or more activities. Select your activity out of the list and enter the tonnes, the total disturbed area and the total merchantable timber volume.

Please note that you must notify the Inspector at least two weeks before if you are planning to bring a crusher on site.

Activity	Total Disturbed Area (ha)	Merchantable timber volume (m^3)
Excavation of Pit Run	6.12	0.00
Total:	**6.12**	**0.00**

Is the work year round or only seasonal?	Seasonal
Brief description of operation, including proposed work schedule:	The quarry is active during the snow-free period of the year from approximately 6AM to 6PM 5 days a week and the quarry product is hauled during these times when there are no road restrictions. Quarrying is done with a bulldozer and excavator with the former used to stockpile product, which is hauled to Kamloops by truck

RECLAMATION PROGRAM

Describe the proposed reclamation and timing for this specific activity:	Reclamation occurs when the diatomaceous earth deposit is quarried out to the level of the Eocene volcanic basement which typically has a gently inclined topography. The material from an adjacent waste pile is spread over the area, topped with material from the topsoil pile and then seeded with grass. This is typically done in spring or fall
If backfilling of pits or pit slopes is proposed in the final configuration for reclamation, details of materials to be used and placement procedures:	As the quarrying does not leave deep pits, but instead gently sloping topography, deep pits and steep slopes do not exist. No special methods are required to return the land to its former use. The cost is $5,500/ha
Estimated cost of reclamation activities described above:	$33,660.00
Will progressive reclamation be carried out?	Yes
Maximum unreclaimed disturbance at any given time:	12.00 ha

GROUNDWATER PROTECTION

Average depth to the high groundwater table at the proposed excavation:	10.0 m
Elevation of the groundwater table was determined from:	☐ Existing area wells ☑ Test pits ☐ Test wells drilled for this purpose ☐ Other:
Measures proposed to protect groundwater from potential impacts of the proposed mining activity:	Fuel and lubricants are not stored in the quarry area, but are stored in steel tanks on the east side of the Main Pit in an area underlain by impervious material and not underlain by any permeable material

IMPACT MINIMIZATION

Shortest distance between proposed excavation to nearest residence:	470 m
Shortest distance between proposed excavation to nearest residential water source:	550 m
Measures proposed to prevent inadvertent access of unauthorized persons to the mine site:	The mine site is completely fenced off with a locked gate at the intersection of the Criss Creek Forestry Access Road and the Mine Road
Measures proposed to minimize noise impacts of the operation:	The quarrying site is on the west side of a high point which intervenes between the quarry and the nearest residence, which is owned by Absorbent Products Limited. As a result no noise from the quarrying operation reaches the nearest permanent residence not owned by Absorbent Products Limited which is approximately 1500 m distant.
Measures proposed to minimize the dust impacts of the operation:	The only possible source of dust is from the 1000 m long Mine Road to its junction with the Criss Creek Forestry Access Road, which is periodically wetted. The quarrying operation does not produce dust because of the naturally damp nature of the diatomaceous earth.
Measures proposed to minimize visual impacts of the operation:	As noted above, the quarrying operation lies on the west side of a low hill and cannot be seen from the Criss Creek Forestry Access Road.

TIMBER CUTTING

Total merchantable timber volume: 0.00 m3

No TimberYou have indicated that there is no merchantable timber that will be cut. Therefore a Free Use Permit or a Licence to Cut is not required. If this is not accurate, please correct your entries.

EQUIPMENT

Click on the "Add Equipment" button to add one type of equipment at a time. All equipment must comply with the requirements of the Health, Safety and Reclamation Code.

Quantity	Type	Size / Capacity
1	Bulldozer/Crawler Tractors	D8
1	Excavator	Hyundi 320
2	Loader	6.0 cubic metre bucket
2	Other: scrappers	Terex / TS-18 (13.8 cubic metres)
3	Truck	22 cubic metres

SUMMARY OF RECLAMATION

Based on the information you have provided on the previous screens the Summary of Reclamation is:

Activity	Total Affected area (ha)	Estimated cost of reclamation ($)
Sand & Gravel / Quarry	6.12	33,660.00
Subtotal:	6.12	33,660.00
Unreclaimed disturbance from previous year:	11.71	
Disturbance planned for reclamation this year:	1.21	
Total:	**16.62**	**33,660.00**

OTHER CONTACTS

Please enter the contacts that are applicable to your application.

Contact Info		Type of Contact
Name:	Bowers David	Site operator
Phone:	250-318-7748	
Daytime Phone:	250-372-1600 ext. 111	
Fax:	250-372-3777	
Email:	sgurney@absorbentproductsltd.com	
Mailing Address:	724 Sarcee Avenue E Kamloops BC V2H1E7	

Name:	Steve Gurney	Mine manager
Phone:	250-318-7748	
Daytime Phone:	250-372-1600 ext. 111	
Fax:	250-372-3777	
Email:	sgurney@absorbentproductsltd.com	
Mailing Address:	724 Sarcee Avenue E Kamloops BC V2H1E7	

Contact Info		Type of Contact
Name:	Absorbent Products Ltd	Permittee
Doing Business As:	Absorbent Products Ltd	
Phone:	250-372-1600 ext. 116	
Fax:	250-372-3777	
Email:	absorbentproductsltd.com	
BC Inc. Number:	BC0712398	
GST Registration Number:	859114233	
Contact Name:	Peter Aylen	
Mailing Address:	724 Sarcee Avenue E Kamloops BC V2H1E7	

Name:	Absorbent Products Ltd	Tenure Holder
Doing Business As:	Absorbent Products Ltd	
Phone:	250-372-1600	
Fax:	250-372-3777	
Email:	absorbentproductsltd.com	
BC Inc. Number:	BC0712398	
GST Registration Number:	859114233	
Contact Name:	Peter Aylen	
Mailing Address:	724 Sarcee Avenue E Kamloops BC V2H1E7	

LOCATION INFORMATION

LAND IDENTIFICATION

Do you have the legal description of the land or the civic address then click on 'Add Land Information'.

Description
Private Land Parcel ID: 014-526-280 Legal Description: Section 12, Township 23, Range 21, Kamloops Division of Yale Land District, SW 1/4 of SW 1/4. This is Mining Lease 376818
Provincial Crown Land Legal Description: PID 027-002-781 Block C, Section 1, Township 23, Range 21, Meridian W6, Kamloops Division of Yale Land District, Sections 2 and 11. This is Mining Lease 310888

All applications must include the appropriate maps and applications received without maps will be returned. All maps must be in colour, computer generated, with a scale, north arrow and a detailed legend.

For Mineral, Coal and Placer applications you must provide a minimum of 3 maps:
- A Location Map which must show the location of the property in relation to the nearest community with the access route from the community to the work site clearly marked;
- A Tenure Map which must show the boundaries of the tenure(s) and tenure numbers, at a scale of 1:20,000 or less;
- A Map of Proposed Work which must show topography, water courses, existing access, existing disturbance, contour lines, known cultural heritage resources and/or protected heritage property, at a scale of 1:10,000 or 1:5,000. For site specific applications the location of all proposed exploration activities must be shown; for area-based applications the work area must be shown as a polygon, with the location of all proposed exploration activities for year 1 shown, and shape files provided of the area.

For Sand & Gravel/Quarry applications you must provide a Plan View, Cross and Longitudinal Sections and a Land Title/Crown Land Tenure Map. Details of these requirements are listed in the Sand & Gravel/Quarry Operations Activity sheet.

☑ I have one or more files (PDF, JPG, PNG etc.) with my maps

MAP FILES

Do you have a PDF or image file of a drawn map? You can upload it here.

Description	Filename
1 m contour interval map of Mining Leases 310888 and 376818 showing positions of fences and ephemeral water drainages	GeologyMingLeasesMap copy.jpg
Figure 1: Red Lake Quarry Regional Map	RedLakeQuarryRegionalMap.pdf
Figure 2: Red Lake Quarry Mining Lease Map	MiningLeaseMap.pdf

Figure 3: Red Lake Quarry Pit Map	Fig2Pit Map.pdf
Figure 4: Main Pit End of 5-year Mining Plan. Vertically hatched cells enclosed by heavy border are involved in 5-Year Mining Plan	MainPitEndOf5YearMiningPlan...
Figure 5: West Pit End of 5-Year Mining Plan. Vertically hatched squared enclosed by heavy border are involved in 5-year plan.	WestPitEndOf5YearMiningPlan...
Figure 6: Northwest Pit Vertically hatched area reclaimed at end of 5-year mining plan	NorthwestPitEndOf5YearMinin...
Figure 7: Bepple Pit at end of 5-year mining plan. Vertically hatched area will be reclaimed	BepplePitEndof5YearMiningPl...
Figure 8: Vertical cross-sections through Northwest and Bepple Pits showing original, present and end of 5-year mining plan surface profiles	CrossSections5YearMinePlan....

ATTACHED DOCUMENTS

Document Type	Description	Filename
Landowner Authorization Letter	Court document attesting to Western Industrial Clay Products Ltd (now Absorbent Products Ltd) right to access Mining Lease 376818 and quarry the diatomaceous earth	2004 BCCA 497 Bepple v. Wes...
Landowner Authorization Letter	Court document attesting to Western Industrial Clay Products Ltd (now Absorbent Products Ltd) right to access Mining Lease 376818 and quarry the diatomaceous earth	2004 BCSC 259 Western Indus...
Mine Emergency Response Plan	Emergency Response Plan for Red Lake Quarry	Emergency Rescue Plans.zip
Other	Mining Procedure	5YearWorkProgram.docx

PRIVACY DECLARATION

PRIVACY NOTE FOR THE COLLECTION, USE AND DISCLOSURE OF PERSONAL INFORMATION

Personal information is collected by FrontCounter BC under the legal authority of section 26 (c) and 27 (1) of the Freedom of Information and Protection of Privacy Act (the Act).

The collection, use, and disclosure of personal information is subject to the provisions of the Act. The personal information collected by FrontCounter BC will be used to process your inquiry or application(s). It may also be shared when strictly necessary with partner agencies that are also subject to the provisions of the Act. The personal information supplied in the application package may be used for referrals or notifications as required. Personal information may be used by FrontCounter BC for survey purposes.For more information regarding the collection, use, and/or disclosure of your personal information by FrontCounter BC, please contact FrontCounter BC at 1-877-855-3222 or at:

FrontCounter BC Program Director
FrontCounter BC, Provincial Operation
441 Columbia Street
Kamloops, BC V2C 2T3

☑ Check here to indicate that you have read and agree to the privacy declaration stated above.

REFERRAL INFORMATION

Some applications may also be passed on to other agencies, ministries or other affected parties for referral or consultation purposes. A referral or notification is necessary when the approval of your application might affect someone else's rights or resources or those of the citizens of BC. An example of someone who could receive your application for referral purposes is a habitat officer who looks after the fish and wildlife in the area of your application. This does not apply to all applications and is done only when required.

We have prepopulated some of the fields for your convenience but you can change in the information at any time. Please note that the information might become available to the public if required.

Company / Organization:	Absorbent Products Ltd
Contact Name:	Steve Gurney
Contact Address:	724 Sarcee Avenue E Kamloops BC V2N1E7
Contact Phone:	250-372-1600
Contact Email:	sgurney@absorbentproductsltd.com

☑ **I hereby grant permission for the public release of the information provided above. This information will be used to fulfill, if required, the referral and advertising requirements of my application.**

IMPORTANT NOTICES

- Once you click 'Next' the application will be locked down and you will NOT be able to edit it any more.

DECLARATION

☑ By submitting this application form, I, declare that the information contained on this form is complete and accurate.

OFFICE

Office to submit application to: Kamloops

PROJECT INFORMATION

Is this application for an activity or project which requires more than one natural resource authorization from the Province of BC? No

APPLICANT SIGNATURE

Applicant Signature	**Date**

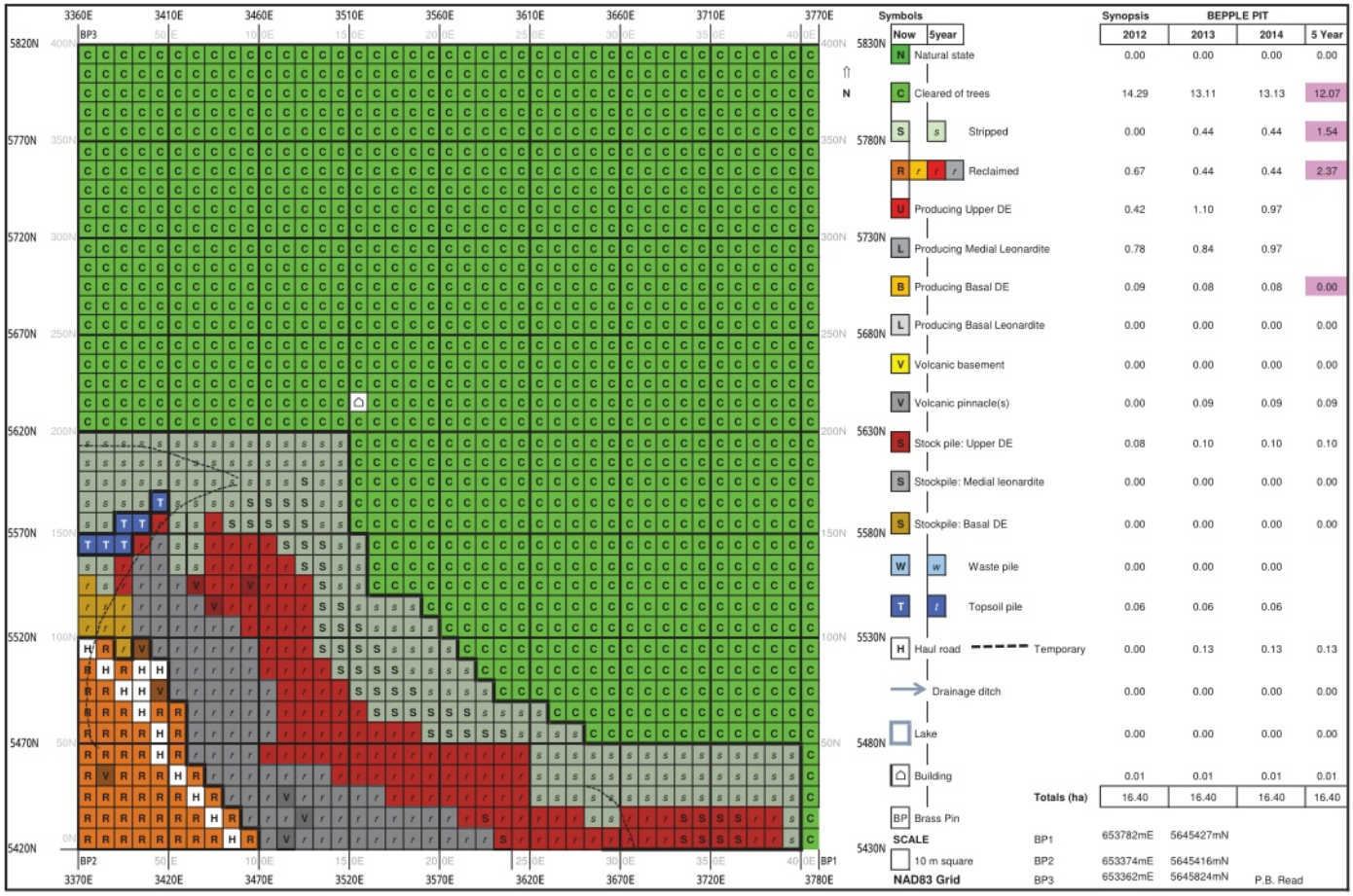
OFFICE USE ONLY		
Office Kamloops	**File Number**	**Project Number**
	Disposition ID	**Client Number**

WORK PROGRAM/ MINING OPERATIONS

Since 1980, this has been a quarrying site for diatomaceous earth operated by DEM, Western Industrial Clay Products and now by Absorbent Products Ltd. The quarrying operation consists of the following steps:

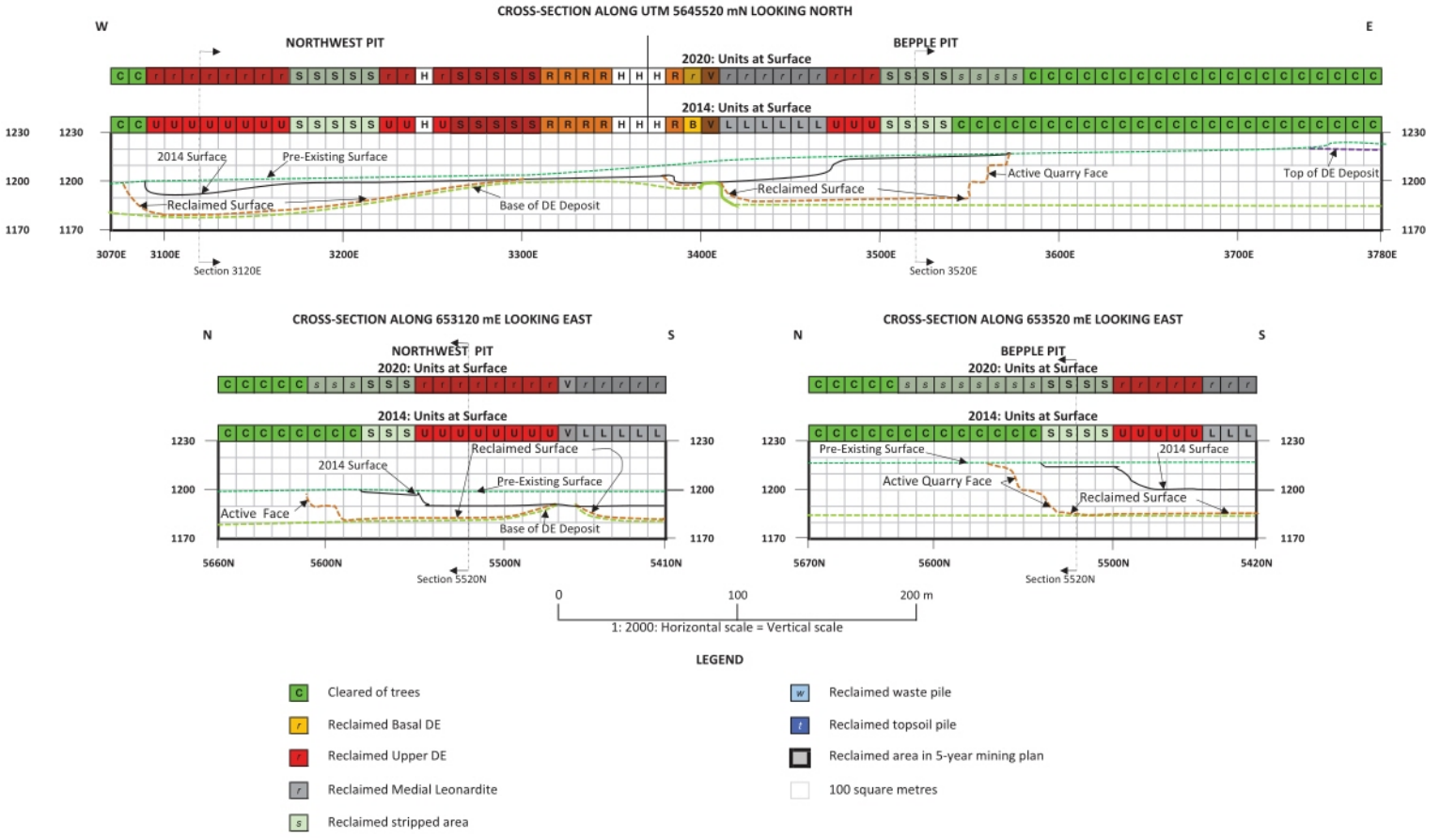
1. Clearing the area of vegetation with the burning of waste and removal of any merchantable timber.
2. Stripping off of top soil and the underlying weathered till and placing these materials in a top soil and waste piles respectively.
3. These piles are either on top of areas either already quarried to the Eocene volcanic basement rocks or on unquarried areas underlain by Eocene volcanic basement rocks.
4. With an excavator, parallel, narrow trenches up to 1.5 m deep spaced 3-5 m apart are dug and the diatomaceous earth is allowed to partially dry before extraction.
5. Using a D8 cat and a Hyundai 320 excavator, the dried diatomaceous earth is stockpiled.
6. The diatomaceous earth is blended in the quarry sourced from the Upper and Basal DE layers.
7. With the use of a front-end loader, dump trucks with pup trailers are loaded and the DE transported to Absorbent Products Ltd's plant in Kamloops.
8. The only changes in quarrying operations depend upon which diatomaceous earth layer is being mined.
9. If it is the Upper DE, then quarrying proceeds down to the Middle Leonardite layer (carbonaceous shale and wood). The Middle Leonardite layer is removed and separately piled because it is an excellent growth medium. Mining then proceeds downwards in the Basal DE layer, using the same trenching technique as employed for the Upper DE layer, to either the Eocene volcanic basement or the lensoidal Lower Leonardite layer.
10. After reaching the base of the diatomaceous earth deposit, the ground is reclaimed by spreading and contouring material from the waste pile topped with top a mixture of top soil and material from the Middle Leonardite layer.
11. The reclaimed area is reseeded with an approved grass mixture and the land is returned to grazing in a condition that significantly exceeds its former selectively logged condition.
12. As of the end of 2014, 15.87 ha have been reclaimed

NOW #1500021201501

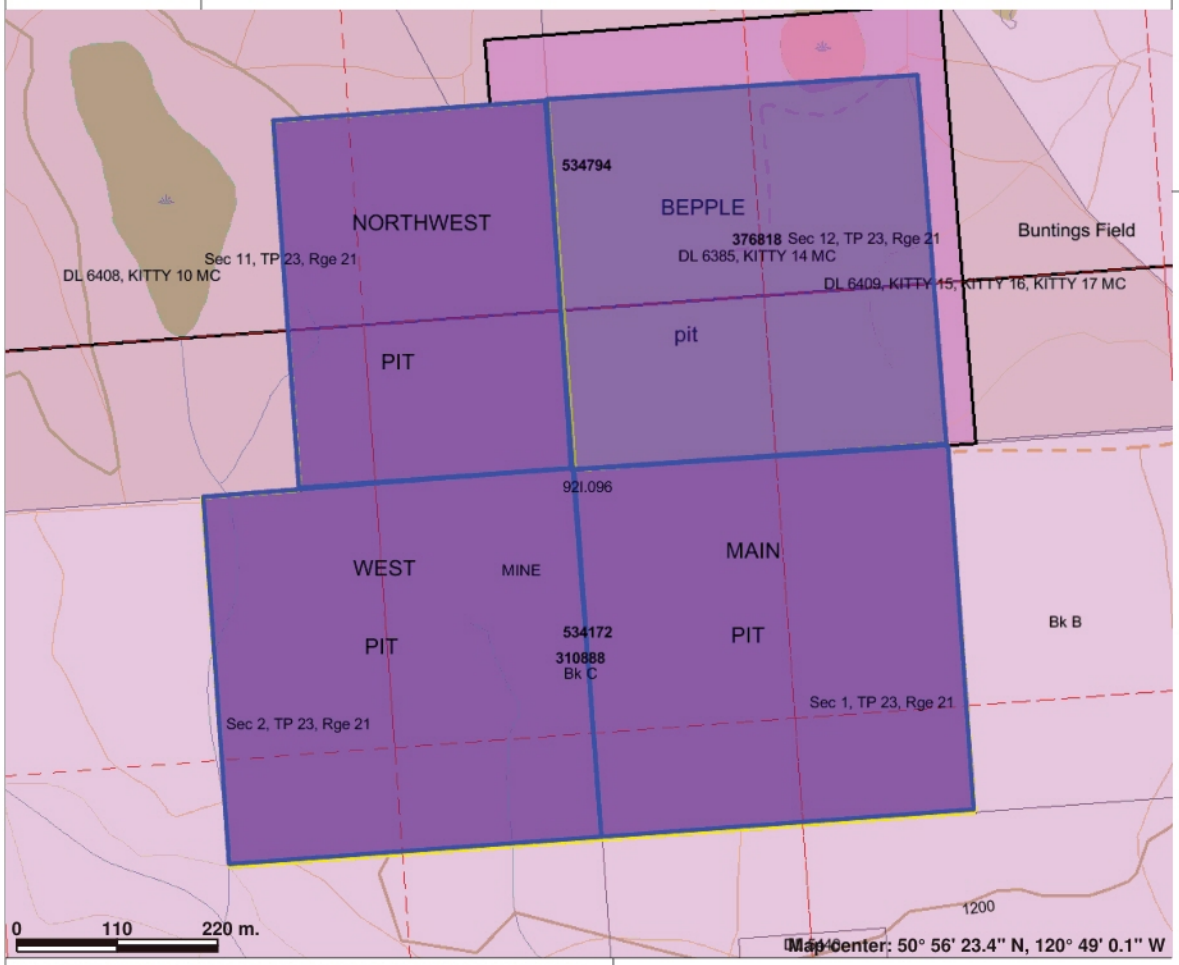


Synopsis	BEPPLE PIT			
	2012	2013	2014	5 Year
Natural state	0.00	0.00	0.00	0.00
Cleared of trees	14.29	13.11	13.13	12.07
Stripped	0.00	0.44	0.44	1.54
Reclaimed	0.67	0.44	0.44	2.37
Producing Upper DE	0.42	1.10	0.97	
Producing Medial Leonardite	0.78	0.84	0.97	
Producing Basal DE	0.09	0.08	0.08	0.00
Producing Basal Leonardite	0.00	0.00	0.00	0.00
Volcanic basement	0.00	0.00	0.00	0.00
Volcanic pinnacle(s)	0.00	0.09	0.09	0.09
Stock pile: Upper DE	0.08	0.10	0.10	0.10
Stockpile: Medial leonardite	0.00	0.00	0.00	0.00
Stockpile: Basal DE	0.00	0.00	0.00	0.00
Waste pile	0.00	0.00	0.00	
Topsoil pile	0.06	0.06	0.06	
Haul road	0.00	0.13	0.13	0.13
Drainage ditch	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Building	0.01	0.01	0.01	0.01
Totals (ha)	16.40	16.40	16.40	16.40

NOW #1500021201501



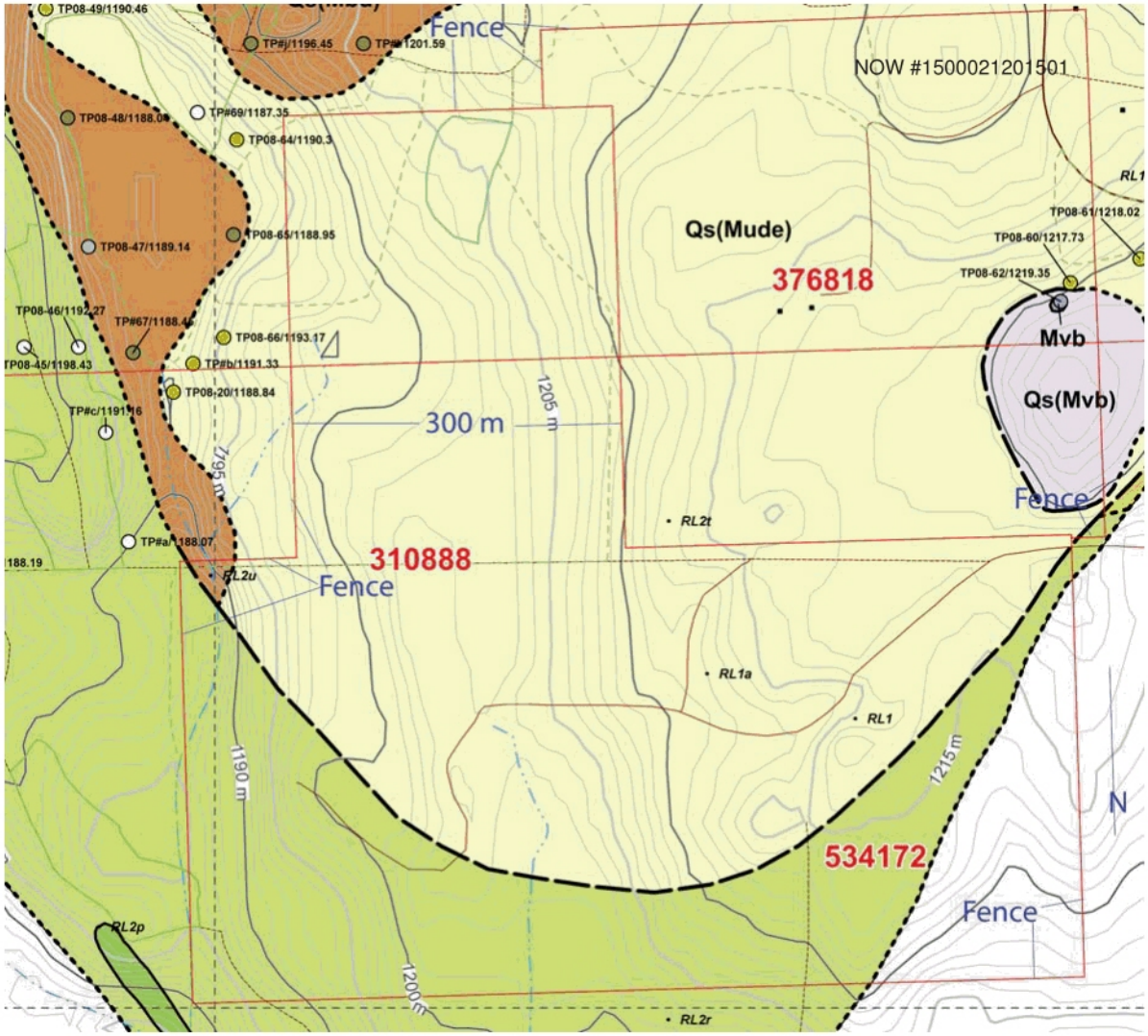
PIT MAP



Legend

- Indian Reserves
- National Parks
- Conservancy Areas
- Parks
- Federal Transfer Lands
- MTO Grid (MTO)
- Mineral Tenure (current)
- Mineral Claim
- Mineral Lease
- Mineral Reserves (current)
- Placer Claim Designation
- Placer Lease Designation
- No Staking Reserve
- Conditional Reserve
- Release Required Reserve
- Surface Restriction
- Recreation Area
- Others
- First Nations Treaty Related Lands
- First Nations Treaty Lands
- Integrated Cadastral Fabric
- Survey Parcels
- BCGS Grid
- Contours (TRIM)
- Contour - Index
- Contour - Index.Indefinite
- Contour - Index.Depression
- Contour - Index.Depression Indefinite
- Contour - Intermediate
- Contour - Intermediate.Indefinite
- Contour - Intermediate.Depression

Scale: 1:6,399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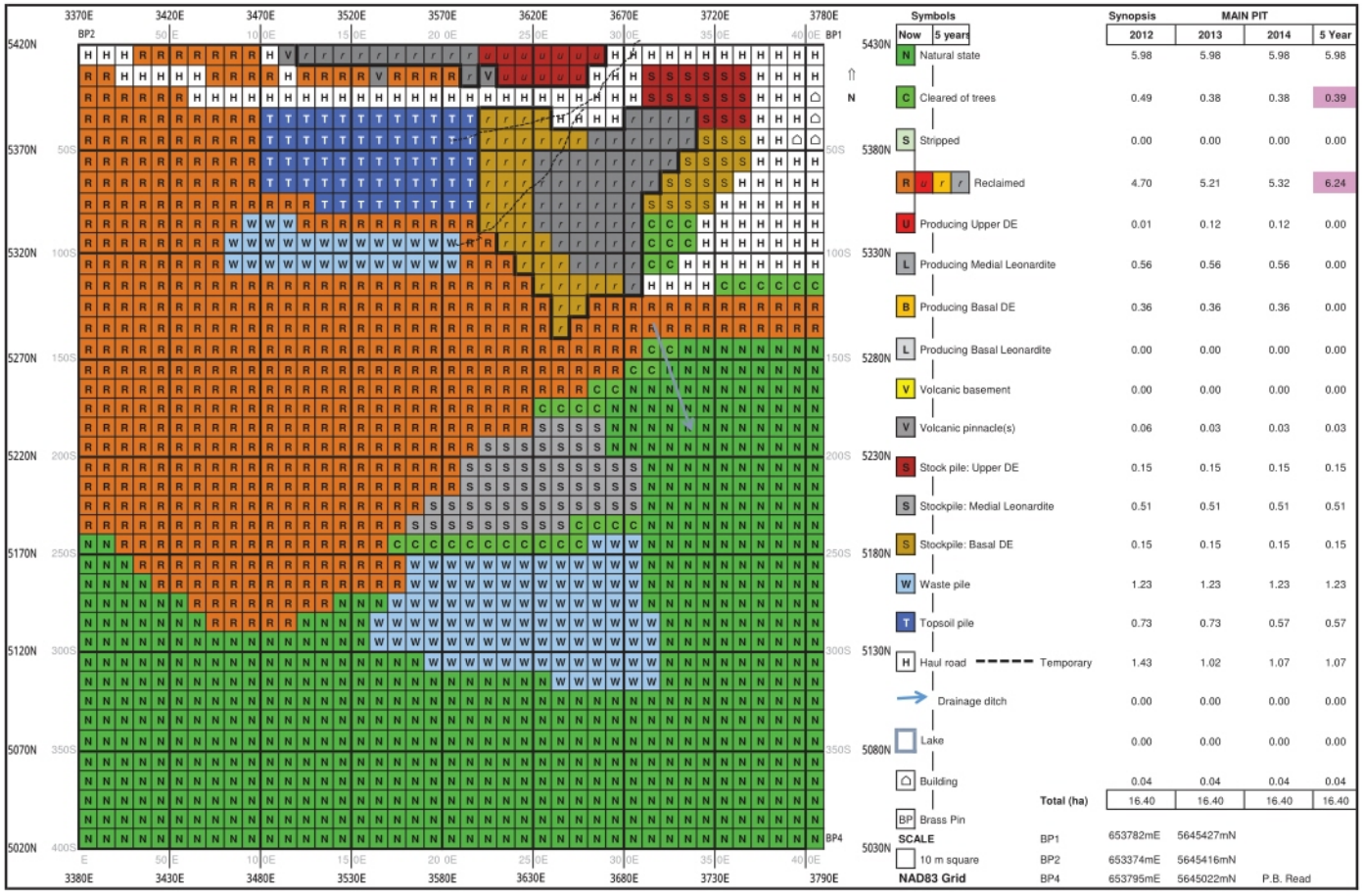
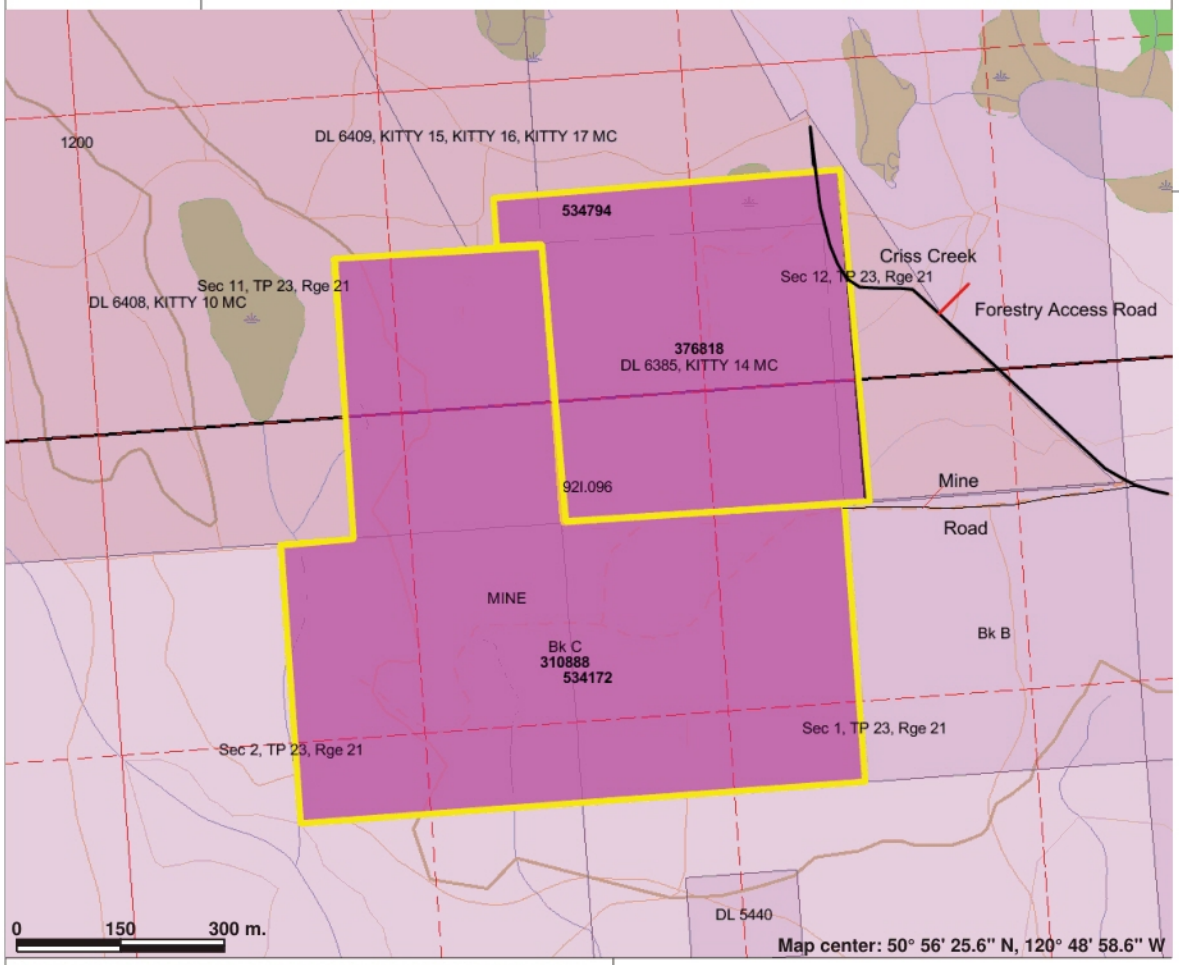
TP#k/1201.59
TP08-48/1188.08
TP#69/1187.35
TP08-64/1190.3
TP08-47/1189.14
TP08-65/1188.95
Qs(Mude)
376818
TP08-61/1218.02
TP08-60/1217.73
TP08-62/1219.35
Mvb
Qs(Mvb)
TP08-46/1192.27
TP#67/1188.44
TP08-45/1198.43
TP08-66/1193.17
TP#b/1191.33
TP08-20/1188.84
TP#c/1191.16
300 m
1205 m
1195 m
Fence
RL2t
TP#a/1188.07
188.19
RL2u
310888
Fence
RL1a
RL1
1215 m
1190 m
N
534172
Fence
RL2p
1200 m
RL2r

NOW #1500021201501



Synopsis	MAIN PIT			
	2012	2013	2014	5 Year
Natural state	5.98	5.98	5.98	5.98
Cleared of trees	0.49	0.38	0.38	0.39
Stripped	0.00	0.00	0.00	0.00
Reclaimed	4.70	5.21	5.32	6.24
Producing Upper DE	0.01	0.12	0.12	0.00
Producing Medial Leonardite	0.56	0.56	0.56	0.00
Producing Basal DE	0.36	0.36	0.36	0.00
Producing Basal Leonardite	0.00	0.00	0.00	0.00
Volcanic basement	0.00	0.00	0.00	0.00
Volcanic pinnacle(s)	0.06	0.03	0.03	0.03
Stock pile: Upper DE	0.15	0.15	0.15	0.15
Stockpile: Medial Leonardite	0.51	0.51	0.51	0.51
Stockpile: Basal DE	0.15	0.15	0.15	0.15
Waste pile	1.23	1.23	1.23	1.23
Topsoil pile	0.73	0.73	0.57	0.57
Haul road	1.43	1.02	1.07	1.07
Drainage ditch	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Building	0.04	0.04	0.04	0.04
Total (ha)	16.40	16.40	16.40	16.40

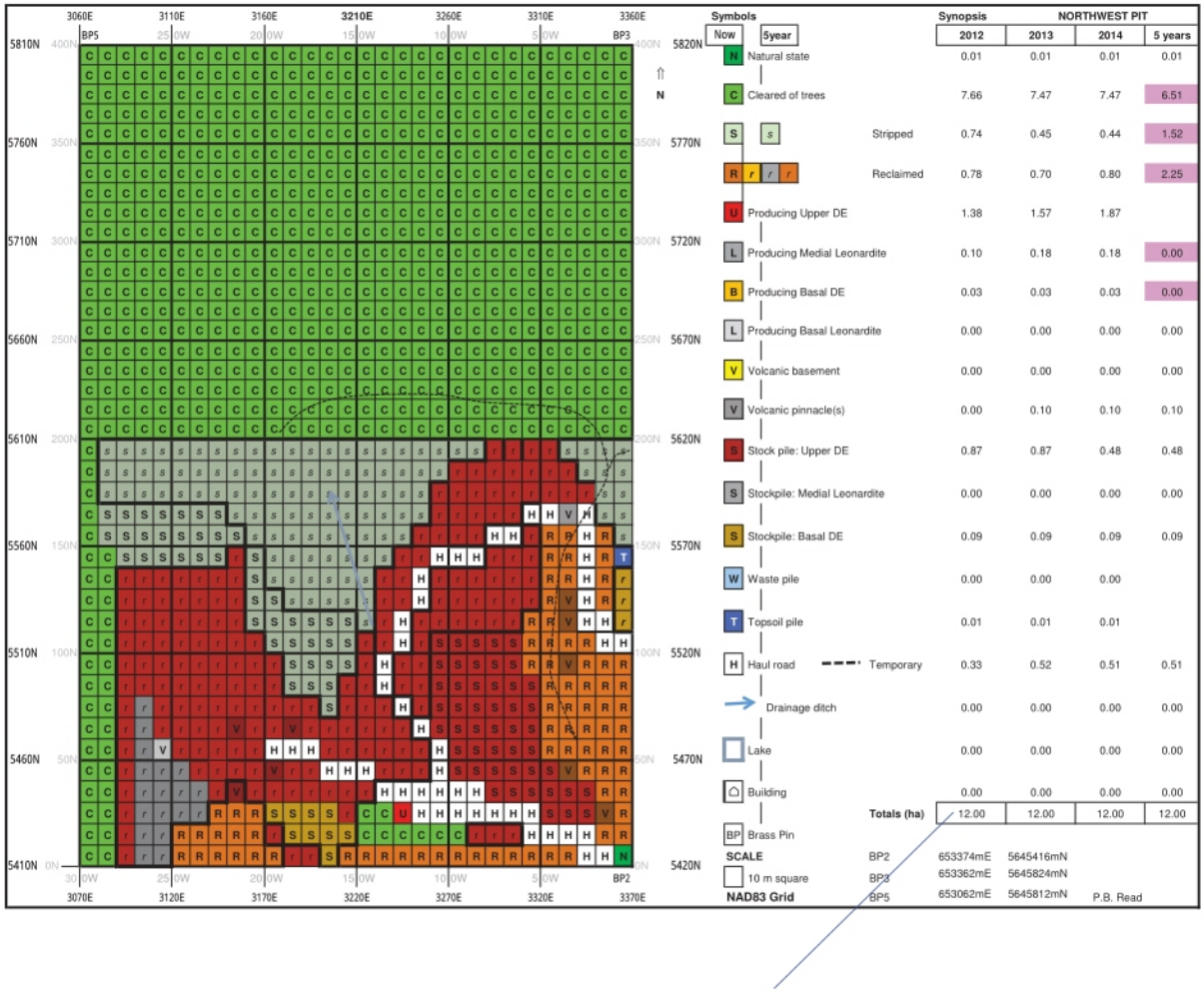
RED LAKE QUARRY MINE LEASES



Legend

- Indian Reserves
- National Parks
- Conservancy Areas
- Parks
- Federal Transfer Lands
- MTO Grid (MTO)
- Mineral Tenure (current)
- Mineral Claim
- Mineral Lease
- Mineral Reserves (current)
- Placer Claim Designation
- Placer Lease Designation
- No Staking Reserve
- Conditional Reserve
- Release Required Reserve
- Surface Restriction
- Recreation Area
- Others
- First Nations Treaty Related Lands
- First Nations Treaty Lands
- Integrated Cadastral Fabric
- Survey Parcels
- BCGS Grid
- Contours (TRIM)
- Contour - Index
- Contour - Index.Indefinite
- Contour - Index.Depression
- Contour - Index.Depression Indefinite
- Contour - Intermediate
- Contour - Intermediate.Indefinite
- Contour - Intermediate.Depression

Scale: 1:8,445

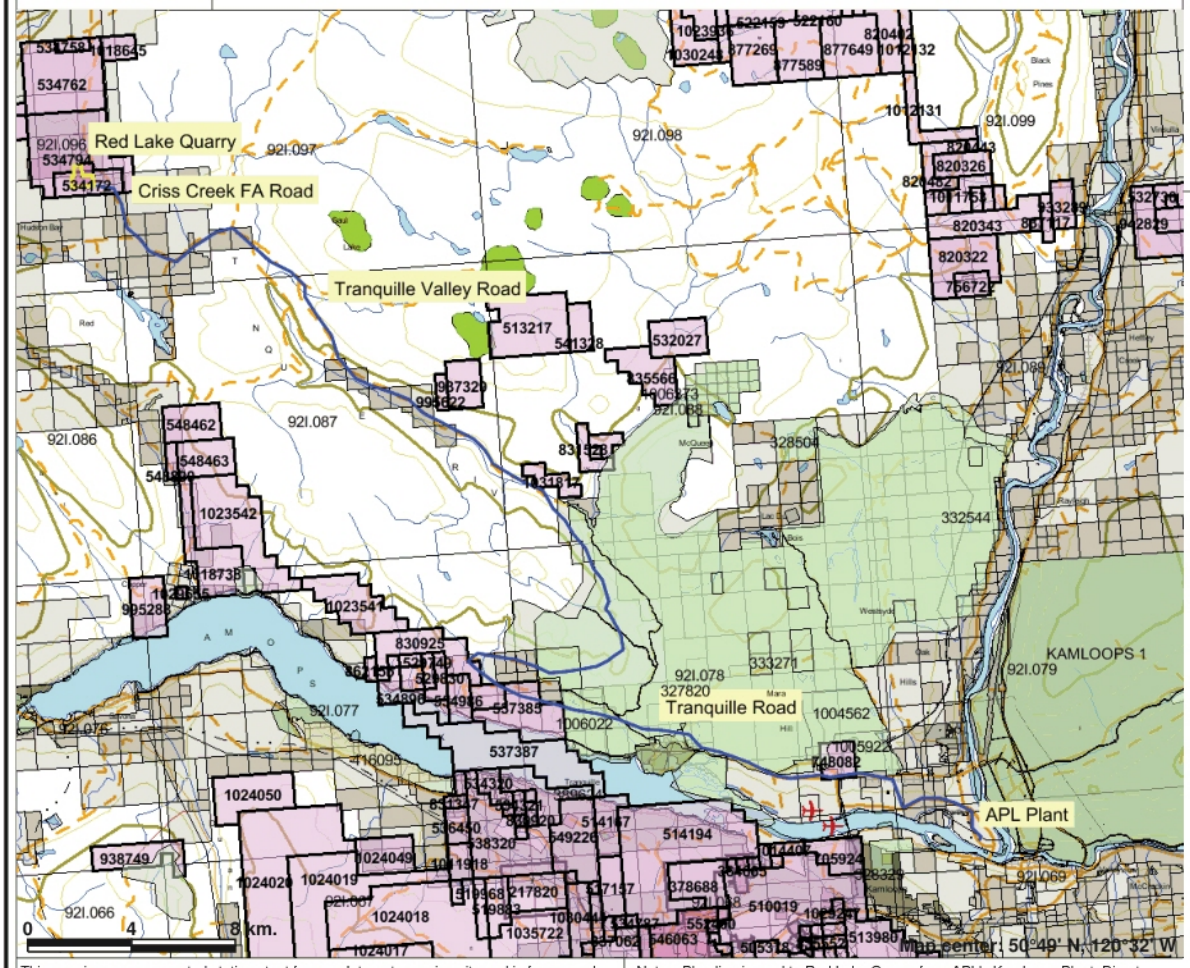


Synopsis — NORTHWEST PIT

	2012	2013	2014	5 years
Natural state	0.01	0.01	0.01	0.01
Cleared of trees	7.66	7.47	7.47	6.51
Stripped	0.74	0.45	0.44	1.52
Reclaimed	0.78	0.70	0.80	2.25
Producing Upper DE	1.38	1.57	1.87	
Producing Medial Leonardite	0.10	0.18	0.18	0.00
Producing Basal DE	0.03	0.03	0.03	0.00
Producing Basal Leonardite	0.00	0.00	0.00	0.00
Volcanic basement	0.00	0.00	0.00	0.00
Volcanic pinnacle(s)	0.00	0.10	0.10	0.10
Stock pile: Upper DE	0.87	0.87	0.48	0.48
Stockpile: Medial Leonardite	0.00	0.00	0.00	0.00
Stockpile: Basal DE	0.09	0.09	0.09	0.09
Waste pile	0.00	0.00	0.00	
Topsoil pile	0.01	0.01	0.01	
Haul road	0.33	0.52	0.51	0.51
Drainage ditch	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Building	0.00	0.00	0.00	0.00
Totals (ha)	12.00	12.00	12.00	12.00

BP2	653374mE	5645416mN	
BP3	653362mE	5645824mN	
BP5	653062mE	5645812mN	P.B. Read

Access Map to Red Lake Quarry



Legend

- Indian Reserves
- National Parks
- Conservancy Areas
- Parks
- Federal Transfer Lands

Mineral Tenure (current)

- Mineral Claim
- Mineral Lease

Mineral Reserves (current)

- Placer Claim Designation
- Placer Lease Designation
- No Staking Reserve
- Conditional Reserve
- Release Required Reserve
- Surface Restriction
- Recreation Area
- Others
- First Nations Treaty Related Lands
- First Nations Treaty Lands
- Survey Parcels
- BCGS Grid

Contours (1:250K)

- Contour - Index
- Contour - Intermediate
- Areaof Exclusion
- Areaof Indefinite Contours

Annotation (1:250K)

Transportation - Points (1:250K)

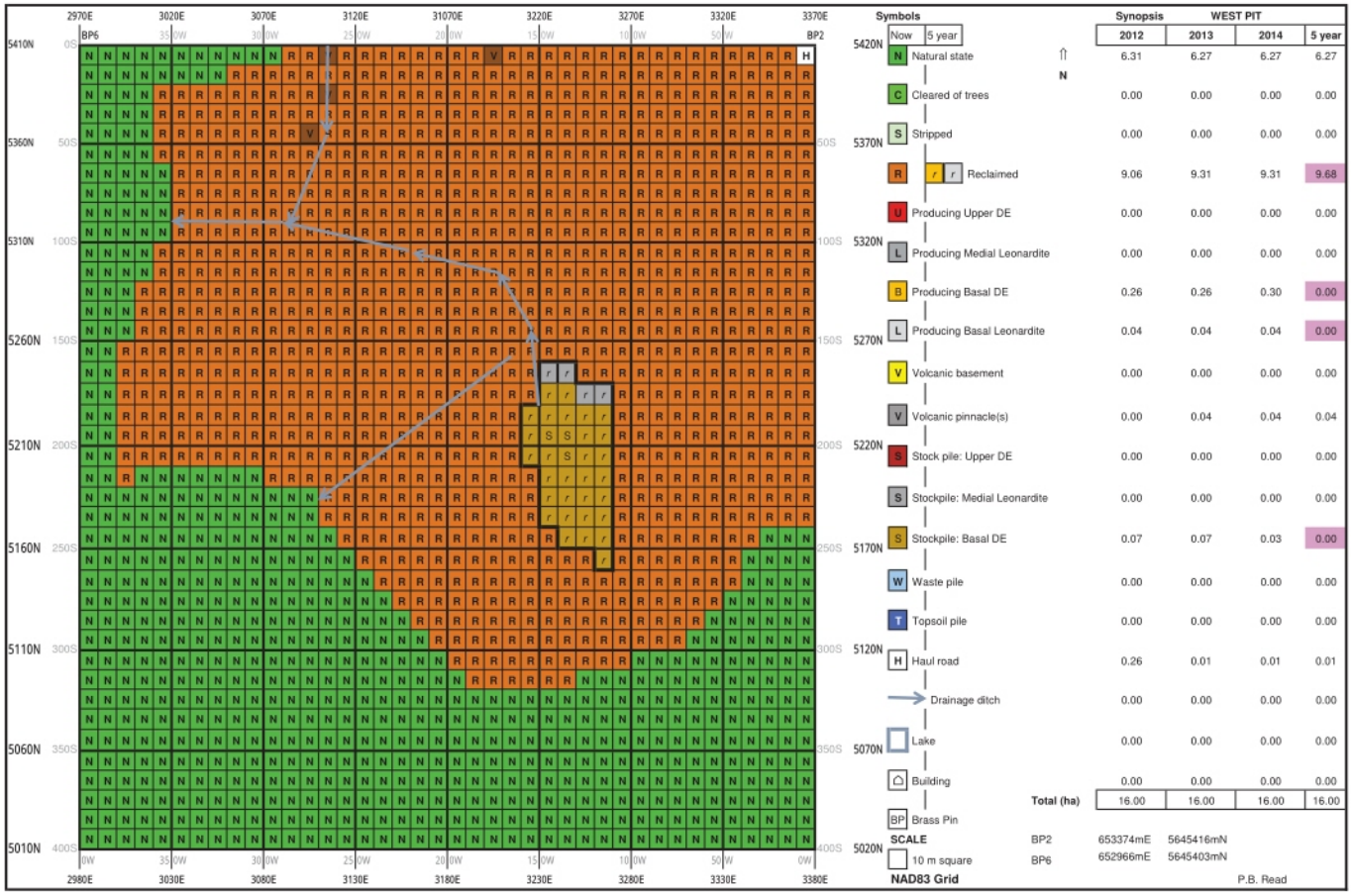
- Airfield
- Anchorage - Seaplane

Scale: 1:225,159

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Notes: Blue line is road to Red Lake Quarry from APL's Kamloops Plant. Direct distance 41 km

NOW #1500021201501



Synopsis	WEST PIT			
	2012	2013	2014	5 year
Natural state	6.31	6.27	6.27	6.27
Cleared of trees	0.00	0.00	0.00	0.00
Stripped	0.00	0.00	0.00	0.00
Reclaimed	9.06	9.31	9.31	9.68
Producing Upper DE	0.00	0.00	0.00	0.00
Producing Medial Leonardite	0.00	0.00	0.00	0.00
Producing Basal DE	0.26	0.26	0.30	0.00
Producing Basal Leonardite	0.04	0.04	0.04	0.00
Volcanic basement	0.00	0.00	0.00	0.00
Volcanic pinnacle(s)	0.00	0.04	0.04	0.04
Stock pile: Upper DE	0.00	0.00	0.00	0.00
Stockpile: Medial Leonardite	0.00	0.00	0.00	0.00
Stockpile: Basal DE	0.07	0.07	0.03	0.00
Waste pile	0.00	0.00	0.00	0.00
Topsoil pile	0.00	0.00	0.00	0.00
Haul road	0.26	0.01	0.01	0.01
Drainage ditch	0.00	0.00	0.00	0.00
Lake	0.00	0.00	0.00	0.00
Building	0.00	0.00	0.00	0.00
Total (ha)	16.00	16.00	16.00	16.00

BP2	653374mE	5645416mN
BP6	652966mE	5645403mN

P.B. Read

BRITISH COLUMBIA | Ministry of Energy and Mines

Mineral & Coal Exploration Activities & Reclamation Permit

(Issued pursuant to Section 10 of the *Mines Act* R.S.B.C. 1996, c.293)

Permit Number: **MX-15-162** Mine No: **1500677**

Permittee: **Absorbent Products Ltd.**
724 East Sarcee Street
Kamloops BC V2H 1E7

Business Phone: **250 372 1600**
Fax: **250 372 3777**

Name of Property: **Kitty Claims**

Reclamation security amount: **$0 (reclamation liability covered under security for Q-15-006)**

For exploration and reclamation activities at the following mineral/coal tenures: **534172**

as described in the attached Notice of Work and Reclamation dated:

Approved Activities

	Access Roads, Trails, Heli Pads, Air Strips…		Mechanical Trenching/Test Pits
	Application for Timber Cutting Authorization		Off-Tenure Access (SUP)
	Blasting		Settling Ponds
	Camps, Buildings and Staging Areas	X	Surface Bulk Sample
	Cut Lines		Underground Exploration
	Exploration Surface Drilling		Water Supply/Use

Date of Issuance: December 28, 2001 **Date of Amendment: July 4, 2014**

Bruce Hupman, Inspector of Mines

The information on this form and any supporting documents are subject to the *Freedom of Information and Protection of Privacy Act.* The information requested on this form is collected and used for the purpose of administering the Mineral Exploration and Reclamation Permit. The *Mines Act* of British Columbia also authorizes the collection of the requested information on this form. The completed form is routinely available to the public. Questions about how the *Freedom of Information and Protection of Privacy Act* applies to the information collected on this form can be directed to the Mines Branch, phone (250)952-0492, fax (250)952-0491 or write to: PO Box 9320, Stn Prov Govt, Victoria, British Columbia, V8W 9N3.

Permit Conditions

- **Compliance with Mines Act and Code:**

  All exploration activities must be conducted in a manner that complies with the *Mines Act* and the Health, Safety and Reclamation Code for Mines in British Columbia.

- **Start of Exploration Activities Notification:**

  Verbal or written notification to the regional Inspector of Mines is required prior to the start date of exploration activity.

- **Uranium and Thorium:**

  Exploration for uranium or thorium is not approved under this permit.

- **Changes to the Permitted Activities:**

  The regional Inspector of Mines must be notified if the Permittee wishes to materially alter the exploration activities approved herein. Approval must be received from the regional Inspector of Mines prior to commencement of an amended program of exploration activities when described in a Schedule.

- **Annual Summary of Exploration Activities:**

  An Annual Summary of Exploration Activities shall be submitted to the regional Inspector of Mines before the end of March of every year the permit is in effect. Reclamation and other exploration activities undertaken in the previous year shall be submitted in the form prescribed by the Chief Inspector of Mines.

- **Notice of Mine Closure:**

  A Notice of Mine Closure must be submitted to the regional Inspector of Mines when exploration by a Permittee at a permitted site is permanently discontinued.

- **Others:**

  - Approval is for a bulk sample of a maximum 10,000 tonnes for marketing and sampling purposes. Approximate size of disturbance is 2.9 hectares for bulk sample, topsoil stockpile and temporary waste storage areas.
  - Best Management Practices, as outlined in the Handbook for Mineral and Coal Exploration in British Columbia, must be utilized in conjunction with direction provided by the Code.
  - Staff must follow the procedures in the Archaeological Chance Find Procedure if archaeological values are encountered.
  - Progressive reclamation shall be carried out at all times.
  - Disturbance to perennial stream reaches, seeps, springs, wetlands, and riparian communities will be avoided.
  - The ephemeral stream identified in the Notice of Work application will be left untouched in its present location.

- To help mitigate noxious weed infestation, all site disturbance created under this program shall be appropriately reclaimed and re-vegetated using a mixture appropriate for the area.

- Contaminated or silt laden water shall be suitably contained on site and shall not be allowed to enter any watercourse or stream.

- Erosion shall be minimized and controlled at the source eliminating negative impacts to the environment.

- Prior to removal of equipment from site:
  -all surface disturbances and excavation areas shall be cleaned of debris, backfilled with waste material, contoured to a maximum 2H:1V slope, have top soil spread, and seeded using a mixture appropriate for the area.
  - all access trails and roads shall be provided with appropriate drainage structures including water bars.
  - seeding of excavated areas, cut-banks and side-cast, access trails and roads shall be carried out at the appropriate time of the year.

Notice of Work

Tracking Number: 100095473

APPLICANT INFORMATION

Name:	Peter Burland Read
Phone:	694-738-6836
Daytime Phone:	604-681-4643
Fax:	604-681-0731
Email:	s.22
Mailing Address:	832-470 Granville Street Vancouver BC V6C1V5

SETUP QUESTIONS

Please enter some preliminary information for your application.

Are you an individual or an organization?	Individual
Are you applying on behalf of the applicant?	No

TECHNICAL INFORMATION

APPLICATION INFORMATION

Type of Notice of Work:	Mineral
Please be advised that exploration for Uranium or Thorium is not permissable.	
Is this a New Permit or an Amendment?	Amendment
Have you submitted an Annual Summary?	Yes

ONE YEAR, MULTI-YEAR OR MULTI-YEAR AREA BASED PERMIT

One Year Permit

A One Year permit allows you to do your exploration activities over 1 year. You will have to identify the exact location/s for each proposed activity. At the end of the year you will have to submit an Annual Summary outlining the activities done during the previous year.

Multi-Year Permit

A Multi-Year permit allows you to do your exploration activities over 2-5 years. You will have to identify the exact location/s for each proposed activity. At the end of each year you will have to submit an Annual Summary outlining the activities done during the previous year.

Multi-Year, Area Based Permit

A Multi-Year, Area Based permit also allows you to spread your exploration activities over 2-5 years. In contrast to the Multi-Year Permit you don't have to identify the exact location but only the general area in which you would like to explore. At the end of each year you will have to submit an Annual Summary and at the beginning of each new year you will have to submit a Multi-Year, Area Based Work Program Annual Update outlining your previous activities as well as your plans for the next year.

Type of permit to apply for:	I would like to apply for a Multi-Year permit
Term of application:	3 years

MINE INFORMATION

Do you have an existing mine number?	No
Name of the property:	KITTY
Tenure Numbers:	534172
Crown Grant / District Lot Numbers:	

Directions to site from nearest municipality: The bulk sample site lies 41 km northwest of Kamloops. The first 8 km is along the paved Tranquille Lake Road. Just before reaching Tranquille cross the railway tracks and next 33 km are along the publically maintained Red Lake Road with a right hand tun onto the Criss Creek Forestry Access road/ The bulk sample site is then reached through the privately maintained roads of Absorbent Products Ltd.

Geographic Coordinates of Mine: **Latitude:** 50.9400000 **Longitude:** -120.8238900

INFORMATION ABOUT PROPOSED ACTIVITIES

Activities to be undertaken: Surface Bulk Sample

FIRST AID

Proposed First Aid equipment on site: Absorbent Products Ltd has an ambulance within 200 m of the bulk sample site

Level of First Aid Certificate held by attendant: Occupational First Aid Level 2 with Transportation Endorsement

DESCRIPTION OF EXPLORATION PROGRAM

If you prefer to upload a document, please enter "see attached document" and attach the document in the "Document Upload" step later in the application under "Other".

Sufficient details of your work program to enable a good understanding of the types and scope of the activities that will be conducted:

The bulk sample site will be accessed through the company's haul road system. The bulk sample site was logged about 15 years ago and now has only deciduous trees of no commercial value growing. The trees will be felled and the stumps removed with a D8 Cat. The cat will then strip off the topsoil and waste with each being placed in its designated pie to the west of the stripped bulk sample site. This site has been chosen because the company's clients value a white diatomaceous earth (DE) and there are indications that this material lies in the bulk sample site. The uncovered DE will then be air dried before being bulldozed and set in a stockpile for hauling.

TIME OF PROPOSED ACTIVITIES

Proposed start and end date: May 1, 2014 to Dec 31, 2016

Is the work year round or only seasonal? Seasonal

Please remember that you need to give 10 days notice to the Inspector of Mines of your intention to start work, and 7 days notice of your intention to stop work.

ACCESS

Access presently gated: No

PRESENT STATE OF LAND

Please identify what the present state of the land is where you would like to undertake your activities. If some of the questions do not apply to you please enter n/a in the space provided.

Present condition of the land: The land was logged for the evergreen trees about 15 years ago, only the deciduous trees have been left standing. The natural grass has grown so that the land is now used for grazing. The elevation change is approximately 5 m as indicated by LIDAR mapping

Type of vegetation: Native grass and scattered deciduous trees

Physiography: The area has a maximum relief of 5 m with an ephemeral rivulet on the west side as indicated on the TRIM map. The rivulet runs only during the spring runoff.

Current means of access: The sample site is accessible through the company's haul road on the south and east edges of the sample site

Old equipment: n/a

Recreational trails / use: n/a

ACCESS TO TENURE

Do you need to build a road, create stream crossings or other surface disturbance that will not be on your tenure? No

LAND OWNERSHIP

Application area in a community watershed: No
Proposed activities on private land: Yes

Please note that under Section 19 of the Mineral Tenure Act and Section 2.1 of the Mineral Tenure Act Regulation you must not begin any mining activities until 8 days after giving notice to every owner of the surface area on which the recorded holder intends to carry out that activity.

Activities in a park: No

CULTURAL HERITAGE RESOURCES

Cultural Heritage applies to a large spectrum of heritage resources that is defined as "an object, a site or the location of a traditional societal practice that is of historical, cultural or archaeological significance to British Columbia, a community or an aboriginal people."

The Archaeology Branch of the Ministry of Forests, Land and Natural Resource Operations is responsible for the administration of the Heritage Conservation Act as it applies to archaeological sites. The Archaeology Branch has developed guidelines for companies engaged in natural resource extraction to aid in planning for and avoiding or managing impacts to protected archaeological sites.

Are you aware of any protected archaeological sites that may be affected by the proposed project? No

FIRST NATIONS ENGAGEMENT

In making decisions on authorizations, the government will be fulfilling its responsibility to consult, and where appropriate, accommodate First Nations. The government takes this responsibility seriously and encourages the applicant to engage First Nations early and often as part of any planned development.

Establishing good relations with First Nations who might be affected by a proposed development is a key part of any successful mining operation. The Ministry of Energy and Mines encourages applicants to engage and information share with First Nations that might be affected by a proposed development prior to submitting an application. The earlier in the life of a proposed activity that the avenues of communication are established the greater the likelihood that the relationships formed will be constructive and beneficial to all parties. A lack of information sharing and engagement by the applicant may result in extended timeframes for decision.

Applicants should keep a detailed record of information sharing and engagement with First Nations on their project in the event the government needs to review it. Information on First Nations information sharing and engagement should include the following: a list of First Nations contacted, whether the activity was modified based on feedback from First Nations, and whether the applicant has entered into any informal or formal agreements with First Nations in connection with the project.

The Consultative Areas Database Public Map Service is an online, interactive mapping tool that allows you to identify First Nations who have treaty rights or asserted or proven rights or title on the land base. More information can be found at http://www.empr.gov.bc.ca/TITLES/MINERALTITLES/FIRSTNATION/Pages/CAD.aspx.

Have you shared information and engaged with First Nations in the area of the proposed activity? No

SURFACE BULK SAMPLE

Be advised that on-tenure roads used as haul roads must comply with Code Requirements.

MAPS

Mark the locations of all excavation sites, overburden/waste dumps on the map. Show the distance of activity from known streams, wetlands and lakes. You will upload the maps at a later step in the application process.

EXISTING DISTURBANCE FOR SURFACE BULK SAMPLE

Total existing disturbance: 0.00 ha

ACTIVITIES

Click on the "Add Activity" button to add one or more activities. Select your activity out of the list and enter the tonnes, the total disturbed area and the total merchantable timber volume.

Activity	Quantity (tonnes)	Disturbed Area (ha)	Merchantable timber volume (m^3)
Bulk Sample	10,000.00	2.00	0.00
Topsoil		0.30	0.00
Waste Dumps	5,000.00	0.60	0.00
Total:	**15,000.00**	**2.90**	**0.00**

EQUIPMENT

Click on the "Add Equipment" button to add one type of equipment at a time. All equipment must comply with the requirements of the Health, Safety and Reclamation Code.

Type	Quantity	Size / Capacity
Bulldozer/Crawler Tractors	1	D8
Loader	1	2 cubic metres
Truck	1	20 tonnes

PROCESSING METHODS

Describe handling and on-site processing methods: Other than air drying on site, no other processing is done. After air drying the material is bulldozed into a stockpile

BEDROCK EXCAVATION

Are you proposing bedrock excavation that will be 1,000 tonnes or more? No

RECLAMATION PROGRAM

Description of the proposed reclamation and timing of reclamation work: After removal of the bulk sample, the area will be recontoured sing a bulldozer with the material from the waste pile. After this the topsoil will be spread and an approved mixture of grass seed will be put on either in the fall or the spring

If the material has potential for spontaneous combustion, give details of separate handling: n/a

Surface Water Drainage and Mitigation Strategies: The ephemeral stream will be left untouched in its present position

Estimated cost of reclamation activities described above: $4,000.00

ADDITIONAL INFORMATION

Please refer to the Mineral Tenure Act Regulation regarding bulk samples.
Bulk samples must comply with Part 10.1.2 of the Code, and applicants must submit the information outlined in Part 10.1.4.

TIMBER CUTTING

Total merchantable timber volume: 0.00 m3

No TimberYou have indicated that there is no merchantable timber that will be cut. Therefore a Free Use Permit or a Licence to Cut is not required. If this is not accurate, please correct your entries.

SUMMARY OF RECLAMATION

Based on the information you have provided on the previous screens the Summary of Reclamation is:

Activity	Total Affected area (ha)	Estimated cost of reclamation ($)
Surface Bulk Sample	2.90	4,000.00
Subtotal:	2.90	4,000.00
Unreclaimed disturbance from previous year:	0.00	
Disturbance planned for reclamation this year:	0.00	
Total:	**2.90**	**4,000.00**

OTHER CONTACTS

Please enter the contacts that are applicable to your application.

Contact Info		Type of Contact
Name:	Peter Aylen	Mine manager
Phone:		
Daytime Phone:	250-372-1600 ext. 116	
Fax:	250-372-1600	
Email:	p.aylen@absorbentproductsltd.com	
Mailing Address:	724 sarcee Street E Absorbent Products Ltd Kamloops BC V2H1E7	

Name:	Steve Gurney	Tenure Holder
Phone:	250-372-1600	
Daytime Phone:	250-372-1600 ext. 111	
Fax:	250-372-3777	
Email:	s.gurnet@absorbentproductsltd.com	
Mailing Address:	724 Sarcee Street E Kamloops BC V2H1E7	

Name:	Steve Gurney	Permittee
Phone:		
Daytime Phone:	250-372-1600 ext. 111	
Fax:	250-372-3777	
Email:	s.gurney@absorbentproductsltd.com	
Mailing Address:	724 Sarcee Street E Kamloops BC V2H1E7	

Name:	Steve Gurney	Site operator

Phone:
Daytime Phone: 250-372-1600 ext. 111
Fax: 250-372-3777
Email: s.gurnet@absorbentproductsltd.com
Mailing Address: 724 Sarcee Street E
Absorbent Products Ltd.
Kamloops BC V2H1E7

OTHER INFORMATION

Is there any other information you would like us to know? The bulk sample site and surrounding land is not only staked by but also owned by Absorbent Products Ltd

LOCATION INFORMATION

You are required to complete at least one of the following options for spatial information.

☑ I have one or more files (PDF, JPG, PNG etc.) with my maps

MAP FILES

Do you have a PDF or image file of a drawn map? You can upload it here.

Description	Filename
Detail of the bulk sample site showing the positions of the bulk sample site and topsoil and waste dumps	2014BulkSampleDetail.pdf
Regional map showing the distance from Absorbent Products Ltd. Kamloops plant to Tenure #534172	2014BSRegionalMap.pdf
Tenure #534172 showing the location of the bulk sample site	2014BS534172outline.pdf

PRIVACY DECLARATION

PRIVACY NOTE FOR THE COLLECTION, USE AND DISCLOSURE OF PERSONAL INFORMATION
Personal information is collected by FrontCounter BC under the legal authority of section 26 (c) and 27 (1) of the Freedom of Information and Protection of Privacy Act (the Act).
The collection, use, and disclosure of personal information is subject to the provisions of the Act. The personal information collected by FrontCounter BC will be used to process your inquiry or application(s). It may also be shared when strictly necessary with partner agencies that are also subject to the provisions of the Act. The personal information supplied in the application package may be used for referrals or notifications as required. Personal information may be used by FrontCounter BC for survey purposes.For more information regarding the collection, use, and/or disclosure of your personal information by FrontCounter BC, please contact FrontCounter BC at 1-877-855-3222 or at:
FrontCounter BC Program Director
FrontCounter BC, Provincial Operation
441 Columbia Street
Kamloops, BC V2C 2T3
☑ Check here to indicate that you have read and agree to the privacy declaration stated above.

REFERRAL INFORMATION

Some applications may also be passed on to other agencies, ministries or other affected parties for referral or consultation purposes. A referral or notification is necessary when the approval of your application might affect someone else's rights or resources or those of the citizens of BC. An example of someone who could receive your application for referral purposes is a habitat officer who looks after the fish and wildlife in the area of your application. This does not apply to all applications and is done only when required.

We have prepopulated some of the fields for your convenience but you can change in the information at any time. Please note that the information might become available to the public if required.

Company / Organization: Geotex Consultants Limited

Contact Name: Peter Read
Contact Address: 832-470 Granville Street
Vancouver BC V6C1V5
Contact Phone: 604-681-4643
Contact Email: s.22

☑ **I hereby grant permission for the public release of the information provided above. This information will be used to fulfill, if required, the referral and advertising requirements of my application.**

IMPORTANT NOTICES

DECLARATION

☑ By submitting this application form, I, declare that the information contained on this form is complete and accurate.

OFFICE

Office to submit application to: Kamloops

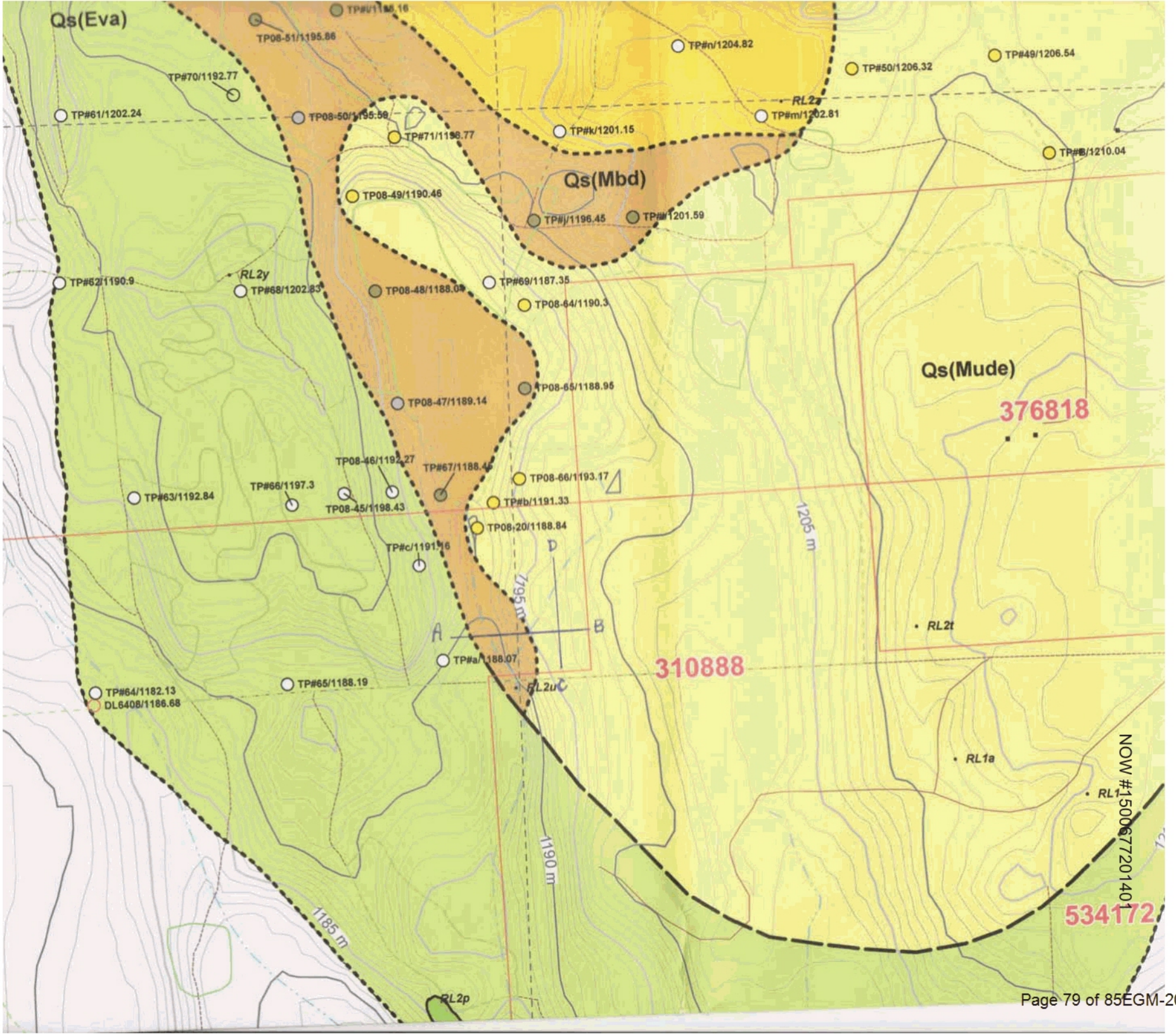
PROJECT INFORMATION

Is this application related to another application(s) or authorization(s) you have previously submitted? Yes

What is the name of your project?

Please provide any of the following: reference number(s), project number(s), tracking number(s), or other descriptive information which would allow us to group these applications together: Tracking Number for Application for Permit of Work 100095473

OFFICE USE ONLY		
Office Kamloops	**File Number**	**Project Number**
	Disposition ID	**Client Number**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Qs(Mbd)
Qs(Mude)
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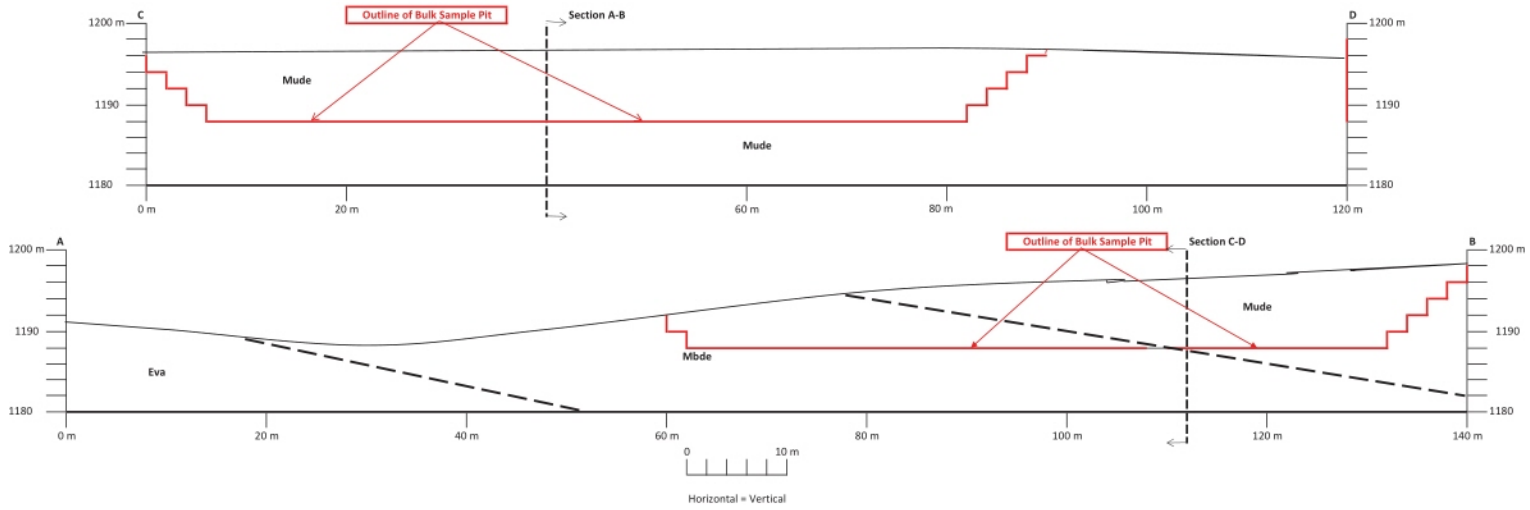
TP#50/1206.32
TP#49/1206.54
RL2a
TP#m/1202.81
TP#k/1201.15
TP#B/1210.04
TP08-49/1190.46
TP#j/1196.45
TP#i/1201.59
TP#62/1190.9
RL2y
TP#68/1202.83
TP08-48/1188.09
TP#69/1187.35
TP08-64/1190.3
TP08-65/1188.95
TP08-47/1189.14
376818
TP08-46/1192.27
TP#67/1188.45
TP08-66/1193.17
TP#63/1192.84
TP#66/1197.3
TP08-45/1198.43
TP#b/1191.33
TP08-20/1188.84
TP#c/1191.16
1205 m
1195 m
A
B
C
D
RL2t
TP#a/1188.07
310888
TP#64/1182.13
DL6408/1186.68
TP#65/1188.19
RL2u
RL1a
RL1
1190 m
1185 m
534172
RL2p
NOW #1500677201401

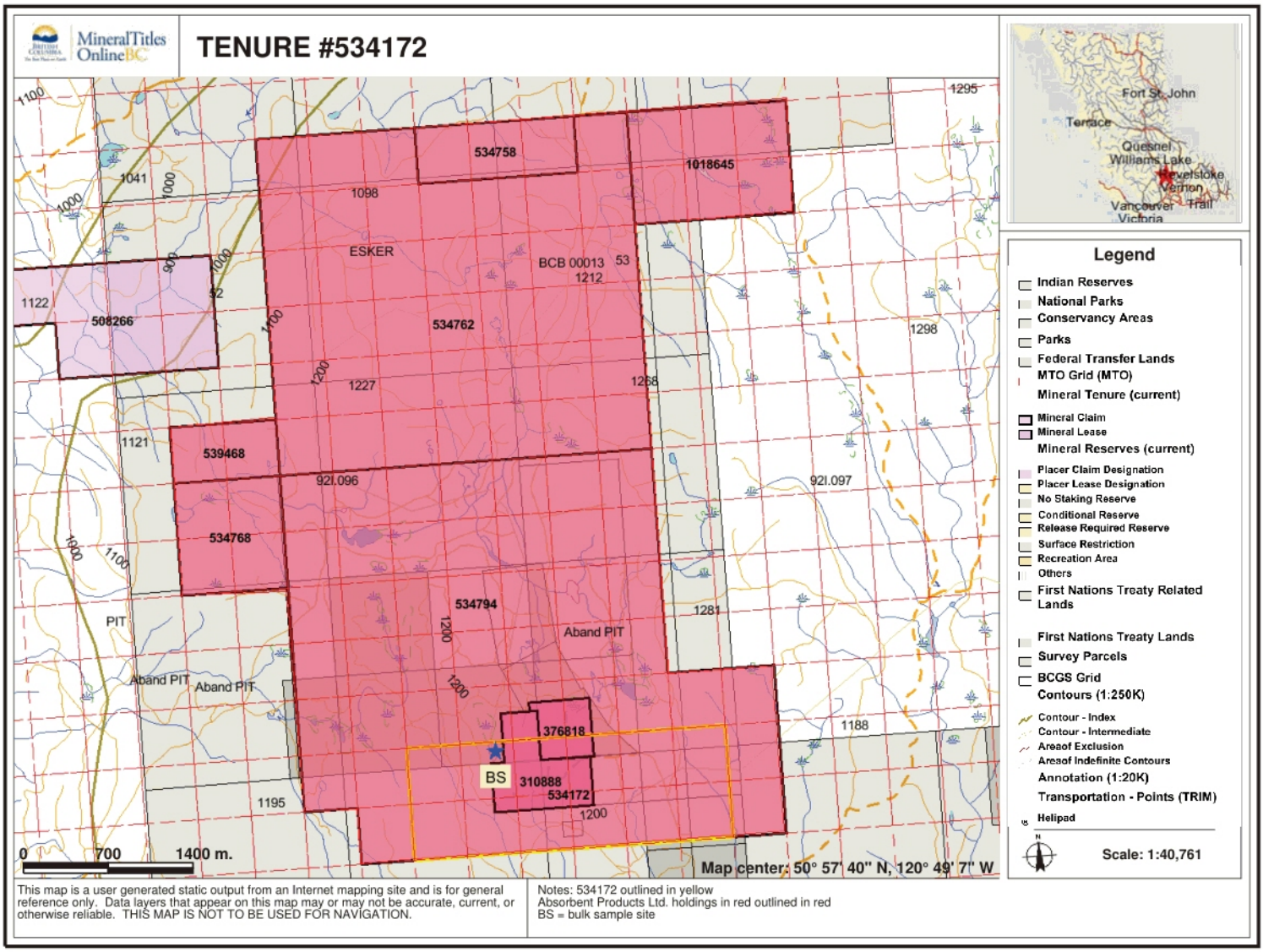
NOW #1500677201401

CROSS-SECTIONS



10:22 AM 2014-04-09

NOW #1500677201401

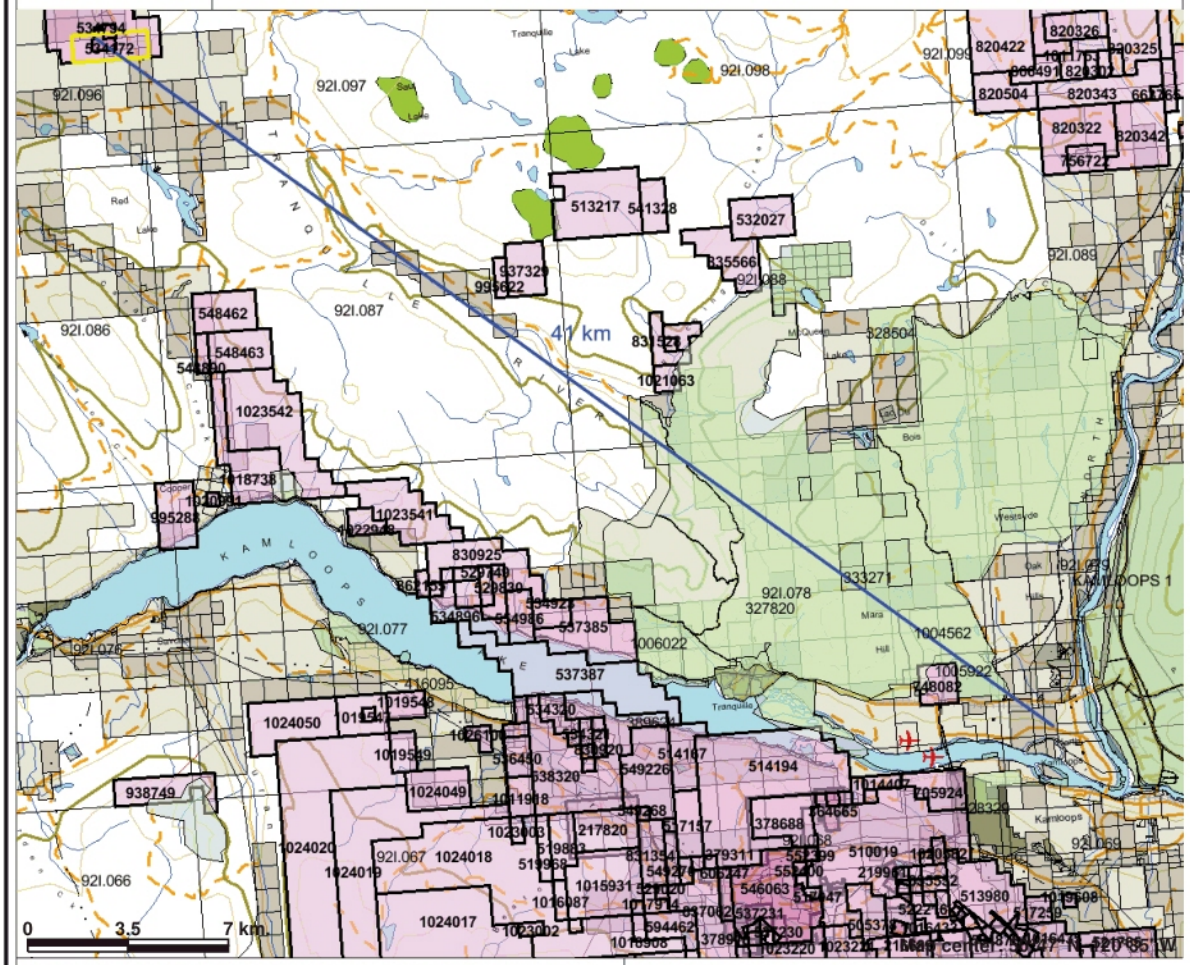


This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Notes: 534172 outlined in yellow
Absorbent Products Ltd. holdings in red outlined in red
BS = bulk sample site

NOW #1500677201401

REGIONAL MAP



Legend

- Indian Reserves
- National Parks
- Conservancy Areas
- Parks
- Federal Transfer Lands

Mineral Tenure (current)

- Mineral Claim
- Mineral Lease

Mineral Reserves (current)

- Placer Claim Designation
- Placer Lease Designation
- No Staking Reserve
- Conditional Reserve
- Release Required Reserve
- Surface Restriction
- Recreation Area
- Others
- First Nations Treaty Related Lands
- First Nations Treaty Lands
- Survey Parcels
- BCGS Grid

Contours (1:250K)

- Contour - Index
- Contour - Intermediate
- Areaof Exclusion
- Areaof Indefinite Contours

Annotation (1:250K)

Transportation - Points (1:250K)

- Airfield
- Anchorage - Seaplane

Scale: 1:203,804

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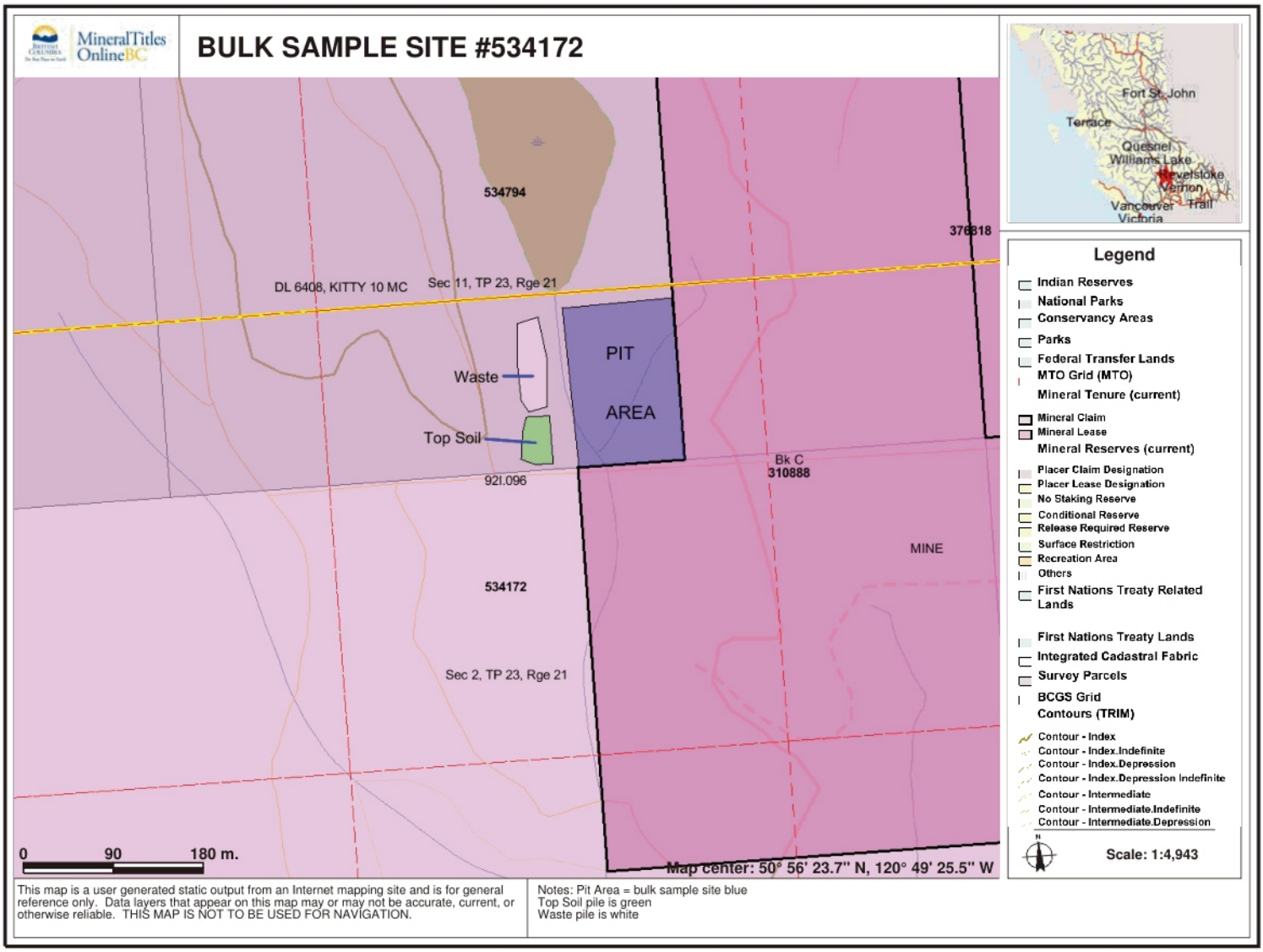
Notes: 41 Km = distance from #534172 to APL's plant in Kamloops



This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Notes: Pit Area = bulk sample site blue
Top Soil pile is green
Waste pile is white

4-15-6

Bank of Montreal

234 Simcoe Street 3rd Floor
Toronto ON M5T 1T4
Tel: 416 598-6112
Fax: 416 598-6076
SWIFT: BOFMCAT2
Telex: MCI 62960

Irrevocable
Standby Letter of Credit

s.17,s.21

Amendment no. **4**
Dated May 30, 2008

Beneficiary:
PROVINCE OF B.C., MINISTRY OF MINES
1675 DOUGLAS STREET
VICTORIA, BC V8W 2G5, Canada

Applicant:
ABSORBENT PRODUCTS LTD.
724 SARCEE STREET
KAMPLOOPS BC V2H 1E7 Canada

We amend our Standby Letter of Credit subject to the following terms and conditions. This amendment forms an integral part of the original instrument. All other terms and conditions remain unchanged.

Amended Terms:

The amount of the Standby Letter of Credit is increased by: CAD 7,000.00 to CAD 111,000.00

The following text has been amended to read as follows:
"--that "Absorbent Products LM. is in default in the performance of its obligations in connection with the Agreement between Absorbent Products Ltd. and the Province of BC, Ministry of Mines for BC Future Site Reclamation Costs on Mining Properties, pertaining to the following permits:
✓Red Lake Quarry - Permit#Q-15-6 - $70,000.00
✓Kitty Claims - Permit#MX-15-162 - $12,000.00
Bud Property - Permit#Q-15-17 - $8,000.00
Bee 1-6 Property - Permit#MX-15-150 - $10,000.00
Bud X IV Property - Permit#MX-15-160 - $3,000.00
Bromley Property - Permit#MX-15-159 - $3,000.00
Kitty 21 Property - Permit#MX-15-189 - $5,000.00

ORIGINAL

Unless otherwise instructed herein, all correspondence and enquiries regarding this transaction should be directed to our Customer Service Centre at the above address, telephone: 416-598-6112. Please indicate our reference number in all your correspondence or telephone enquiries.

Regards,

Authorised Signature(s)

ELAINE CLARKE

MARGARET [illegible]

ORIGINAL