Registration Pursuant to
Part X of
The Environmental Protection Act

For
The Golden Promise Property
Bulk Sample

Badger Area,
Central Newfoundland

Crosshair Exploration & Mining Corp.
Vancouver, British Columbia

August 20, 2010

REGISTRATION FORM

Pursuant to Part X of

The Environmental Protection Act

NAME OF UNDERTAKING: Golden Promise Property Bulk Sample

PROPONENT:

(i) Name of Corporate Body: Crosshair Exploration & Mining Corp.

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V6E 4G1

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SUMMARY

Crosshair Exploration & Mining Corp. (Crosshair) is the holder of Map Staked Mineral Licences (MSML) 17799M, 17793M, 17795M, 17348M, 16711M and Mining Lease ("ML") 209 near Badger, Newfoundland, which collectively form the Golden Promise Property. Crosshair proposes to collect a bulk sample (approximately 2500 tonnes of rock) from a portion of the Jaclyn vein system located on ML 209 (within MSML 17799M). Crosshair is currently in negotiations with Rambler Metals and Mining PLC to process the material at the Nugget Pond Mill owned by Rambler Metals and Mining Canada Limited (Rambler) located on the Baie Verte Peninsula.

In 2002, local prospector, William Mercer discovered gold-bearing float in the area; one composite sample from about 10 boulders assayed approximately 30 grams per tonne (g/T) gold. Soon after this discovery, Rubicon Minerals Corporation optioned the property from Mr. Mercer, and conducted follow-up prospecting, sampling and geophysics surveys. In 2003, Rubicon optioned the property to Placer Dome Canada Ltd. This partnership continued through to 2005 resulting in significant drilling and regional exploration programs. In 2006, Rubicon optioned the property to Crosshair and several phases of diamond drilling were completed, including the most recent program consisting of 7219.6 metres (m) in 38 holes. To date over 22,000 metres in 136 holes have been drilled on the Golden Promise Property.

The Golden Promise Property is situated within the Dunnage tectonostratigraphic zone and is underlain by rocks of the Victoria Lake Supergroup and Badger Group. The Victoria Lake Supergroup is host to numerous significant volcanogenic massive sulphide deposits (*ex. Duck Pond and Boundary Deposits*) and gold occurrences (*ex. Midas Pond*). Rocks of the Victoria Lake Supergroup are stratigraphically overlain by a regionally extensive sequence of Carodocian black shale which separates rocks of the Victoria Lake Group to the south from overlying Ordovician to Silurian siliciclastic sediments of the Badger Group to the north. The Badger Group sediments are comprised of a flyschoid sequence of argillite, greywacke, and conglomerate that ranges from Middle Ordovician to Early Silurian in age.

The proposed trenching and bulk sampling project will occur within a historically disturbed area on the Golden Promise Property. The bulk sample will consist of approximately 2500 tonnes of rock taken from a trench approximately 200 m in length and 10 m in width. Crosshair is fully committed to a reclamation/restoration program upon completion of the project in the late fall of 2010. All equipment will be removed and the trench will be allowed to flood to an equilibrium level. Prior to flooding, the slopes above and below the equilibrium level will be sloped to provide areas for easy and safe entry/egress. The overburden stockpile not used in the reclamation will be covered with organics and seeded on benches to reduce erosion and promote natural revegetation.

Several samples were taken to investigate the potential for acid rock drainage (ARD). As all waste rock will be returned to the trench and will be underwater, there is little likelihood of any potential ARD. The mineralized material extracted from the trench will be on the lay down area for only a short period before being sent to a mill for processing. Crosshair is currently in negotiations with Rambler to process the ore material at the Baie Verte Nugget Pond Mill. This

mill is currently processing ore coming from Tenacity Gold Mining Company Ltd. projects on the Baie Verte Peninsula.

The Golden Promise bulk sampling project will allow Crosshair to further evaluate the project and determine the suitability of the mineralization to be processed at a mill prior to moving forward towards a full scale mine project.

Jaclyn Main Area

Historical Trench at Jaclyn Main Area

Jaclyn Vein Area Existing Disturbance

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1 THE UNDERTAKING

1.1 NATURE OF THE UNDERTAKING

Crosshair Exploration & Mining Corp. (Crosshair) is the holder of Map Staked Mineral Licence No. 017799M and Mining Lease 209, located approximately 27 kilometres (km) southwest of Badger Central NL (Figure 1). Crosshair proposes to expand the existing trenches and obtain a 2,500 tonne rock sample to truck to an operating mill near Baie Verte. Crosshair is currently in negotiations with Rambler PLC to use the operating Nugget Pond gold mill to treat the mineralized material.

1.2 PURPOSE/RATIONALE/NEED FOR THE UNDERTAKING

The Golden Promise gold-bearing quartz vein is extremely variable both in width and grade. Typically in these deposits the grade is erratically distributed and it has been demonstrated in other similar deposits that the true grade can only be determined by taking large bulk samples. In order to fully evaluate the potential of this deposit for future mining, it is necessary to obtain additional information on both the grade and milling characteristics.

2 DESCRIPTION OF THE UNDERTAKING

2.1 GEOGRAPHICAL LOCATION

The Golden Promise Property is located on NTS map sheet 12A/16, immediately west of the town of Grand Falls-Windsor, central Newfoundland (Figure 1). The work area is located approximately 27 km southwest of the community of Badger and about 3 km southeast of the junction of the Exploits River and Noel Paul Brook. Access is good, though somewhat indirect, as the woods roads and ATV trails that traverse the exploration site are branch sites off the Black Duck Road which is the main logging artery on the south side of the Exploits River. It is an approximately 70 km drive from the Exploits River crossing at Grand Falls-Windsor to the work area.

The Golden Promise Property includes several Map Staked licences, 017799M, 017793M, 017795M, 017348M, and 016711M. The proposed bulk sampling program will be carried out entirely within licence 017799M on Mining Lease 209.

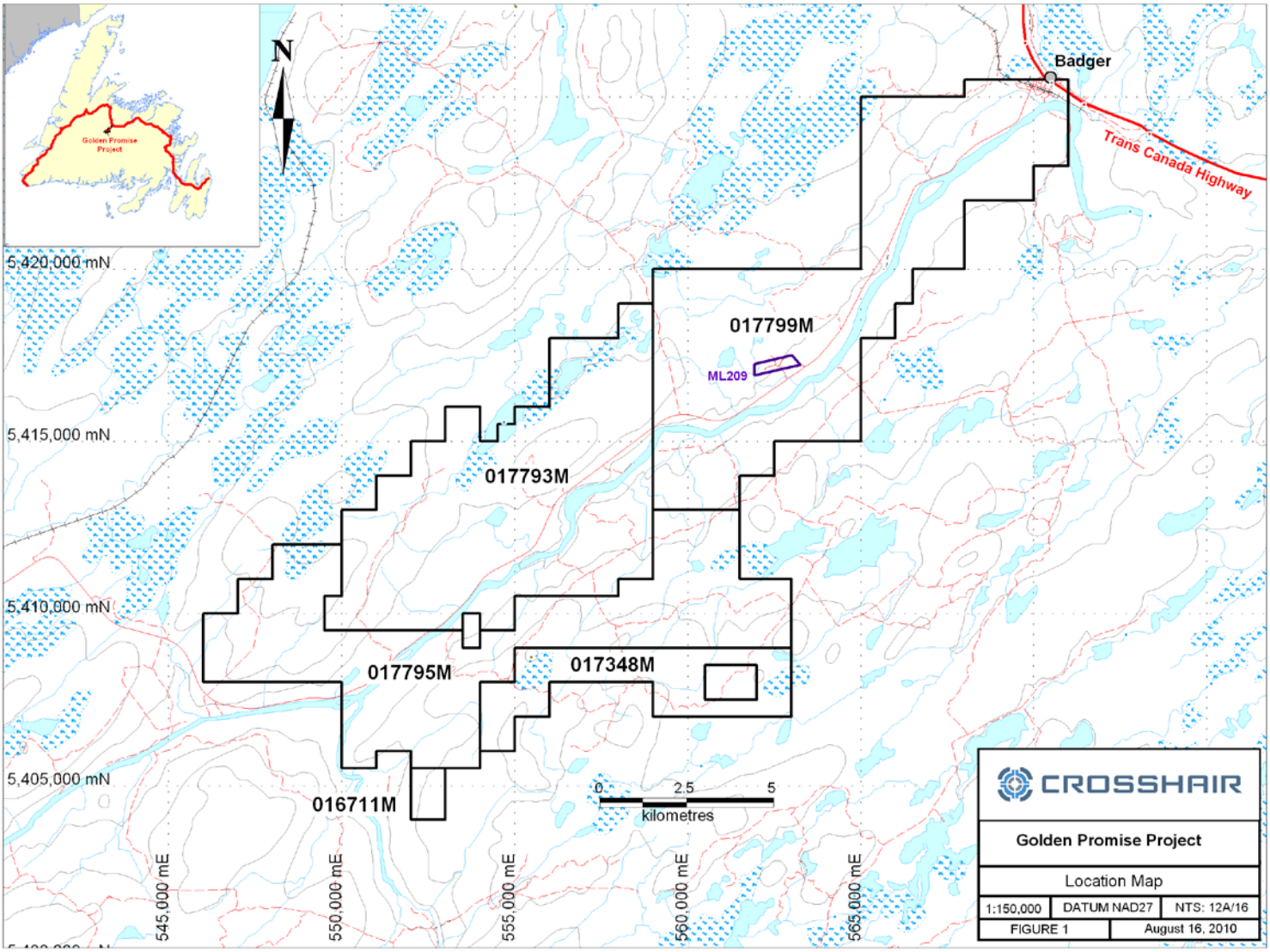

Figure 1: Location Map

2.2 PHYSICAL FEATURES

Geographical Setting

The Golden Promise Property, is located along both sides of the Exploits River for a distance of approximately 27 km extending upstream from the Town of Badger. The river flows from the Red Indian Lake and discharges into the Bay of Exploits near the port town of Botwood. The proposed trench will be located approximately 1 km northwest of the River. Approximately 100 m west of the proposed trench is a small tributary that runs into the Exploits River.

The dominant vegetation cover is spruce with minor fir and birch. The valleys are frequently boggy and alder filled, and there are some barren areas. Large areas of the property were burned over in a major forest fire in 1999 and much of the salvageable timber has been harvested. The area is also covered by several surficial features including a till blanket and till veneer consisting of ridged till, hummocky terrain, glaciofluvial gravel and sand deposits, and alluvium which conceal the underlying bedrock.

Topography

The Golden Promise Property is characterized by a northwest trending topographic grain which is expressed as a series of low, northeast trending ridges and valleys. Many of the ponds and rivers on the property follow this overall trend.

Climate

The climate is somewhat harsher than other parts of Newfoundland as the property is situated more than 75 km from the moderating effects of the Atlantic Ocean. The summers are still rather pleasant, while the spring and autumn are typically cool and wet. Winters are snowy, often windy, and usually quite frigid with temperatures frequently dropping close to -30˚C at night.

Water Quality

Crosshair has not carried out any sampling programs on the existing water resources in the area. The historical exploration trenches are currently flooded to levels near-surface; however, there is no apparent surface discharge from these areas.

Wildlife Species & Fish

Wildlife observed in the area includes occasional moose, caribou, bear, coyote, snowshoe hare and small birds. The tributary to the west of the trenched area is very small, not currently frequented by local fisherman and Crosshair personnel have not observed any signs of fish. The stream itself in the area west of the trenching flows through a grassy bog and averages one metre in width and 10-20 centimetres deep. The stream runs into

the Exploits River, which is a habitat for Atlantic salmon, brook trout, threespine stickleback, and other species of fish.

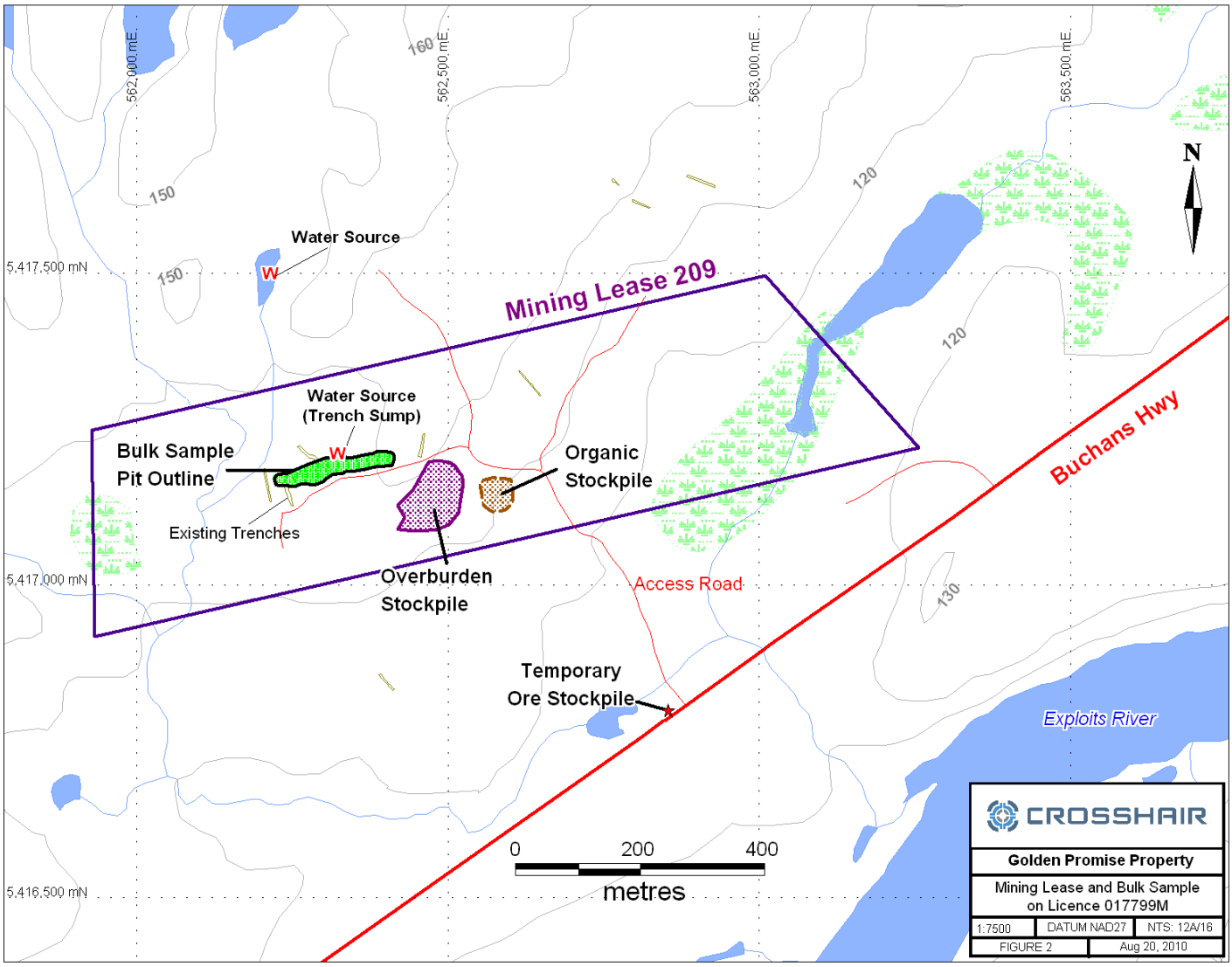

Figure 2: Property Map

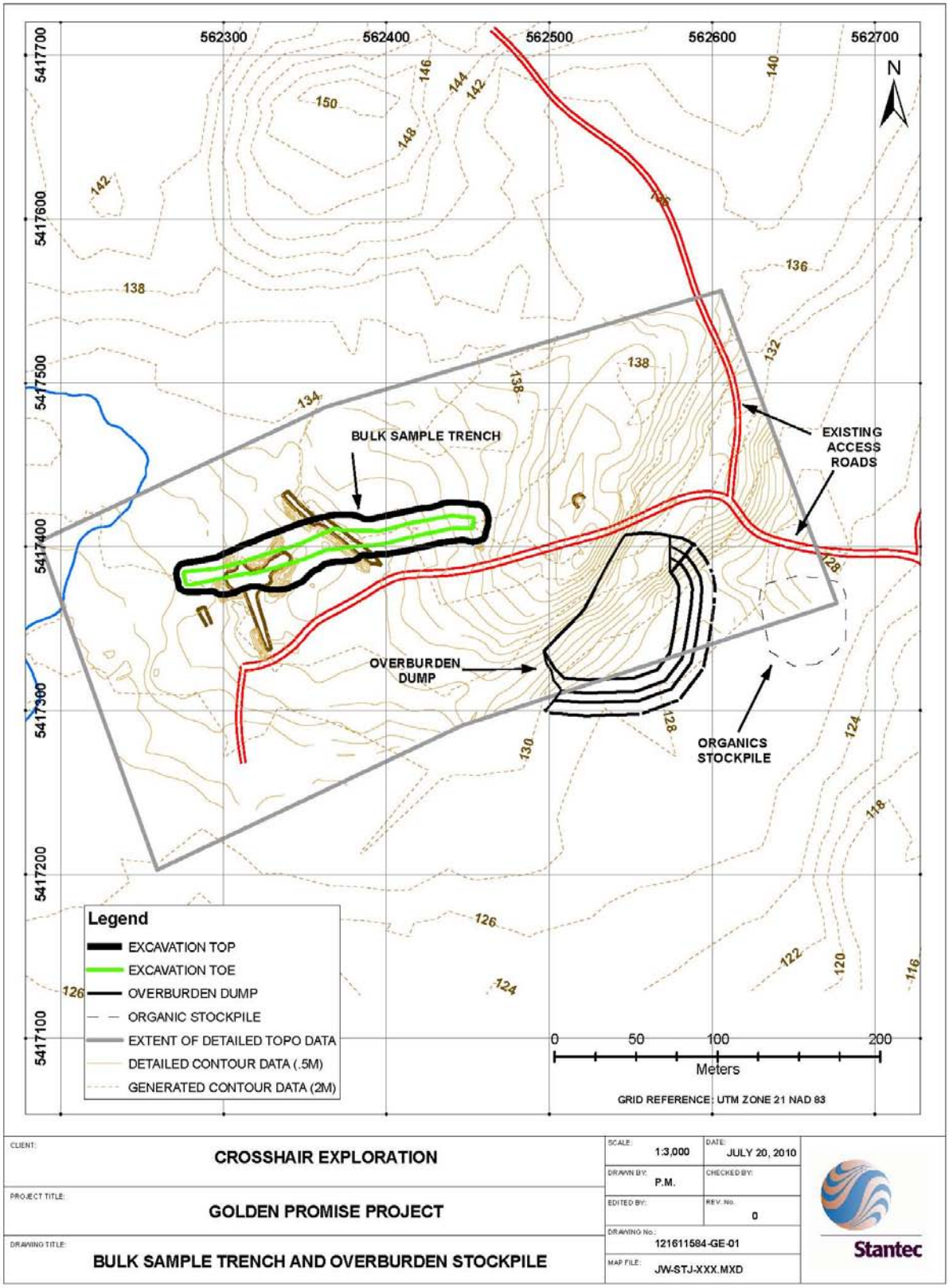

Figure 3: Detailed Project Area

2.3 INFRASTRUCTURE

The only infrastructure is the existing access road from the Buchan's Highway to the historical trench area. No new construction, infrastructure such as power lines, dams, stream diversions or permanent buildings will be required for the proposed undertaking.

Access Road

The existing road from the Buchan's Highway (Figure 2) to the historical trenches is approximately 800 m in length and has been in use since 2004. It is in reasonable shape for pick-up trucks and off-road equipment and will not require upgrading.

Stockpiles

There are no existing stockpiles. All proposed stockpiles are located greater than 25 m from any body of water. The organic material and soil will be stockpiled separately from the overburden so that it is available for rehabilitation of the disturbed areas. There will be little waste rock involved in the extraction of the bulk sample. Any remaining rock will be returned to the trench during reclamation. The mineralized material will be stockpiled near Buchan's highway, and at least 20 m from the adjacent wet area/brook, for only a short time prior to being trucked to Baie Verte. Stockpile locations have been selected to ensure that drainage from the stockpiles occurs to the south and not to the west to the nearby tributary.

Electrical Power

No electrical power lines will be required for the undertaking. If necessary, lighting will be provided by a small portable diesel generator.

Buildings & Accommodation

There will be a portable trailer on site used as an office and it will be removed upon completion of the project. Portable toilets will be located near the trailer at least 25 m from the workplace and away from any bodies of water and will be removed upon completion. The workers that are not local and who do not commute on a daily basis will be lodged in Badger motels.

Equipment

Equipment will consist of an excavator, bulldozer, air compressor and portable air drill, and 2 or more dump/haul trucks. Fuel will be supplied via a licensed supplier on an as-needed basis. No large quantities of fuel will be stored on site. Spill-kits will be located on site.

Potentially Affected Areas

The affected area will be confined principally to the historical trench area and the overburden stockpile (Figures 2 & 3). The trench covers an area approximately 200 m by 40 m. The overburden stockpile will cover an area of approximately 1,000 m^2. As discussed in the Reclamation Section below, the overburden stockpile will be graded and seeded. The trenches will be contoured to provide easy access and egress and then allowed to flood to the natural equilibrium.

2.4 TRENCHING OPERATION

The undertaking is a relatively small operation involving the removal of approximately 16,500 m^3 of overburden and 1,000 m^3 of rock. It is anticipated that the stripping of the overburden and removal of the overburden will occur in mid to late October as soon as approval has been granted. The operation will take approximately 6 to 8 weeks to complete. The project completion date is dependent on weather but is estimated to be December 2010. Reseeding is weather dependent and may have to be deferred until the spring of 2011.

The initial work will involve removing the sparse trees and vegetation from the immediate historical trench area using chain saws and bulldozers where required. . The vein in this area is covered by 3 to 9 m of overburden, which will be removed in stages with benches established for safety. Once the vein is exposed it will be washed, geologically mapped and sampled with rock saws.

Upon completion of the sampling the vein will be blasted open to a depth of approximately 2 m and to a width varying from 1.5 to 4 m. Drill operation will use a small air- track drilling rig. Removal of the ore materials will be conducted using controlled pre-packaged explosives. As the width and depth of the vein excavation is very limited, lightly loaded, precise blasting is required. The vibration and blast resulting from these operations would be extremely small, but will be further dampened by using blasting mats.

After blasting, the mineralized rock will be removed by excavator and loaded into trucks and taken to the temporary lay down pad, located near the Buchan's Highway. It is anticipated that the ore will be removed from the pad using a front-end loader and loaded into 30 tonne highway haul trucks for the trip to Baie Verte within a few days of removal from the trench. Upon completion of the trucking, the temporary stockpile will be graded to its original level.

2.4.1 Potential Sources of Pollution

Water

The existing trenches will have to be drained and the proposed trench will have to be cleaned with water prior to mapping and sampling. A sump equipped with a pump will be installed within the pit to allow for dewatering. Excess water pumped out of the trench will be pumped to a small settling pond (estimated to be approximately 10m^2 excavated in overburden). For the minimal discharge expected and to provide additional natural treatment, the discharge will be directed to existing vegetation away from existing water bodies and allowed to flow into the ground. Oil absorbent "socks" will be maintained in the sump and settling pond if necessary to collect any trace levels of hydrocarbons from operating equipment in the pit. The majority of suspended solids will be collected in the in-pit sump and therefore maintenance of the settling pond is expected to be minimal.

Noise

There are no inhabitants in the area. All vehicles will be inspected to ensure mufflers will be operating properly. Blasting will be very limited in size and controlled as described above. The period of blasting will be limited to less than a week in duration.

Air Emissions

All vehicles are required to be in a good and safe operating condition.

Dust

There may be limited dust produced during the blasting and removal of the rock from the trench. If needed, water will be used to control any dust situations. Haulage of the mineralized material has the potential to allow dust and fine material to get into any water bodies close to the road. If necessary, dust will be controlled by application of water to the road. The rock haulage trucks will be covered and will be hauling relatively large material (10 cm to 30 cm in size) along the Trans Canada highway and the route to Nugget Pond (via Routes 410, 414, and 416). Dust is not anticipated to be a concern. The rock will be hauled over a 5 to 8 day period.

Fuel and Lubricants

The undertaking poses a risk for the release of diesel fuel and lubricants from the heavy equipment. Crosshair will ensure that all contractors and company equipment are inspected daily and shipped to the site in good working order and free of leaks. Equipment maintenance and fuelling activities will be performed at designated sites in compliance with applicable regulations. Fuel for all heavy equipment will be supplied by a licensed supplier on an as-needed basis. No large quantities of fuel will be on-site, only minor amounts to run generators as required. No fuel will be stored within 100 m of a water body. Spill kits will be located on-site.

Sewage

Sewage will be controlled by the use of portable toilets maintained by a local supplier. The holding tank will be emptied by a pump truck on a regular basis. The toilets will be at least 25 m away from any bodies of water and will be removed upon completion of the project.

Waste and Garbage

Work areas will be kept clear of waste and litter and all food waste will be placed in containers secured from wildlife. All solid waste and garbage will be collected and hauled on a regular basis to an existing local landfill facility, where it will be deposited with the permission of the facility operator.

No waste will be burned on-site.

No hazardous waste is anticipated to be generated on site. In the unlikely event that there is hazardous waste on site (e.g. waste oil), the material will be place in an approved container and delivered to a licensed waste disposal contractor.

Potential for Acid Rock Drainage (ARD)

Crosshair has taken 8 representative samples from the quartz vein and 2 wall rock samples for static ARD (acid base accounting) testing at SGS Laboratories. Results of the test work are shown in Table 1. The quartz vein (QV as shown in Table 1) contains 2-5% sulphides, consisting of pyrite, arsenopyrite, chalcopyrite, galena and sphalerite. The wall rock (wall rk as shown in Table 1) occasionally contains minor pyrite in trace to 1% amounts.

The test results indicate that the ore or quartz vein samples range from potentially acid generating (NP/AP =1.51) to non-acid generating (NP/AP = 278). For wall rock or waste rock, the two samples tested indicate that these materials are non-acid generating (NP/AP = 643 to 762).

As there will be little or no waste rock removed and any waste rock remaining will be returned to trench bedrock surface and will be under water, there is effectively no potential for ARD generation. Material from the quartz vein will be stockpiled for a very limited time before trans-shipment to the mill in Baie Verte and there is little potential for ARD during this time. The excavated ore will be transported to the Nugget Pond Mill for processing. This mill deposits tailings to a fully permitted sub-aqueous tailings impoundment and therefore no acid generation will occur as a result of processing the ore.

2.4.2 Potential Resource Conflicts

Very limited resource conflicts are expected during the short time frame of the undertaking. Wildlife has been observed in the past but sightings are not numerous. The site is situated in the following hunting and trapping areas:

- Moose Management Area 13 (Gaff Topsails)
- Caribou Management Area 66 (Gaff Topsails)
- Black bear management areas are the same as for moose
- The Topsails Small Game Management Area

Hunting or fishing by the operators is prohibited.

Timber leases formerly held by Abitibi Consolidated were extinguished when the province expropriated the Abitibi Consolidated assets in 2008. No marketable timber exists in the area as the property has been burned over in 1999.

No new roads will be constructed and no new stream crossings will be created. Fish, wildlife and their habitats will not be disturbed or destroyed during or after the undertaking. Any future land use activities such as wood cutting, fishing and hunting will not be affected by the trenching operations. There will be no significant water use by the project. Water used in the washing of the trench will be obtained from local sources such as the other existing trenches as already permitted under WUL-10-011 and will be minimal.

TABLE 1 Geochemistry ARD Test Results

Report No. **CA11019-MAY10**
Customer **Crosshair Exploration & Mining Corp**
Attention **C.Stewart Wallis**
Title **Final Report**

Sample ID		5992	5994	5995	5997	5451	5452	5453	5465	5468	5469
Analysis	**Units**										
Paste pH	units	8.95	8.85	9.11	9.08	7.96	8.42	8.53	9.07	8.96	8.83
Fizz Rate	---	4	3	4	4	1	1	1	2	2	2
Sample	weight(g)	2.02	1.97	2.03	1.95	2.02	2.01	2.03	2.04	2.00	1.96
HCl added	mL	82.60	145.00	121.30	56.50	20.00	20.00	20.00	20.00	20.00	20.00
HCl	Normality	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH	Normality	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
NaOH to	pH=8.3 mL	39.30	51.90	40.40	22.90	18.40	1.18	18.20	1.64	1.50	1.36
Final pH	units	1.60	1.74	1.90	1.76	1.27	1.14	0.98	1.67	1.35	1.23
NP	t CaCO3/1000t	107	236	199	86.2	4.0	18.2	4.4	10.4	46.2	47.6
AP	t CaCO3/1000t	0.68	0.31	0.31	0.31	1.25	2.81	0.31	6.89	0.31	0.62
Net NP	t CaCO3/1000t	107	236	199	85.9	2.75	15.4	4.09	3.51	45.9	47.0
NP/AP	ratio	158	762	643	278	3.20	6.48	14.2	1.51	149	76.8
Total Sulphur	%	0.038	0.015	0.007	0.027	0.082	0.166	0.020	0.310	0.020	0.059
Acid Leachable SO4-S	%	0.02	0.02	< 0.01	<0.01	0.04	0.08	0.02	0.09	0.02	0.04
Sulphide-S	%	0.02	< 0.01	< 0.01	< 0.01	0.04	0.09	< 0.01	0.22	< 0.01	0.02
Total Carbon	%	1.48	3.19	2.87	1.24	0.024	0.034	0.031	0.397	0.206	0.159
Carbonate (CO3)	%	6.18	15.0	13.6	5.32	0.080	0.086	0.062	1.11	0.787	0.424
DESCRIPTION		QV	wall rk	wall rk	QV	QV	QV	QV	QV	QV	QV
sulphide content		3%	0	0	tr	3-5%	3-5%	3-5%	5%	3-5%	3-5%

2.5 RECLAMATION

Reclamation of the trench and overburden stockpile will commence upon completion of the extraction of the bulk sample. The reclamation work is estimated to take approximately two weeks and should be completed by the end of November if the weather permits.

All equipment and signage and any other non-natural features associated with the collection of the bulk sample will be removed from the site upon completion. The trench will be allowed to flood to an equilibrium level and any drainage, though not anticipated will be directed to a vegetated area to the north. Prior to flooding any waste rock will be put into the trench and the slopes above and below the equilibrium water level will be sloped to provide areas for safe entry and egress. The overburden dump will be constructed with a low-angle slope with benches incorporated for safety and rehabilitation. Overburden not used in rehabilitation will be covered with organics and seeded to reduce erosion and to promote natural revegetation. The general site disturbed areas be scarified as necessary, covered with organics and seeded.

2.6 OCCUPATIONS

The undertaking will employ up to 15 people for a period of six to eight weeks on a daily 8 to 10 hr shift. The excavation, blasting, and haulage will be contracted out to local independent contractors. Crosshair employees and contract labourers will carry out the geological mapping and sampling. All positions are open to both male and females. Crosshair supports equal opportunity employment and will require the same from contractors where possible. Stantec Consulting Ltd. (Stantec) will provide additional on-site management as needed. Required personnel are listed in Table 2 below.

Table 2 Occupations Required for the Golden Promise Bulk Sampling Project

Occupation	Number Required	National Occupation Classification
Supervisor Mining engineer - Stantec	1	2143
Geologists-Crosshair	3	2113
Blasters- contractor	3	7372
Geological Technician Crosshair	2	2212
Labourer - Crosshair	2	8611
Heavy Equipment operators-contractor	2	7421
Ore haul contractor	2	7411

2.7 PROJECT RELATED DOCUMENTS

There are no relevant environmental documents or studies related to the Golden Promise Project or the immediate area.

3 APPROVAL OF UNDERTAKING

The approvals outlined in Table 3 will be required for the Golden Promise undertaking.

Table 3. Required Permits, Approval, or Authorizations

Permit, Approval, or Authorization	Issuing Agency	Status & number	Date approved
Mining Licence	Dept Natural Resources	#17799M	June 21, 2010
Mining Lease	Dept Natural Resources	#209	July 5, 2010
Exploration Approval	Dept Natural Resources	E100019	Jan 29, 2010
Exploration Approval	Dept Natural Resources	E100055	Mar 5, 2010
Exploration Approval	Dept Natural Resources	pending	
Temporary Water Use Licence	Department of Environment & Conservation	WUL-10-011	Jan 21, 2010
Operating Permit Cutting Permit & Permit to Burn	DNR - Forest Services Branch –local office	10-12-00866	Jan 2010
Release from Environment Assessment	Minister of Environment & Conservation	pending	
Blasting Safety Certificate and Magazine licence -(contractor to obtain)	Department of Government Services		
Approval for waste disposal	Local municipality-Badger		
Permit to Occupy Crown Lands	Department of Environment & Conservation		

4 SCHEDULE

The trenching is scheduled to commence in October upon receipt of all approvals. It is necessary to carry out the operation before significant snowfall and inclement weather hinders the mapping and sampling of the trench. The work is estimated to take 6 to 8 weeks and completion is scheduled for December 2010. Reseeding may have to be postponed until 2011 depending on the weather conditions.

5 FUNDING

Crosshair will wholly finance the proposed Undertaking with currently available funds. There is no requirement for a loan or grant from any government agency.

6 SUBMISSION

August 23, 2010

Date

Name: Stewart Wallis, P.Geo.
Title: President & CEO