ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT:

TOTAL COST:

AUTHOR(S):
SIGNATURE(S):

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): MX-GEN-114 / June 19, 2008
STATEMENT OF WORK EVENT NUMBER(S)/DATE(S):

YEAR OF WORK: 2008

PROPERTY NAME: Mt. Milligan

CLAIM NAME(S) (on which work was done): 512904

COMMODITIES SOUGHT: Cu, Au

MINERAL INVENTORY MINFILE NUMBER(S),IF KNOWN:

MINING DIVISION: Omineca
NTS / BCGS: 93N/01, 93K16
LATITUDE: _55_° _07_' _00_"
LONGITUDE: _-124_° _02_' _00_" (at centre of work)
UTM Zone: 10 N EASTING: 434,088 NORTHING: 6,108,263

OWNER(S): Terrane Metals Corp.

MAILING ADDRESS:

1500-999 West Hastings St.
Vancouver, BC
V6C 2W2

OPERATOR(S) [who paid for the work]: Terrane Metals Corp.

MAILING ADDRESS:

REPORT KEYWORDS: andesite, monzonite, Triassic-Jurassic, Witch Lake Formation, potassic, propylitic, geotechnical

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:
28712, 28210, 28209, 25299

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for …)			
Soil			
Silt			
Rock			
Other			
DRILLING (total metres, number of holes, size, storage location)			
Core			
Non-core	16 holes/ 548.9 m	512904	$224,968.61
RELATED TECHNICAL			
Sampling / Assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale/area)			
PREPATORY / PHYSICAL			
Line/grid (km)			
Topo/Photogrammetric (scale, area)			
Legal Surveys (scale, area)			
Road, local access (km)/trail			
Trench (number/metres)			
Underground development (metres)			
Other	9 test pits	512904	$34,779.95
		TOTAL COST	$259,748.56

Mt. Milligan Project 2008 Geotechnical Diamond Drilling / Test-Pitting Program

Omineca Mining Division
(NTS 93N/01, 93K/16)
55°01' N Latitude / 124°06' W Longitude

Prepared for Terrane Metals Corp
April 2009

Work performed in claims:
512904

Darren O'Brien, B.Sc., P. Geo.
Kory Dumas, B.Sc.

May, 2009

Table of Contents

Tables

Figures

Appendices

Introduction

In the summer and fall of 2008, geotechnical work was undertaken at the Mt. Milligan project in anticipation of planned mine construction at the site. A total of 14 geotechnical holes were drilled to investigate near surface foundation conditions and material types below the proposed sites for mine structures, and 2 test well holes were drilled to locate a groundwater source for the planned mine camp. In total, 548.9 m of drilling was completed. 9 test pits were also completed beneath the proposed structure sites to determine near surface material characteristics and foundation conditions.

Location

The Mt. Milligan property is located within the Omenica Mining Division in North Central British Columbia within NTS map sheets 94N/1 and 93O/4, approximately 155 km northwest of Prince George, 86 km north of Fort St. James, and 95 km west of Mackenzie (Figure 1). The property centre is at 123°57'11' west longitude and 55°6'6" north latitude (UTM Zone 10, NAD83 coordinates 6,106,525 m east, 439,198 m north). The deposit area is at approximately 124°1"30" west longitude and 55°7'35" north latitude (UTM Zone 10, NAD83, 434,640 m east and 6,109,337 m north).

Access

Mt. Milligan is accessible from the west via the North Germansen Road and the Rainbow Creek Forest Service Road. This route includes 30 km of forest service roads, with the balance on public roads. Alternatively, the property is accessible from the east via Mackenzie on the Finlay Philip Forest Service Road and the North Philip Forest Service Road. Road travel to the site is 775 km from Prince Rupert and 254 km from Prince George.

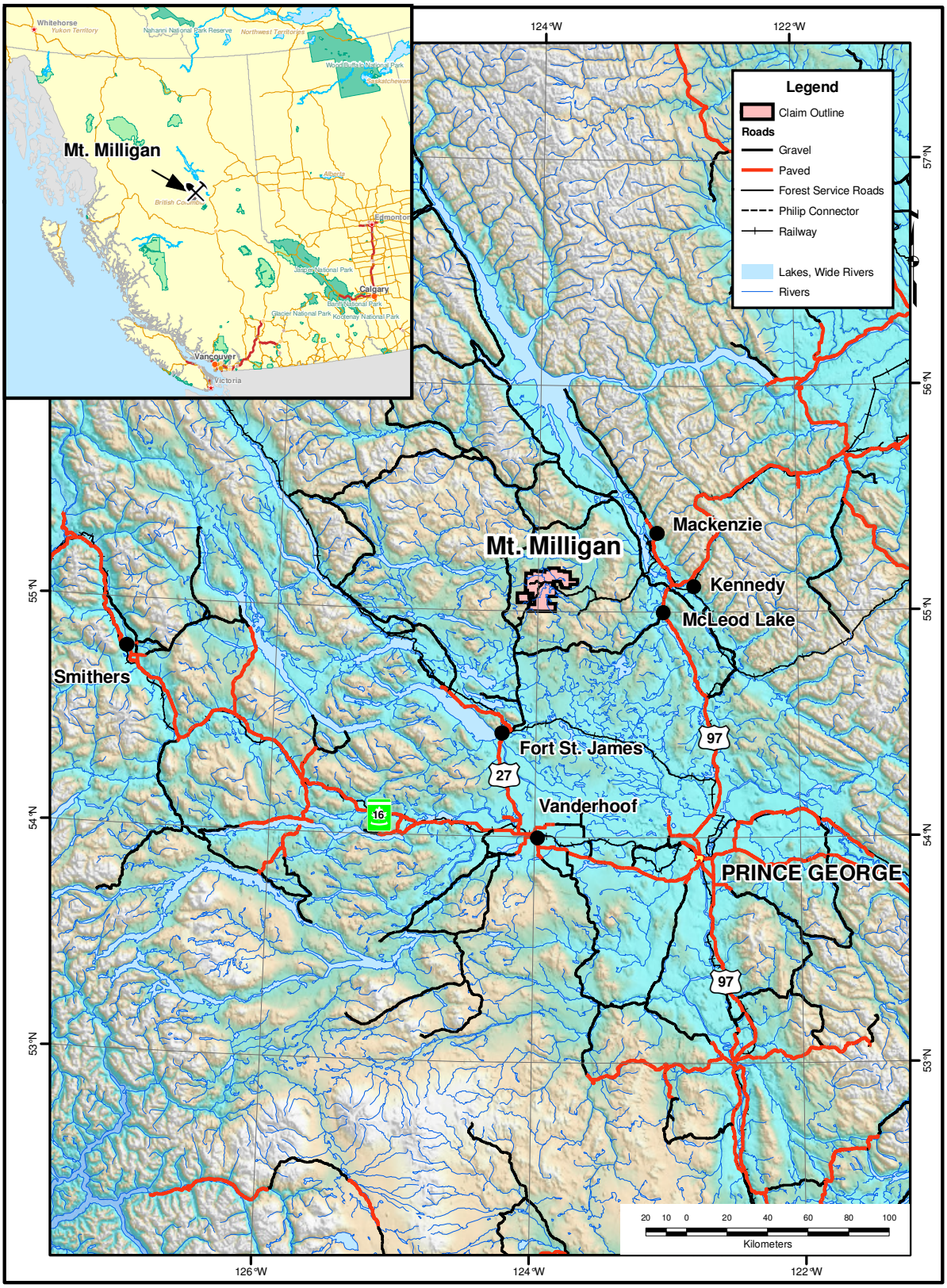


Figure 1: Mt. Milligan Location

Property Description and Ownership

The Mt. Milligan property consists of 96 mineral claims with a combined total area of 42,168 ha (Figure 4, at end of report). Claims status was searched on the British Columbia Energy and Mines, Mineral Titles Online BC (MTO) website. Table 1 is taken directly from the downloaded file generated by MTO. All claims are indicated to be in good standing until at least December 1, 2009. The claims are listed under Client 205910, Terrane Metals Corp.

Tenure Number	Claim Name	Owner	Tenure Type	Map Number	Good To Date	Status	Area (ha)
512884		205910 (100%)	Mineral	093N	2011/dec/29	GOOD	369.63
512887		205910 (100%)	Mineral	093N	2011/dec/29	GOOD	295.84
512888		205910 (100%)	Mineral	093N	2011/dec/29	GOOD	369.98
512890		205910 (100%)	Mineral	093N	2011/sep/10	GOOD	296.12
512891		205910 (100%)	Mineral	093N	2011/feb/28	GOOD	554.45
512892		205910 (100%)	Mineral	093N	2010/dec/29	GOOD	443.77
512894		205910 (100%)	Mineral	093N	2010/dec/29	GOOD	554.97
512896		205910 (100%)	Mineral	093N	2011/jun/20	GOOD	444.18
512897		205910 (100%)	Mineral	093N	2011/sep/10	GOOD	444.34
512901		205910 (100%)	Mineral	093N	2011/apr/26	GOOD	554.48
512903		205910 (100%)	Mineral	093N	2013/apr/26	GOOD	462.33
512904		205910 (100%)	Mineral	093N	2011/apr/26	GOOD	555.12
512907		205910 (100%)	Mineral	093N	2011/sep/08	GOOD	424.90
512909		205910 (100%)	Mineral	093N	2011/sep/10	GOOD	351.09
512910		205910 (100%)	Mineral	093O	2010/sep/10	GOOD	332.82
512912		205910 (100%)	Mineral	093O	2010/sep/10	GOOD	388.56
512913		205910 (100%)	Mineral	093O	2011/sep/02	GOOD	665.24
512915		205910 (100%)	Mineral	093O	2010/mar/05	GOOD	554.97
512917		205910 (100%)	Mineral	093O	2010/sep/03	GOOD	444.12
512919		205910 (100%)	Mineral	093N	2011/sep/10	GOOD	444.32
512921		205910 (100%)	Mineral	093O	2011/sep/03	GOOD	444.26
512923		205910 (100%)	Mineral	093O	2011/apr/03	GOOD	554.49
512924		205910 (100%)	Mineral	093O	2011/apr/01	GOOD	462.33
512925		205910 (100%)	Mineral	093O	2011/apr/01	GOOD	555.12
512927		205910 (100%)	Mineral	093O	2011/apr/01	GOOD	424.90
512930		205910 (100%)	Mineral	093O	2011/apr/03	GOOD	351.10
512931		205910 (100%)	Mineral	093O	2011/apr/03	GOOD	444.67
512932		205910 (100%)	Mineral	093O	2011/apr/01	GOOD	444.85
512933		205910 (100%)	Mineral	093O	2011/apr/03	GOOD	407.60
512934		205910 (100%)	Mineral	093O	2011/apr/03	GOOD	370.63
512935		205910 (100%)	Mineral	093O	2011/apr/03	GOOD	463.04
512936		205910 (100%)	Mineral	093O	2011/apr/03	GOOD	463.04
512937		205910 (100%)	Mineral	093O	2011/apr/04	GOOD	370.81
512938		205910 (100%)	Mineral	093O	2011/apr/04	GOOD	370.10
512939		205910 (100%)	Mineral	093O	2011/apr/04	GOOD	463.28

Tenure Number	Claim Name	Owner	Tenure Type	Map Number	Good To Date	Status	Area (ha)
512940		205910 (100%)	Mineral	093O	2011/apr/01	GOOD	463.28
512941		205910 (100%)	Mineral	093O	2011/apr/01	GOOD	463.38
512942		205910 (100%)	Mineral	093O	2011/apr/04	GOOD	445.05
512943		205910 (100%)	Mineral	093O	2011/apr/04	GOOD	445.05
512944		205910 (100%)	Mineral	093O	2011/aug/26	GOOD	445.21
512945		205910 (100%)	Mineral	093O	2011/aug/26	GOOD	445.21
512960		205910 (100%)	Mineral	093O	2011/apr/04	GOOD	443.63
512982		205910 (100%)	Mineral	093O	2010/sep/02	GOOD	147.88
521164	MILL 1	205910 (100%)	Mineral	093O	2010/oct/14	GOOD	332.83
521165	MILL 2	205910 (100%)	Mineral	093O	2010/oct/14	GOOD	388.56
521177	MILL 3	205910 (100%)	Mineral	093O	2010/oct/14	GOOD	665.24
521178	MILL 4	205910 (100%)	Mineral	093O	2010/oct/14	GOOD	554.97
521179	MILL 5	205910 (100%)	Mineral	093O	2010/oct/14	GOOD	444.41
521180	MILL 6	205910 (100%)	Mineral	093O	2010/oct/14	GOOD	444.56
521181	MILL 7	205910 (100%)	Mineral	093O	2010/oct/14	GOOD	554.50
521182	MILL 8	205910 (100%)	Mineral	093O	2010/oct/14	GOOD	462.33
521183	MILL 9	205910 (100%)	Mineral	093O	2010/oct/14	GOOD	555.12
521184	MILL10	205910 (100%)	Mineral	093O	2010/oct/14	GOOD	424.91
521185	MILL 11	205910 (100%)	Mineral	093O	2010/oct/14	GOOD	351.10
521186	MILL 12	205910 (100%)	Mineral	093N	2010/oct/14	GOOD	444.50
521187	MILL 13	205910 (100%)	Mineral	093N	2010/oct/14	GOOD	407.60
521189	MILL 14	205910 (100%)	Mineral	093N	2010/oct/14	GOOD	370.63
521190	MILL 15	205910 (100%)	Mineral	093N	2010/oct/14	GOOD	463.04
521191	MILL 16	205910 (100%)	Mineral	093N	2010/oct/14	GOOD	463.04
521192	MILL 17	205910 (100%)	Mineral	093N	2010/oct/14	GOOD	370.43
521193	MILL 18	205910 (100%)	Mineral	093N	2010/oct/14	GOOD	370.62
521194	MILL 19	205910 (100%)	Mineral	093N	2010/oct/14	GOOD	463.28
521195	MILL 20	205910 (100%)	Mineral	093N	2010/oct/14	GOOD	463.28
521196	MILL 21	205910 (100%)	Mineral	093O	2010/oct/14	GOOD	444.10
521197	MILL 22	205910 (100%)	Mineral	093O	2010/oct/14	GOOD	444.12
521198	MILL 23	205910 (100%)	Mineral	093N	2010/oct/14	GOOD	463.38
521199	MILL 24	205910 (100%)	Mineral	093O	2010/oct/14	GOOD	407.60
521200	MILL 25	205910 (100%)	Mineral	093O	2010/oct/14	GOOD	370.63
521201	MILL 26	205910 (100%)	Mineral	093O	2010/oct/14	GOOD	463.04
521202	MILL 27	205910 (100%)	Mineral	093N	2010/oct/14	GOOD	445.05
521203	MILL 28	205910 (100%)	Mineral	093N	2010/oct/14	GOOD	445.05
521204	MILL 29	205910 (100%)	Mineral	093O	2010/oct/14	GOOD	463.04
521205	MILL 30	205910 (100%)	Mineral	093O	2010/oct/14	GOOD	370.12
521206	MILL 31	205910 (100%)	Mineral	093O	2010/oct/14	GOOD	370.14
521207	MILL 32	205910 (100%)	Mineral	093O	2010/oct/14	GOOD	463.28
521208	MILL 33	205910 (100%)	Mineral	093N	2010/oct/14	GOOD	445.21
521209	MILL 34	205910 (100%)	Mineral	093N	2010/oct/14	GOOD	445.21
521210	MILL 35	205910 (100%)	Mineral	093O	2010/oct/14	GOOD	463.28
521212	MILL 36	205910 (100%)	Mineral	093O	2010/oct/14	GOOD	463.38
521213	MILL 37	205910 (100%)	Mineral	093O	2010/oct/14	GOOD	445.05

Tenure Number	Claim Name	Owner	Tenure Type	Map Number	Good To Date	Status	Area (ha)
579598		205910 (100%)	Mineral	093O	2010/mar/28	GOOD	445.05
579599		205910 (100%)	Mineral	093O	2010/mar/28	GOOD	445.21
579600		205910 (100%)	Mineral	093O	2010/mar/28	GOOD	445.21
579602		205910 (100%)	Mineral	093O	2010/mar/28	GOOD	443.63
580741		205910 (100%)	Mineral	093O	2010/apr/08	GOOD	147.88
580742		205910 (100%)	Mineral	093O	2010/apr/08	GOOD	332.83
580743		205910 (100%)	Mineral	093O	2010/apr/08	GOOD	388.56
580744		205910 (100%)	Mineral	093O	2010/apr/08	GOOD	665.24
580745		205910 (100%)	Mineral	093O	2010/apr/08	GOOD	554.97
580746		205910 (100%)	Mineral	093O	2010/apr/08	GOOD	444.71
580747		205910 (100%)	Mineral	093O	2010/apr/08	GOOD	444.86
580748		205910 (100%)	Mineral	093O	2010/apr/08	GOOD	554.51
580749		205910 (100%)	Mineral	093O	2010/apr/08	GOOD	462.33
580750		205910 (100%)	Mineral	093O	2010/apr/08	GOOD	555.12
595146		205910 (100%)	Mineral	093N	2009/dec/01	GOOD	443.63
595163		205910 (100%)	Mineral	093N	2009/dec/01	GOOD	147.88

Table 1: Mt. Milligan Claim Status

Property History

The earliest record of exploration activity in the area is by prospector George Snell, who found gold-bearing float on the western flank of Mt. Milligan in 1937. In 1945, Mr. Snell returned to the area and staked 10 two-post claims west of Mitzi Lake. Five pyritic andesite float samples returned assays ranging from trace to 148.8 g/t of gold. The source of the float was not found and no other gold-bearing mineralization was found in place.

The first claims to be recorded in the Mt. Milligan region were the Mosquito 1-10 two-post claims. These claims were staked on August 4, 1972 by Pechiney Development Ltd (Pechiney). Subsequent exploration work identified induced polarization and soil geochemical anomalies. To evaluate the anomalies, Pechiney drilled 5 diamond drill holes. The drilling campaign identified no significant copper mineralization and Pechiney allowed the claims to lapse.

No further major exploration work in the Mt. Milligan region occurred until 1983 when Selco Inc. (Selco) took an interest in the region. Selco staked the PHIL 1 through 12 claims over the ground covered by the original Mosquito claims, and completed preliminary surveys. In early 1984, Selco amalgamated with BP Resources Canada Limited (BP Resources).

In April 1984, Richard Haslinger staked the HEIDI claims adjacent to the PHIL claims.
BP Resources optioned the HEIDI claims from Richard Haslinger in July 1984. In late 1984 and early 1985, BP Resources staked the PHIL 21 through 29 claims.

In 1984 and 1985, BP Resources completed geological, soil geochemical, magnetic, and induced polarization surveys, and carried out a modest trenching program. The work identified polymetallic auriferous vein systems and weak copper-gold porphyry mineralization.

On April 21, 1986, Lincoln Resources Inc. (Lincoln) entered into an agreement with BP Resources to continue exploration of the claims. The agreement allowed Lincoln to earn a 51% interest in the Mt. Milligan property which was subsequently increased to 69.84% through the operation of dilution provisions. In July 1986, Lincoln entered into a new option agreement with Richard Haslinger on the HEIDI claims. In September 1987, Lincoln undertook a drilling campaign which resulted in the first discovery of significant gold-copper mineralization.

On July 31, 1988, Lincoln reorganized to become United Lincoln Resources Inc. (United Lincoln). In September 1988, United Lincoln staked the MILLIGAN, RAINBOW 1 through 4, and SKUD mineral claims, and the MBX 1 through 13 placer claims.

In August 1988, Continental Gold Corp. (Continental Gold) acquired 64% of the shares of United Lincoln. On March 15, 1989, Continental Gold and United Lincoln amalgamated and concurrently transferred the amalgamated undertaking to their subsidiary, and successor company, DASS No. 39 Holdings Ltd. (DASS). DASS changed its name to Continental Gold Corp. on the same date. A year later, in July 1989, drilling intersected further significant gold-copper mineralization.

In 1990, Continental Gold continued staking and acquiring claims in the region. The company staked the RAINBOW 5 through 9, RAINBOW 3 Fraction, BEE and SEE mineral claims, MBX 14 through 29, and RAIN placer claims. It also acquired the BONANZA, MARTIN, and TRNAVA mineral claims. Diamond drilling continued from January to September 1990.

In September 1990, Placer Dome (PDI) purchased from BP Resources' share of the PHIL and HEIDI mineral claims. Placer Dome and a wholly-owned subsidiary ("PDI Subco") then acquired by takeover bid approximately 98% of the shares of Continental Gold. In January 1991, PDI Subco acquired the balance of the outstanding Continental Gold shares. With these acquisitions, Placer Dome became the primary proponent of the Mt. Milligan project and continued the process of seeking regulatory approval for the project.

In November 1990, Placer Dome resumed exploration drilling.

In April 1991, Placer Dome produced a "Stage 1" development report.

In 1992, Placer Dome Inc. concluded the deposits were uneconomical and wrote off the carried value of the property.

In 1996, the project was re-evaluated by Placer Dome with a new geological model with domains and hard boundaries. Test pits were excavated to the bedrock surface to obtain addition geotechnical information. Operating and mining costs were updated and revised.

An economic re-evaluation was completed by Placer Dome in 1998. As part of the Mt. Milligan re-evaluation, geological work was limited to some re-examination of drill core to determine if there was a geological explanation for the discrepancy in grades between the angle holes and vertical holes. No re-modeling of the geology was undertaken, with the 1996 model for the "Main Zone" being used along with the 1991 model for the Southern Star. A variety of alternate mining and processing scenarios were investigated.

In 2003, Mining Solutions completed a project review of available data, particularly Placer Dome's patented hydrometallurgy process.

Based on the results of the 2003 study, Placer Dome initiated a number of programs in 2004 to further assess the Mt. Milligan project. Historical data was assembled and reprocessed into a GIS. This included all available geological, geochemical, and geophysical data. Geophysical and geochemical data was processed to form a variety of images to enhance interpretation. Pulps from previous drill programs were analyzed with an ASD reflectance spectrometer to obtain alteration mineral spectra to aid in geological modeling. A drill program consisting of 14 holes was initiated to provide fresh core samples for additional metallurgical testing. The holes were planned to twin existing holes that were collared in mineralization to maximize the amount of mineralized core recovered. A 3D geological model was constructed to provide a more consistent geological model.

In 2005 a regional stream sediment sampling program was undertaken as a research project to assess the downstream dispersion from Mt. Milligan as expressed by a number of analytical and sampling techniques. A Masters Study was also initiated through UBC/MDRU, investigating the alteration patterns, with the objective of building a 3D alteration model.

In May 2006, Barrick Gold Corporation purchased Placer Dome Inc. and sold Placer Dome's Canadian assets to Goldcorp Inc., including the Mt Milligan property. Goldcorp in turn sold certain assets (including Mt. Milligan) to Atlas Cromwell Ltd. In July 2006, Atlas Cromwell was renamed Terrane Metals Corp.

From September 2006 to April 2007, Terrane Metals completed a three phase drilling program consisting of 60 HQ diameter core hole, for a total of 18,507 m of drilling.

In March 2008, Terrane Metals announced the results of a Feasibility Study Report which outlined proven and probable mineral reserves totaling 333.7 million tonnes averaging 0.22% Cu and 0.428 g/t Au containing 1.60 billion lb copper and 4.59 million oz gold, and measured and indicated mineral resources totaling 590.8 million tonnes averaging 0.19% Cu and 0.352 g/t Au containing 2.52 billion lb copper and 6.70 million oz gold.

In May 2008, the Terrane Metals Board of Directors approved the Feasibility Study Report on the Mt. Milligan Project, and authorized management to proceed with the awarding of a contract for the procurement of long lead-time process plant equipment.

Geology

The following descriptions of the geological setting at Mt. Milligan have been taken verbatim from the October 2007 technical report (Labrenz et. al., 2007).

Regional Geology

The Mt. Milligan project is within Quesnel Terrane, part of the Intermontane Belt, a composite of low metamorphic grade magmatic arc segments of mixed oceanic and continental affinities, and oceanic plates, which amalgamated with North America in the Early Jurassic Period.

The Quesnel Terrane is characterized by a Late Triassic to Early Jurassic magmatic arc complex that formed along or near the western North American continental margin and is contacted to the east with Proterozoic and Paleozoic carbonates and siliciclastics of the Cassiar Terrane, representing part of the ancestral North American miogeocline. In places, the Quesnel and Cassiar terranes are separated by an intervening assemblage of Late Paleozoic oceanic rocks assigned to Slide Mountain Terrane. The boundary between the Quesnel and Cassiar terranes is a complex structural zone that includes late Early Jurassic east-directed thrust faults that juxtapose Quesnel Terrane above Cassiar Terrane. These east-directed faults and related folds are locally overprinted by somewhat younger west-directed structures that reverse this stacking order, as well as by dextral strike-slip and normal faults that formed in Cretaceous and early Tertiary time.

Towards the west the Quesnel Terrane is in fault contact with the Late Paleozoic through mid-Mesozoic oceanic rocks of the Cache Creek Terrane, interpreted to be part of the accretion-subduction complex that was responsible for generating the Quesnel magmatic arc. Younger rocks commonly found in the region include Cretaceous granitic stocks and batholiths, Eocene volcanic and sedimentary rocks, and flat-lying basalt of both Neogene and Quaternary age.

Property Geology

In the Mt. Milligan area (Figure 2) the Quesnel Terrane is characterized by widespread Late Triassic to Early Jurassic arc rocks comprising:

- Volcanic rocks: mainly volcaniclastics, with subordinate coherent volcanics of basaltic to dacitic compositions. Augite-porphyry is particularly characteristic of Quesnellia, and forms an eastern facies of alkaline to sub-alkaline augite-phyric basaltic andesite;
- Coeval and partly comagmatic plutons ranging from calcalkaline (in the west) to alkaline (in the east); and
- Sedimentary rocks including shale, limestone, and epiclastic deposits.

In the Mt. Milligan area, Quesnellia rocks consist of Triassic to Lower Jurassic volcanic and subordinate sedimentary rocks of Takla Group, and Hogem intrusive suite, which is interpreted

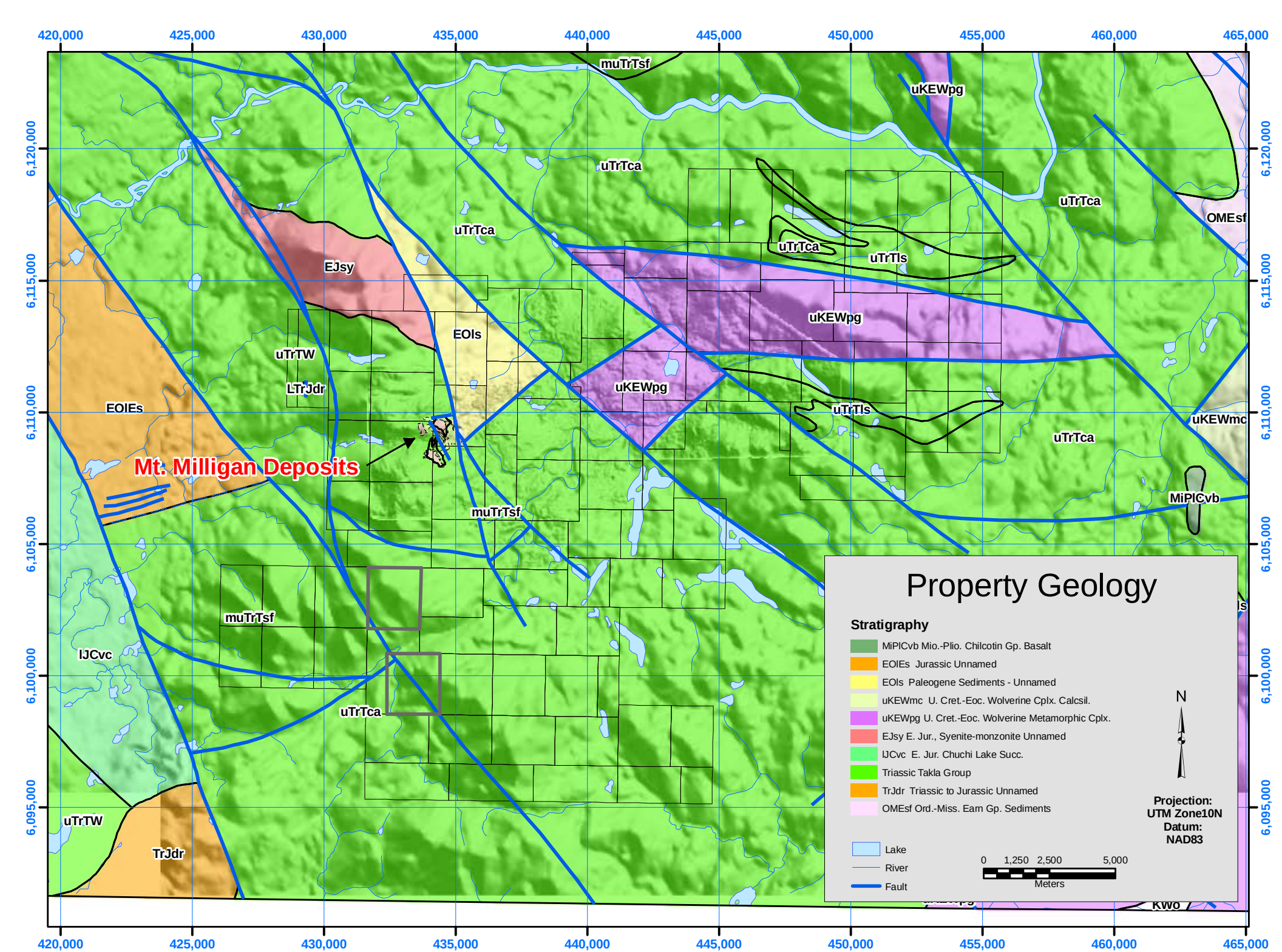


Figure 2: Property Geology

as Takla Group's deep-seated equivalent. Many Cu-Au mineral showings are associated with Hogem Batholith and smaller coeval intrusions. Takla Group in the Mt. Milligan area is informally subdivided into a lower, predominantly sedimentary Inzana Lake Succession, and an upper, predominantly volcaniclastic Witch Lake Succession (Fonseca, 2005).

The Witch Lake Succession hosts the Mt. Milligan deposit, and is characterized by augite-phyric volcaniclastic and coherent basaltic andesites, with subordinate epiclastic beds. The Geological Survey Branch of BC Energy Mines and Petroleum Resources carried out regional mapping and petrographic studies in the Mt. Milligan area that demonstrated that Witch Lake basaltic andesites and derived sediments (Nelson et al., 1991) are affected by strong potassic alteration as far as 4 km from Mt. Milligan.

The Witch Lake formation is intruded by coeval Takla Group and post-Takla Group intrusions. Coeval intrusions comprise most of the Mt. Milligan intrusive complex, which consists dominantly of monzonitic rocks with minor dioritic/monzodioritic and gabbroic/monzogabbroic rocks. The MBX, Southern Star, Goldmark, and North Slope stocks, which host mineralization on the Mt. Milligan property, are composed of monzonitic rocks. Post-Takla Group intrusions are composed of granitic rocks, which form a minor portion of the Mt. Milligan complex.

2008 Work Program

Geotechnical site investigation work completed at the proposed plant site area, consisting of 14 geotechnical drillholes and 9 test pits, focused on obtaining information on the material types and near surface foundation conditions (Figure 3). Two test wells were also completed to investigate the potential for a groundwater supply to a proposed mine camp at Mt. Milligan. Access trails to drillholes and test pit locations were gained via trails constructed by the track excavator and a D7H Cat dozer. Where possible, to minimize the length of new trails constructed, access was gained to sites through already existing logging trails, survey lines and cut blocks. Routes and locations were chosen to get as close to planned embankments as possible, while minimizing the cutting of trees and crossing water ways. All drill- and pit-logs are included in appendices at the end of this report.

Drilling Program

Geotechnical drilling services were provided by Geotech Drilling Services Ltd. under the supervision of Knight Piésold. Geotechnical drillholes were completed with a Simco Explorer drill rig using the ODEX system for advancing casing, conventional air rotary drilling in overburden and HQ diamond drilling when bedrock was intercepted. Drillholes were advanced to depths ranging from 15.2 to 46.9 metres and totalled 466.8 linear metres of drilling. Overburden was recovered using reverse air circulation. The drill cuttings from each of the drillholes were collected for examination and description.

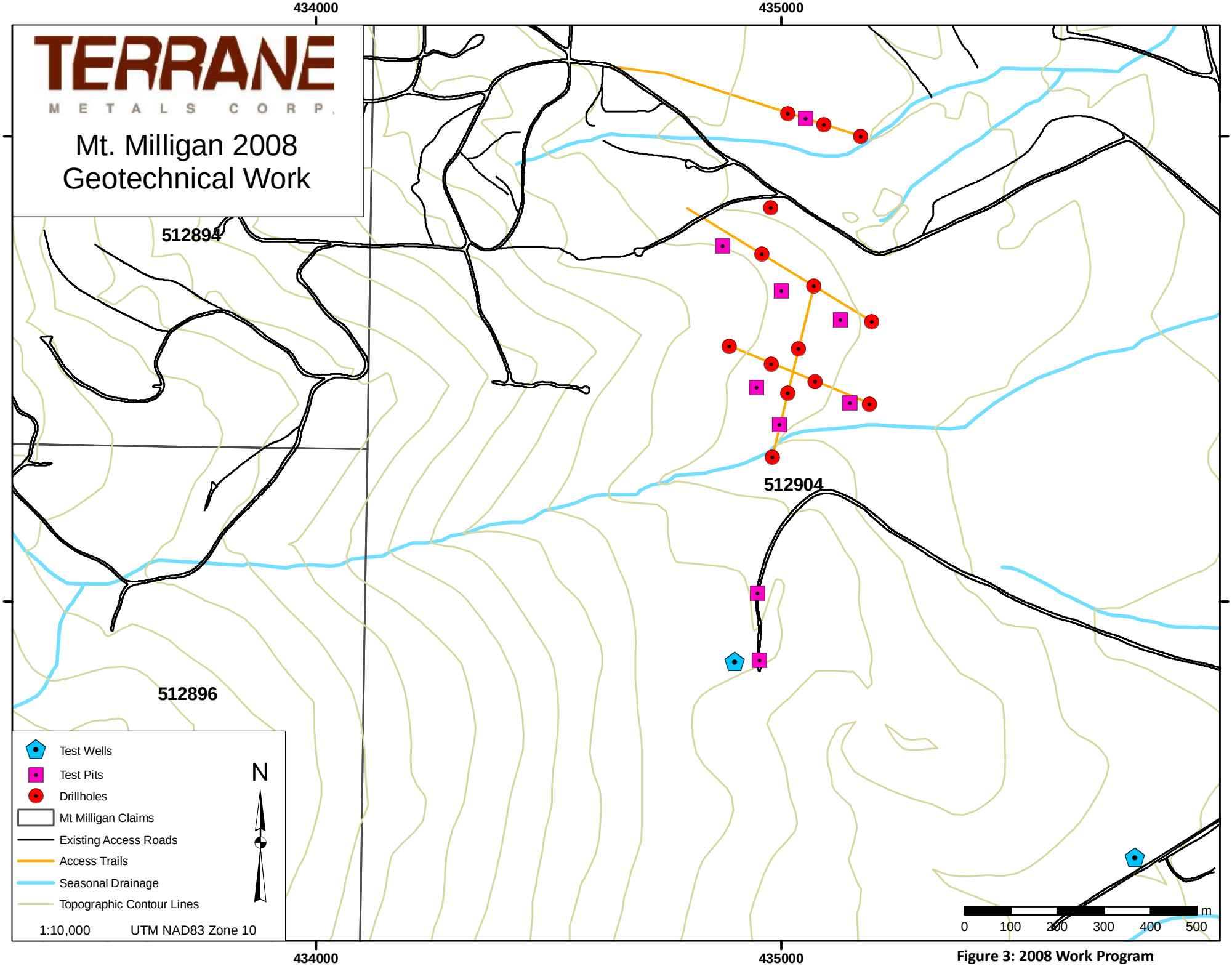


Figure 3: 2008 Work Program

Standard Penetration Testing (SPT) was completed in overburden at selected depth intervals. The SPT's were typically conducted within the overburden materials at 1.5 metre increments to a depth of ten metres, and at three metre increments below ten metres, until bedrock was encountered or the drillhole was terminated at the designated depth in overburden. SPT's were conducted using a 140-lb automatic hammer with a 30-inch drop setup, equipped with a 24 inch split spoon sampler. Disturbed samples were collected from SPT split-spoons at each interval for soil identification. Selected samples were collected for laboratory testing. Blow counts were recorded at three continuous 6-inch intervals for a total of 18-inch of sampling length, and an additional 6-inch interval was driven to collect a larger sample.

Fourteen (14) geotechnical drill holes (KP08-01 to KP08-14) were drilled at or near the proposed structures as summarized below:

Proposed Structure	Drillhole
Primary Crusher	KP08-04
Coarse Ore Stockpile	KP08-05, 06, 07
Mill Site Pad	KP08-08, 09, 10, 11, 12, 13, 14
Maintenance Complex	KP08-01, 02, 03

Table 2: Drillhole Site Summary

Test Pit Program

Test pitting was conducted by Taba Enterprises Ltd. from Fort St. James. Test pits were excavated using an EC201CL Volvo track excavator. Each test pit excavation was logged by a geotechnical engineer from Knight Piésold and samples were collected from representative materials for laboratory testing. Once completed, the test pits were then backfilled and compacted using the excavator. (Lewsley et. al., 2008)

Nine (9) test pits (TP08-01 to TP08-09) were excavated at or near the proposed structures as summarized below:

Proposed Structure	Drillhole
Primary Crusher	TP08-02
Coarse Ore Stockpile	TP08-03, 04
Mill Site Pad	TP08-05, 06, 07
Maintenance Complex	TP08-01
Construction Camp	TP08-08, 09

Table 3: Test Pit Site Summary

Test Well Program

Geotech Drilling Services, Ltd. (Geotech), of Prince George, were contracted to complete a test well program to investigate the potential for a groundwater supply to a new mine camp at the Mt. Milligan project. Geotech mobilized a track-mounted drilling rig (Fraste, Model MDXL), two track-mounted service vehicles and an air compressor (Sullair). The Odex drilling method was used to drill two holes totaling 82.1 m. 50 mm PVC liners with 3 m or 6 m screens were installed in the completed holes, and ground water testing was done using air-lift pumping. Upon completion of testing, liners and casings were removed and holes were backfilled with bentonite chips and marked with stakes and flagging tape. (Smith et. al., 2008)

Discussion/Interpretation of Results

Foundation conditions across the site are fairly complex and variable. Structures will be founded on very dense glacial till or on fluvial sand and gravel deposits that may vary in thickness from several metres up to 10 metres. In order to minimize the potential for differential settlements, it has been recommended by Knight Piesold that as a minimum, the material below the footprint structures be removed and replaced with a homogenous layer of compacted engineered granular structural fill. The thickness of the structural fill layer will require further investigation after initial rough grading to confirm the design assumptions. Additional geotechnical drilling and plate load testing are recommended at each critical structure. (Lewsley et. al., 2008)

Based on the geology, hydrogeology and the hydrochemistry, it is the opinion of Water Management Consultants that the aquifer at TW08-2 is not under the direct influence of surface water. A layer of dense glacial till overlies the aquifer and construction of a water well as per the specifications outlined in the Ground Water Protection Regulation will minimize any potential for well contamination by surface water. Based on the current configuration of mine site elements, there are no up gradient sources for contamination. Based on observations at the site and an analysis of the collected data by Water Management Consultants, installation of a water well at TW08-2 would provide a suitable location for a water supply to the mine camp. (Smith et. al., 2008)

References

Fonseca, A., 2005; Report on Diamond Drilling on Mount Milligan Property, North-Central British Columbia; Assessment report submitted to the BC Ministry of Energy Mines and Petroleum Resources

Labrenz, D., Wellhener, H. E., and Hunag, J., 2007; Technical Report: Mt Milligan Project Resource Report, prepared for Terrane Metals Corp.

Lewsley, G., Bomtraeger, B., and Brouwer, K.J., 2008: Plant Site Geotechnical Report, prepared for Terrane Metals Corp.

Nelson, J., Bellefontaine, K., Green, K., and Maclean, 1991; Regional geological mapping near the Mount Milligan Copper-Gold Deposit; in Geological Fieldwork, 1990, B. C. Ministry of Energy, Mines and Petroleum Resources, Paper1991-1, pages 89-110

Smith, R., Stastny, V., and Barclay, J., 2008: Water Supply Letter, prepared for Terrane Metals Corp.

Statement of Expenditures

Professional Fees and Wages

Qty	Unit	Description	Price/Unit	Cost
8	hrs	Rod Smith, Project Manager WMC	$150.00	$1,200.00
59.5	hrs	Jordin Barclay, Field Technician WMC	$90.00	$5,355.00
112	hrs	Vladimir Stastny, Field Technician WMC	$90.00	$10,080.00
6	hrs	Bruno Bontrager, Project Manager KP	$178.00	$1,068.00
25.25	hrs	Norm Dhaliwal, Field Technician KP	$122.00	$3,080.50
290.75	hrs	Carolyn Grise, Field Technician KP	$104.00	$30,238.00
31	hrs	Greg Lewsley, Field Technician KP	$104.00	$3,224.00
1	hrs	Wendy Jivraj, Administrative Assistant	$64.00	$64.00
45	hrs	Josie Speed, Field Technician	$125.00	$5,625.00
			sub-total:	**$59,934.50**

Drilling

Operational Expenses

251.3	hrs	Odex Drilling/Coring/Packer testing/Installations/Moving/setup	$275.00	$69,093.75
81.5	hrs	Overtime Hours	$72.00	$5,868.00
1		Mobilization/ De Mob P.G to Mt Milligan	$9,300.00	$9,300.00
1		Mob/Demob Test Wells (TW08-1, -2)	$2,750.00	$2,750.00
5	shift	Drilling operations, set up, moving, installations, crew travel, consumables, etc.	$6,950.00	$34,750.00
11.25	hrs	Crew travel	$140.00	$1,575.00
			sub-total:	**$123,336.75**

Rental Equipment

23	day	Tandem Axle Support Vehicle/Equipment and materials storage	$275.00	$6,325.00
23	day	Morooka MST 1100 Track Support Unit	$650.00	$14,950.00
2	day	High Pressure Diamond drill pump rental/ Mud rotary mud pump	$250.00	$500.00
13	day	Grout pump rental,mud mixer, mud tank ,tremmie rods	$250.00	$3,250.00
23	day	Water supply pumps, bladders ,portable tanks, hose	$200.00	$4,600.00
23	day	300/200 Air Compressor	$425.00	$9,775.00
23	day	Satelite Phone	$25.00	$575.00
23	day	1 ton 4x4 Crew Cab	$150.00	$3,450.00
23	day	Rhino ATV	$175.00	$4,025.00

6	ea	Std 82 Drop of ring Bit	$275.00	$1,650.00
			sub-total:	**$49,100.00**

Consumables

58	bags	Portland cement	$20.00	$1,160.00
94	bags	Premix grout	$31.00	$2,914.00
1	ea	2 inch split spoon	$300.00	$300.00
17	bags	Bentonite Chips	$18.99	$322.83
18	ft	HQ bit consumption (soil or Bedrock Coring)	$20.00	$360.00
1531	ft	Air Rotary Bit Consumption	$6.50	$9,951.50
			sub-total:	**$15,008.33**

sub-total:	**$247,379.58**
GST (5%):	**$12,368.98**
TOTAL:	**$259,748.56**

Statement of Qualifications

I, Kory Dumas of 8-2435 1st ave W in the province of British Columbia, certify that:

1. I am a graduate of the University of British Columbia (2005) and hold a B.Sc. Degree (Specialization) in Geology.
2. I have worked in my profession as a Geologist since 2006.
3. I am co-author of the Assessment Report titled "2007 Aerial Photogrammetric Report on the South Berg Property".
4. I am currently a contracted consultant of Terrane Metals Corp. My responsibilities include both field based exploration work as well as office based data management, interpretation, and visualization.
5. This report is based upon data collected during field work completed in September 2007 on the South Berg property in support of the Berg Project.

Dated this 23rd day of April, 2009 at Vancouver, BC, Canada.

Signed "Kory Dumas"

Kory Dumas, B.Sc.

Statement of Qualifications

I, Darren L. O'Brien of 7104 – 152A Avenue of Edmonton in the Province of Alberta, certify that:

1. I am registered as a Professional Geologist with the Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA), Member #M55482.
2. I am a graduate of the University of Alberta (1993) and hold a B.Sc. Degree (Specialization) in Geology.
3. I have worked in my profession as a Geologist since 1993, both as an employee of a major mining company and as a consultant. Places that I have worked include Canada, USA, Central Asia and the Caribbean.
4. I am currently employed by Terrane Metals Corp. and hold the position of Vice President of Exploration. My responsibilities include generating exploration projects for the company and quality control for advanced stage projects including Mt. Milligan and Berg.
5. This report is based upon data collected during field work completed in September 2006 on the Mt. Milligan property.
6. I was directly involved in the diamond drilling program described in this report.
7. As an employee of Placer Dome Inc., I worked on the Mt. Milligan property for a 2-week period in 2005.
8. I hold no interest in the Mt. Milligan property. Up to the time of writing this report I have not been a shareholder of Terrane Metals Corp. I am a member of the Stock Option Plan and my options have been registered with SEDAR.

Dated this 23rd day of April, 2009 at Vancouver, BC, Canada.

Darren L. O'Brien, P.Geo

430000 440000 450000 460000

6120000 6110000 6100000

595163 595146 512884 512891 512901 512909 512913 512931 512907 512932 512923 512933 580741 580742 580743 580744 580746 580748 580749 580745 580747 580750

512924 512934 512936 512937 579599 579602

512887 512892 512903 512910 512982 512930 512927 512935 512938 512939 512940 579598 579600

512925 512960 521164 512941 512942 512944 512945

512888 512894 512915 521165

512904 512912 512917 521177 521178 512943

512890 512896

512897 512919 512921 521181 521180 521179

521192 521191 521190 521186 521185 521184 521183 521182

521187 521196 521197

521193 521194 521195 521189 521198 521199 521200 521201

521202 521203 521204 521205 521206 521207

521208 521209 521210 521212 521213

N W E S

Kilometers

0 1 2 3 4 5 6 7 8 9 10

1:100,000 NAD83 Zone 10

TERRANE METALS CORP.

MT. MILLIGAN CLAIMS

Deposit Location

Mt Milligan Claim

Claim Held by Others

Watercourse

Waterbody

UTM NAD83 10N 1:50,000

Figure 4: Mt. Milligan Claims

Appendix I
Drill Logs

Project:	**Mt. Milligan Project**	Drill Hole No.	**KP08-01**	**PAGE**	1 of 1
Drilling Co:	**Geotech Drilling Ltd.**	In Situ Sampler:	**SPT split spoon**	Date Started:	**Aug 6, 08**
Drilling Method:	**Odex Drilling**	Elevation:	**1100 m**	Date Completed:	**Aug 7, 08**
Location:	**70 km north of Fort St James**	Total Depth:	**25.9 m**	Logged by:	**CG**
Coordinates:	**435,092 N , 6,108,025 E**	Azimuth","Inclination	**0, -90**	Reviewed by:	**BB**

DEPTH (m)	ELEVATION (m)	GRAPHIC LOG	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLES	SAMPLE NO.	BLOW COUNT/ RQD (%)	SPT 'N' VALUE/ RMR	FIELD VANE SHEAR STRENGTH (Remould ▲ Peak △) / SPT TEST DATA 'N' VALUES (Uncorrected × Corrected □) PL MC LL 20 40 60 80	WELL / INSTRUMENT DEPTHS (m)	WELL / INSTRUMENT DETAILS
			ORGANIC SILT (0 to 0.6) ORGANIC SILT, loose, non plastic, brown, dry	67		SPT#1	3/5/5	10			
			FLUVIAL (0.6 to 5.5) Gravelly SAND with silt, well graded, non-plastic, brown, wet.	71		SPT#2	11/13/30	43			
			WATER AT 0.76 m.	67		SPT#3	21/40/50	90			
5	1095.0			88		SPT#4	22/50+	100			
			(5.5 to 7) saturated	88		SPT#5	37/50+	100			
			(7 to 10.4) more gravel	62		SPT#6	19/49/50+	100			
10	1090.0			100		SPT#7	41/40+	100			
			GLACIAL TILL (10.4 to 15.2) Silty SAND with gravel, trace cobbles, well-graded, sub-rounded, grey, moist	100		SPT#8	50+	100			
15	1085.0		**FLUVIAL** (15.2 to 18.6) Gravelly SAND, poorly-graded, sub-angular, grey, saturated	45		SPT#9	23/50+	100			
			GLACIAL TILL (18.6 to 23.8) Sandy SILT, trace gravel and cobbles/boulders, well-graded, sub-angular, non-plastic, grey, dry	0 100		SPT#10 SPT#11	50+	100 100			
20	1080.0			100		SPT#12	23/50+	100			
			FLUVIAL (23.8 to 25) Silty SAND and GRAVEL, grey, saturated. WATER AT 23.8 m.								
25	1075.0		**GLACIAL TILL** (25 to 26.2) Sandy, gravelly SILT, well-graded, sub-angular, medium plasticity, brownish-grey, dry	100		SPT#13	27/50/50+	100			
			End of Drillhole: 25.9 m								

WELL INSTALLATION SYMBOLS: BENTONITE, CEMENT, GRAVEL, GROUT, SAND, SLOUGH, RISER PIPE, SLOTTED PIPE

SAMPLE SYMBOL: AUGER, SPLITSPOON, CORE, SHELBY TUBE

Terrane Metals Corp.
Mt. Milligan Project
Details For KP08-01

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-141/3	1	0

KP08-01

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, DRILLHOLE LOG_METRIC, DRILL.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 MT MILLIGAN DRILL HOLE LOGS.GPJ

Project:	**Mt. Milligan Project**	Drill Hole No.	**KP08-02**	**PAGE**	1 of 1
Drilling Co:	**Geotech Drilling Ltd.**	In Situ Sampler:	**SPT split spoon**	Date Started:	**Aug 8, 08**
Drilling Method:	**Odex Drilling**	Elevation:	**1105 m**	Date Completed:	**Aug 8, 08**
Location:	**70 km north of Fort St James**	Total Depth:	**24.4 m**	Logged by:	**CG**
Coordinates:	**435,014 N , 6,108,049 E**	Azimuth","Inclination	**0, -90**	Reviewed by:	**BB**

DEPTH (m)	ELEVATION (m)	GRAPHIC LOG	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLES	SAMPLE NO.	BLOW COUNT/ RQD (%)	SPT 'N' VALUE/ RMR	FIELD VANE SHEAR STRENGTH (Remould ▲) (Peak △) / SPT TEST DATA 'N' VALUES (Uncorrected ×) (Corrected □) PL MC LL 20 40 60 80	WELL / INSTRUMENT DEPTHS (m)	WELL / INSTRUMENT DETAILS
			FLUVIAL (0 to 0.9) Sandy SILT, trace gravel, poorly graded, non-plastic, brown, dry	50		SPT#1	6/8/8	16	×		
			SAND (0.9 to 2.1) Gravelly SAND with silt, well graded, sub-rounded, non-plastic, reddish-brown, saturated.	93		SPT#2	49/50+	100	×		
5	1100.0		WATER AT 1.2 m. (2.1 to 3.4) saturated	90		SPT#3	27/50+	100	×		
				77		SPT#4	33/50+	100	×		
			(3.4 to 7.9) light greyish-brown and wet	90		SPT#5	46/50+	100	×		
			SAND AND GRAVEL (7.9 to 12.2) SAND and GRAVEL, poorly-graded, sub-rounded, saturated	100		SPT#6	50+	100	×		
10	1095.0			40		SPT#7	50+	100	×		
			SAND (12.2 to 15.2) Silty SAND with gravel, well-graded, sub-angular, non-plastic, brownish-grey, moist	100		SPT#8	50+	100	×		
15	1090.0		(15.2 to 21.3) grey, saturated	60		SPT#9	18/49/50+	100	×		
20	1085.0			67		SPT#10	19/50+	100	×		
			(21.3 to 22.9) more gravel	90		SPT#11	30/50+	100	×		
			GRAVEL (22.9 to 24.4) Sandy GRAVEL, saturated.								
25	1080.0		WATER AT 23.8 m. End of Drillhole: 24.4 m								

WELL INSTALLATION SYMBOLS: BENTONITE, CEMENT, GRAVEL, GROUT, SAND, SLOUGH, RISER PIPE, SLOTTED PIPE

SAMPLE SYMBOL: AUGER, SPLITSPOON, CORE, SHELBY TUBE

Terrane Metals Corp.
Mt. Milligan Project
Details For KP08-02

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-141/3	1	0

KP08-02

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, DRILLHOLE LOG_METRIC, DRILL.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 MT MILLIGAN DRILL HOLE LOGS.GPJ

Project:	**Mt. Milligan Project**	Drill Hole No.	**KP08-03**	**PAGE**	1 of 1
Drilling Co:	**Geotech Drilling Ltd.**	In Situ Sampler:	**SPT split spoon**	Date Started:	**Aug 9, 08**
Drilling Method:	**Odex Drilling**	Elevation:	**1095 m**	Date Completed:	**Aug 9, 08**
Location:	**70 km north of Fort St James**	Total Depth:	**15.2 m**	Logged by:	**CG**
Coordinates:	**435,170 N , 6,108,000 E**	Azimuth","Inclination	**0, -90**	Reviewed by:	**BB**

DEPTH (m)	ELEVATION (m)	GRAPHIC LOG	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLES	SAMPLE NO.	BLOW COUNT/ *RQD (%)*	SPT 'N' VALUE/ *RMR*	FIELD VANE SHEAR STRENGTH (Remould ▲ Peak △) / SPT TEST DATA 'N' VALUES (Uncorrected ×) (Corrected □) PL MC LL 20 40 60 80	WELL / INSTRUMENT DEPTHS (m)	WELL / INSTRUMENT DETAILS
			ORGANICS (0 to 2.4) ORGANIC SILT, some roots/grass, trace sand, gravel and cobbles, poorly-graded, fibrous, spongy, earthy smell, high plasticity, rounded, black, dry	29		SPT#1	2/4/4	8	×		
				62		SPT#2	9/8/15	23	×		
			SAND (2.4 to 3.7) Gravelly SAND with silt, well-graded, sub-rounded, non-plastic, greyish-brown, moist.	42		SPT#3	22/50+	100	×		
5	1090.0		WATER AT 2.4 m.	33		SPT#4	25/50+	100	×		
			(3.7 to 8.8) trace cobbles, saturated	80		SPT#5	25/50+	100	×		
			BOULDERS (8.8 to 10.1) COBBLES and BOULDERS in a silt/sand matrix, with gravel	88		SPT#6	50+	100	×		
10	1085.0			83		SPT#7	50+	100	×		
			SAND (10.1 to 13.7) Gravelly SAND, trace silt, poorly-graded, sub-rounded, low-no plasticity, brownish-grey, moist	100		SPT#8	34/44/49	93	×		
			GRAVEL (13.7 to 15.2) Sandy GRAVEL, poorly-graded, sub-rounded, grey, wet	31		SPT#9	22/50+	100	×		
15	1080.0		End of Drillhole: 15.2 m								
20	1075.0										
25	1070.0										

WELL INSTALLATION SYMBOLS: BENTONITE, CEMENT, GRAVEL, GROUT, SAND, SLOUGH, RISER PIPE, SLOTTED PIPE

SAMPLE SYMBOL: AUGER, SPLITSPOON, CORE, SHELBY TUBE

Terrane Metals Corp.
Mt. Milligan Project
Details For KP08-03

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-141/3	1	0

KP08-03

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, DRILLHOLE LOG_METRIC, DRILL.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 MT MILLIGAN DRILL HOLE LOGS.GPJ

Project:	**Mt. Milligan Project**	Drill Hole No.	**KP08-04**	**PAGE**	1 of 2
Drilling Co:	**Geotech Drilling Ltd.**	In Situ Sampler:	**SPT split spoon**	Date Started:	**Aug 9, 08**
Drilling Method:	**Odex Drilling/Mud Rotary/Tri-coning**	Elevation:	**1130 m**	Date Completed:	**Aug 12, 08**
Location:	**70 km north of Fort St James**	Total Depth:	**42.7 m**	Logged by:	**CG**
Coordinates:	**434,978 N , 6,107,846 E**	Azimuth","Inclination	**0, -90**	Reviewed by:	**BB**

DEPTH (m)	ELEVATION (m)	GRAPHIC LOG	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLES	SAMPLE NO.	BLOW COUNT/ RQD (%)	SPT 'N' VALUE/ RMR	FIELD VANE SHEAR STRENGTH (Remould ▲ Peak △) / SPT TEST DATA 'N' VALUES (Uncorrected × Corrected □) PL MC LL 20 40 60 80	WELL / INSTRUMENT DEPTHS (m)	WELL / INSTRUMENT DETAILS
			ORGANICS (0 to 0.6) Gravelly ORGANIC SILT, sub-angular, light brown	83		SPT#1	8/12/12	24			
			GLACIAL TILL (0.6 to 2.1) Gravelly, sandy SILT, trace cobbles, well-graded, sub-rounded, high plasticity, light brown, dry	29		SPT#2	19/30/33	63			
5	1125.0		(2.1 to 4.9) Gravelly, sandy SILT, trace cobbles, well-graded, sub-angular, low plasticity, light brown, dry	100		SPT#3	26/43/40	83			
			(4.9 to 6.7) grey	100		SPT#4	50+	100			
			GLACIAL TILL (6.7 to 8.8) Sandy, gravelly SILT, trace cobbles, well-graded, sub-angular, low plasticity, dark brown, dry	100		SPT#5	24/27/34	61			
10	1120.0		(8.8 to 19.8) grey, moist	100		SPT#6	37/55/42	97			
				81		SPT#7	18/50+	100			
				80		SPT#8	45/50+	100			
15	1115.0			80		SPT#9	41/50+	100			
				91		SPT#10	20/50+	100			
20	1110.0		**SAND** (19.8 to 25.9) Gravelly SAND with silt, trace cobbles, well-graded, sub-angular, non-plastic, brown, wet. WATER AT 21.6 m.	100		SPT#11	50+	100			
				76		SPT#12	18/50+	100			
25	1105.0		(25.9 to 33.2) INCREASE IN WATER RECHARGE AT 27.1m.	100		SPT#13	32/50+	100			

WELL INSTALLATION SYMBOLS: BENTONITE, CEMENT, GRAVEL, GROUT, SAND, SLOUGH, RISER PIPE, SLOTTED PIPE

SAMPLE SYMBOL: AUGER, SPLITSPOON, CORE, SHELBY TUBE

Terrane Metals Corp.
Mt. Milligan Project
Details For KP08-04

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-141/3	1	0

KP08-04

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, DRILLHOLE LOG_METRIC, DRILL.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 MT MILLIGAN DRILL HOLE LOGS.GPJ

Project:	**Mt. Milligan Project**	Drill Hole No.	**KP08-04**	**PAGE**	2 of 2
Drilling Co:	**Geotech Drilling Ltd.**	In Situ Sampler:	**SPT split spoon**	Date Started:	**Aug 9, 08**
Drilling Method:	**Odex Drilling/Mud Rotary/Tri-coning**	Elevation:	**1130 m**	Date Completed:	**Aug 12, 08**
Location:	**70 km north of Fort St James**	Total Depth:	**42.7 m**	Logged by:	**CG**
Coordinates:	**434,978 N , 6,107,846 E**	Azimuth","Inclination	**0, -90**	Reviewed by:	**BB**

DEPTH (m)	ELEVATION (m)	GRAPHIC LOG	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLES	SAMPLE NO.	BLOW COUNT/ RQD (%)	SPT 'N' VALUE/ RMR	FIELD VANE SHEAR STRENGTH (Remould ▲ Peak △) / SPT TEST DATA 'N' VALUES (Uncorrected × Corrected □) PL MC LL 20 40 60 80	WELL / INSTRUMENT DEPTHS (m)	WELL / INSTRUMENT DETAILS
				50		SPT#14	50+	100			
			GLACIAL TILL (33.2 to 37.5) Sandy, gravelly SILT, well-graded, sub-rounded, medium plasticity, brownish-grey, wet	100		SPT#15	36/50+	100			
35	1095.0			100		SPT#16	50+	100			
			BEDROCK (37.5 to 42.7) BEDROCK- Andesite- Odex drilled and Tri-coned								
40	1090.0										
			End of Drillhole: 42.7 m								
45	1085.0										
50	1080.0										
55	1075.0										

WELL INSTALLATION SYMBOLS:

BENTONITE, CEMENT, GRAVEL, GROUT, SAND, SLOUGH, RISER PIPE, SLOTTED PIPE

SAMPLE SYMBOL:

AUGER, SPLITSPOON, CORE, SHELBY TUBE

Terrane Metals Corp.
Mt. Milligan Project
Details For KP08-04

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-141/3	1	0

KP08-04

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, DRILLHOLE LOG_METRIC, DRILL.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 MT MILLIGAN DRILL HOLE LOGS.GPJ

Project:	**Mt. Milligan Project**	Drill Hole No.	**KP08-05**	**PAGE**	1 of 2
Drilling Co:	**Geotech Drilling Ltd.**	In Situ Sampler:	**SPT split spoon**	Date Started:	**Aug 12, 08**
Drilling Method:	**Odex**	Elevation:	**1130 m**	Date Completed:	**Aug 14, 08**
Location:	**70 km north of Fort St James**	Total Depth:	**46.9 m**	Logged by:	**CG**
Coordinates:	**434,959 N , 6,107,746 E**	Azimuth","Inclination	**0, -90**	Reviewed by:	**BB**

DEPTH (m)	ELEVATION (m)	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLES	SAMPLE NO.	BLOW COUNT/ RQD (%)	SPT 'N' VALUE/ RMR	FIELD VANE SHEAR STRENGTH Remould (▲) Peak (△) / SPT TEST DATA 'N' VALUES Uncorrected (×) Corrected (□) PL MC LL 20 40 60 80	WELL / INSTRUMENT DEPTHS (m)	WELL / INSTRUMENT DETAILS
		ORGANICS (0 to 0.6) Brown, grass, roots								
		GLACIAL TILL (0.6 to 4.3) Silty SAND with gravel, trace cobbles, well-graded, sub-angular, medium plasticity, light brown, dry	69		SPT#1	7/12/50+	100			
			100		SPT#2	16/24/50+	100			
5	1125.0	(4.3 to 9.8) grey	88		SPT#3	13/19/29	48			
			67		SPT#4	22/36/33	69			
			96		SPT#5	43/37/30	67			
			88		SPT#6	14/20/41	61			
10	1120.0	**FLUVIAL** (9.8 to 11.6) Gravelly SAND, poorly-graded, sub-angular, grey, wet	75		SPT#7	46/50+	100			
		GLACIAL TILL (11.6 to 18.3) Sandy, gravelly SILT, well-graded, sub-angular, high plasticity, grey, dry	71		SPT#8	50+	100			
15	1115.0		100		SPT#9	19/26/35	61			
20	1110.0	(18.3 to 22.3) orangey-brown	92		SPT#10	18/46/48	94			
		(22.3 to 46.9) grey	100		SPT#11	15/27/44	71			
25	1105.0		88		SPT#12	15/50+	100			
			100		SPT#13	19/50+	100			

WELL INSTALLATION SYMBOLS: BENTONITE, CEMENT, GRAVEL, GROUT, SAND, SLOUGH, RISER PIPE, SLOTTED PIPE

SAMPLE SYMBOL: AUGER, SPLITSPOON, CORE, SHELBY TUBE

Terrane Metals Corp.
Mt. Milligan Project
Details For KP08-05

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-141/3	1	0

KP08-05

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, DRILLHOLE LOG_METRIC, DRILL.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 MT MILLIGAN DRILL HOLE LOGS.GPJ

Project:	**Mt. Milligan Project**	Drill Hole No.	**KP08-05**	**PAGE**	2 of 2
Drilling Co:	**Geotech Drilling Ltd.**	In Situ Sampler:	**SPT split spoon**	Date Started:	**Aug 12, 08**
Drilling Method:	**Odex**	Elevation:	**1130 m**	Date Completed:	**Aug 14, 08**
Location:	**70 km north of Fort St James**	Total Depth:	**46.9 m**	Logged by:	**CG**
Coordinates:	**434,959 N , 6,107,746 E**	Azimuth","Inclination	**0, -90**	Reviewed by:	**BB**

DEPTH (m)	ELEVATION (m)	GRAPHIC LOG	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLES	SAMPLE NO.	BLOW COUNT/ *RQD (%)*	SPT 'N' VALUE/ *RMR*	FIELD VANE SHEAR STRENGTH Remould (▲) Peak (△) / SPT TEST DATA 'N' VALUES Uncorrected (×) Corrected (□) PL MC LL 20 40 60 80	WELL / INSTRUMENT DEPTHS (m)	WELL / INSTRUMENT DETAILS
				100		SPT#14	15/50+	100			
35	1095.0			100		SPT#15	11/31/40	71			
				100		SPT#16	28/50+	100			
40	1090.0			100		SPT#17	23/48/50+	100			
				100		SPT#18	50+	100			
45	1085.0		**SAND** (46.9 to 47.3) Silty SAND with gravel, well-graded, brown, saturated	100		SPT#19	56/50+	100			
			End of Drillhole: 46.9 m								
50	1080.0										
55	1075.0										

WELL INSTALLATION SYMBOLS: BENTONITE, CEMENT, GRAVEL, GROUT, SAND, SLOUGH, RISER PIPE, SLOTTED PIPE

SAMPLE SYMBOL: AUGER, SPLITSPOON, CORE, SHELBY TUBE

Terrane Metals Corp.
Mt. Milligan Project
Details For KP08-05

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-141/3	1	0

KP08-05

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, DRILLHOLE LOG_METRIC, DRILL.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 MT MILLIGAN DRILL HOLE LOGS.GPJ

Project:	**Mt. Milligan Project**	Drill Hole No.	**KP08-06**	**PAGE**	1 of 2
Drilling Co:	**Geotech Drilling Ltd.**	In Situ Sampler:	**SPT split spoon**	Date Started:	**Aug 15, 08**
Drilling Method:	**Odex**	Elevation:	**1122 m**	Date Completed:	**Aug 16, 08**
Location:	**70 km north of Fort St James**	Total Depth:	**39.3 m**	Logged by:	**CG**
Coordinates:	**435,070 N , 6,107,678 E**	Azimuth","Inclination	**0, -90**	Reviewed by:	**BB**

DEPTH (m)	ELEVATION (m)	GRAPHIC LOG	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLES	SAMPLE NO.	BLOW COUNT/ RQD (%)	SPT 'N' VALUE/ RMR	FIELD VANE SHEAR STRENGTH Remould (▲) Peak (△) / SPT TEST DATA 'N' VALUES Uncorrected (×) Corrected (□) PL MC LL 20 40 60 80	WELL / INSTRUMENT DEPTHS (m)	WELL / INSTRUMENT DETAILS
			ORGANICS (0 to 0.6) Organics, brown, roots								
	1120.0		**GLACIAL TILL** (0.6 to 3.7) Sandy, gravelly SILT, well-graded, sub-angular, low plasticity, loose, light brown, dry	100		SPT#1	12/7/10	17	×		
				70		SPT#2	13/23/32	55	×		
			(3.7 to 12.5) grey	86		SPT#3	9/25/47	72	×		
5				75		SPT#4	12/21/30	51	×		
	1115.0			100		SPT#5	10/21/24	45	×		
				54		SPT#6	17/13/24	37	×		
10				96		SPT#7	13/17/22	39	×		
	1110.0		**FLUVIAL** (12.5 to 29.9) Gravelly SAND with silt, well-graded, sub-rounded, grey, moist.	100		SPT#8	19/46/50+	100	×	×	
15			WATER AT 25.6 m, INCREASING AT 27.4 m.								
	1105.0			89		SPT#9	11/34/50+	100	×	×	
20				80		SPT#10	22/50+	100	×	×	
	1100.0			67		SPT#11	15/50+	100	×	×	
25				93		SPT#12	50/50+	100	×	×	
	1095.0			71		SPT#13	32/50+	100	×	×	

WELL INSTALLATION SYMBOLS: BENTONITE, CEMENT, GRAVEL, GROUT, SAND, SLOUGH, RISER PIPE, SLOTTED PIPE

SAMPLE SYMBOL: AUGER, SPLITSPOON, CORE, SHELBY TUBE

Terrane Metals Corp.
Mt. Milligan Project
Details For KP08-06

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-141/3	1	0

KP08-06

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, DRILLHOLE LOG_METRIC, DRILL.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 MT MILLIGAN DRILL HOLE LOGS.GPJ

Project:	**Mt. Milligan Project**	Drill Hole No.	**KP08-06**	**PAGE**	2 of 2
Drilling Co:	**Geotech Drilling Ltd.**	In Situ Sampler:	**SPT split spoon**	Date Started:	**Aug 15, 08**
Drilling Method:	**Odex**	Elevation:	**1122 m**	Date Completed:	**Aug 16, 08**
Location:	**70 km north of Fort St James**	Total Depth:	**39.3 m**	Logged by:	**CG**
Coordinates:	**435,070 N , 6,107,678 E**	Azimuth","Inclination	**0, -90**	Reviewed by:	**BB**

DEPTH (m)	ELEVATION (m)	GRAPHIC LOG	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLES	SAMPLE NO.	BLOW COUNT/ RQD (%)	SPT 'N' VALUE/ RMR	FIELD VANE SHEAR STRENGTH (Remould ▲ Peak △) / SPT TEST DATA 'N' VALUES (Uncorrected × Corrected □) PL MC LL 20 40 60 80	WELL / INSTRUMENT DEPTHS (m)	WELL / INSTRUMENT DETAILS
			SAND AND GRAVEL (29.9 to 31.4) SAND and GRAVEL, saturated								
	1090.0		**GLACIAL TILL** (31.4 to 38.7) Gravelly SAND with silt, well-graded, sub-angular, low plasticity, grey, moist	100		SPT#14	50+	100	×		
35				75		SPT#15	50+	100	×		
	1085.0										
			FLUVIAL (38.7 to 39.3) SAND and GRAVEL, trace silt, poorly-graded, sub-angular, saturated	100		SPT#16	50+	100	×		
40			End of Drillhole: 39.3 m								
	1080.0										
45											
	1075.0										
50											
	1070.0										
55											
	1065.0										

WELL INSTALLATION SYMBOLS: BENTONITE, CEMENT, GRAVEL, GROUT, SAND, SLOUGH, RISER PIPE, SLOTTED PIPE

SAMPLE SYMBOL: AUGER, SPLITSPOON, CORE, SHELBY TUBE

Terrane Metals Corp.
Mt. Milligan Project
Details For KP08-06

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-141/3	1	0

KP08-06

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, DRILLHOLE LOG_METRIC, DRILL.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 MT MILLIGAN DRILL HOLE LOGS.GPJ

Project:	**Mt. Milligan Project**	Drill Hole No.	**KP08-07**	**PAGE**	1 of 1
Drilling Co:	**Geotech Drilling Ltd.**	In Situ Sampler:	**SPT split spoon**	Date Started:	**Aug 16, 08**
Drilling Method:	**Odex**	Elevation:	**1115 m**	Date Completed:	**Aug 17, 08**
Location:	**70 km north of Fort St James**	Total Depth:	**30.2 m**	Logged by:	**CG**
Coordinates:	**435,194 N , 6,107,602 E**	Azimuth","Inclination	**0, -90**	Reviewed by:	**BB**

DEPTH (m)	ELEVATION (m)	GRAPHIC LOG	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLES	SAMPLE NO.	BLOW COUNT/ RQD (%)	SPT 'N' VALUE/ RMR	FIELD VANE SHEAR STRENGTH (Remould ▲ Peak △) / SPT TEST DATA 'N' VALUES (Uncorrected × Corrected □) PL MC LL 20 40 60 80	WELL / INSTRUMENT DEPTHS (m)	WELL / INSTRUMENT DETAILS
			ORGANICS (0 to 1.2) Dark brown organic silt , roots, moss	100		SPT#1	12/14/50+	100			
			GLACIAL TILL (1.2 to 5.2) Sandy, gravelly SILT, trace cobbles, well-graded, sub-rounded, non-plastic, light brown, dry	100		SPT#2	17/28/33	61			
				100		SPT#3	15/22/50+	100			
5	1110.0		(5.2 to 15.2) grey, moist	100		SPT#4	50+	100			
				100		SPT#5	50+	100			
				100		SPT#6	50+	100			
10	1105.0			100		SPT#7	29/43/50+	100			
				100		SPT#8	38/50+	100			
15	1100.0		**FLUVIAL** (15.2 to 22.9) Gravelly SAND, trace silt, poorly-graded, sub-rounded, non-plastic, brownish-grey, wet-saturated.	0		SPT#9	50+	100			
			WATER AT 15.2 m.	63		SPT#10	20/50+	100			
20	1095.0			87		SPT#11	36/50+	100			
			GLACIAL TILL (22.9 to 29) Gravelly SAND and SILT, well-graded, sub-rounded, medium plasticity, grey, moist	100		SPT#12	45/50+	100			
25	1090.0			100		SPT#13	50+	100			
			SAND AND GRAVEL (29 to 30.2) SAND and GRAVEL, trace cobbles and silt	33		SPT#14	50+	100			
30	1085.0										

WELL INSTALLATION SYMBOLS: **SAMPLE SYMBOL:**

BENTONITE, CEMENT, GRAVEL, GROUT, AUGER, SPLITSPOON, SAND, SLOUGH, RISER PIPE, SLOTTED PIPE, CORE, SHELBY TUBE

Terrane Metals Corp.
Mt. Milligan Project
Details For KP08-07

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-141/3	1	0

KP08-07

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, DRILLHOLE LOG_METRIC, DRILL.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 MT MILLIGAN DRILL HOLE LOGS.GPJ

Project:	**Mt. Milligan Project**	Drill Hole No.	**KP08-08**	**PAGE**	1 of 2
Drilling Co:	**Geotech Drilling Ltd.**	In Situ Sampler:	**SPT split spoon**	Date Started:	**Aug 17, 08**
Drilling Method:	**Odex**	Elevation:	**1125 m**	Date Completed:	**Aug 19, 08**
Location:	**70 km north of Fort St James**	Total Depth:	**39.3 m**	Logged by:	**CG**
Coordinates:	**435,037 N , 6,107,543 E**	Azimuth","Inclination	**0, -90**	Reviewed by:	**BB**

DEPTH (m)	ELEVATION (m)	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLES	SAMPLE NO.	BLOW COUNT/ RQD (%)	SPT 'N' VALUE/ RMR	FIELD VANE SHEAR STRENGTH Remould (▲) Peak (△) / SPT TEST DATA 'N' VALUES Uncorrected (×) Corrected (□) PL MC LL (20 40 60 80)	WELL / INSTRUMENT DEPTHS (m)	WELL / INSTRUMENT DETAILS
		ORGANICS (0 to 0.6) Topsoil, brown, grass, roots, dry								
		GLACIAL TILL (0.6 to 9.8) Sandy, gravelly SILT, trace cobbles and boulders, well-graded, sub-angular, low-medium plasticity, brown, dry	71		SPT#1	10/21/18	39	×		
			100		SPT#2	28/30/57	87	×		
			100		SPT#3	32/46/50+	100	×		
5	1120.0		53		SPT#4	10/21/32	53	×		
			67		SPT#5	20/46/50+	100	×		
10	1115.0	(9.8 to 14.3) grey	100		SPT#6	36/50+	100	×		
			100		SPT#7	40/50+	100	×		
15	1110.0	**GLACIAL TILL** (14.3 to 16.8) Sandy, gravelly SILT, well-graded, sub-angular, medium plasticity, dense, grey, moist-wet.								
		WATER AT 15.2 m.	82		SPT#8	33/50+	100	×		
		FLUVIAL (16.8 to 23.2) Gravelly SAND, trace silt, poorly-graded, sub-rounded, non-plastic, grey, moist								
20	1105.0		80		SPT#9	29/50+	100	×		
			100		SPT#10	28/50+	100	×		
		GLACIAL TILL (23.2 to 32) Sandy SILT, trace gravel, well-graded, sub-rounded, medium plasticity, dense, dark grey, moist								
25	1100.0		95		SPT#11	32/50+	100	×		
			60		SPT#12	50+	100	×		

WELL INSTALLATION SYMBOLS: BENTONITE, CEMENT, GRAVEL, GROUT, SAND, SLOUGH, RISER PIPE, SLOTTED PIPE

SAMPLE SYMBOL: AUGER, SPLITSPOON, CORE, SHELBY TUBE

Terrane Metals Corp.
Mt. Milligan Project
Details For KP08-08

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-141/3	1	0

KP08-08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, DRILLHOLE LOG_METRIC, DRILL.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 MT MILLIGAN DRILL HOLE LOGS.GPJ

Project:	**Mt. Milligan Project**	Drill Hole No.	**KP08-08**	**PAGE**	2 of 2
Drilling Co:	**Geotech Drilling Ltd.**	In Situ Sampler:	**SPT split spoon**	Date Started:	**Aug 17, 08**
Drilling Method:	**Odex**	Elevation:	**1125 m**	Date Completed:	**Aug 19, 08**
Location:	**70 km north of Fort St James**	Total Depth:	**39.3 m**	Logged by:	**CG**
Coordinates:	**435,037 N , 6,107,543 E**	Azimuth","Inclination	**0, -90**	Reviewed by:	**BB**

DEPTH (m)	ELEVATION (m)	GRAPHIC LOG	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLES	SAMPLE NO.	BLOW COUNT/ *RQD (%)*	SPT 'N' VALUE/ *RMR*	FIELD VANE SHEAR STRENGTH (Remould ▲) (Peak △) / SPT TEST DATA 'N' VALUES (Uncorrected ×) (Corrected □) PL MC LL 20 40 60 80	WELL / INSTRUMENT DEPTHS (m)	WELL / INSTRUMENT DETAILS
			FLUVIAL (32 to 39.6) SAND and GRAVEL, trace silt, poorly-graded, sub-rounded, grey-brown, wet-saturated	67		SPT#13	22/45/50+	100	×		
35	1090.0			100		SPT#14	50+	100	×		
				67		SPT#15	26/50+	100	×		
40	1085.0		End of Drillhole: 39.3 m								
45	1080.0										
50	1075.0										
55	1070.0										

WELL INSTALLATION SYMBOLS: BENTONITE, CEMENT, GRAVEL, GROUT, SAND, SLOUGH, RISER PIPE, SLOTTED PIPE

SAMPLE SYMBOL: AUGER, SPLITSPOON, CORE, SHELBY TUBE

Terrane Metals Corp.
Mt. Milligan Project
Details For KP08-08

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-141/3	1	0

KP08-08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, DRILLHOLE LOG_METRIC, DRILL.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 MT MILLIGAN DRILL HOLE LOGS.GPJ

Project:	**Mt. Milligan Project**	Drill Hole No.	**KP08-09**	**PAGE**	1 of 2
Drilling Co:	**Geotech Drilling Ltd.**	In Situ Sampler:	**SS/ coring at 44.5m**	Date Started:	**Aug 19, 08**
Drilling Method:	**Odex, Coring**	Elevation:	**1138 m**	Date Completed:	**Aug 21, 08**
Location:	**70 km north of Fort St James**	Total Depth:	**46.5 m**	Logged by:	**CG**
Coordinates:	**434,889 N , 6,107,548 E**	Azimuth","Inclination	**0, -90**	Reviewed by:	**BB**

DEPTH (m)	ELEVATION (m)	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLE NO.	BLOW COUNT/ RQD (%)	SPT 'N' VALUE/ RMR
		ORGANICS (0 to 0.6) Organics, brown, roots				
		GLACIAL TILL (0.6 to 5.2) Sandy SILT with gravel, well-graded, sub-rounded, medium plasticity, compact, brown, dry	92	SPT#1	8/13/12	25
	1135.0		96	SPT#2	9/23/28	51
			100	SPT#3	17/34/50+	100
5		**FLUVIAL** (5.2 to 6.7) Silty SAND and GRAVEL, well-graded, non-plastic, sub-rounded, light brown, moist	75	SPT#4	19/42/50+	100
		GLACIAL TILL (6.7 to 26.5) Sandy SILT, trace gravel, well-graded, high plasticity, sub-angular, light brownish-grey, dry	100	SPT#5	50+	100
	1130.0		100	SPT#6	13/27/29	56
10			88	SPT#7	54/48/43	91
	1125.0		80	SPT#8	28/50+	100
15			100	SPT#9	25/50+	100
	1120.0		93	SPT#10	31/50+	100
20			100	SPT#11	50+	100
	1115.0		100	SPT#12	50+	100
25		**GLACIAL TILL** (26.5 to 33.5) Gravelly, sandy SILT/CLAY, trace cobbles and boulders, well-graded, sub-rounded, high plasticity, light greyish-brown, moist				
	1110.0		100	SPT#13	42/50+	100

FIELD VANE SHEAR STRENGTH Remould (▲) Peak (△)

SPT TEST DATA 'N' VALUES Uncorrected (×) Corrected (□)

PL — MC — LL

20 40 60 80

WELL / INSTRUMENT DEPTHS (m)

WELL / INSTRUMENT DETAILS

WELL INSTALLATION SYMBOLS:

BENTONITE, CEMENT, GRAVEL, GROUT, SAND, SLOUGH, RISER PIPE, SLOTTED PIPE

SAMPLE SYMBOL:

AUGER, SPLITSPOON, CORE, SHELBY TUBE

Terrane Metals Corp.
Mt. Milligan Project
Details For KP08-09

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-141/3	1	0

KP08-09

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, DRILLHOLE LOG_METRIC, DRILL.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 MT MILLIGAN DRILL HOLE LOGS.GPJ

Project:	**Mt. Milligan Project**	Drill Hole No.	**KP08-09**	**PAGE**	2 of 2
Drilling Co:	**Geotech Drilling Ltd.**	In Situ Sampler:	**SS/ coring at 44.5m**	Date Started:	**Aug 19, 08**
Drilling Method:	**Odex, Coring**	Elevation:	**1138 m**	Date Completed:	**Aug 21, 08**
Location:	**70 km north of Fort St James**	Total Depth:	**46.5 m**	Logged by:	**CG**
Coordinates:	**434,889 N , 6,107,548 E**	Azimuth","Inclination	**0, -90**	Reviewed by:	**BB**

DEPTH (m)	ELEVATION (m)	GRAPHIC LOG	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLES	SAMPLE NO.	BLOW COUNT/ *RQD (%)*	SPT 'N' VALUE/ *RMR*	FIELD VANE SHEAR STRENGTH Remould (▲) Peak (△) / SPT TEST DATA 'N' VALUES Uncorrected (×) Corrected (□) PL MC LL 20 40 60 80	WELL / INSTRUMENT DEPTHS (m)	WELL / INSTRUMENT DETAILS
	1105.0		**FLUVIAL** (33.5 to 35.4) Silty SAND and GRAVEL, well-graded, sub-angular, grey, saturated. WATER AT 33.5 m.	100		SPT#14	33/50+	100	×		
35				100		SPT#15	50+	100	×		
	1100.0		**BEDROCK** (35.4 to 46.5) Completely weathered BEDROCK (Andesite?), in a shear zone- weathered to gravel-sized fragments, surfaces weathered to orange-brown colour	100		SPT#16	50+	100	×		
40											
	1095.0			100		SPT#17	50+	100	×		
45											
			End of Drillhole: 46.5 m								
	1090.0										
50											
	1085.0										
55											
	1080.0										

WELL INSTALLATION SYMBOLS:

BENTONITE, CEMENT, GRAVEL, GROUT, SAND, SLOUGH, RISER PIPE, SLOTTED PIPE

SAMPLE SYMBOL:

AUGER, SPLITSPOON, CORE, SHELBY TUBE

Terrane Metals Corp.
Mt. Milligan Project
Details For KP08-09

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-141/3	1	0

KP08-09

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, DRILLHOLE LOG_METRIC, DRILL.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 MT MILLIGAN DRILL HOLE LOGS.GPJ

Project:	**Mt. Milligan Project**	Drill Hole No.	**KP08-10**	**PAGE**	1 of 2
Drilling Co:	**Geotech Drilling Ltd.**	In Situ Sampler:	**SPT split spoon**	Date Started:	**Aug 22, 08**
Drilling Method:	**Odex, Open Hole**	Elevation:	**1123 m**	Date Completed:	**Aug 23, 08**
Location:	**70 km north of Fort St James**	Total Depth:	**38.4 m**	Logged by:	**CG**
Coordinates:	**434,979 N , 6,107,511 E**	Azimuth","Inclination	**0, -90**	Reviewed by:	**BB**

DEPTH (m)	ELEVATION (m)	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLES	SAMPLE NO.	BLOW COUNT/ *RQD (%)*	SPT 'N' VALUE/ *RMR*	WELL / INSTRUMENT DEPTHS (m)	WELL / INSTRUMENT DETAILS
		ORGANICS (0 to 0.6) Topsoil, brown, roots							
		GLACIAL TILL (0.6 to 16.5) Sandy, gravelly SILT, trace cobbles and boulders, well-graded, sub-rounded, medium plasticity, compact, brown, dry	83		SPT#1	11/19/22	41		
	1120.0		0		SPT#2	50+	100		
5			100		SPT#3	49/50+	100		
			100		SPT#4	12/33/37	70		
	1115.0		100		SPT#5	22/35/50+	100		
			100		SPT#6	29/39/38	77		
10			67		SPT#7	50+	100		
	1110.0		100		SPT#8	50+	100		
15									
		SAND AND GRAVEL (16.5 to 20.7) SAND and GRAVEL, poorly-graded, angular, grey, saturated	100		SPT#9	50+	100		
	1105.0								
20			40		SPT#10	50+	100		
		(20.7 to 25.9) WATER AT 21.3 m.	91		SPT#11	50+	100		
	1100.0								
			100		SPT#12	50+	100		
25									
		(25.9 to 32) INCREASE IN WATER RECHARGE AT 25.9 m.	100		SPT#13	55/50+	100		
	1095.0								

FIELD VANE SHEAR STRENGTH Remould (▲) Peak (△)

SPT TEST DATA 'N' VALUES Uncorrected (×) Corrected (□)

PL — MC — LL

20 40 60 80

WELL INSTALLATION SYMBOLS:

BENTONITE, CEMENT, GRAVEL, GROUT, SAND, SLOUGH, RISER PIPE, SLOTTED PIPE

SAMPLE SYMBOL:

AUGER, SPLITSPOON, CORE, SHELBY TUBE

Terrane Metals Corp.
Mt. Milligan Project
Details For KP08-10

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-141/3	1	0

KP08-10

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, DRILLHOLE LOG_METRIC, DRILL.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 MT MILLIGAN DRILL HOLE LOGS.GPJ

Project:	**Mt. Milligan Project**	Drill Hole No.	**KP08-10**	**PAGE**	2 of 2
Drilling Co:	**Geotech Drilling Ltd.**	In Situ Sampler:	**SPT split spoon**	Date Started:	**Aug 22, 08**
Drilling Method:	**Odex, Open Hole**	Elevation:	**1123 m**	Date Completed:	**Aug 23, 08**
Location:	**70 km north of Fort St James**	Total Depth:	**38.4 m**	Logged by:	**CG**
Coordinates:	**434,979 N , 6,107,511 E**	Azimuth","Inclination	**0, -90**	Reviewed by:	**BB**

DEPTH (m)	ELEVATION (m)	GRAPHIC LOG	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLES	SAMPLE NO.	BLOW COUNT/ RQD (%)	SPT 'N' VALUE/ RMR	FIELD VANE SHEAR STRENGTH Remould (▲) Peak (△) / SPT TEST DATA 'N' VALUES Uncorrected (×) Corrected (□) PL MC LL 20 40 60 80	WELL / INSTRUMENT DEPTHS (m)	WELL / INSTRUMENT DETAILS
				63		SPT#14	43/50+	100			
	1090.0		**GLACIAL TILL** (32 to 38.4) Sandy, gravelly SILT with clay, trace cobbles and boulders, well-graded, sub-rounded, high plasticity, very dense, brownish-grey, dry-moist	100		SPT#15	50+	100			
35				100		SPT#16	50+	100			
	1085.0			100		SPT#17	43/44/50+	100			
40			**SAND AND GRAVEL** (38.4 to 38.6) Sandy gravel (caused open hole to cave in) **GLACIAL TILL** (38.6 to 38.9) Sandy, gravelly SILT, well-graded, sub-rounded, medium plasticity, brownish-grey, dry End of Drillhole: 38.4 m								
	1080.0										
45											
	1075.0										
50											
	1070.0										
55											
	1065.0										

WELL INSTALLATION SYMBOLS:

BENTONITE, CEMENT, GRAVEL, GROUT, SAND, SLOUGH, RISER PIPE, SLOTTED PIPE

SAMPLE SYMBOL:

AUGER, SPLITSPOON, CORE, SHELBY TUBE

Terrane Metals Corp.
Mt. Milligan Project
Details For KP08-10

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-141/3	1	0

KP08-10

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, DRILLHOLE LOG_METRIC, DRILL.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 MT MILLIGAN DRILL HOLE LOGS.GPJ

Project:	**Mt. Milligan Project**	Drill Hole No.	**KP08-11**	**PAGE**	1 of 1
Drilling Co:	**Geotech Drilling Ltd.**	In Situ Sampler:	**SPT split spoon**	Date Started:	**Aug 23, 08**
Drilling Method:	**Odex**	Elevation:	**1103 m**	Date Completed:	**Aug 23, 08**
Location:	**70 km north of Fort St James**	Total Depth:	**18.3 m**	Logged by:	**CG**
Coordinates:	**435,189 N , 6,107,424 E**	Azimuth","Inclination	**0, -90**	Reviewed by:	**BB**

DEPTH (m)	ELEVATION (m)	GRAPHIC LOG	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLES	SAMPLE NO.	BLOW COUNT/ RQD (%)	SPT 'N' VALUE/ RMR	FIELD VANE SHEAR STRENGTH Remould (▲) Peak (△) / SPT TEST DATA 'N' VALUES Uncorrected (×) Corrected (□) PL MC LL 20 40 60 80	WELL / INSTRUMENT DEPTHS (m)	WELL / INSTRUMENT DETAILS
			ORGANICS (0 to 0.6) ORGANICS, dark brown, wet, silty	75		SPT#1	6/11/10	21	×		
	1100.0		**GLACIAL TILL** (0.6 to 1.8) Gravelly SILT and SAND, well-graded, sub-angular/sub-rounded, loose, non-plastic, light brown, moist	100		SPT#2	61/50+	100	×		
5			**SAND AND GRAVEL** (1.8 to 3.7) Silty SAND and GRAVEL, well-graded, loose, sub-angular, non-plastic, brown, moist	88		SPT#3	30/47/50+	100	×		
			GLACIAL TILL (3.7 to 5.2) Gravelly SILT and SAND, well-graded, sub-rounded, low plasticity, light brown, moist	92		SPT#4	44/50+	100	×		
	1095.0		**SAND AND GRAVEL** (5.2 to 6.4) Silty SAND and GRAVEL, well-graded, sub-angular, silty parts high plasticity, light brownish-grey, wet	65		SPT#5	15/45/54	99	×		
				75		SPT#6	43/50+	100	×		
10				90		SPT#7	60/50+	100	×		
			(6.4 to 18.3) WATER AT 7.6 m.								
	1090.0			100		SPT#8	50+	100	×		
15											
				60		SPT#9	50+	100	×		
	1085.0		End of Drillhole: 18.3 m	67		SPT#10	50+	100	×		
20											
	1080.0										
25											
	1075.0										

WELL INSTALLATION SYMBOLS: BENTONITE, CEMENT, GRAVEL, GROUT, SAND, SLOUGH, RISER PIPE, SLOTTED PIPE

SAMPLE SYMBOL: AUGER, SPLITSPOON, CORE, SHELBY TUBE

Terrane Metals Corp.
Mt. Milligan Project
Details For KP08-11

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-141/3	1	0

KP08-11

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, DRILLHOLE LOG_METRIC, DRILL.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 MT MILLIGAN DRILL HOLE LOGS.GPJ

Project:	**Mt. Milligan Project**	Drill Hole No.	**KP08-12**	**PAGE**	1 of 1
Drilling Co:	**Geotech Drilling Ltd.**	In Situ Sampler:	**SPT split spoon**	Date Started:	**Aug 24, 08**
Drilling Method:	**Odex**	Elevation:	**1112 m**	Date Completed:	**Aug 24, 08**
Location:	**70 km north of Fort St James**	Total Depth:	**28.7 m**	Logged by:	**CG**
Coordinates:	**435,073 N , 6,107,472 E**	Azimuth","Inclination	**0, -90**	Reviewed by:	**BB**

DEPTH (m)	ELEVATION (m)	GRAPHIC LOG	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLES	SAMPLE NO.	BLOW COUNT/ RQD (%)	SPT 'N' VALUE/ RMR	FIELD VANE SHEAR STRENGTH (Remould ▲ Peak △) / SPT TEST DATA 'N' VALUES (Uncorrected × Corrected □) PL MC LL 20 40 60 80	WELL / INSTRUMENT DEPTHS (m)	WELL / INSTRUMENT DETAILS
	1110.0		**ORGANICS** (0 to 0.6) Organic silts, topsoil, rounded cobbles, moist with roots, light brown	92		SPT#1	6/9/11	20			
			GLACIAL TILL (0.6 to 12.2) Sandy, gravelly SILT, well-graded, sub-angular, low plasticity, orangeish-brown, dry	04		SPT#2	27/32/50+	100			
5				67		SPT#3	25/50/50+	100			
				100		SPT#4	47/50+	100			
	1105.0			95		SPT#5	37/50+	100			
				100		SPT#6	50+	100			
10				100		SPT#7	50+	100			
	1100.0		**FLUVIAL** (12.2 to 15.2) SAND and GRAVEL, poorly-graded, sub-angular, grey, saturated	100		SPT#8	50+	100			
15			**FLUVIAL** (15.2 to 18.3) Gravelly SAND, trace silt, poorly-graded, sub-angular, grey, saturated	100		SPT#9	50+	100			
	1095.0		**FLUVIAL** (18.3 to 20.4) SAND with silt, trace gravel, poorly-graded, sub-rounded, non-plastic, grey, wet.	100		SPT#10	26/45/50+	100			
20			WATER AT 18.3 m.								
	1090.0		**GLACIAL TILL** (20.4 to 25.3) Sandy, gravelly SILT, well-graded, sub-rounded, high plasticity, very dense, dark grey, dry	100		SPT#11	50+	100			
25			**FLUVIAL** (25.3 to 28.7) Sandy GRAVEL, trace silt and clay, poorly-graded, sub-angular, non-plastic, saturated	100		SPT#12	29/50+	100			
	1085.0		**GLACIAL TILL** (28.7 to 28.8) Sandy, gravelly SILT, well-graded, sub-rounded, high plasticity, very dense, dark grey, dry	100		SPT#13	49/50+	100			
30			End of Drillhole: 28.7 m								

WELL INSTALLATION SYMBOLS: BENTONITE, CEMENT, GRAVEL, GROUT, SAND, SLOUGH, RISER PIPE, SLOTTED PIPE

SAMPLE SYMBOL: AUGER, SPLITSPOON, CORE, SHELBY TUBE

Terrane Metals Corp.
Mt. Milligan Project
Details For KP08-12

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-141/3	1	0

KP08-12

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, DRILLHOLE LOG_METRIC, DRILL.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 MT MILLIGAN DRILL HOLE LOGS.GPJ

Project:	**Mt. Milligan Project**	Drill Hole No.	**KP08-13**	**PAGE**	1 of 2
Drilling Co:	**Geotech Drilling Ltd.**	In Situ Sampler:	**SPT split spoon**	Date Started:	**Aug 25, 08**
Drilling Method:	**Odex**	Elevation:	**1116 m**	Date Completed:	**Aug 26, 08**
Location:	**70 km north of Fort St James**	Total Depth:	**31.7 m**	Logged by:	**CG**
Coordinates:	**435,014 N , 6,107,448 E**	Azimuth","Inclination	**0, -90**	Reviewed by:	**BB**

DEPTH (m)	ELEVATION (m)	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLE NO.	BLOW COUNT/ RQD (%)	SPT 'N' VALUE/ RMR	WELL / INSTRUMENT DEPTHS (m)	WELL / INSTRUMENT DETAILS
	1115.0	**ORGANICS** (0 to 0.6) Silt ORGANICS, dark brown, roots, fibrous	0	SPT#1	50+	-		
		SILT (0.6 to 1.8) Organic SILT with gravel and trace cobbles, well-graded, rounded, high plasticity, light brown, wet	67	SPT#2	21/35/54	89		
		GLACIAL TILL (1.8 to 6.1) Sandy, gravelly SILT, well-graded, sub-angular, high plasticity, orangeish-brown, dry	90	SPT#3	31/50+	100		
5	1110.0		100	SPT#4	50/50+	100		
		SAND AND GRAVEL (6.1 to 9.1) SAND and GRAVEL, sub-angular, grey, saturated	0	SPT#5	50+	100		
			100	SPT#6	50/50+	100		
		GLACIAL TILL (9.1 to 15.2) Silty, gravelly SAND, trace cobbles and boulders, well-graded, sub-rounded, medium plasticity, grey, dry-moist	100	SPT#7	50+	100		
10	1105.0		80	SPT#8	50/50+	100		
		SAND AND GRAVEL (15.2 to 17.4) Silty SAND and GRAVEL, well-graded, sub-angular, non-plastic, grey, saturated. WATER AT 15.2 m.	100	SPT#9	50+	100		
15	1100.0	(17.4 to 18) SILT (extremely quick/easy to drill through)						
		GLACIAL TILL (18 to 23.2) Gravelly SILT and SAND (till), well-graded, sub-angular, low plasticity, grey, dry	100	SPT#10	50/50+	100		
20	1095.0		100	SPT#11	50/50+	100		
		SAND (23.2 to 23.8) SAND, sub-angular, saturated						
25		**SAND AND GRAVEL** (23.8 to 24.4) SAND and GRAVEL, sub-angular, grey, saturated	100	SPT#12	50/50+	100		
	1090.0	**GLACIAL TILL** (24.4 to 26.5) Sandy, gravelly SILT, with cobbles, well-graded, sub-angular, medium plasticity, dark grey, dry	89	SPT#13	50+	100		
		FLUVIAL (26.5 to 28.7)						

FIELD VANE SHEAR STRENGTH — Remould (▲) Peak (△)

SPT TEST DATA 'N' VALUES — Uncorrected (×) Corrected (□)

PL — MC — LL

20 40 60 80

WELL INSTALLATION SYMBOLS: BENTONITE, CEMENT, GRAVEL, GROUT, SAND, SLOUGH, RISER PIPE, SLOTTED PIPE

SAMPLE SYMBOL: AUGER, SPLITSPOON, CORE, SHELBY TUBE

Terrane Metals Corp.
Mt. Milligan Project
Details For KP08-13

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-141/3	1	0

KP08-13

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, DRILLHOLE LOG_METRIC, DRILL.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 MT MILLIGAN DRILL HOLE LOGS.GPJ

Project:	**Mt. Milligan Project**	Drill Hole No.	**KP08-13**	**PAGE**	2 of 2
Drilling Co:	**Geotech Drilling Ltd.**	In Situ Sampler:	**SPT split spoon**	Date Started:	**Aug 25, 08**
Drilling Method:	**Odex**	Elevation:	**1116 m**	Date Completed:	**Aug 26, 08**
Location:	**70 km north of Fort St James**	Total Depth:	**31.7 m**	Logged by:	**CG**
Coordinates:	**435,014 N , 6,107,448 E**	Azimuth","Inclination	**0, -90**	Reviewed by:	**BB**

DEPTH (m)	ELEVATION (m)	GRAPHIC LOG	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLES	SAMPLE NO.	BLOW COUNT/ RQD (%)	SPT 'N' VALUE/ RMR	FIELD VANE SHEAR STRENGTH (Remould ▲ Peak △) / SPT TEST DATA 'N' VALUES (Uncorrected × Corrected □) PL MC LL 20 40 60 80	WELL / INSTRUMENT DEPTHS (m)	WELL / INSTRUMENT DETAILS
	1085.0		Sandy GRAVEL, trace silt, poorly-graded, sub-angular, saturated. INCREASE IN WATER RECHARGE AT 26.5 m.								
			FLUVIAL (28.7 to 30.2) Gravelly SAND, trace silt, poorly-graded, sub-angular, grey, saturated	54		SPT#14	14/26/30	56	×		
35	1080.0		**SAND** (30.2 to 30.8) SAND, sub-rounded, brown, saturated								
			End of Drillhole: 31.7 m								
40	1075.0										
45	1070.0										
50	1065.0										
55	1060.0										

WELL INSTALLATION SYMBOLS: BENTONITE, CEMENT, GRAVEL, GROUT, SAND, SLOUGH, RISER PIPE, SLOTTED PIPE

SAMPLE SYMBOL: AUGER, SPLITSPOON, CORE, SHELBY TUBE

Terrane Metals Corp.
Mt. Milligan Project
Details For KP08-13

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-141/3	1	0

KP08-13

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, DRILLHOLE LOG_METRIC, DRILL.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 MT MILLIGAN DRILL HOLE LOGS.GPJ

Project:	**Mt. Milligan Project**	Drill Hole No.	**KP08-14**	**PAGE**	1 of 2
Drilling Co:	**Geotech Drilling Ltd.**	In Situ Sampler:	**SPT split spoon**	Date Started:	**Aug 26, 08**
Drilling Method:	**Odex**	Elevation:	**1123 m**	Date Completed:	**Aug 27, 08**
Location:	**70 km north of Fort St James**	Total Depth:	**39.3 m**	Logged by:	**CG**
Coordinates:	**434,981 N , 6,107,310 E**	Azimuth","Inclination	**0, -90**	Reviewed by:	**BB**

DEPTH (m)	ELEVATION (m)	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLE NO.	BLOW COUNT/ RQD (%)	SPT 'N' VALUE/ RMR	WELL / INSTRUMENT DEPTHS (m)
		ORGANICS (0 to 0.6) Silty SAND with cobbles, roots, brown	100	SPT#1	11/21/20	41	
	1120.0	**GLACIAL TILL** (0.6 to 3.7) Gravelly SAND with silt, well-graded, sub-angular, low-medium plasticity, light brown, dry-moist	97	SPT#2	35/36/53	89	
		FLUVIAL (3.7 to 5.2)	83	SPT#3	21/42/42	84	
5		Gravelly SAND with trace silt, poorly-graded, sub-angular, non-plastic, brownish-grey, wet	71	SPT#4	11/30/33	63	
		GLACIAL TILL (5.2 to 10) Sandy, gravelly SILT, trace clay and boulders, well-graded, sub-angular, high plasticity, light greyish-brown, dry	92	SPT#5	8/16/21	37	
	1115.0		83	SPT#6	12/27/42	69	
10		**GRAVEL** (10 to 10.4) GRAVEL, grey, angular	100	SPT#7	31/50/50	100	
		GLACIAL TILL (10.4 to 12.2) Gravelly SILT and SAND, well-graded, sub-angular, low plasticity, brown, dry	100	SPT#8	48/50+	100	
	1110.0	**GLACIAL TILL** (12.2 to 24.4) Silty SAND and GRAVEL, well-graded, sub-angular, medium plasticity, greyish-brown, moist.					
15		WATER AT 12.2 m.	83	SPT#9	22/50+	100	
	1105.0		100	SPT#10	44/50+	100	
20							
	1100.0		100	SPT#11	29/50+	100	
25		**SAND** (24.4 to 24.8) SAND, saturated	100	SPT#12	28/50+	100	
		GLACIAL TILL (24.8 to 27.4) Gravelly SAND and SILT, well-graded, sub-rounded, low plasticity, very dense, grey, dry					
	1095.0	**FLUVIAL** (27.4 to 37.2) SAND and GRAVEL, trace silt, poorly-graded, sub-angular, non-plastic, saturated	29	SPT#13	50/50+	100	

FIELD VANE SHEAR STRENGTH Remould (▲) Peak (△)

SPT TEST DATA 'N' VALUES Uncorrected (×) Corrected (□)

PL — MC — LL

20 40 60 80

WELL / INSTRUMENT DETAILS

WELL INSTALLATION SYMBOLS: BENTONITE, CEMENT, GRAVEL, GROUT, SAND, SLOUGH, RISER PIPE, SLOTTED PIPE

SAMPLE SYMBOL: AUGER, SPLITSPOON, CORE, SHELBY TUBE

Terrane Metals Corp.
Mt. Milligan Project
Details For KP08-14

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-141/3	1	0

KP08-14

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, DRILLHOLE LOG_METRIC, DRILL.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 MT MILLIGAN DRILL HOLE LOGS.GPJ

Project:	**Mt. Milligan Project**	Drill Hole No.	**KP08-14**	**PAGE**	2 of 2
Drilling Co:	**Geotech Drilling Ltd.**	In Situ Sampler:	**SPT split spoon**	Date Started:	**Aug 26, 08**
Drilling Method:	**Odex**	Elevation:	**1123 m**	Date Completed:	**Aug 27, 08**
Location:	**70 km north of Fort St James**	Total Depth:	**39.3 m**	Logged by:	**CG**
Coordinates:	**434,981 N , 6,107,310 E**	Azimuth","Inclination	**0, -90**	Reviewed by:	**BB**

DEPTH (m)	ELEVATION (m)	GRAPHIC LOG	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLES	SAMPLE NO.	BLOW COUNT/ RQD (%)	SPT 'N' VALUE/ RMR	FIELD VANE SHEAR STRENGTH (Remould ▲ Peak △) / SPT TEST DATA 'N' VALUES (Uncorrected × Corrected □) PL MC LL 20 40 60 80	WELL / INSTRUMENT DEPTHS (m)	WELL / INSTRUMENT DETAILS
	1090.0			95		SPT#14	39/50+	100	×		
35				86		SPT#15	50/50+	100	×		
	1085.0		**GLACIAL TILL** (37.2 to 39.3) Sandy, gravelly SILT with clay, well-graded, sub-angular, high plasticity, very dense, light greyish-brown, dry-moist	100		SPT#16	36/50+	100	×		
40			End of Drillhole: 39.3 m	90		SPT#17	33/50+	100	×		
	1080.0										
45											
	1075.0										
50											
	1070.0										
55											
	1065.0										

WELL INSTALLATION SYMBOLS: BENTONITE, CEMENT, GRAVEL, GROUT, SAND, SLOUGH, RISER PIPE, SLOTTED PIPE

SAMPLE SYMBOL: AUGER, SPLITSPOON, CORE, SHELBY TUBE

Terrane Metals Corp.
Mt. Milligan Project
Details For KP08-14

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-141/3	1	0

KP08-14

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, DRILLHOLE LOG_METRIC, DRILL.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 MT MILLIGAN DRILL HOLE LOGS.GPJ

Appendix II
Test Pit Logs

Project:	**Mt. Milligan Project**	**Test Pit No.:**	**TP08-01**	**Page**	**1 of 1**
Contractor:	**Taba Enterprises Ltd.**	Equipment Used:	**VOLVO EC210CL**	Date Started:	**Aug 7, 08**
Location:	**Maintenance Complex**	Total Depth:	**4.8 m**	Date Completed:	**Aug 7, 08**
Coordinates	**6,108,037.00 N , 435,053.00 E**	Elevation:	**1103.00 m**	Logged by:	**CG**
				Reviewed by:	**BB**

DEPTH - (m)	ELEVATION - (m)	SAMPLES	SAMPLE NO.	MATERIAL DESCRIPTION	COMMENTS
				TOPSOIL (0 to 0.45) Sandy organic topsoil, dark brown with grass and roots, fibrous	
				SANDY SILT (GLACIAL TILL) (0.45 to 0.96) Sandy SILT, trace cobbles, sub-rounded, light brown, dry	
1	1102.0			**SILTY, GRAVELLY SAND (GLACIAL TILL)** (0.96 to 4.8) Silty, gravelly SAND, some cobbles, trace boulder, sub-rounded, brown	
2	1101.0				
3	1100.0				
4	1099.0	GB	S08-1		
5	1098.0			End of Test Pit: 4.8 m	Noticed water at 0.96 m, test pit walls saturated at 1.4 m.

SAMPLING SYMBOLS:

GB GRAB ■ BLOCK

Terrane Metals Corp.
Mt. Milligan Project
Details For TP08-01

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-00141/3	1	0

TP08-01

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, TEST PIT LOG_METRIC, TEST PIT_M.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 TEST PITS.GPJ

Project:	**Mt. Milligan Project**	**Test Pit No.:**	**TP08-02**	**Page**	**1 of 1**
Contractor:	**Taba Enterprises Ltd.**	Equipment Used:	**VOLVO EC210CL**	Date Started:	**Aug 11, 08**
Location:	**Truck Loading Pad**	Total Depth:	**4.5 m**	Date Completed:	**Aug 11, 08**
Coordinates	**6,107,765.00 N , 434,875.00 E**	Elevation:	**1136.00 m**	Logged by:	**JS**
				Reviewed by:	**BB**

DEPTH - (m)	ELEVATION - (m)	SAMPLES	SAMPLE NO.	MATERIAL DESCRIPTION	COMMENTS
0	1136.0			**TOPSOIL** (0 to 0.2) Sandy organic topsoil, dark brown with wood and roots fibre	
				SANDY GRAVEL (GLACIAL TILL) (0.2 to 3.8) Sandy GRAVEL with some cobbles, rounded, well graded, non plastic, brown, compact, moist	
1	1135.0				
2	1134.0				
3	1133.0				
4	1132.0			**SILTY GRAVEL (GLACIAL TILL)** (3.8 to 4.5) Silty GRAVEL with some cobbles, rounded, well graded, low plasticity, grey, very dense, moist	
				End of Test Pit: 4.5 m	No water in test pit.

SAMPLING SYMBOLS:

GB GRAB ■ BLOCK

Terrane Metals Corp.
Mt. Milligan Project
Details For TP08-02

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-00141/3	1	0

TP08-02

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, TEST PIT LOG_METRIC, TEST PIT_M.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 TEST PITS.GPJ

Project:	**Mt. Milligan Project**	**Test Pit No.:**	**TP08-03**	**Page**	**1 of 1**
Contractor:	**Taba Enterprises Ltd.**	Equipment Used:	**VOLVO EC210CL**	Date Started:	**Aug 11, 08**
Location:	**Ore Stockpile**	Total Depth:	**5.0 m**	Date Completed:	**Aug 11, 08**
Coordinates	**6,107,668.00 N , 435,000.00 E**	Elevation:	**1131.00 m**	Logged by:	**JS**
				Reviewed by:	**BB**

DEPTH - (m)	ELEVATION - (m)	SAMPLES	SAMPLE NO.	MATERIAL DESCRIPTION	COMMENTS
0	1131.0			**TOPSOIL** (0 to 0.15) Sandy organic topsoil, dark brown with wood and roots fibre	
				SANDY GRAVEL (GLACIAL TILL) (0.15 to 4.1) Sandy GRAVEL with some cobbles, rounded, well graded, non plastic, brown, compact, dry	
1	1130.0				
2	1129.0				
3	1128.0				
4	1127.0			**SILTY GRAVEL (GLACIAL TILL)** (4.1 to 5) Silty GRAVEL with some cobbles, rounded, well graded, low plasticity, grey, very dense, moist	
		GB	S08-2		
5	1126.0			End of Test Pit: 5 m	No water in test pit.

SAMPLING SYMBOLS:

GB GRAB ■ BLOCK

Terrane Metals Corp.
Mt. Milligan Project
Details For TP08-03

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-00141/3	1	0

TP08-03

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, TEST PIT LOG_METRIC, TEST PIT_M.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 TEST PITS.GPJ

Project:	**Mt. Milligan Project**	**Test Pit No.:**	**TP08-04**	Page	1 of 1
Contractor:	**Taba Enterprises Ltd.**	Equipment Used:	**VOLVO EC210CL**	Date Started:	**Aug 11, 08**
Location:	**Ore Stockpile**	Total Depth:	**3.2 m**	Date Completed:	**Aug 11, 08**
Coordinates	**6,107,606.00 N , 435,127.00 E**	Elevation:	**1124.00 m**	Logged by:	**JS**
				Reviewed by:	**BB**

DEPTH - (m)	ELEVATION - (m)	SAMPLES	SAMPLE NO.	MATERIAL DESCRIPTION	COMMENTS
				TOPSOIL (0 to 0.3) Sandy organic topsoil, dark brown with wood and roots fibre	
				CLAYEY, SILTY GRAVEL (0.3 to 1.1) Clayey, silty GRAVEL, subrounded, well graded, medium plasticity, light brown, moist	
1	1123.0				
				SANDY GRAVEL (GLACIAL TILL) (1.1 to 3) sandy-GRAVEL with some cobbles, rounded, well graded,non plastic, brown, compact, dry	
2	1122.0				
3	1121.0			**GRAVEL** (3 to 3.2) One large boulder +5m (larger than the pit)	No water in test pit.
				End of Test Pit: 3.2 m	
4	1120.0				

SAMPLING SYMBOLS:

GB GRAB ■ BLOCK

Terrane Metals Corp.
Mt. Milligan Project
Details For TP08-04

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-00141/3	1	0

TP08-04

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, TEST PIT LOG_METRIC, TEST PIT_M.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 TEST PITS.GPJ

Project:	**Mt. Milligan Project**	**Test Pit No.:**	**TP08-05**	Page	1 of 1
Contractor:	**Taba Enterprises Ltd.**	Equipment Used:	**VOLVO EC210CL**	Date Started:	**Aug 11, 08**
Location:	**Plant Site Pad**	Total Depth:	**4.2 m**	Date Completed:	**Aug 11, 08**
Coordinates	**6,107,426.00 N , 435,148.00 E**	Elevation:	**1105.00 m**	Logged by:	**JS**
				Reviewed by:	**BB**

DEPTH - (m)	ELEVATION - (m)	SAMPLES	SAMPLE NO.	MATERIAL DESCRIPTION	COMMENTS
0	1105.0			**TOPSOIL** (0 to 0.2) Sandy organic topsoil, dark brown with wood and roots fibre	
				SAND (0.2 to 2.9) SAND, fine grained some silt, poorly graded, non plastic, brown, loose, dry	
1	1104.0				
2	1103.0				
3	1102.0			**SILTY CLAY** (2.9 to 3.6) Silty CLAY, poorly graded, medium plasticity, brown, firm, moist	
4	1101.0			**SANDY GRAVEL (GLACIAL TILL)** (3.6 to 4.2) Sandy GRAVEL with some cobbles, rounded, well graded,non plastic, brown, compact, moist ▼	
				End of Test Pit: 4.2 m	Ravelling into pit Minimal water seepage at 4.0 m

SAMPLING SYMBOLS:

GB GRAB ■ BLOCK

Terrane Metals Corp.
Mt. Milligan Project
Details For TP08-05

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-00141/3	1	0

TP08-05

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, TEST PIT LOG_METRIC, TEST PIT_M.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 TEST PITS.GPJ

Project:	**Mt. Milligan Project**	**Test Pit No.:**	**TP08-06**	**Page**	**1 of 1**
Contractor:	**Taba Enterprises Ltd.**	Equipment Used:	**VOLVO EC210CL**	Date Started:	**Aug 11, 08**
Location:	**Plant Site Pad**	Total Depth:	**4.3 m**	Date Completed:	**Aug 11, 08**
Coordinates	**6,107,459.00 N , 434,947.00 E**	Elevation:	**1128.00 m**	Logged by:	**JS**
				Reviewed by:	**BB**

DEPTH - (m)	ELEVATION - (m)	SAMPLES	SAMPLE NO.	MATERIAL DESCRIPTION	COMMENTS
				TOPSOIL (0 to 0.2) Sandy organic topsoil, dark brown with wood and roots fibre	
				SANDY GRAVEL (GLACIAL TILL) (0.2 to 4.3) Sandy GRAVEL with some cobbles, rounded, well graded, non plastic, brown, compact, moist	
1	1127.0				
2	1126.0				
3	1125.0				
4	1124.0				
				End of Test Pit: 4.3 m	No water in test pit.

SAMPLING SYMBOLS:

GB GRAB ■ BLOCK

Terrane Metals Corp.
Mt. Milligan Project
Details For TP08-06

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-00141/3	**1**	**0**

TP08-06

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, TEST PIT LOG_METRIC, TEST PIT_M.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 TEST PITS.GPJ

Project:	**Mt. Milligan Project**	**Test Pit No.:**	**TP08-07**	**Page**	**1 of 1**
Contractor:	**Taba Enterprises Ltd.**	Equipment Used:	**VOLVO EC210CL**	Date Started:	**Aug 12, 08**
Location:	**Plant Site**	Total Depth:	**3.8 m**	Date Completed:	**Aug 12, 08**
Coordinates	**6,107,379.00 N , 434,997.00 E**	Elevation:	**1120.00 m**	Logged by:	**CG**
				Reviewed by:	**BB**

DEPTH - (m)	ELEVATION - (m)	SAMPLES	SAMPLE NO.	MATERIAL DESCRIPTION	COMMENTS
				TOPSOIL (0 to 0.9) Sandy organic topsoil, dark brown, tree roots and logs	
1	1119.0			**SILTY, GRAVELLY SAND (GLACIAL TILL)** (0.9 to 3.8) Silty, gravelly SAND, with cobbles, well-graded, rounded, high plasticity, light brown turning to grey at 3.1m, dense, wet-saturated, boulder at bottom	
2	1118.0				
3	1117.0	GB	S08-3		
				End of Test Pit: 3.8 m	Water at 0.9 m.
4	1116.0				

SAMPLING SYMBOLS:

GB GRAB BLOCK

Terrane Metals Corp.
Mt. Milligan Project
Details For TP08-07

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-00141/3	1	0

TP08-07

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, TEST PIT LOG_METRIC, TEST PIT_M.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 TEST PITS.GPJ

Project:	**Mt. Milligan Project**	**Test Pit No.:**	**TP08-08**	**Page**	**1 of 1**
Contractor:	**Taba Enterprises Ltd.**	Equipment Used:	**VOLVO EC210CL**	Date Started:	**Aug 12, 08**
Location:	**Construction Camp**	Total Depth:	**4.9 m**	Date Completed:	**Aug 12, 08**
Coordinates	**6,107,018.00 N , 434,949.00 E**	Elevation:	**1155.00 m**	Logged by:	**CG**
				Reviewed by:	**BB**

DEPTH - (m)	ELEVATION - (m)	SAMPLES	SAMPLE NO.	MATERIAL DESCRIPTION	COMMENTS
				TOPSOIL (0 to 0.35) Sandy organic topsoil, light brown, roots, logs and moss, dry	
				GRAVELLY SAND (0.35 to 4.9) Gravelly SAND with cobbles, trace boulders and silt, well-graded, sub-rounded, dense, massive, low plasticity, light brown, moist	
1	1154.0				
2	1153.0				
3	1152.0				
4	1151.0				
				End of Test Pit: 4.9 m	No water in test pit.

SAMPLING SYMBOLS:

GB GRAB ■ BLOCK

Terrane Metals Corp.
Mt. Milligan Project
Details For TP08-08

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-00141/3	**1**	**0**

TP08-08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, TEST PIT LOG_METRIC, TEST PIT_M.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 TEST PITS.GPJ

Project:	**Mt. Milligan Project**	**Test Pit No.:**	**TP08-09**	**Page**	**1 of 1**
Contractor:	**Taba Enterprises Ltd.**	Equipment Used:	**VOLVO EC210CL**	Date Started:	**Aug 12, 08**
Location:	**Construction Camp**	Total Depth:	**5.1 m**	Date Completed:	**Aug 12, 08**
Coordinates	**6,106,874.00 N , 434,953.00 E**	Elevation:	**1155.00 m**	Logged by:	**CG**
				Reviewed by:	**BB**

DEPTH - (m)	ELEVATION - (m)	SAMPLES	SAMPLE NO.	MATERIAL DESCRIPTION	COMMENTS
1	1154.0			**TOPSOIL** (0 to 1.4) Sandy organic topsoil, grass and roots, logs, loose, light brown, dry	
2	1153.0			**SANDY GRAVEL (GLACIAL TILL)** (1.4 to 2) Sandy, cobbley, GRAVEL, well-graded, high plasticity, dense, grey, moist	
3	1152.0			**SILTY, GRAVELLY SAND (GLACIAL TILL)** (2 to 3.9) Silty, gravelly SAND with cobbles and trace boulders, well-graded, sub-rounded, high plasticity, dense, light brown, moist	
4	1151.0			**SANDY SILT (GLACIAL TILL)** (3.9 to 5.1) Sandy SILT/CLAY with gravel and cobbles, trace boulders, well-graded, high plasticity, very dense, sub-rounded, grey-brown, moist	
5	1150.0	GB	S08-4	End of Test Pit: 5.1 m	Water at 2.0 m.

SAMPLING SYMBOLS:

GB GRAB ■ BLOCK

Terrane Metals Corp.
Mt. Milligan Project
Details For TP08-09

Knight Piésold CONSULTING

Project No.	Ref. No.	Rev.
VA101-00141/3	1	0

TP08-09

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\LIBRARY_M.GLB, TEST PIT LOG_METRIC, TEST PIT_M.GDT, Dec 10, 08

M:\1\01\00141\03\A\DATA\GEOTECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE\GINT\2008 TEST PITS.GPJ

Appendix III
Test Well Drill Logs

DRILL HOLE : TW08-1

Date Drilled: October 15 to 19, 2008
Rig: Fraste MDXT
Contractor: Geotech Drilling Services Ltd.
Drilling Method: Air-rotary, Odex - excentric bit

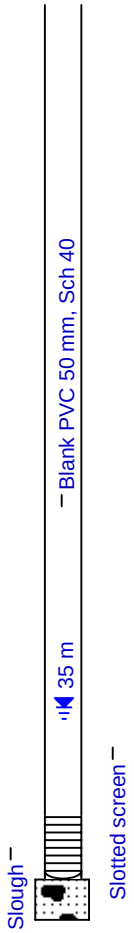
Location: Mt. Milligan - mine camp
Elevation: 1155 m
Co-ord: E434,900 N6,106,870 m

Project No. 7177
Project: Mt. Milligan Mine
Client: Terrane Metals Corp.

Depth (m)	Sample Type	Sample Number	RQD %	Symbols	SOIL DESCRIPTION	Elevation	Depth
					Ground Surface	1155.0	0.0
					Silty Sand and Gravel weathered glacial till, dens, with boulders, moist to dry, brownish, trace water at 7 m		
						1147.5	7.5
					Glacial Till silty sand and fine gravel, with occasional cobbles, very dense, moist to dry, grey		
						1137.3	17.7
					Silty Sand with trace gravel, dense, moist to dry, rusty to ochre brown		
						1130.6	24.4
					Glacial Till as from 7.5 to 17.7 m, moist to dry		
						1112.0	43.0
					Silty Sand and Gravel trace clay, dense to medium dense, saturated, brown	1109.4	45.6
					End of Borehole		

Test well was decommissioned after airlift testing on Oct 19, 2008 and backfilled with bentonite chips and cuttings.

Well Installation



All material was removed and drillhole was backfilled

Groundwater Inflow liters/sec
0.1 10

Electric. Conductivity
mS/cm
0.5 1 1.5

pH units
6 8 10

WATER MANAGEMENT CONSULTANTS
A Schlumberger Company

130-10691 Shellbridge Way
Richmond, B.C., Canada

DRILL HOLE : TW08-2

Date Drilled: October 19 to 20, 2008
Rig: Fraste MDXT
Contractor: Geotech Drilling Services Ltd.
Drilling Method: Air-rotary, Odex - drop-off bit

Location: Mt. Milligan - mine camp
Elevation: 1080 m
Co-ord: E435,760 N6,106,450 m

Project No. 7177
Project: Mt. Milligan Mine
Client: Terrane Metals Corp.

Depth (m)	Sample Type	Sample Number	RQD %	Symbols	SOIL DESCRIPTION	Elevation / Depth	Well Installation
0					Ground Surface	1155.0 / 0.0	
					Silty Sand and Gravel with boulders, dense, moist to dry, brownish		
10						1142.5 / 12.5	
					Glacial Till silty sand and fine gravel, very dense, moist to dry, grey	1139.5 / 15.5	
15					***Silty Sand and Gravel*** fine to coarse, dense, saturated, brown	1137.0 / 18.0	
20					***Sand and Gravel*** fine to medium coarse, dense, saturated, brown-grey		
25							
30						1125.1 / 29.9	
					Silty Sand and Gravel trace clay, dense to medium dense, saturated, brown		
35						1118.5 / 36.5	
					End of Borehole		
40							
45							
50							
55					Test well was decommissioned after airlift testing on Oct 21, 2008 and backfilled with bentonite chips and cuttings.		All material was removed and drillhole was backfilled
60							

Well Installation: 8.5 m; Blank PVC 50 mm, Sch 40; Slotted screen

Groundwater Inflow liters/sec: 0.1 – 10

Electric. Conductivity mS/cm: 0.5 – 1 – 1.5

pH units: 6 – 8 – 10

WATER MANAGEMENT CONSULTANTS
A Schlumberger Company

130-10691 Shellbridge Way
Richmond, B.C., Canada