

#### 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

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 sample	es 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 (sca	ıle, area)		
Legal Surveys (scale, area)			
Road, local access (km)/tra	il		
Trench (number/metres)			
Underground development	(metres)	510001	<b>0477005</b>
Other	9 test pits	512904	\$34,779.95
		COST	\$259,748.56

BC Geological Survey Assessment Report 31095

# 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

Introduction	1
Location	1
Access	1
Property Description and Ownership	
Property History	5
Geology	
Regional Geology	
Property Geology	
2008 Work Program	10
Drilling Program	10
Test Pit Program	12
Test Well Program	13
Discussion/Interpretation of Results	14
References	15
Statement of Expenditures	16
Statement of Qualifications	18

#### Tables

Table 1: Mt. Milligan Claim Status	5
Table 2: Drillhole Site Summary	12
Table 3: Test Pit Site Summary	12

#### Figures

Figure 1: Mt. Milligan Location	2
Figure 2: Property Geology	9
Figure 3: 2008 Work Program	
Figure 4: Mt. Milligan Claims	20

#### Appendices

Appendix I: Drillhole Logs Appendix II: Test Pit Logs Appendix III: Test-well Logs

### 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	Claim Nama	Owner	Tomura Turno	Map	Good To	Ctatua	Area
Number		Owner	Tenure Type	Number	Date	Status	(na)
512940		205910 (100%)	Mineral	0930	2011/apr/01	GOOD	463.28
512941		205910 (100%)	Mineral	0930	2011/apr/01	GOOD	463.38
512942		205910 (100%)	Mineral	0930	2011/apr/04	GOOD	445.05
512943		205910 (100%)	Mineral	0930	2011/apr/04	GOOD	445.05
512944		205910 (100%)	Mineral	0930	2011/aug/26	GOOD	445.21
512945		205910 (100%)	Mineral	0930	2011/aug/26	GOOD	445.21
512960		205910 (100%)	Mineral	0930	2011/apr/04	GOOD	443.63
512982		205910 (100%)	Mineral	0930	2010/sep/02	GOOD	147.88
521164	MILL 1	205910 (100%)	Mineral	0930	2010/oct/14	GOOD	332.83
521165	MILL 2	205910 (100%)	Mineral	0930	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 accretionsubduction 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.



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 <i>,</i> 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 <i>,</i> 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**

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

#### **Rental Equipment**

		Tandem Axle Support Vehicle/Equipment and		
23	day	materials storage	\$275.00	\$6,325.00
23	day	Morooka MST 1100 Track Support Unit	\$650.00	\$14,950.00
		High Pressure Diamond drill pump rental/ Mud		
2	day	rotary mud pump	\$250.00	\$500.00
		Grout pump rental,mud mixer, mud tank ,tremmie		
13	day	rods	\$250.00	\$3,250.00
		Water supply pumps, bladders ,portable tanks,		
23	day	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 <i>,</i> 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
Consur	nables			
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 1<sup>st</sup> 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 23<sup>rd</sup> 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:

- 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



Appendix I Drill Logs

ſ	F	Proje	ct:	Mt. Milligan Project		D	rill Hole	e No. 🔄	KP	08-01		PAG	E1	of	1
		Drilling	Co:	Geotech Drilling Ltd.		I	n Situ Sa	mpler:	SPT sj	olit spoo	on D	ate Starte	d: <u>A</u>	ug 6, (	08
	Drill	ing Met	hod:	Odex Drilling			Ele	vation:	11	00 m	Date	Complete	d: <u>A</u>	ug 7, (	08
		Loca	tion:	70 km north of Fort St James			Total	Depth:	2	5.9 m		Logged b	y:	CG	
	C	Coordina	ates:	435,092 N , 6,108,025 E		<u>Azi</u> m	uth","Incl	ination _	0	, -90	R	eviewed b	y:	BB	
ſ		(m)	ЭG		(%)			NT/	E	FIEL	D VANE S Remould (	HEAR STR	ENGTH	ENT	IENT
	) E	NO	C LC		R	S	2 Z	INO	ALU	SP	T TEST D	ATA 'N' VA	LUES	N M M M M M	ILS
	TH (	/AT	РНІ		<b>PLE</b>	PLE		N C	> .z~	Uncor	rected (×	) Corre	cted (□)	INS1 HTH	/ INS1
	EP.	E	ŝRA	DESCRIPTION OF MATERIALS	N N N	AM	MA	SQD SQD	RMI			•			ELL
ł	-				67	s	SPT#1	3/5/5	10	20 ×	0 40	60	80	3	3
			, .	(0  to  0.6)				0,0,0							
				FLUVIAL											
			0. 0	(0.6 to 5.5)											
				brown, wet.	71	$\succ$	SPT#2	11/13/30	43		×				
	1111	_	。 。 ひ	WATER AT 0.76 m.	0.7		0.07/0	0.1.10/50							
	5-	1095.0 -	, 0 0 0		67	$\frown$	SPI#3	21/40/50	90						
0,08			νÕ		88	$\sim$	SPT#4	22/50+	100					*	
ec 1(				(5.5 to 7) saturated				22/001	100						
∟ ⊢			0. 2		88	$\times$	SPT#5	37/50+	100					*	
D D	1111	-		(7 to 10.4) more gravel											
DRIL	111		0.0 •0		62	$\times$	SPT#6	19/49/50+	+ 100					*	
Ú,	10-	1090.0 -	, e , e , e												
METF			•~~	GLACIAL TILL	100	~	SPT#7	41/40+	100					*	
Ъ			,	(10.4 to 15.2) Silty SAND with gravel, trace cobbles											
Ц Ц			, .+.,	well-graded, sub-rounded, grey, moist											
ГHО		-	+ o • o • +												
DRIL	111				100	~	SPT#8	50+	100					*	
ĽB,		1005.0	* <u>,</u>												
Σ	15	1085.0 -	ç <del>t</del>	FLUVIAL											
ARY	1111	_		(15.2 to 18.6) Gravelly SAND, poorly-graded, sub-angular											
LIBR		-	0 0	grey, saturated	45		SPT#9	23/50+	100					Î	
FN10		_													
JSE/			0		-										
NHO(			°,+, °,+,	(18.6 to 23.8)	0		SPT#10		100					*	
WE	20-	1080.0 -	- oto	Sandy SIL I, trace gravel and cobbles/boulders, well-graded, sub-angular, non-plastic, grey, dry	100	~	SPT#11	50+	100					Ť	
DPD			4.0.1 2.0.+												
ΕAN															
TSIT			+												
LAN			+a.o.		100		SP1#12	23/50+	100					Î	
ATE			* * *	FLUVIAL (23.8 to 25)											
SNO	25-	1075.0 -	* * • *	$\gamma$ Sitty SAND and GRAVEL, grey, saturated.	-										
GAT			°,+		100	$\succ$	SPT#13	27/50/504	+ 100					*	
/EST				(25 to 26.2)				21100/00							
≥	1111			medium plasticity, brownish-grey, dry											
<u>T</u> EC				End of Drillhole: 25.9 m											
GEO		-													
ATA	WFI				301 ·					<u> </u>					
3/A/C			<u> </u>		1					Mt. M	ie Metal illigan F	s Corp. Project			
141/0		BENTONITE	CE CE		SPLITSP	OON				Detail	s For K	P08-01			
1/00	<u></u>	1			1		K	nia	ht	Pió	colo	Proje	ect No.	Ref. No 1	D. Rev.
M:/1/C		SAND	1667 SI		SHELBY	TUBE		ing	CON	SUL	TING	3	KP08	-01	

ſ	F	Proje	ct:	Mt. Milligan Project		D	rill Hol	e No.	KP	08-02	_	PAGE	1	of	1
		Drilling	Co:	Geotech Drilling Ltd.		li	n Situ Sa	ampler:	SPT sj	olit spoor	<u>n</u> Date	Started:	A	ug 8, (	08
	Drilli	ing Meth	nod:	Odex Drilling			Ele	evation:	11	05 m	_ Date Co	mpleted:	A	ug 8, (	08
		Locat	tion:	70 km north of Fort St James			Total	Depth:	24	4.4 m	Lo	ogged by:		CG	
ļ	C	Coordina	ites:	435,014 N , 6,108,049 E		<u>Azi</u> mi	uth","Inc	lination _	0	, -90	Revi	ewed by:		BB	
		<u> </u>	0 O		(%)		Ö	L I	Ε	FIELD R	VANE SHE emould (  )	AR STRE	NGTH	MENT	MENT
	Ē	<u>ě</u>	С Г		ER (	ES	й		VAL	SPT	TEST DAT	A 'N' VALL	JES	ts m	STRU
	Ŧ	LA I	ЧЬН		NPL S	MPL	APL APL	MC %	N. K	PL	<u>( ^ )</u>		u (□) LL	EPTI	DET.
	Ш П		GR	DESCRIPTION OF MATERIALS	SA	SAI	SAN	BL(	R SP1	20	40	60	80	MELL	WELI
ſ	=	min	* * * *	FLUVIAL											
	=	يبليس	50 O 0	Sandy SILT, trace gravel, poorly graded,	50	$\geq$	SPT#1	6/8/8	16	×					
		untun	200	\non-plastic, brown, dry											
	=	milit	°. ''''''''''''''''''''''''''''''''''''	(0.9 to 2.1)	93	~	SPT#2	49/50+	100				>	k	
		ղորոհ	ч О N	sub-rounded, non-plastic, reddish-brown,											
			/ 0 0	saturated.	90	>>	SPT#3	27/50+	100				>	K	
80	1		, ~ ~ ~ • ° °	WATER AT 1.2 m.											
c 10,	-	- Imm	о О О	(2.1 to 3.4)	77	$\geq$	SPT#4	33/50+	100					×	
ے د	-	unhum	» (۲ ۲	saturated		$\sim$	о <b>рт</b> #г	46/50	100					×	
GD.	I	mhu		(3.4 to 7.9)	90		571#3	40/50+	100						
ORILI		- minim		SAND AND GRAVEL	100		SPT#6	50+	100				>	k	
ц С,	10-	1095 0		(7.9 to 12.2) SAND and GRAVEL poorly-graded											
METF				sub-rounded, saturated	40		SPT#7	50+	100				>	K	
00 00	=	ليسرس													
ГШ		ոկլլու	) <u>****</u>	SAND	-										
LHH	-	- The second sec	***	(12.2 to 15.2) Sith SAND with group well graded											
DRI	E	in the	* *	sub-angular, non-plastic, brownish-grey, moist	100		SPT#8 	50+	100						
GLB	15-	1090.0	* * * * * *												
∑	-	Trinfin	* *	(15.2  to  21.2)											
BRAF	=	inin	• •	grey, saturated	60	>	SPT#9	18/49/50+	100				>	k	
		- dum	* * * *												
E/GIP	E	hun	* *												
SNOI		- mphin	* *												
VERF	20-	1085.0	* * * * *		67	>	SPT#10	19/50+	100					K	
POV	-	ապե	•												
AND	-		* *												
SITE		himin	* *	more gravel	00	$\times$	SPT#1	30/50+	100				>	k	
LAN	E	بليسب	, C . O	GRAVEL				30/301							
AT P	=	որու	ر م	Sandy GRAVEL, saturated.	4										
ONS	25	1080.0		WATER AT 23.8 m.											
GAT	-			End of Drillhole: 24.4 m											
/EST	-														
ЯЧ	=														
TEC															
\$\GE(		duum													
DAT	WEL	L INST	ALLA	TION SYMBOLS: SAMPLE SYME	BOL:	1		<u> </u>		Terrane	Metals (	Corp			
\03\A\		BENTONITE	С. С		SPLITSP	POON				Mt. Mil	ligan Pro	oject			
0141	<u> </u>	I	CA P		Ы			-		Details	For KP	J8-02	No	Ref N	Rev
\01\0		SAND	si a		SHELBY	TUBE	K	nig	ht.	Piés	old	VA101-1	41/3	1	0
M:/1		I	KOLJI					0	ON	SUL	TING	l	KP08	-02	

	F	Proje	ct:	Mt. Milligan Project		D	rill Ho	le No.	KP	08-0	)3		PA	GE	1	of	1
		Drilling	Co:	Geotech Drilling Ltd.		Ir	n Situ S	ampler:	SPT s	olit sp	oon	Dat	te Star	ted:	Au	ig 9, (	08
[	Drilli	ng Met	hod:	Odex Drilling			Ele	evation:	10	95 m		Date C	comple	ted:	Au	g 9, (	08
		Loca	tion:	70 km north of Fort St James			Tota	Depth:	1	5.2 m		. L	ogged	by:		CG	
	С	Coordina	ates:	435,170 N , 6,108,000 E		<u>Azi</u> mu	uth","Inc	lination	0	, -90		Rev	viewed	by:		BB	
		Ē	ő		(%)		Ġ	), TN	Ē	FI	ELD V Rer	ANE SH	EAR S		1	MENT	AENT
	Ê	NO	с Г С		<b>₩</b>	្ល	2 Z		ALL		SPT T	EST DA	TA 'N' \	ALUES	_	S (m)	ILS
	Ξ	VAT	H		PL PL PL	IPLE		M C %	.z. 2	Uno Pl	correc	ted (×)		rrected (	) 	EPTH	/ INS
	<u>н</u>		GRA	DESCRIPTION OF MATERIALS	SAN	SAN	SAN	BLO	SPT	Ē	20	40	60	00	-		VELL
	_			ORGANICS							20	40	60	00		>	>
		Indum		(0 to 2.4) ORGANIC SILT, some roots/grass, trace sand, gravel and cobbles, poorty-graded, fibrous	29	$\sim$	SPT#1	2/4/4	8	×							
		4		spongy, earthy smell, high plasticity, rounded,	-												
		- mini	». ۲	SAND	62	$\times$	SPT#2	9/8/15	23		×						
		mh	<u></u>	(2.4 to 3.7)												,	
	5-11	1090.0 -	, 0 , 0 , 0	sub-rounded, non-plastic, greyish-brown, moist.	42		SPT#3	3 22/50+	100								
ec 10, 0		unhum		WATER AT 2.4 m.	33		SPT#4	25/50+	100						*		
GDT, D		uhuuuhu		trace cobbles, saturated	80	$\times$	SPT#5	25/50+	100						*	,	
C, DRILL		umhum		<b>BOULDERS</b> (8.8 to 10.1)	88		SPT#6	50+	100						*	:	
		1085.0 -	• • • •	COBBLES and BOULDERS in a silt/sand	83	~~	SPT#7	50+	100						*	:	
LOG			ه 0 0	(10.1 to 13.7)													
THOLE		mulu	, C , C	Gravelly SAND, trace silt, poorly-graded, sub-rounded, low-no plasticity, brownish-grey, moist	100	$\times$	SPT#8	34/44/49	93						×		
B, DRII		undum		<b>GRAVEL</b> (13.7 to 15.2)													
	15-1	1080.0 -		Sandy GRAVEL, poorly-graded, sub-rounded, grey, wet	31		SPT#9	22/50+	100						×	:	
LIBKAR				End of Dhilhole: 15.2 m													
E/GINT																	
RHOUS																	
		10/5.0															
I E ANL																	
LANTS																	
AIF		mhunu															
		1070.0 -															
IGA		mhu															
VES		in the second seco															
N N																	
A/GE		- Internet															
	VEL	L INST	ALLA	TION SYMBOLS: SAMPLE SYM	BOL:			- I		Terr	ane	Metals	Corr	).	<u> </u>		
41/03/A		BENTONITE	( A C		SPLITSP	OON				Mt. Deta	Milli ails F	gan Pr for KP	oject 208-0	: 3			
		L			1.		I	nia	ht	Pi	ós	hla	P VA	roject No. 101-141/3	F	Ref. No 1	b. Rev.
)   .		SAND	667 <sup>si</sup>		SHELBY	TUBE		ing	CON	SU	LT	ING		KF	<b>'08-</b> (	03	···

	F	Proje	ct:	Mt. Milligan Project		D	rill Hole	e No.	KP	08-0	4		PA	GE	1	of	2
		Drilling	Co:	Geotech Drilling Ltd.		I	n Situ Sa	mpler:	SPT sj	olit sp	oon	Da	ate Star	ted:	Αι	<u>. 19 9, (</u>	08
	Drilli	ing Meth	nod:	Odex Drilling/Mud Rotary/Tri-coning			Ele	vation:	11	30 m		Date 0	Comple	ted:	Au	<u>g 12,</u>	08
		Locat	tion:	70 km north of Fort St James			Total	Depth:	42	2.7 m			Logged	by:		CG	
	C	Coordina	ites:	434,978 N , 6,107,846 E		<u>Azi</u> m	uth","Incl	ination	0	, -90		Re	eviewed	by:		BB	
		E	Ю		(%)		Ġ	NT/	Ē	FIE	ELD V Ren	ANE SH	HEAR S	TRENG1 (△)	ſĦ	VENT	AENT
	Ê	NO	C			្ល	N N		ALL	5	SPT T	EST DA	TA 'N' \	ALUES	;	S (m)	
	Ŧ	VAT	IH		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	IPLE	IPLE	0 M 0	ź.	Unc PL	orrec	ted (×)	Col MC	rected		/INS	/ INS
	DEP		GRA	DESCRIPTION OF MATERIALS	SAN	SAN	SAN	BLC	SPT RM	Ē	20	40	60	80	-		NELL
ł				ORGANICS							20						
		mhu	4.0.0	(0 to 0.6) Gravelly ORGANIC SILT, sub-angular, light			-										
		i indu	0.+ +a	brown	83	$\nearrow$	SPT#1	8/12/12	24		×						
		1 mil	4 o o	(0.6 to 2.1)	29	$\sim$	SPT#2	19/30/33	63				×				
			+0.0-	Gravelly, sandy SILT, trace cobbles, well-graded sub-rounded high plasticity light													
	1	hun	4.0 4.0	brown, dry	100	$\succ$	SPT#3	26/43/40	83					×			
	5-	1125.0	4.0	(2.1 to 4.9)				20/40/40									
10, 0		in the second seco	a.+ +a.+	Gravelly, sandy SILT, trace cobbles,	100	~	SPT#4	50+	100						>	ĸ	
Dec			° 9† °	brown, dry	-												
Ü,		1 mil	°,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,	(4 9 to 6 7)	100	$\ge$	SPT#5	24/27/34	61				×				
SILL.O			° .0+0	grey													
Ë		- huin	4.0_0	GLACIAL TILL (6.7 to 8.8)	100	$\geq$	SPT#6	37/55/42	97						×		
TRIC	10-	1120.0	40.0-	Sandy, gravelly SILT, trace cobbles, well-graded,	01	$\sim$		10/50	100						5		
۳		mhu	4.0_	ous angular, for probably, dark brown, ary	81		5 5 7 1 # /	18/50+	100							Ì	
ĕ		muh		(8.8 to 19.8) grev. moist	80	$\sim$	SPT#8	45/50+	100						>	k	
HOLE			4 o o	S , ,				10,001	100								
RILL		1 min															
⊡ ḿ		, dum	4.0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-														
M.GL	15-	1115.0 -			80	><	SPT#9	41/50+	100						>	ĸ	
_ 			4.0+0.														
-IBR/		i indi	a.+. .+a.•-														
ILLN			°														
SE/G			a.+++		91	$\geq$	SPT#10	20/50+	100							ŕ	
NOH		ц	°														
WER	20-	1110.0	, v. C	SAND													
		iii iii iii iii iii iii iii iii iii ii	0.0	(19.8 to 25.9) Gravelly SAND with silt, trace cobbles,	100	~	SPT#11	50+	100						>	k	
ΕAN		mh	, u , u	well-graded, sub-angular, non-plastic, brown, wet.				001	100								
TSIT			0.0	WATED AT 21.6 m													
PLAN		1 mm	° C° <	WATER AT 21.0 III.													
ATE		լիսուս	° 0 0 0		76	~	SPT#12	18/50+	100						>	ĸ	
IONS	25-	1105.0	, C* <														
IGAT			<del>, 0. 0</del>														
/EST		- minip	, C ,	(25.9 to 33.2)													
ĭ		minim	, o o	INCREASE IN WATER RECHARGE AT 27.1m.	100	$\geq$	SPT#13	32/50+	100								
TEC		hum	ۍ د م														
GEC		ціпт	, 0. 0 . ()														
DATA	WEI	<u>≣</u> LL INST		TION SYMBOLS: SAMPLE SYMI	BOL:					Torra		Motols					
)3/A/[		BENTONITE	<u>.</u>		SPI ITER					Mt.	Milli	gan P	roject				
141/(	<u> </u>					001				Deta	ils F	or K	P08-04	4			
01/00	[	SAND	500 m		QUE DY	THE	K	nio	ht	Pi	ós	old	P VA	oject No. 101-141/3	3	Ref. No 1	D. Rev.
M:/1/	•	SAND			SHELBY	IUBE		118	CON	SU	LT	ING		K	P08-	.04	



ſ	F	Proje	ct:	Mt. Milligan Project		D	rill Hole	e No.	KP	08-0	5		PAG	E 1	of	2
		Drilling	Co:	Geotech Drilling Ltd.		Ir	n Situ Sa	mpler: s	SPT sj	olit spo	oon	Date	e Starteo	d: <u>A</u>	ug 12,	08
	Drilli	ng Met	hod:	Odex			Ele	vation:	11	30 m	D	ate Co	ompleted	d: <u>A</u> u	<u>ug 14,</u>	08
		Loca	tion:	70 km north of Fort St James			Total	Depth:	4(	6.9 m		Lo	ogged by	/:	CG	
	C	Coordina	ates:	434,959 N , 6,107,746 E		Azimı	uth","Incl	nation	0	, -90		Rev	iewed by	/:	BB	
		E 7	90		(%)		d	INT /	Ρ	FIEI	LD VAN Remou	<b>IE SHE</b> ıld ( ▲)	EAR STR Peak (△	ENGTH )	MENT	MENT
	Ē	TIO	IC L		ш,	ES	Ž	() cor	VAL	S	PT TES		A 'N' VA	LUES	HS (n	STRU AILS
	PTH	A J	APH		MPL	MPL	MPL	NO NO	N. Y	PL		M	C			L / IN: DET
		ELI	GR	DESCRIPTION OF MATERIALS	SA	SAI	SAI	RO BL	R		20	40	60	80	- 4-	WEL
ſ																
	=	dum	° ° ° °	Brown, grass, roots	69	$\sim$	SPT#1	7/12/50+	100						*	
	-	mhuu	+0.0-	GLACIAL TILL (0.6 to 4.3)												
	E	mhu	+	Silty SAND with gravel, trace cobbles,	100	$\geq$	SPT#2	16/24/50+	100						*	
		mh	+a 0-	light brown, dry												
	5-	1125 0	4.0.0	$(4.3 \pm 0.8)$	88	$\ge$	SPT#3	13/19/29	48			×				
8			, to	grey												
∋c 10		hum	4.0.0		67	$\sim$	SPT#4	22/36/33	69				×			
ŏ ⊢		uhum	+0.+. +0				007#6	42/27/20	07				×			
E GD		mhuu	4 0 0		96	$\sim$	581#5	43/37/30	67							
DRIL	E	Indu	- a + . +a		88	$\ge$	SPT#6	14/20/41	61				×			
RIC.	10	1120.0 -	<u>م</u> ور م	FLUVIAL												
MET	-	muh		(9.8 to 11.6) Gravelly SAND, poorly-graded, sub-angular	75	~	SPT#7	46/50+	100						*	
ĽOĠ	-		0.0	- grey, wet	-											
OLE		IIIIII	° 'o 'o	GLACIAL TILL (11.6 to 18.3)												
SILLH	E	dum		Sandy, gravelly SILT, well-graded, sub-angular,	71		SPT#8	50+	100						*	
m m	E	hun														
N.GLI	15-	1115.0 -														
۲, I	E	mhu	a.+													
-IBR/	=	mh	oto A		100	$\ge$	SPT#9	19/26/35	61				×			
			· · · · · ·													
JSE/G	E		4													
RHOL	E	hum	- a + +a • +	(18.3 to 22.3) orangey-brown												
OWER	20-	1110.0 -	o oto 4		92	$\frown$	SPT#10 	18/46/48	94					^		
AD PC	-	mhun	°													
le an	-	mhu	, ot o													
LTSI	E	umh	4 . • • •	(22.3 to 46.9)	100	$\ge$	SPT#11	15/27/44	71				×			
PLA				grey												
SAT			4.0_													
TION.	25-	1105.0 -				_	007/10	15/50	100							
TIGA	-	nhum	4. .4.		88		SP1#12	15/50+	100							
NES		mhui														
CH		mhu	4. .4.													
EOTE		mh	40.0-		100	>	SPT#13	19/50+	100						*	
TA/G	=		4.0.0													
A/DA	WEL	L INST		TION SYMBOLS: SAMPLE SYME	<u>30L:</u>					Terra	ne Me	etals	Corp.			
41/03		BENTONITE	CE N		SPLITSP	OON				NIT. N Detai	viiliga Is Foi	in Pro r KP(	oject 08-05			
1/001	<b></b>				2		L	nial	4	Di	600	11	Proje	ct No.	Ref. No	D. Rev.
1:\1\0		SAND			SHELBY	TUBE	Λ	nigi		SU	50	NG	VA101	KP08	-05	U
Σ	••••		1003						0 N	SU	LTI	NG		KP08	-05	

	Ρ	roje	ct:	Mt. Milligan Project		D	rill Hole	e No.	KP	08-05	PAGE	2 of	2
		Drilling	Co:	Geotech Drilling Ltd.		I	n Situ Sa	mpler:	SPT sj	olit spoon	Date Started:	Aug 12	, 08
D	rillir	ng Met	hod:	Odex			Ele	vation:	11	30 m Dat	e Completed:	Aug 14	, 08
		Loca	ition:	70 km north of Fort St James			Total	Depth:	40	6.9 m	Logged by:	CG	
	С	oordina	ates:	434,959 N , 6,107,746 E		<u>Azi</u> m	uth","Incl	ination	0	, -90	Reviewed by:	BB	
		(m) NC	: LOG		۲۲ (%)		Ö	DUNT/	/TUE/	FIELD VANE Remould	SHEAR STRE           (▲)         Peak (△)           DATA 'N' VAL		RUMENT
		ATI(	HE		PLE VE	PLE,	LE P	v v ⊗	>  z~	Uncorrected (	(×) Correct	ed (□)	INST
	ī	LE/	BRA	DESCRIPTION OF MATERIALS	SAM	SAM	MAR	3LOV	SPT '				
-	-		,		0.1	0,	0)			20 40	5 60	80 \$	5
	111111111111111				100	X	SPT#14	15/50+	100			*	
35	milin	095.0			100	$\times$	SPT#15	11/31/40	) 71		×		
40	<u> </u>	090.0			100	~	SPT#16	28/50+	100			*	
					100	$\times$	SPT#17	23/48/50	+ 100			*	
	mijiiii	085.0 -			100		SPT#18	50+	100			*	
		080.0		SAND (46.9 to 47.3) Silty SAND with gravel, well-graded, brown, saturated End of Drillhole: 46.9 m	100	×	SPT#19	56/50+	100			*	
		075.0											
	 	L INS	TALLA		<b>BOL:</b>	200N				Terrane Meta Mt. Milligan	als Corp. Project		<u> </u>
					-				1.1		Project	t No. Ref. N	lo. Rev
		SAND			SHELBY	TUBE	K	nıg	nt .	riesol		141/3 1 KP08-05	0
≥ M:\1	\01\	00141\0		AVGEOTECH INVESTIGATIONS AT PLANTSITE AND POWE	RHOUS	E\GIN	T\2008 MT	MILLIGAN F			3	11 00-00	

	F	Proje	ct:	Mt. Milligan Project		D	rill Hole	e No. 🔄	KP	08-0	6		P	AGE	1	of	2
		Drilling	Co:	Geotech Drilling Ltd.		Ir	n Situ Sa	mpler: <u></u>	SPT sp	olit spo	oon	Date	e Sta	rted:	Au	ıg 15,	08
	Drilli	ing Met	nod:	Odex			Elev	vation:	11	22 m	D	ate Co	omple	eted:	Au	ig 16,	08
		Loca	tion:	70 km north of Fort St James			Total I	Depth:	39	).3 m		Lo	oggeo	d by:		CG	
	C	Coordina	ates:	435,070 N , 6,107,678 E		<u>Azi</u> mı	uth","Incli	nation	0	-90		Rev	ieweo	l by:		BB	
		Ē	90		(%)		Ġ	)TN	Ē	FIE	LD VAN Remou	IE SHE	EAR S Peal	TRENC	этн	AENT	AENT
	Ê	NO	Ц С		<b>∑</b>	្ល	N N		ALL	S	PT TES	TDAT	A 'N'	VALUE	S	S (m)	
	Ŧ	VAT	H		PLE 0	IPLE	IPLE	M 0 %)	.z.w	Unco PL	orrected	1 (×) M	Co Co	rrected		EPTH /	/ INS DET#
	Ц Ш		GRA	DESCRIPTION OF MATERIALS	SAN	SAN	SAN	BLC	RM	<u> </u>	20	40	60	80	<u> </u>		VELL
F	=		<u>8 6 8 9</u> 8	ORGANICS												-	-
		- mhuu	4.	(0 to 0.6) Organics, brown, roots		$\sim$	-				,						
		1120.0	, to,	GLACIAL TILL	100	$\bowtie$	SPT#1	12/7/10	17								
		muh	4 0	(0.6 to 3.7) Sandy, gravelly SILT, well-graded, sub-angular,	70	$\ge$	SPT#2	13/23/32	55				×				
	E		0.+	low plasticity, loose, light brown, dry	10			10/20/02									
	E	- The second sec	4 0.+	(3.7 to 12.5)	86	$\ge$	SPT#3	9/25/47	72					×			
8	5-	- The second sec	+0.0 0+0	grey													
10, 0	-	- The second sec	4. +		75	$\ge$	SPT#4	12/21/30	51			×	<				
Dec		1115.0	+0.0 0+0														
GDT,	E	1	4. 		100	$\ge$	SPT#5	10/21/24	45			×					
RILL			+0.0 .0+~									$\sim$					
Б Ú			4. 		54	$\frown$	SPT#6	17/13/24	37			^					
ETR	10-	- Innu	+0.0.			$ \sim$	0.07.17	40/17/00				$\checkmark$					
≣ ປ	E	ահա	4. 		96	$\frown$	SPI#7	13/17/22	39								
ЕCO		1110.0	+0.0														
뢰	E			FLUVIAL													
<b>NRILI</b>			<i>•</i>	(12.5 to 29.9) Gravelly SAND with silt, well-graded,	100	$\ge$	SPT#8	19/46/50+	100						;	*	
Ë E			, u , 0	sub-rounded, grey, moist.													
פׂ פ	15-	hum	, 0.0	WATER AT 25.6 m, INCREASING AT 27.4 m.													
RY	=	n	<u>،</u> ۵۰														
<b>LIBR</b>		1105.0 -	ه ه 0 0		89	$\geq$	SPT#9	11/34/50+	100						>	K	
GINT		mili	». C°														
USE∖			, o. o														
RFO		TITLE I	ۍ م م		80	$\sim$	SPT#10	22/50+	100						;	*	
OWE	20	- Inn	, O. O.														
A ON	E		) 0 0														
TEA		1100.0 -	• ° °														
NTSI	E	- milit	° ° 0 O		67	~	SPT#11	15/50+	100						>	K	
Γ ΡΓΑ	E	1 mil	<u>،</u> ۵°														
NS A	25		, o o														
ATIO	20-	- Innin	•ی م ر		02	~	CDT#12	50/50+	100							*	
STIG/	=	- dum	, O. O , A		35		561#12	30/301	100								
NVE;		1095.0 –	) o _ o _														
E E E	E	mhu	, , , , , , , ,														
EOTI		muhi	, o . O		71	~~	SPT#13	32/50+	100							*	
TA/G	-		• C														
A/DA	WEL	<u>_L INST</u>		SAMPLE SYMI	BOL:					Terra	ne Me	etals	Cor	p.			
41/03		BENTONITE	с р		SPLITSP	OON				NIT. N Detai	viiliga Is Foi	n Pro r KP	ojec 08-0	ι 6			
1/001	<b></b>				2		$\boldsymbol{\nu}$	min	4	D:	600	11	P	roject N	0.	Ref. No	. Rev.
1:/1/0		SAND	63,		SHELBY	TUBE	Λ	nıgi			SU	NG		<u></u>	KP08	-06	U

	F	Proje	ct:	Mt. Milligan Project		D	rill Hol	e No	KP	08-06	PAGE	2 of	2
		Drilling	Co:	Geotech Drilling Ltd.		II	n Situ Sa	mpler:	SPT sp	olit spoon	Date Started:	Aug 15	i, 08
1	Drilli	ng Met	hod:	Odex			Ele	vation:	11	22 m Date	Completed:	Aug 16	6, 08
		Loca	ition:	70 km north of Fort St James			Total	Depth:	39	9.3 m	Logged by:	CG	i
L	C	Coordina	ates:	_435,070 N,_6,107,678 E		<u>Azi</u> mi	uth","Incl	ination _	0	<mark>, -90</mark> F	Reviewed by:	BB	
	<u>و</u>	m) NO	CLOG		RY (%)	ő	Ö	DUNT/	ALUE/	FIELD VANE S Remould ( SPT TEST D	HEAR STRENG ▲) Peak (△) ATA 'N' VALUE	STH	RUMENT
	TH	VATI	APHIC		APLE	APLE	APLE	0 (%)	N. V.	Uncorrected (>	() Corrected		/ INST DETAI
		ELE	GR	DESCRIPTION OF MATERIALS	SAN	SAN	SAN	BLG	SPT RN	20 40	60 80		MELL
Γ			• 0. • 0.	SAND AND GRAVEL (29.9 to 31.4)									
		1000 0	0.0 4	SAND and GRAVEL, saturated	100		SPT#14	50+	100			*	
		1090.0	α.+. +	(31.4 to 38.7) Gravelly SAND with silt well-graded									
			4.01.01	sub-angular, low plasticity, grey, moist									
			, ta , ta , ota		75		SPT#15	50+	100			×	
80			4. • • +		10			301					
ec 10,			+0.0- 0.0+0										
- -		1085.0 -											
ILL.G		_	0.04°										
Ϋ́́Ω		-		FLUVIAL (38.7 to 39.3)	100	~	SPT#16	50+	100			*	
	+0			SAND and GRAVEL, trace silt, poorly-graded, sub-angular, saturated									
≥ او		-		End of Drillhole: 39.3 m									
JLE L		1080.0 -											
		-											
B, DR	111	-											
M.GLI	15-	-											
AKY		-											
		1075.0 -											
NGIN I		-											
		-											
ERH F	50-	_											
		-											
E AN		1070.0 -											
		_											
PLAI	=	_											
NS A	55-												
		1065 0 -											
N H													
OIEC													
A/GE	-												
	NEL	L INS		TION SYMBOLS: SAMPLE SYMI	30L:					Terrane Meta	ls Corp.		
41/03/		BENTONITE	, A		SPLITSP	OON				Mt. Milligan Details For	Project (P08-06		
1001					1		k	nia	ht	Piósal	Project N VA101-141	o. Ref. 1 1/3 1	No. Rev.
) /:  -  -		SAND	<b>I</b> SS <sup>SI</sup>		SHELBY	TUBE		ing	CON	SULTIN	G	KP08-06	

	P	roje	ct:	Mt. Milligan Project		D	rill Hole	No.	KP	08-07	PAGE	1	of	1
		Drilling	Co:	Geotech Drilling Ltd.		Ir	n Situ Sa	mpler:	SPT sp	olit spoon	Date Started:	Aug	<u>j 16,</u>	08
	Drilli	ng Meth	nod:	Odex			Elev	vation:	11	<u>15 m</u> Da	te Completed:	Aug	<u>, 17,</u>	08
		Locat	tion:	70 km north of Fort St James			Total I	Depth:	30	).2 m	Logged by:		CG	
	C	oordina	ites:	435,194 N , 6,107,602 E		<u>Azi</u> mu	uth","Incli	nation	0	, -90	Reviewed by:		BB	
		E F	0 <u>0</u>		(%)		Ġ	INT/	ÚE/	FIELD VANE Remould	SHEAR STRE i(▲) Peak (△)	NGTH	MENT	MENT
	Ē				ш В	ES	Ž	ဝဝ	VAL	SPT TEST		UES	STRUI HS (n	STRU AILS
	PTH	-A'=	APH		MPL	MPL	MPL	NO O	N. N.	PL	MC		L/INS	L / IN Det
		EL	GR	DESCRIPTION OF MATERIALS	SA	SA	SAI	BL	R	20 4	10 60	80	MEL	MEL
				ORGANICS										
	Ì	իլլյու		Dark brown organic silt , roots, moss	100	$\ge$	SPT#1	12/14/50+	100			*		
		- thurn	 	GLACIAL TILL (1 2 to 5.2)										
		miliun	ото 	Sandy, gravelly SILT, trace cobbles, well-graded,	100	$\ge$	SPT#2	17/28/33	61		×			
		un and and and and and and and and and an	· · · · ·	Sub-rounded, non-plastic, light brown, dry										
	5	110.0	° 0+0 40		100	$\geq$	SPT#3	15/22/50+	100					
80		n n n	4.0_0	(5 2 to 15 2)	100		SPT#4	50+	100			<b>*</b>	:	
ic 10,		.mfhm	, ta	grey, moist	100				100					
, De		إيست	ە <sup>ب</sup> م		100		SPT#5	50+	100			*		
GD		بلسيس	, ta											
JRILI		, all and a second s	ە <sup>تە</sup> 4 م		100		SPT#6	50+	100					
ມ1 Ω1	비	105.0	, ta										.	
METF		ريسليب	ە <sup>تە</sup> 1		100	$\geq$	SPT#7	29/43/50+	100					
00		يسياس	, ta,											
TEL	Ī	ւրյան	, оң <sub>о</sub> 1											
LLHC	I	1 1 1 1 1 1	a+ +a •		100	$\simeq$	SPT#8	38/50+	100			*		
DR		Į	4.0											
1 OFB	5-11	100.0	, <del>9 , 0</del>	FLUVIAL	-									
Σ		, internet	». کې کې	(15.2 to 22.9) Crovelly SAND trace silt poorly-graded			0.07#0		100					
3RAR			0 0 N	sub-rounded, non-plastic, brownish-grey,	U		5P1#9	+UC	100					
		under		wet-saturated.										
E/GIN		ųmlii	ب بر د ن	WATER AT 15.2 m.	63		SPT#10	20/50+	100					
SNO! 2	j To	1095.0	0.0											
	Ĩ		<u>،</u> ۵۰											
POV		Lunnu	о. 0 О. О.		87	><	SPT#11	36/50+	100			*	,	
AND			، 0 ، ، ، ،											
SITE		, the second sec	4	GLACIAL TILL	1									
LANT		արիտ	0.+ +a. 0-	(22.9 to 29) Gravelly SAND and SILT, well-graded,										
d ⊥A 2	:5-1	090.0	े <del>ल</del> ु.	sub-rounded, medium plasticity, grey, moist	100		SPT#12	45/50+	100					
ONS			0 + +0 0-											
GATI			े <del>!</del>											
ESTI			a+. +a		100		SPT#13	50+	100			*		
N		http	4											
IEC		- The second sec	$\dot{\mathbf{v}}$	SAND AND GRAVEL	1									
0 <u>9</u> 0/3	0-1	085.0	<u>,</u>	(29  to  30.2) SAND and GRAVEL, trace cobbles and silt $/$	33		SPT#14	50+	100			*		
	VEL	L INST	ALLA	TION SYMBOLS 30.2 m SAMPLE SYM	BOL:		<u> </u>			Torrano Mot				
13/A/I		BENTONITE	С. С			POON				Mt. Milligar	n Project			
141/(	7777					001				Details For	KP08-07			
01/00		SAND	500 s		SHELBY	TURE	K	nig	ht	Piésol	VA101-	t No. F 141/3	Ref. No.	). Rev. 0
5		SAND	60		SHEEDI	TOBE			ON	SULTIN	G	KP08-0	)7	

Defining Cost       Genetics holling Ltd.       In Site Same)       Date Stratic:       Aug 17, 08.         Defining Cost       Odex       Total Depit:       1128 m       Date Stratic:       Aug 19, 08.         Coordinate:       436,037 M.       6,107,645 E       Augrinut: Tincination       0,90       Reviewod by:       DB         Coordinate:       436,037 M.       6,107,645 E       Augrinut: Tincination       0,90       Reviewod by:       DB         Coordinate:       436,037 M.       6,107,645 E       Augrinut: Tincination       0,90       Reviewod by:       DB         Coordinate:       436,037 M.       6,107,645 E       Augrinut: Tincination       0,90       Reviewod by:       DB         Coordinate:       436,037 M.       6,107,645 E       Augrinut: Tincination       0,90       Reviewod by:       DB         Description       DESCRIPTION OF MATERIALS       Sig 28       Sig 28 <td< th=""><th>ſ</th><th>F</th><th>Proje</th><th>ct:</th><th>Mt. Milligan Project</th><th></th><th>D</th><th>rill Hole</th><th>• No</th><th>KP</th><th>08-08</th><th></th><th>PAGE</th><th>1</th><th>of</th><th>2</th></td<>	ſ	F	Proje	ct:	Mt. Milligan Project		D	rill Hole	• No	KP	08-08		PAGE	1	of	2
Difference       Elevator:       1125 m.       Date Complexity:       Aug 19,08.         Coordinates:       435,037 N., 6,107,543 E       Asimuth' findination       000       Restaued by:       B8         Image: Specific of Part Stames       1125 m.       000       Restaued by:       B8         Image: Specific of Part Stames       1125 m.       000       Restaued by:       B8         Image: Specific of Part Stames       1125 m.       000       Restaued by:       B8         Image: Specific of Part Stames       1125 m.       100 m.       100 m.       Restaued by:       B8         Image: Specific of Part Stames       1125 m.       100 m.			Drilling	Co:	Geotech Drilling Ltd.		li	n Situ Sa	mpler:	SPT sp	olit spoo	on Date	Started:	Au	ı <b>g 17</b> ,	08
Location       70 km each of Fort SLames       Total Depth:       9.3 m       Loges by:       CG         Concentration       9.40       Revevent by       BB       Revevent by       BB         Second and the standard of the s		Drilli	ng Meth	nod:	Odex			Elev	vation:	11	25 m	Date Co	mpleted:	Au	ıg 19,	08
Continues:       455.037 N.       6,407.643 E       Currently "Inclination       090       Reverse by market       DB         Image: Second			Locat	ion:	70 km north of Fort St James			Total I	Depth:	39	9.3 m	Lo	ogged by:		CG	
State       SPT#2       SPT#2 <thspt#2< th=""> <thspt#2< th=""> <ths< td=""><td></td><td>C</td><td>Coordina</td><td>ites:</td><td>435,037 N , 6,107,543 E</td><td></td><td><u>Azi</u>mi</td><td>uth","Incli</td><td>nation _</td><td>0</td><td>, -90</td><td> Rev</td><td>ewed by:</td><td></td><td>BB</td><td></td></ths<></thspt#2<></thspt#2<>		C	Coordina	ites:	435,037 N , 6,107,543 E		<u>Azi</u> mi	uth","Incli	nation _	0	, -90	Rev	ewed by:		BB	
0       0			Ē	g		(%)	,	, dia	Ĭ	Ш	FIELI	D VANE SHE Remould ( )	AR STREN Peak (△)	GTH	IENT	AENT
Image: Section of the section of th		Ê	NO	с Г С			្ល	N N	no.	ALL	SP	T TEST DAT	A 'N' VALUI	ES	s (m)	ILS
B       B       B       DESCRIPTION OF MATERIALS       B       B       B       D <thd< th="">       D       D       D<td></td><td>Ŧ</td><td>VAT</td><td>HH</td><td></td><td>PLE N</td><td>Ы</td><td>LE LE</td><td>N C</td><td>,z w</td><td>Uncor Pl</td><td>rected (×)</td><td>Corrected</td><td>d (□) II</td><td>EPTH.</td><td>/ INS</td></thd<>		Ŧ	VAT	HH		PLE N	Ы	LE LE	N C	,z w	Uncor Pl	rected (×)	Corrected	d (□) II	EPTH.	/ INS
0       0		E		GR⊿	DESCRIPTION OF MATERIALS	SAN	SAN	SAN	BLO	SPT RM	·	•	60 9	<u> </u>		VELL
1       100.00       100.00       X         0       CLACAL TILL       100       SPT#2       2830457       87         100       SPT#2       2830457       87       X       X         100       SPT#2       2830457       87       X       X         100       SPT#2       2830457       87       X       X         100       SPT#3       32/4650+       100       X       X         100       SPT#3       32/4650+       100       X       X         100       SPT#4       102/1/2       53       X       X       X         100       SPT#5       20/4650+       100       X       X       X         100       SPT#6       39/50+       100       X       X       X         100       SPT#6       39/50+       100       X       X       X         100       SPT#6       39/50+       100       X       X       X         1100       X       14/3/0       18/30       20       100       X       X         100       SPT#7       40/50+       100       X       X       X         100       SP	ł	-			ORGANICS						20	<u> </u>		0	>	
3       3       CLACHA THL (05 to 53) Sandy, gravely SLT, trace oubbies and boulders, with space oubbies and plasticly, trown, dry       17       SPTR1       100/21/18       39       X         5       12000       4       9       100       SPTR2       28/3057       67       X         100       SPTR3       32/4050+       100       SPTR3       32/4050+       100       X         100       SPTR3       32/4050+       100       SPTR3       32/4050+       100       X         100       SPTR3       32/4050+       100       SPTR3       32/4050+       100       X         100       SPTR5       20/4650+       100       SPTR5       39/50+       100       X         1150       +       (0.8 to 14.3)       (0.9 to 10.3)       (0.9 to 10.3)       X       X         1150       +       (1.4 to 10.4 to 10.3)       (0.9 to 10.3 to 10.3)       (0.9 to 10.3)       X       X         1150       +       (1.4 to 10.4 to 10.3 to 10.3)       (0.9 to 20.3 to 10.3 to 1			mhuu	4.0	(0 to 0.6) Topsoil, brown, grass, roots, dry	]						<b>_</b>				
1       100       SPTe2       283057       97       100       ×         5       100       SPTe2       283057       97       100       ×       ×         100       SPTe3       324650+       100       ×       ×       ×       ×         100       SPTe3       204650+       100       ×       ×       ×       ×         100       SPTe5       204650+       100       ×       ×       ×       ×         115       100       SPTe6       3850+       100       ×       ×       ×         100       SPTe7       4050+       100       ×       ×       ×       ×         115       110       SPTe7       4050+       100       ×       ×       ×         100       SPTe7       2950+       100       ×       ×       ×       ×         100 <td></td> <td></td> <td>լույր</td> <td>, to,</td> <td>GLACIAL TILL</td> <td>71</td> <td><math>\frown</math></td> <td>SPT#1</td> <td>10/21/18</td> <td>39</td> <td></td> <td>Â</td> <td></td> <td></td> <td></td> <td></td>			լույր	, to,	GLACIAL TILL	71	$\frown$	SPT#1	10/21/18	39		Â				
100       SPT#2       20.005       67         100       SPT#3       324650+       100         100       SPT#3       324650+       100         100       SPT#3       324650+       100         100       SPT#3       324650+       100         100       SPT#3       224650+       100         101       115.00       116.00       X         101       115.00       116.00       X         102       SPT#6       3850+       100         103       SPT#6       3850+       100         104       SPT#6       3850+       100         105       SPT#6       3850+       100         105       SPT#6       3850+       100         106       SPT#6       3850+       100         107       Setting reacting reactin			tumh tu	4.0.0	(0.6 to 9.8) Sandy, gravelly SILT, trace cobbles and	100		007#0	00/00/57	07				×		
5       1200       100       SPT#3       324650+       100       X         5       1200       100       SPT#4       1021/32       53       X       X         100       1150       100       SPT#4       1021/32       53       X       X         100       100       SPT#5       204650+       100       X       X         100       SPT#6       3850+       100       X       X         101       100       SPT#6       3850+       100       X         101       100       SPT#7       4060+       100       X         101       100       SPT#7       4060+       100       X         101       100       SPT#7       4060+       100       X         102       SPT#7       4060+       100       X       X         103       SPT#7       4060+       100       X       X         104       104       SPT#7       4060+       100       X         105       104       100       SPT#7       4060+       100       X         105       SPT#7       2950+       100       X       X         1			1 million		boulders, well-graded, sub-angular, low-medium	100	$ \sim$	5P1#2	28/30/57	87						
5-312200       63       SPT#4       1021/32       53       ×       ×         10-31150       (98 to 14.3)       (97       SPT#5       20/46/50+       100       ×         10-31150       (98 to 14.3)       (98 to 14.3)       (97       SPT#5       20/46/50+       100       ×         10-31150       (14.204.170.1       (14.3 to 16.8)		=	hum	4.0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-		100	$\ge$	SPT#3	32/46/50+	- 100				)	k	
33       S SPT#4       102/132       53       ×       ×         10-11520       (9.8 to 14.3) gey       (9.8 to 14.3) gey       (9.8 to 14.3) gey       100       S SPT#5       20/40/50+       100       ×         100       S SPT#6       38/50+       100       ×       100       S SPT#6       38/50+       100       ×         100       S SPT#6       38/50+       100       ×       ×       ×       ×       ×         100       S SPT#6       38/50+       100       ×       ×       ×       ×       ×       ×         100       S SPT#7       40/50+       100       ×		5-	1120.0	a.+ +a.•-												
80       00       100       SPT#5       20/46/50+       100       X         91       00       SPT#6       36/50+       100       X       X         91       00       SPT#6       36/50+       100       X       X         91       00       SPT#6       36/50+       100       X       X         91       100       SPT#7       40/50+       100       X       X         91       100       SPT#7       40/50+       100       X       X         91       100       SPT#7       40/50+       100       X       X         92       100       SPT#7       40/50+       100       X       X         92       100       SPT#7       40/50+       100       X       X         92       100       SPT#7       33/50+       100       X       X         92       100       SPT#7       28/50+       100       X       X         92       100       SPT#10       28/50+       100       X       X         92       100       SPT#11       32/50+       100       X       X         92       SPT#11	10, 0		- milum	4. 4.		53	$\ge$	SPT#4	10/21/32	53		2	<			
10       115.0       0       8 to 14.3)         10       SPT#5       20/46/50+       100       X         10       SPT#6       36/50+       100       X         115       1100       GLACIAL TILL       (14.3 to 16.8)       Sandy, grey, woist-well.       100       SPT#6       36/50+       100       X         115       1100       GLACIAL TILL       (14.3 to 16.8)       Sandy, grey, moist-well.       82       SPT#6       33/50+       100       X         115       1100       GLACIAL TILL       (16.3 to 16.2)       GLACIAL TILL       82       SPT#6       33/50+       100       X         115       1100       GLACIAL TILL       (16.3 to 32.2)       Gravely SAD, trace site, poorly-graded, sub-rounded, non-plastic, grey, moist       80       SPT#9       29/50+       100       X         100       SPT#10       28/50+       100       X       X       X       X       X         20       100.0       SPT#10       28/50+       100       X	Dec		, mh	a.+ +a												
87       SPT#5       2046/59+       100       X         90       97       SPT#5       2046/59+       100       X         90       97       SPT#5       2046/59+       100       X         90       97       SPT#6       36/50+       100       X         91       15       1100       SPT#7       40/50+       100       X         91       15       100       SPT#7       40/50+       100       X         92       93/50+       100       SPT#7       29/50+       100       X         92       1050       100       SPT#10       28/50+       100       X         93       100       SPT#11       32/50+       100       X       X         94       100       SPT#11       32/50+       100       X       X         95       SPT#11       32/50+       100       X       X <td>GDT,</td> <td></td> <td>n n n</td> <td>, ot ,</td> <td></td>	GDT,		n n n	, ot ,												
10-31150       (9.8 to 14.3)         10-31150       (9.8 to 14.3)         grey       100         100       SPT#5         205       SPT#6         36       SPT#7         40/50+       100         100       SPT#7         40/50+       100         100       SPT#7         100       SPT#8         20       GLACIAL TILL (16 to 23.2) Gravely SAND, trace sit, poorly-graded, sub-rounded, non-plastic, grey, moist         100       SPT#1         20:50+       100         20:50+       100         20:50+       100         20:50+       100         20:50+       100         20:50+       100         20:50+       100         20:50+       100         20:50+       100	SILL.(		il i	a++.												
10       115       1100       SPT#6       36/50+       100       X         115       1100       SPT#6       36/50+       100       X         115       1100       Sandy gravely SiLT, well-graded, sub-angular, medium plasticity, dense, grey, moist wet.       82       SPT#6       36/50+       100       X         100       Sertigravely SiLT, well-graded, sub-angular, medium plasticity, dense, grey, moist wet.       82       SPT#6       33/50+       100       X         100       GLACIAL TILL (16.3 to 23.2) Gravely SALD; trace silt, poorly-graded, sub-congular, medium plasticity, dense, grey, moist       80       SPT#9       29/50+       100       X         100       SPT#10       28/50+       100       X       4 <td>Б С</td> <td></td> <td>لبييس</td> <td>* oto *</td> <td></td> <td>67</td> <td></td> <td>SPT#5</td> <td>20/46/50+</td> <td>  100</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Б С		لبييس	* oto *		67		SPT#5	20/46/50+	100						
100       SPT#0       30:00*       100         100       SPT#7       40:50+       100         100       SPT#8       33:50+       100         100       SPT#9       29:50+       100         100       SPT#10       28:50+       100         100       SPT#11       32:50+       100         100	ETRIC	10-	1115.0	4. 	(0.8  to  14.3)	100	$\times$	SDT#6	26/50+	100					k	
100       SPT#7       40/50+       100       ×         115       1100       GLACIAL TILL ('4.3 to 16.8) Sandy, gravelly SUT, well-graded, sub-engular, medium plasticity, dense, grey, moist-wet.       82       SPT#8       33/50+       100       ×         100       SPT#7       40/50+       100       ×       ×       ×       ×         100       SPT#7       40/50+       100       ×       ×       ×       ×         100       SPT#7       40/50+       100       ×       ×       ×       ×         100       SPT#8       33/50+       100       ×       ×       ×       ×         100       SPT#9       29/50+       100       ×       ×       ×       ×         102       Sadry SIL       Trace gravel, well-graded, sub-orunded, medium plasticity, dense, dark       95       SPT#11       32/50+       100       ×         100 <td< td=""><td>⊒ ت</td><td></td><td>- Infin</td><td>;+0;-,</td><td>grey</td><td>100</td><td></td><td>351#0</td><td>30/30+</td><td>100</td><td></td><td></td><td></td><td></td><td>ľ</td><td></td></td<>	⊒ ت		- Infin	;+0;-,	grey	100		351#0	30/30+	100					ľ	
100       SPT#7       40/60+       100       ×         115       1100       V       (I.4.3 to 16.8) Sandy gravelly SULT, well-graded, sub-angular, medium plasticity, dense, grey, moist-wet.       82       SPT#8       33/50+       100       ×         20       1105.0       V/ATERAT 15.2 m.       82       SPT#8       33/50+       100       ×         20       1105.0       V/ATERAT 15.2 m.       82       SPT#9       29/50+       100       ×         20       1105.0       V       GLACIAL TILL (23.2 to 22.)       Gravelly SAND, trace silt, poorly-graded, sub-rounded, non-plastic, grey, moist       80       SPT#9       29/50+       100       ×         25       1100.0       V       GLACIAL TILL (23.2 to 32)       100       SPT#10       28/60+       100       ×         25       1100.0       V       GLACIAL TILL (23.2 to 32)       Software, dark grey, moist       95       SPT#11       32/50+       100       ×         25       1100.0       V       GLACIAL TILL (23.2 to 32)       Software, dark grey, moist       95       SPT#11       32/50+       100       ×         26       Software, grey, moist       95       SPT#12       50+       100       ×        ×      <	Р		tuntu tuntu	4.0 10												
105       1100       SPT#7       40/50+       100       X         115       11100       Sandy gravely SLT, well-graded, sub-angular, medium plasticity, dense, grey, moist-wet.       82       SPT#7       40/50+       100       X         20       116.0       GLACIAL TILL (14.3 to 16.8)       WATER AT 15.2 m.       82       SPT#8       33/50+       100       X         20       1106.0       FLUVAL (16.8 to 23.2)       (16.6 to 23.2)       Sandy SLT, trace sitt, poorly-graded, sub-rounded, non-plastic, grey, moist       80       SPT#9       29/50+       100       X         20       1106.0       GLACIAL TILL (15.8 to 23.2)       100       SPT#70       28/50+       100       X         20       1106.0       GLACIAL TILL (23.2 to 32)       Sandy SLT, trace gravel, well-graded, sub-rounded, medium plasticity, dense, dark       95       SPT#10       28/50+       100       X         25       100.0       SPT#11       32/50+       100       X       X       X         26       SPT#11       32/50+       100       X       X       X       X         25       100.0       SPT#12       50+       100       X       X       X         26       SPT#12       50+       100	ЫЧ		րույր	a.+. +a. •.												
15       1100       SLACIAL TILL (14.3 to 16.8) Sandy Gravelly SLT, well-graded, sub-angular, medium plasticity, dense, grey, moist-wet.       82       SPT#8       33/50+       100       X         100       VATER AT 152 m. FULVAL (16.8 to 23.2) Gravelly SAND, trace sit, poorly-graded, sub-rounded, non-plastic, grey, moist       82       SPT#8       33/50+       100       X         100       SpT#9       29/50+       100       X       X       X       X         100       SPT#8       33/50+       100       X       X       X       X         100       SPT#9       29/50+       100       X       X       X       X         100       SPT#10       28/50+       100       X       X       X       X       X         285       100.0       SPT#10       28/50+       100       X       X       X       X       X         285       100.0       Setting and the state of the s	RILL	-	TINIII	4. 		100	~	SPT#7	40/50+	100				;	k	
15-1110.0       ***       Sandy gravely SLT, well-graded, sub-angular, medium plasticity, dense, grey, moist-wet.       82       SPT#8       33/50+       100       ×<	ш		իստ	0.+ .4	GLACIAL TILL	-										
WATER AT 15.2 m.       82       SPT#8       33/50+       100       X         FLUVIAL       (6.8 to 23.2)       Gravely SAND, trace silt, poorly-graded, sub-rounded, non-plastic, grey, moist       80       SPT#9       29/50+       100       X         20-1105.0       GLACIAL TILL       (23.2 to 32)       Samedium plasticity, dense, dark       95       SPT#10       28/50+       100       X         22-1105.0       GLACIAL TILL       (23.2 to 32)       Samedium plasticity, dense, dark       95       SPT#11       32/50+       100       X         25-1100.0       GLACIAL TILL       Samedium plasticity, dense, dark       95       SPT#11       32/50+       100       X         25-1100.0       GLACIAL TILL       Samedium plasticity, dense, dark       95       SPT#11       32/50+       100       X         96       SPT#12       50+       100       X       X       X       X         97       SPT#2       50+       100       X       X       X       X         98       SPT#12       50+       100       X       X       X       X         98       SPT#12       50+       100       X       X       X       X       X	Β.Π	15-	1110.0	0.4 4	(14.3 to 16.8) Sandy, gravelly SILT, well-graded, sub-angular											
WATER AT 15.2 m.       B2       SPT#8       33/50+       100         FLUVIAL       FLUVIAL       FLUVIAL       FLUVIAL       FLUVIAL         GLACIAL TILL       GLACIAL TILL       80       SPT#9       29/50+       100       X         105.0       GLACIAL TILL       (23.2 to 32)       Sample Symbol       100       SPT#10       28/50+       100       X         25-100.0       Symbol       Sub-rounded, medium plasticity, dense, dark       95       SPT#11       32/50+       100       X         VELL INSTALLATION SYMBOLS:       SAMPLE SYMBOL:       Terrane Metals Corp.       Mt. Milligan Project         Motion       Sample Sympox       Secure       Secure       Secure       Secure       Secure         Motion       Secure       Sample Sympox       Secure       Secure       Secure       Secure       Secure       Secure         Motion       Secure       Sample Symbol:       Secure	ARY.	-	- The second sec	0.0 <del>1</del> 0	medium plasticity, dense, grey, moist-wet.											
20       1105.0       FLUVAL (16.8 to 23.2) Gravelly SAND, trace silt, poorly-graded, sub-rounded, non-plastic, grey, moist       80       SPT#9       29/50+       100       X         20       1105.0       GLACIAL TILL (23.2 to 32) Sandy SLT, trace gravel, well-graded, sub-rounded, medium plasticity, dense, dark grey, moist       100       SPT#10       28/50+       100       X         95       SPT#11       32/50+       100       X       X       X         95       SPT#12       50+       100       X       X       X         95       SPT#12       50+       100       X       X       X         96       SPT#12       50+       100       X       X       X         96       SPT#12       50+       100       X       X       X         97       SPT#12       50+       100       X       X       X         98       SPT#12       50+       100       X       X       X         98       SPT#12       50+       100       X       X       X         99       SPT#12       50+       100       X       X       X         99       SPT#12       50+       100       X       X       X	LIBR		- milin	ن ب	\WATER AT 15.2 m.	82	> <	SPT#8	33/50+	100				;	K	
20       105.0       Gravely SAND, trace silt, poorly-graded, sub-rounded, non-plastic, grey, moist       80       SPT#9       29/50+       100       X         20       105.0       GLACIAL TILL (23.2 to 32) Sandy SLT, trace gravel, well-graded, sub-rounded, medium plasticity, dense, dark grey, moist       100       SPT#10       28/50+       100       X         95       SPT#11       32/50+       100       X       X       X       X         95       SPT#11       32/50+       100       X       X       X       X         95       SPT#12       50+       100       X       X       X       X         100       SPT#12       50+       100       X       X       X       X       X         100       SPT#11       32/50+       100       X	LN10		ninh	ی ہ م	<b>FLUVIAL</b> (16.8 to 23.2)											
20-105.0       Image: Sub-rounded, non-plastic, grey, moist       80       SPT#9       29/50+       100       X         105.0       Image: Sector Conduction	JSE/		TITIT	, O. O	Gravelly SAND, trace silt, poorly-graded,											
20-1105.0       GLACIAL TILL (23.2 to 32) Sandy SLT, trace gravel, well-graded, sub-rounded, medium plasticity, dense, dark grey, moist       100       SPT#10       28/50+       100       ×         25-1100.0       GLACIAL TILL (23.2 to 32) Sandy SLT, trace gravel, well-graded, sub-rounded, medium plasticity, dense, dark grey, moist       95       SPT#11       32/50+       100       ×         95       SPT#11       32/50+       100       ×       ×       ×       ×         96       SPT#11       32/50+       100       ×       ×       ×       ×         96       SPT#12       50+       100       ×       ×       ×       ×         97       Setting Caller       Setting Caller       Setting Caller       Setting Caller       Terrane Metals Corp. Mt. Milligan Project Details For KP08-08       Project No. Xaller Atria       Ref. No. Xaller Atria         98       Socord       Setting Ref. No. Xaller Atria       Setting Setting Caller       Fride: No. Xaller Atria       Project No. Xaller Atria       Ref. No. Xaller Atria       Setting Caller	RHO		iiinii	ن م	sub-rounded, non-plastic, grey, moist	80	$\sim$	SPT#9	29/50+	100				)	k	
Image: Constraint of the set of the	<b>BWC</b>	20-	1105.0	بہ جار					20.00							
Image: Construct of the set of the	A D N	-	mhuu	0.0												
Image: Second of the second	TE AI	-	mhu	۰ <i>۵</i> °												
GLACIAL TILL (23.2 to 32) Sandy SILT, trace gravel, well-graded, sub-rounded, medium plasticity, dense, dark grey, moist       95       SPT#11       32/50+       100       X       X       X         25-1100.0       Sandy SILT, trace gravel, well-graded, sub-rounded, medium plasticity, dense, dark grey, moist       95       SPT#11       32/50+       100       X <td< td=""><td>NTSI</td><td></td><td>mili</td><td>, o . O</td><td></td><td>100</td><td><math>\simeq</math></td><td>SPT#10</td><td>28/50+</td><td>100</td><td></td><td></td><td></td><td>;</td><td>*  </td><td></td></td<>	NTSI		mili	, o . O		100	$\simeq$	SPT#10	28/50+	100				;	*	
25-1100.0       Sandy SILT, trace gravel, well-graded, sub-rounded, medium plasticity, dense, dark grey, moist       95       SPT#11       32/50+       100       X       <	PLA	=	mul	+	GLACIAL TILL (23.2 to 32)											
25       100.0       4.4       grey, moist       95       SPT#11       32/50+       100       X         95       SPT#11       32/50+       100       X <t< td=""><td>IS AT</td><td></td><td></td><td>40.0-</td><td>Sandy SLT, trace gravel, well-graded,</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	IS AT			40.0-	Sandy SLT, trace gravel, well-graded,											
95       SP1#11       32/50+       100         95       SP1#11       32/50+       100         96       SP1#11       32/50+       100         96       SP1#11       32/50+       100         96       SP1#11       32/50+       100         97       60       SP1#11       32/50+       100         98       60       SP1#12       50+       100         98       60       SP1#12       50+       100         98       60       SP1#12       50+       100         99       60       SPT#12       50+       100         90       60       SPT#12       50+       100         91       60       SPT#12       50+       100         92       60       SPT#12       50+       100         93       Sectors       Sectors       Sectors       Sectors         94       95       Sectors       Sectors       Sectors	NOF.	25-	1100.0	4. 	grey, moist											
BENTONTE       SAMPLE SYMBOL:         MULL INSTALLATION SYMBOLS:	TIGA	-	որու	;+a,		95		SPI#11	32/50+	100				-		
Image: Section of the section of th	IVES		بسلسب	4.0.0												
60       SPT#12       50+       100       X         WELL INSTALLATION SYMBOLS:       SAMPLE SYMBOL:       Terrane Metals Corp.         Metals For KP08-08       Mt. Milligan Project         Model and	CH D	-	- Indu	; a + ; ;												
WELL INSTALLATION SYMBOLS:       SAMPLE SYMBOL:         Well INSTALLATION SYMBOLS:       SAMPLE SYMBOL:         BENTONTE       GRAVEL         GRAVEL       GROUT         Jauger       SPLITSPON         Maler       SPLITSPON         SAND       GRAVEL         SAND       Riser PIPE         SLOUGH       Image: Riser PIPE         SAND       SSCOUGH	ЩЦ		որոր	4.0.0		60		SPT#12	50+	100				>	k	
WELL INSTALLATION SYMBOLS:       SAMPLE SYMBOL:       Terrane Metals Corp.         Metal INSTALLATION SYMBOLS:       March and	TA/G	=		;+a •												
Milligan Project         Mt. Milligan Project         Details For KP08-08         Mt. Milligan Project         Mt. Milligan Project         Details For KP08-08         Mt. Milligan Project         Mt. Milligan Project         Details For KP08-08         Mt. Milligan Project         Mt. Milligan Project         Details For KP08-08         Mt. Milligan Project         Mt. Milligan Project         Mt. Milligan Project         Details For KP08-08         Knight Piésold         KP08-08	A/DA	WEL	L INST	ALLA	TION SYMBOLS: SAMPLE SYME	<u>30L:</u>					Terran	e Metals	Corp.			
	1/03/		BENTONITE	CF A		SPLITSP	OON				Mt. M	illigan Pro	oject 08-08			
	0014					_		12		1.1	D: /		Project N	No.	Ref. No	o. Rev.
	11/01		SAND			SHELBY	TUBE	K	nıgi	nt .	rie.	sold	VA101-14	1/3	 _08	0

	Pı	roje	ct:	Mt. Milligan Project			D	rill Hole	No.	KP	08-0	8		F	PAGI	E	2	of	2
	D	Drilling	Co:	Geotech Drilling Ltd.			Ir	n Situ Sa	mpler:	SPT s	olit sp	oon	Da	ate St	artec	l:	Au	g 17,	08
Dr	illing	g Met	hod:	Odex				Ele	vation:	11	25 m		Date (	Comp	letec	1:	Au	g 19,	08
		Loca	tion:	70 km north of Fort St Jame	es			Total	Depth:	39	9.3 m			Logge	ed by	/:		CG	
	Co	ordina	ates:	435,037 N , 6,107,543 E			<u>Azi</u> mı	uth","Incli	nation _	0	, -90		Re	eviewe	ed by	/:		BB	
		E T	90			(%)		Ġ	NT/	Ē	FIE	Rem	NE SH ould (▲	HEAR	STRI ak (∆	ENGTH	•	MENT	MENT
E E		õ	ы			∎R Y	ß	ž u		NALI	9		ST DA	TA 'N	I' VAI	LUES	_ \	ts (m	STRU
E		LA V	ЧЧ			ΡŠ	JPL	IPLI	Mage No.		PL	onecte	<u>عم (×)</u> N	NC C	onec		_) _L	EPTH	DET
			GR/	DESCRIPTION OF N	IATERIALS	SAN	SAN	SAN	BLC	SPT RM		20	40	• 6(	<u>ו</u>	80	-		NELL
35	0			FLUVIAL (32 to 39.6) SAND and GRAVEL, trace silt, sub-rounded, grey-brown, wet-	, poorly-graded, saturated	67	X	SPT#13	22/45/50-	+ 100							*		
u, ukiri.uu		huunuhuu		End of Deillipates 20.0		67	~	SPT#15	26/50+	100							×	<	
		0.co																	
45	10	80.0																	
	10	75.0																	
55	10	70.0																	
	ELL ∭⊪		⊂ALLA		SAMPLE SYME	BOL:	OON				Terra Mt. Deta	ane N Millig ils Fo	letals jan P or Kl	s Co roje P08-	rp. ct 08				
						1		K	nia	ht	Pi	ócr	11		Proje	ct No.		Ref. No 1	D. Rev
		ND				SHELBY		2008 MT I								KP	<b>20</b> 8-	08	

ſ	F	Proje	ct:	Mt. Milligan Project		D	rill Hol	e No. 🔄	KP	08-09		PAGE	1 of	2
		Drilling	Co:	Geotech Drilling Ltd.		li	n Situ Sa	mpler: SS	/ cori	ng at 44.5m	Date S	tarted:	Aug 19,	08
	Drill	ing Met	hod:	Odex, Coring			Ele	vation:	11	1 <b>38 m</b> D	ate Com	pleted:	<u>Aug 21,</u>	08
		Loca	tion:	70 km north of Fort St James			Total	Depth:	46	6.5 m	Logg	ed by:	CG	
	C	Coordina	ates:	434,889 N , 6,107,548 E		<u>Azi</u> mi	uth","Incl	ination	0	, -90	Review	ed by:	BB	
		í Ú	ບ ບ		(%)		ġ	LTN /	Ρ	FIELD VAN Remou	E SHEAR Id (▲) Pe	ak (△)	MENT	MENT
	(u	NOL N	L C		<sup>™</sup>	S	ž		ALI	SPT TES		N' VALUES	ts (m l	AILS
	TH		ΗΗ		PL S	APL	APLI	M 0%	N. K	PL	(×) ( MC			DET
	DEF		GR/	DESCRIPTION OF MATERIALS	SAN	SAN	SAN	BLC	RN	20	40 6	<u> </u>		MELL
ł	111			ORGANICS										-
	1111		4. 	(0 to 0.6) Organics, brown, roots										
			-0	GLACIAL TILL	92	ightarrow	SPT#1	8/13/12	25					
	1111	1135.0 -	4 o o	(0.6 to 5.2) Sandy SILT with gravel, well-graded,			00740	0/02/00	54		×			
	111		+0.+. +0.0-	sub-rounded, medium plasticity, compact, brown_dry	96	$\sim$	501#2	9/23/28	51					
	1111		4.0.0	Sioni, al	100	$\ge$	SPT#3	17/34/50+	100				*	
	5-			FLUVIAL	-									
10, 0			è.C.	(5.2 to 6.7)	75	$\geq$	SPT#4	19/42/50+	100				*	
Dec			0 10 4	_Silty SAND and GRAVEL, well-graded,	-									
ĎT,		1130.0	°	GLACIAL TILL	100	~	SPT#5	50+	100				*	
		1150.0	0 0+0 A	Sandy SILT, trace gravel, well-graded, high										
DR D			eoe	plasticity, sub-angular, light brownish-grey, dry	100	$\ge$	SPT#6	13/27/29	56		×			
TRIC	10-													
μ			°. 0.+.		88	$\succeq$	SPT#7	54/48/43	91			×		
Š			, to											
1 0 L E			+ o .o											
		1125.0 -	+a •-		80	$\sim$	SPT#8	28/50+	100				*	
۵ ش			+					20,00						
1.GLE	15-		+a •-											
RY_			4											
IBRA			, to		100	$\sim$	SPT#9	25/50+	100				*	
ΪĻΝ			4. 4.0_0											
E/GI		1120.0	, to											
SUOL	1111		4 o .q											
VER	20-		4		93	~	SPT#10	31/50+	100				×	
PO	1111		40 40											
AND	1111		•+ ••											
SITE			4. 4.		100	~	CDT#11	50+	100				*	
ANT		1115.0 -	•+ •+		100		581#11	50+	100					
AT PI			°											
NS/	25-		°											
BATIC	111		o ot o		100	~	SPT#12	50+	100				*	
STIC	1111				-									
INVE			• • • • • •	(26.5 to 33.5)										
ECH		1110.0 -	, +o, -	boulders, well-graded, sub-rounded, high										
EOT			• * <u>;</u> • ; ; ; ; ; ;	plasticity, light greyish-brown, moist	100	~	SPT#13	42/50+	100				*	
ATA/C	14/		,+o.'0'-											
A/D/	VVE	LL INST	<u>ALLA</u> (জ.জ.		<u>30L:</u> 1					Terrane Me	tals Co	orp.		
41/03		BENTONITE	CE		SPLITSP	OON				Details For	· KP08	-09		
1/001	<b></b>	n			2		L	min	4	Diána	11	Project No.	Ref. N	o. Rev.
1:/1/0		SAND			SHELBY	TUBE	Δ	mgr				<u>vA101-141/3</u> KP(	⊥1_ )8-09	0
21												-	-	



ſ	F	Proje	ct:	Mt. Milligan Project		D	rill Hol	e No.	KP	08-1	0	PAGE _	1 of	2
		Drilling	Co:	Geotech Drilling Ltd.		li	n Situ Sa	mpler:	SPT sp	olit spo	on Date	Started:	Aug 2	2, 08
	Drill	ing Met	nod:	Odex, Open Hole			Ele	vation:	11	23 m	Date Co	mpleted:	Aug 2	3, 08
		Loca	tion:	70 km north of Fort St James			Total	Depth:	38	3.4 m	Lo	ogged by: _	00	3
	C	Coordina	tes:	434,979 N , 6,107,511 E		<u>Azi</u> mi	uth","Incl	ination	0	, -90	Revi	ewed by:	BE	3
ſ		(m)	ЭG		(%)			NT/	E/	FIEI	LD VANE SHE	AR STRENG		IENT
	(E	NO	СГС		R Z	S	2 Z	l no	ALU	S	PT TEST DAT	A 'N' VALUES	Na S	
	TH (	/AT	HI		S PE	PLE	LE	M C	> .z ~	Unco	prrected (×)	Corrected		
	EP.		ŝRA	DESCRIPTION OF MATERIALS	A N N	AM	MA	SQD	RMI		•	, 		
┢				ORGANICS	012	0	0 O				20 40	60 80		3
			4	(0 to 0.6)	1									
	111		το.+		83	$\ge$	SPT#1	11/19/22	41		×			
			o oto	(0.6 to 16.5)										
		1120.0 -		boulders, well-graded, sub-rounded, medium	0		SPI#2	50+	100				Î	
			e to	plasticity, compact, brown, dry										
	5		, + ο α.+		100	$\frown$	SPI#3	49/50+	100				$\uparrow$	
, 08						$ \sim$	1							
ec 10			4.0.1 2.0.+		100	$\bowtie$	SPT#4	12/33/37	70			×		
ŏ ⊢		4	+0.0-		100	$\sim$	ODT#F	22/25/50	100				×	
G		1115.0 -	4. .+		100	$ \frown $	501#5	22/35/50+	100					
JRL		- min	+a •		100		SDT#6	20/30/38	77			×		
Ľ Ú	10_		4.0_1		100		- 3F1#0	29/39/30	11					
<b>AETR</b>					67		SPT#7	50+	100				*	
5		41111	4 o o											
ЧЦ			, +a											
LHO		1110.0 -	, et o											
JRL			το. •		100	~	SPT#8	50+	100				*	
Ë B	111		° •+°											
ຍ ⊻_	15	4	+0. +0.											
ARY	111		oto a											
LIBR		- Indu	, P C	SAND AND GRAVEL	100		SPT#9	50+	100				Ť	
LN15		1105.0	2°C	SAND and GRAVEL, poorly-graded, angular,										
ISE/O		100.0	ب د ۵۰	grey, saturated										
ЧО	111		0 0 0		10		SDT#10	50+	100				*	
WER	20-		• 0•		40		561#10	301	100					
200			, C		01	~	SDT#11	50+	100				*	
AN				(20.7 to 25.9) WATER AT 21.3 m				301	100					
TSIT			о с О											
LAN		1100.0	) o (											
AT P		4			100		SPT#12	50+	100				*	
SNC	25-		, 											
GATI			.60											
ESTIC			°, C	(25.9 to 32)										
N			°0 0	INCREASE IN WATER RECHARGE AT 25.9 m.	100	$\sim$	SPT#13	55/50+	100				*	
ШÜН		1095.0 -	, °C°, <											
ы Ш			, o . O											
ATAIC	14/		، ن ک				<u> </u>							
A/D/			<u>ALLA</u> জেলা		<u>3UL:</u> 1						ne Metals (	Corp.		
41/03		BENTONITE	CE CE		SPLITSP	OON				Detai	Is For KP	лесі 08-10		
1001	·· · ·	1			2		L	min	h+	Di	Flood	Project No.	. Ref.	No. Rev.
:/1/0		SAND	BB SI SI		SHELBY	TUBE	Δ	mg		lle	SUIU	VA101-141/. K	<u>, 1</u> 208-10	<u> </u>
≥L														

ſ	F	Proje	ct:	Mt. Milligan Project		D	rill Hole	e No	KP	08-10	PAGE	2 of	2
		Drilling	Co:	Geotech Drilling Ltd.		li	n Situ Sa	mpler:	SPT sp	olit spoon	Date Started:	Aug 22	2, 08
	Drilli	ing Met	hod:	Odex, Open Hole			Ele	vation:	11	<u>23 m</u> Da	te Completed:	Aug 23	3, 08
		Loca	tion:	70 km north of Fort St James			Total	Depth:	38	8.4 m	Logged by:	CG	i
	C	Coordina	ates:	434,979 N, 6,107,511 E		<u>Azi</u> m	uth","Incl	nation	0	90	Reviewed by:	BB	8
	DEPTH (m)	ELEVATION (m)	<b>GRAPHIC LOG</b>	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLES	SAMPLE NO.	BLOW COUNT/ RQD (%)	SPT 'N' VALUE/ RMR	FIELD VANI Remould SPT TEST Uncorrected PL 20	SHEAR STREM           1 (▲)         Peak (△)           DATA 'N' VALU           (×)         Correcte           MC           40         60		WELL / INSTRUMENT
		1090.0		GLACIAL TILL (32 to 38.4) Sandy, gravely, SII T with day, trace exhluse	63		SPT#14	43/50+	100			*	
c 10, U8	35			and boulders, well-graded, sub-rounded, high plasticity, very dense, brownish-grey, dry-moist	100		SP1#15	50+	100			×	
L.GUI, De		1085.0											
UG_METRIC, URII	40		<u>, , , , , , , , , , , , , , , , , , , </u>	(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, brownich grav, do	. 100		. SPT#17	43/44/50+	+ 100				
LB, URILLHULE L		1080.0		End of Drillhole: 38.4 m									
	45	1075 0											
	50												
IUNS AT FLAN ISH	55	1070.0											
A GEULEUN INVESTIGAL		1065.0											
141/03/A/DA	WEI	BENTONITE	ALLA	TION SYMBOLS:     SAMPLE SYME       MENT	SPLITSP	00N				Terrane Me Mt. Milliga Details For	tals Corp. n Project KP08-10		
M:\1\01\00		SAND	SL SL		SHELBY	TUBE	K	nig	ht I	Piésol	d Project VA101-14	No. Ref. <u>41/3 1</u> KP08-10	No. Rev. 0

ſ	F	Proje	ct:	Mt. Milligan Project		D	rill Ho	le No.	KP	08-11			PA	GE	1 c	of	1
		Drilling	Co:	Geotech Drilling Ltd.		I	n Situ S	ampler:	SPT s	olit spo	on	Date	e Start	ed:	Aug	23, (	08
	Drilli	ing Metl	nod:	Odex			E	evation:	11	03 m	Da	te Co	mplet	ed:	Aug	23, (	08
	_	Loca	tion:	70 km north of Fort St James			Tota	I Depth:	18	3.3 m		Lo	ogged	by:		G	
╞			ites:	435,189 N , 6,107,424 E		<u>Azı</u> mı	uth","In	clination _	0	, -90		Revie				B	<u> </u>
	_	u) N	LOG		₹ (%		ġ		LUE/		Remould	d (▲)	Peak			Ê	UMEN
	<u></u>	VTI0	ЭН		ЧЕ К	LES		© (%	IA1	SF Unco	TTEST rected	<b>`DAT/</b> (×)	A 'N' V Cor	<b>ALUES</b> rected (i	」)  STRI	THS (	<b>ISTRI</b>
	Ē	EVA	SAPI		MPI	MPI	MPI	NO Q	N. H	PL		MC	;			ВЕР	E / I
	ö	ш	5	DESCRIPTION OF MATERIALS	S R	s/	SF	В Х	Ϋ́κ	2	0 4	0	60	80			ME
		1 minut		<b>ORGANICS</b> $(0 \text{ to } 0.6)$	-												
			· · · · · ·	ORGANICS, dark brown, wet, silty	75	$\ge$	SPT#	6/11/10	21	2	×						
			* * *	(0.6 to 1.8)													
		1100.0 -		Gravelly SILI and SAND, well-graded, sub-angular/sub-rounded, loose, non-plastic,	100	$\sim$	SPT#	2 61/50+	100						×		
		mhini	4		1		-										
	5		+. .++.		88	$\bowtie$	SPT#	3 30/47/50+	100								
0, 08		mult	* * *	sub-angular, non-plastic, brown, moist	92	$\sim$	SPT#	44/50+	100						*		
Dec 1			• •	GLACIAL TILL	1												
Ë,			* * *	Gravelly SILT and SAND, well-graded,	65	$\ge$	SPT#	5 15/45/54	99						×		
EL.G		1095.0	* *	SAND AND GRAVEL													
DR		- dum	* *	(5.2 to 6.4) Silty SAND and GRAVEL well-graded	75	~	SPT#	6 43/50+	100						*		
TRIC	10	h	* * *	sub-angular, silty parts high plasticity, light				_									
μ		mhu	* *		90		SPI#	60/50+	100								
ΓΟ		mili		(6.4 to 18.3) WATER AT 7.6 m.													
ЧЧ		1090.0	* *														
RILL			* *		100		SPT#	3 50+	100						*		
ĽB,		hum	* *														
Σ.	15-	hunu	+ +														
RAY		nhum	* * * * *		60		о <b>рт</b> #	501	100						×		
NLIBF		Inhun			00		551#	9 50+	100								
/GIN		1085.0 -	• •					_									
OUSE				End of Drillhole: 18.3 m	67		SPI#1	0 50+	100								
ERHO	20-																
POW																	
AND																	
UTE/		4															
ANT		1080.0 -															
AT PL																	
SNS /	25																
GATIC																	
ESTIC																	
NI																	
ШЦ		1075.0 -															
<b>NGEC</b>																	
DATA	WEI	LL INST	ALLA	TION SYMBOLS: SAMPLE SYME	BOL:	I				Terrar	ne Met	ale (	Corn				
03/A/		BENTONITE	CE		SPLITSP	OON				Mt. N	lilligar	n Pro	oject	•			
0141/		1	28							Detail	s For	KPC	<b>)8-11</b>	oiect No		f No	Rev
01/0		SAND	SI SL		SHELBY	TUBE		Knigl	ht.	Pié	sol	d	VA1	01-141/3		1	
Σ	• • •	l	100J						0 N	SUL	TIN	G		KF	08-11 <sup>•</sup>		

	Proje	ect:	Mt. Milligan Project		D	rill Hole	e No	KP	08-12		PAGE	1	of	1
	Drilling	g Co:	Geotech Drilling Ltd.		I	n Situ Sa	mpler:	SPT sp	olit spoon	Date	Started:	Aug	g 24,	08
Dr	lling Me	thod:	Odex			Ele	vation:	11	12 m	Date Cor	mpleted:	Aug	g 24,	08
	Loca	ation:	70 km north of Fort St James			Total	Depth:	28	3.7 m	Lo	gged by:		CG	
	Coordin	ates:	435,073 N , 6,107,472 E		<u>Azi</u> m	uth","Incl	nation _	0	, -90	Revie	wed by:		BB	
	l E	00		8		ġ	NT/	Ē	FIELD V Rem	ANE SHEA	AR STRENG Peak (△)	GTH		MENT
Ē	NO	CL		<b>₩</b>	្ល	ž		ALI	SPT T	EST DATA	N' VALUE	S	IS (m	AILS
E		ΗЧ		<u>و</u> ا		IPLI	Mo %	ž K	PL	(×) MC	Corrected		EPTH	/INS DET/
E E		GRA	DESCRIPTION OF MATERIALS	SAN	SAN	SAN	BLC	RM	20	40	60 80	<u> </u>		NELL
	-		ORGANICS						20	40	00 80	5	>	>
		4.0	(0 to 0.6) Organic silts, topsoil, rounded cobbles, moist						×					
	1110.0	a.+. .+a	with roots, light brown	92	ightarrow	SPT#1	6/9/11	20						
		4 o o	GLACIAL TILL (0.6 to 12.2)	04	$\ge$	SPT#2	27/32/50+	100				*	:	
		a. +. +.	Sandy, gravelly SILT, well-graded, sub-angular,			0								
		, etc.	low plasticity, orangeisn-brown, dry	67	$\geq$	SPT#3	25/50/50+	100				*		
0 0				100	$\geq$	SPT#4	47/50+	100						
Dec	1105.0	50. 50.		05	$\sim$	ODT#5	27/50	100				×		
Ľ		,		95		361#3	37/30+	100						
ILL.G		το. •.+.•.		100		SPT#6	50+	100				+		
He 10-		0.0+0. 4												
TRIC				100	~~	SPT#7	50+	100				*		
Ξ	1100.0	-0-0-												
LOG		р С	FLUVIAL	1										
IOLE		0.0	(12.2 to 15.2) SAND and GRAVEL. poorly-graded.	100		SPT#8	50+	100				*		
			sub-angular, grey, saturated											
15- m		de Ce	ELINIAL	-										
1.GLI			(15.2 to 18.3)											
Z Z	1095.0	$\mathcal{O}$	Gravelly SAND, trace silt, poorly-graded, sub-angular, grey, saturated	100		SPT#9	50+	100						
IBRA		$\mathcal{O}$												
			FLUVIAL											
			SAND with silt, trace gravel, poorly-graded,	100	$\ge$	SPT#10	26/45/50+	100				*	:	
ñoj 20-		* * • •	sub-rounded, non-plastic, grey, wet.	-										
VER			WATER AT 18.3 m.											
D PO	1090.0		(20.4 to 25.3)											
AND		α+ο	Sandy, gravelly SILT, well-graded, sub-rounded, high plasticity, very dense, dark grey, dry	100		SP1#11	50+	100					`	
LSITE			······································											
NY 25-		ι, †. ο												
ATP		•0 •0	FLUVIAL (25.3 to 28.7)	100	$\sim$	SPT#12	29/50+	100				*	:	
ONS	-1085.0-	0 0 0	Sandy GRAVEL, trace silt and clay,											
GATI		\$ C.	saturated											
ESTI		ہ م م		100	~	007#12	40/50	100				×		
N N T			(28.7 to 28.8)	100		551#13	49/30+	100						
01 30-			Sandy, gravelly SILT, well-graded, sub-rounded, high plasticity, very dense, dark grev, dry											
GEC			End of Drillhole: 28.7 m											
<u>w</u>	-  Ell ins	TALLA	TION SYMBOLS: SAMPLE SYMI	BOL:					Torrano "	Motala C	`orn			
				SPLITSP	POON				Mt. Millig	gan Pro	ject			
141 	3								Details F	or KP0	8-12			
	SAND	500		SHELBY TUBE Knight Piésold Project No. VA101-141/3								io. F 1/3	ret. No. 1	o. Rev. 0
ž I 🖸		160)°						ON	SULT	ING	ľ	KP08-'	12	

	F	Proje	ct:	Mt. Milligan Project		D	rill Hole	e No. 🔄	KP	08-13	_	PAGE	1	of	2
		Drilling	Co:	Geotech Drilling Ltd.		I	n Situ Sa	mpler: s	SPT sp	olit spoor	Date	Started:	Au	ig 25,	08
	Drill	ing Met	hod:	Odex			Elev	vation:	11	16 m	_ Date Co	mpleted:	Au	ig 26,	08
		Loca	tion:	70 km north of Fort St James			Total I	Depth:	31	l.7 m	_ Lo	gged by:		CG	
	C	Coordina	ates:	435,014 N , 6,107,448 E		<u>Azi</u> m	uth","Incli	nation	0	, -90	_ Revi	ewed by:		BB	
		(m)	рG		(%)			NT/	E/	FIELD		AR STREM	IGTH	IENT	IENT
	я ш	NOI	C L(			ູ	N N N	INO	ALU	SPT	TEST DAT	A 'N' VALU	IES	s (m	ILS
	TH (	VAT	IHU		PLE 0	<b>PLE</b>	PLE	N C		Uncorre PI	cted (×)	Correcte	ed (□)	HTH	/ INS'
	DEP	ĒLĒ	GRA	DESCRIPTION OF MATERIALS	SAN	SAN	SAM	BLO	SPT RM	· –	40	60 1			VELL
ł				ORGANICS						20	40		50	>	>
		1115.0 -	· + + + +	(0 to 0.6) Silt ORGANICS dark brown roots fibrous	]		SPT#1	50+							
			+ + 	SILT	ľ			501							
				(0.6 to 1.8) Organic SILT with gravel and trace cobbles,	67	$\sim$	SPT#2	21/35/54	89				×		
	1111			well-graded, rounded, high plasticity, light			01 1#2	21/00/04							
		- Inner	*	GLACIAL TILL	90	$\sim$	SPT#3	31/50+	100				>	k	
	5-	hun		(1.8 to 6.1) Sandy, gravelly SILT, well-graded, sub-angular.											
10, 0		1110.0 -		high plasticity, orangeish-brown, dry	100	~	SPT#4	50/50+	100				>	K	
Dec			°. V	(6.1 to 9.1)											
GDT,			° °	SAND and GRAVEL, sub-angular, grey, saturated	0		SPT#5	50+	100					×	
SILL.0	1111		°.0° °.0°											,	
Б		hum	4	GLACIAL TILL	100	$\sim$	SPT#6	50/50+	100						
TRIC	10-	hun	,	(9.1 to 15.2) Silty, gravelly SAND, trace cobbles and	100		<u>ерт</u> #7	50+	100					k	
۳ ۳		1105.0 -	°,°	boulders, well-graded, sub-rounded, medium	100		351#1	50+	100						
Ĕ			2 0 + 0 + 0 + 0	placificity, groy, ary molet											
HOLE			° 0+°												
RILL			****		80	~	SPT#8	50/50+	100				>	k	
с а́		- Inner	oto 4												
M.GL	15-	- Internet	e t	SAND AND GRAVEL	-										
ARY		1100.0 -	° C°	(15.2 to 17.4)											
LIBR		hundi	, O. Q	sub-angular, non-plastic, grey, saturated.	100		SPT#9	50+	100					×	
			+ + + • + + •	WATER AT 15.2 m.											
JSE/O	1111		4.0-	(17.4 to 18)											
R R D L				GLACIAL TILL	100	~	SDT#10	50/50+	100				,	k	
<b>WEF</b>	20	h	4.01 01	(18 to 23.2) Cravelly SILT and SAND (till) well graded	100		5-1#10	30/301	100						
DPD		1095.0 -	, to .	sub-angular, low plasticity, grey, dry											
EAN		- Inde	4.0_0												
ITSI			,		100	~	SPT#11	50/50+	100				>	K	
PLAN				SAND											
SAT				SAND, sub-angular, saturated											
ION	25	4		SAND AND GRAVEL										,	
TIGA	1111	1090.0 –		SAND and GRAVEL, sub-angular, grey,	100	~	SPT#12	50/50+	100						
VES <sup>-</sup>	1111		, 0 , 0												
N N N			, 0 0	(24.4 to 26.5) Sandy gravelly SILT with cobbles well-graded											
OTE			9 O	sub-angular, medium plasticity, dark grey, dry	89		SPT#13	50+	100				>	k	
A/GE			• °°	FLUVIAL (26.5 to 28.7)											
/DAT	WE		ALLA	TION SYMBOLS: SAMPLE SYME	30L:					Terrane	Metals	Corp.		. 1	
\03\A		BENTONITE	CE		SPLITSP	OON				Mt. Mil	ligan Pro	oject			
0141			لمتحمه		<del>ا</del>					Details		Proiect	No.	Ref. No	o. Rev
1/01/(		SAND	SS SL		SHELBY	TUBE	K	nig	it i	Piés	old	VA101-1	41/3	1	0
Ξ		I	الللك						0 N	SULI	TING		KP08-	-13	

ſ	F	Proje	ct:	Mt. Milligan Project		D	rill Hole	e No	KP	08-13		PAGE	2	of	2
		Drilling	Co:	Geotech Drilling Ltd.		li	n Situ Sa	mpler:	SPT sj	olit spoo	<u>n</u> Date	Started:	Au	g 25,	08
	Drill	ing Met	hod:	Odex			Ele	vation:	11	16 m	Date Co	mpleted:	Au	g 26,	08
		Loca	tion:	70 km north of Fort St James			Total	Depth:	3′	1.7 m	Lo	ogged by:		CG	
L	C	Coordina	ates:	_435,014 N , 6,107,448 E		<u>Azi</u> mi	uth","Incl	nation _	0	, -90	Revi	ewed by:		BB	
		E I	00		(%)		ġ	LTN /	Ē	FIELD	O VANE SHE Remould (▲)	AR STREN Peak (△)	IGTH	MENT	MENT
	<b>(</b> m	NOL 10	IC L		ER ∕	ES	Ŭ Ŭ Ŭ		VALI	SP1	TEST DAT	A 'N' VALU	ES	ts (m	STRUI
	TH		ЧН		μŠ	JPL		MO %	N. K	PL	ected (×) MC			EPTF	DET
	DEF	ELE	GR	DESCRIPTION OF MATERIALS	SAN	SAI	SAN	BLC	R	20	40	60 8		MELL	WELL
F	111			Sandy GRAVEL, trace silt, poorly-graded,	-									-	-
	1111	1085.0 -	····	RECHARGE AT 26.5 m.	1										
	1111			FLUVIAL	54	$\ge$	SPT#14	14/26/30	56			×			
	1111			Gravelly SAND, trace silt, poorly-graded,											
				sub-angular, grey, saturated											
				(30.2 to 30.8)											
ő	35			End of Drillhole: 31.7 m											
10,	1111	1080.0 -													
Dec															
GDT															
RILL	1111														
с Ú	4														
IETR	40														
≥ ປ		1075.0 -													
Ц															
Е															
ORILI															
е́															
5 2	45														
ARY	1111	1070.0 -													
LIBR	1111														
U U U															
JSE/															
RHOI															
BMC	50														
A D P	1111	1065.0 -													
ΓΕΑ															
NTSI															
PLA															
SAT															
VOIL	55														
TIGA		1060.0													
IVES															
CH															
OTE															
A/GE															
A/DA1	WE	LL INST	TALLA	TION SYMBOLS: SAMPLE SYME	BOL:			_		Terran	e Metals	Corp.			
1/03/		BENTONITE	a a		SPLITSP	OON				Mt. Mi	Iligan Pro	oject 08-13			
\0014		_	-		_			1	-1	Details		Project	No.	Ref. No	o. Rev.
11/01		SAND			SHELBY	TUBE	K	nıgi	II .	ries	sola	VA101-14	41/3	1 .12	0
ΞL								- 0	, O N	SUL	TING	I	175.00	10	

	F	Proje	ct:	Mt. Milligan Project		D	rill Hole	No.	KP	08-14	_	PAGE	1	of	2
		Drilling	Co:	Geotech Drilling Ltd.		I	n Situ Sa	mpler: <u></u>	SPT sp	olit spoor	n_ Date	Started:	Au	ıg 26,	08
	Drilli	ing Meth	nod:	Odex			Elev	vation:	11	23 m	_ Date Co	mpleted:	Au	ıg 27,	08
		Locat	tion:	70 km north of Fort St James			Total I	Depth:	39	9.3 m	_ Lo	gged by:		CG	
	C	Coordina	ates:	434,981 N , 6,107,310 E		<u>Azi</u> m	uth","Incli	nation	0	, -90	Revi	ewed by:		BB	
		<u>و</u>	00		%)	-	o.	INT/	UE/	FIELD	VANE SHE emould (  )	AR STREI Peak (△)	NGTH	MEN	MENJ
	ŝ	0 L			Ш Ш	ES	й Ш	() COL	VAL	SPT	TEST DAT	A 'N' VALL	JES	HS (n	STRU AILS
	H	A	APH		NPL SOL	MPL	MPL	NO NO	N. Y	PL	MC			L/IN	L / IN: Det
			GR	DESCRIPTION OF MATERIALS	SAI	SAI	SAI	BLO	R	20	40	60	80	MEL	WEL
Γ	-														
		1 The second	4.0. 2.0.+	Silty SAND with cobbles, roots, brown	100	$\succ$	CDT#1	11/21/20	11		×				
	=			GLACIAL TILL (0.6 to 3.7)	100		. 351#1	11/21/20	41						
		1120.0	4.0.0 2.0.+	Gravelly SAND with silt, well-graded,	97	$\ge$	SPT#2	35/36/53	89				×		
		- mili	ç, t	dry-moist	1										
	5			FLUVIAL (3.7 to 5.2)	83	$\ge$	SPT#3	21/42/42	84				×		
8			4.0	Gravelly SAND with trace silt, poorly-graded,	1		-								
sc 10,	=	huuu	,	GLACIAL TILL	71	$\succ$	SPT#4	11/30/33	63			×			
ĕ ⊢		- dum	4 o	(5.2 to 10) Sandy, gravelly SILT, trace clay and boulders,			0.07.15	0.11.0.10.1	0.7		~				
G		1115.0 -	, +o	well-graded, sub-angular, high plasticity, light	92	$ \  \  \  \  \  \  \  \  \  \  \  \  \ $	SPI#5	8/16/21	37						
DRIL	=		4.0	gicylan brown, ary	83	$\succ$	SPT#6	12/27/42	69			×			
RIC,	10-		4.0 												
MET		1 min	4	(10 to 10.4)	100	$\ge$	SPT#7	31/50/50	100				>	*	
ဗ	-		, + o -	GRAVEL, grey, angular											
OLEI	-	- Internet	, , , ,	$\int (10.4 \text{ to } 12.2)$	1										
SILLH		1110.0 -		sub-angular, low plasticity, brown, dry	100	~~	SDT#8	48/50+	100				)	*	
, DF		mhunu	о С	GLACIAL TILL (12.2 to 24.4)	100		3F 1#0	40/001	100						
A.GLE	15-	1 mpm	0.0 0.0	Silty SAND and GRAVEL, well-graded,											
RY_N		i inti	, C, ,	moist.											
.IBRA	-	mii	°0.0	WATER AT 12.2 m.	83	~	SPT#9	22/50+	100				>	*	
		1105 0	°. °												
SE/G		105.0	o ç												
<b>HOL</b>					100	$\sim$	CDT#10	44/50	100				2	*	
WE	20-	ulum			100		581#10	44/50+	100						
		- Indiana	°°°°												
E AN	-	milin	<u>،</u> ۲۵، ۲												
NTSI		1100.0	0.0		100	$\sim$	SPT#11	29/50+	100				>	*	
PLA		mini													
IS AT	<u> </u>	niin ii		SAND											
ATION	20		4. 	(24.4 to 24.8) SAND. saturated	100	$\sim$	CDT#12	29/50+	100				2	*	
STIG/		- Thur	, o - o	GLACIAL TILL	100		J 3F 1#12	20/50+	100						
NVE	-	, như	4 o o	(24.8  to  27.4) Gravelly SAND and SILT, well-graded,											
E H		1095.0	• C• {	sub-rounded, low plasticity, very dense, grey, dry											
EOTI		mili	0.0°	(27.4 to 37.2)	29		SPT#13	50/50+	100					*	
ITA/G	-		, O. (	sub-angular, non-plastic, saturated											
A\D^	WEL	LL INST	ALLA	SAMPLE SYME	<u>30L:</u> 1					Terrane	Metals	Corp.			
41/03		BENTONITE	CE P		SPLITSP	POON				Details	For KP	)9ect )8-14			
1/001		1			2		V	nial	ht	Dián	11	Project	No.	Ref. No	D. Rev.
M:\1\0		SAND	R S S S S S S S S S S S S S S S S S S S		SHELBY	TUBE	Λ	nig	11 J	SUL		VA 101-1	KP08	-14	U

ſ	F	Proje	ct:	Mt. Milligan Project		D	rill Ho	e No.	KP	08-14	4	P	AGE	2	of	2
		Drilling	Co:	Geotech Drilling Ltd.		li	n Situ S	ampler:	SPT s	olit spo	on D	ate Sta	rted:	Au	g 26,	08
	Drill	ing Met	hod:	Odex			El	evation:	11	23 m	Date	Comple	eted:	Au	g 27,	08
		Loca	tion:	70 km north of Fort St James			Tota	Depth:	39	9.3 m		Logge	d by:		CG	
	C	Coordina	ates:	434,981 N , 6,107,310 E		<u>Azi</u> mi	uth","Inc	lination	0	, -90	F	leviewe	d by:		BB	
	DEPTH (m)	ELEVATION (m	<b>GRAPHIC LOG</b>	DESCRIPTION OF MATERIALS	SAMPLE RECOVERY (%)	SAMPLES	SAMPLE NO.	BLOW COUNT/ RQD (%)	SPT 'N' VALUE/ RMR	FIEL SF Unco PL 2	D VANE S Remould ( PT TEST D rrected (×	<b>A</b> → Pea <b>ATA 'N'</b> ) Co <b>MC</b> 60	STREN( k (△) VALUE prrectec	GTH S I (□) LL J	WELL / INSTRUMENT DEPTHS (m)	WELL / INSTRUMENT DETAILS
ECH INVESTIGATIONS AT PLANTSITE AND POWERHOUSE/GINT/LIBRARY_M.GLB, DRILLHOLE LOG_METRIC, DRILL.GDT, Dec 10, 08	40	1090.0 1085.0 10		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 End of Drillhole: 39.3 m	95 86 100 90		SPT#1	4 39/50+ 5 50/50+ 6 36/50+ 7 33/50+	100 100 100							
<u>GEO1</u>		-														
ATA/C	14/						<u> </u>									
141/03/A/DA		BENTONITE		SAMPLE SYME       EMENT     GRAVEL       GRAVEL     GRAVEL	BOL: Splitsp	'00N				Terrai Mt. N Detail	ne Meta Iilligan I Is For P	ls Cor Projec (P08-1	p. t 4			
M:\1\01\001	····	SAND	500 s.		SHELBY	TUBE	k	Knig	ht .	Pié	sold		Project N 101-14	o. 1/3 KP08·	Ref. No 1 • <b>14</b>	o. Rev. 0

Appendix II Test Pit Logs

	Proj	ect:	Mt.	Milligan Pro	pject	Test Pit No.:	TP08-01	Page	1 of 1
	Contr	actor:	Tab	a Enterpris	es Ltd.	Equipment Used:	VOLVO EC210CL	Date Started:	Aug 7, 08
	Loc	ation:	Mai	ntenance Co	omplex	Total Depth:	4.8 m	Date Completed:	Aug 7, 08
	Coord	inates	6,10	8,037.00 N	, 435,053.00 E	Elevation:	1103.00 m	Logged by:	CG
								Reviewed by:	BB
DEPTH - (m)	ELEVATION - (m)	SAMPLES	SAMPLE NO.		MATERIA	AL DESCRIPTIC	DN	c	OMMENTS
		-		1-24-24-24 2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-	TOPSOIL (0 to 0 45)				
	-	-		<u>26,26,26,2</u> 6,24,26,24 24,24,24,2 6,24,24,24,2 6,24,24,24,2 6,24,24,24,2	(U to 0.45) Sandy organic topsoil, dark brown	with grass and roots,	fibrous		
	_	1		+ ; ;+ ; ; ;+ ; ; ;	(0.45 to 0.96)				
Ω	-	-		+0 0+ 0 0 0+0 04	Sandy SILT, trace cobbles, sub-ro	unded, light brown, dr	у		
<u>1</u>	-1102.0			· 0.7. p	SILTY, GRAVELLY SAND (GLAC	(IAL TILL)			
, De		1			(0.96 to 4.8) Silty, gravelly SAND, some cobble	s. trace boulder sub-r	ounded, brown		
איפר	]	-		°.o+°.⊙		o, auto boardor, cub i			
2 	-	1		· α·+. ρ·	Ţ				
	-	-		0.0+0.04 4+0					
_ ت		1		α.+. σ.+ .+. σ.+. σ.+.					
₩ 1		]		* 0+0 0					
2 2	-1101.0	2		e. 0.+ 0.1 +0.+ 0.1					
	-	]		ં ંન-ં ન્					
0		-		ο					
ń	1	1		ં ંન- ં ન					
מיפרו	-	-							
Σ.		1		ं.्म, .्न					
		-							
2 3 2	-1100.0	Ч		0.0+0.04					
	-	-		α+. σ+. σ+					
		1		, +o, +, . , o+, o					
	]	]		;+;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;					
2	-	+		, +a <sup>, o</sup> + , c , oto, oto					
	_	1	_	+ ; ;;o.					
		GI	3 soa	.+₀					
	-1099.0			+;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;					
A A	-	-		÷.+°					
SNO CINO		1		+ + + + + + + + + + + + + + + + + + + +					
EA		]		+0.0+ c					
ΠQ	-	1		+ + + 0					
	-	]		+a + c	End of Tool Dit 4.0				ad water at 0.06 m
10 5	-1098.0	- )- -						test p	it walls saturated at
<u>y</u>		 I <u>G S</u> Y	MBOLS	<u>}:</u>			Torrano	Motals Corp	
41/03/M	B grab		BLOCK				Mt. Milli Details F	gan Project or TP08-01	
100/10/1/						Knigh	ht Piésol	Project No VA101-0014	. Ref. No. Rev 1/3 1 0
≅ <b></b>	04\00144	02/4/0					ONSULTIN	G	

	Proje	ct:	Mt. Mil	ligan Proj	ect	_Test Pit No.:	TP08-02	Pag	je <u>1 of 1</u>
	Contra	ctor:	Taba E	interprises	s Ltd.	_Equipment Used:	VOLVO EC210CL	Date Starte	d: Aug 11, 08
	Loca	tion:	Truck	Loading P	ad	Total Depth:	4.5 m	Date Completer	d: <b>Aug 11, 08</b>
	Coordir	ates	6,107,7	65.00 N,	434,875.00 E	_ Elevation:	1136.00 m	Logged by	y:JS
			1					Reviewed by	y:BB
l e	E -		ġ						
	TION	LES							
EPTI	EVA	AMP	AMP						
		Ś	Š	<u> </u>		L DESCRIPTIC	<b>N</b>		COMMENTS
				2-24-34-34- 36-36-36-3	(0 to 0.2) Sandy organic topsoil, dark brown	with wood and roots fi	bro		
				+ ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	SANDY GRAVEL (GLACIAL TILL	)		/	
				+a • + c	(0.2 to 3.8) Sandy GRAVEL with some cobble	s, rounded, well grade	d, non plastic, brown,		
		-		+ ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	compact, moist				
Ω				+a 0 + c					
0				+					
	-1135.0-			, +a, + + - , .o+, .o+					
- Ingline - Ingl									
2				°					
				ο					
- ر				*					
	-			+a 0 + c					
2	-1134.0-	1		+ , + , + , , , , , , , , , , , , , , ,					
				+a + c					
EQ	] .			+ + + + 0					
GLB				· +a · • + · c					
		-		+++					
BKAH				+a °+ c					
				· +. ,					
	-1133.0-			0.0+0.04					
		-							
	-			*					
				• 0.+ 0.1 +a. • + c					
E A				+ <u>o</u> +o					
ANIC	1 .			+ + + 0	SILTY GRAVEL (GLACIAL TILL)				
	- 1132.0-	-		+a 0 + c	(3.8 to 4.5) Silty GRAVEL with some cobbles,	rounded, well graded,	low plasticity, grey,		
SND				+ <u></u> , +o	very dense, moist				
EAL I		-		+a + c					
VEST	1 .	1		4.0.00					water in test - it
Z L					End of Test Pit: 4.5 m			NO	water in test pit.
Ц С	-	1							
A/GE									
		G SYN	IBOLS:					Metals Corp.	
G G	GRAB		BLOCK				Details F	or TP08-02	
01/00						Kniol	nt Piésol	Project VA101-00	No. Ref. No. Rev. 141/3 1_0
MEVIN						initia	ONSULTIN	IG	TP08-02
M:\1\	01\00141\0	3\A\DA	TA\GEOTE	CH INVESTIC	ATIONS AT PLANTSITE AND POWERHOUSE	GINT\2008 TEST PITS.G	PJ		

Contractor:       Table Entroprises Lid.       Equipment load: YOLVO EG2190L.       Date Some Aug 11, 08.         Location:       One Stockpile       Story GB2.00 N.       435,000.00 E       Bevalue:       1313.00 m.       Date Complete:       Aug 11, 08.         Contraines:       Story GB2.00 N.       435,000.00 E       Bevalue:       1313.00 m.       Date Some Aug 11, 08.         Image: Story GB2.00 N.       435,000.00 E       Bevalue:       1313.00 m.       COMMENTS         Image: Story GB2.00 N.       Story GB2.00 (GLAGAL TLL)       Bevalue:       COMMENTS         Image: Story GB2.00 (GLAGAL TLL)       Story GB2.00 (GLAGAL TLL)       Story GB2.00 (GLAGAL TLL)       Story GB2.00 (GLAGAL TLL)         Image: Story GB2.00 (GLAGAL TLL)       Story GB2.00 (GLAGAL TLL)       Story GB2.00 (GLAGAL TLL)       Story GB2.00 (GLAGAL TLL)         Image: Story GB2.00 (GLAGAL TLL)       Story GB2.00 (GLAGAL TLL)       Story GB2.00 (GLAGAL TLL)       Story GB2.00 (GLAGAL TLL)         Image: Story GB2.00 (GLAGAL TLL)         Image: Story GB2.00 (GLAGAL TLL)         Image: Story GB2.00 (GLAGAL TLL)       Story GB2.00 (GLAGAL TLL)		Proje	ect:	Mt. Mil	ligan Pro	iect	Test Pit No.:	TP08-03		Page	1 of 1
Coordinate       Ore Stocklike       Total Deph:       5.0 m       Date Complete:       Aug 11.08         Coordinate       5.107.568.00 N, 435,000.00 E       Elsevator:       11310.00 m       Logard by:       JBB         Image: Stocklike       Stocklike       International Control Stocklike       MATERIAL DESCRIPTION       COMMENTS         Image: Stocklike       Stocklike       TOPBOLI       Stocklike       COMMENTS         Image: Stocklike       Stocklike       TOPBOLI       COMMENTS       COMMENTS         Image: Stocklike       TOPBOLI       Stocklike       COMMENTS       COMMENTS         Image: Stocklike       Stocklike       TopBolit       Comment       Comment         Image: Stocklike       Stocklike       Stocklike       TopBolit       Comment         Image: Stocklike       Stocklike       Stocklike       Stocklike       No       No         Image: Stocklike       Stocklike       Stocklike       Stocklike       No       No		Contra	ictor:	Taba E	nterprise	s Ltd.	Equipment Used:	VOLVO EC210CL	Date	e Started:	Aug 11, 08
Coordinates 5,107,683,00 N. 435,000,00 E Elevation: 1131.00 m Logget by B Reviewed by BB Reviewe		Loca	ation:	Ore St	ockpile		Total Depth:	5.0 m	Date Co	mpleted:	Aug 11, 08
Reviewed by: BB         00       00       01       01       02       01       02       02       02       02       02       02       03       03       03       03       03       03       03       03       03       03       03       03       03       03       03       03       03       04       05       05       04       05       04       05       04       05       04       05       04       05       04       05       04       05       05       04       05       04       05       05       04       05       05       04       05       05       04       05       05       04       05       05       04       05       05       04       05       05       04       05       05       04       05       05       04       05       05       04       05       05       04       05       04       05       04       05       04       05       04       04       05       04       05       04       04       05       04       04       05       04       04       05       04       04 <th04< th="">       04       04</th04<>		Coordir	nates	6,107,6	68.00 N,	435,000.00 E	Elevation:	1131.00 m	Lo	ogged by:	JS
Image: Strate of the strate		_							Revi	ewed by:	BB
B       B       B       B       B       B       B       B       B       B       COMMENTS         I	(m) - HT	VATION - (m)	APLES	APLE NO.							
8     1     -11280- 3     -11280- 3     -11280- 3       8     1     -11280- 3     -11280- 3       9     1     -11280- 3       9     -11280- 3     -11280- 3       10     -11280- 3     -11280- 3       10     -11280- 3     -11280- 3       10     -11280- 3     -11280- 3       10     -11280- 3       10     -11280- 3       10     -11280- 3			SAN	SAN		MATERIA	AL DESCRIPTIO	N		C	OMMENTS
					2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	TOPSOIL					
3       1       11300       Sandy GRVEL (GLACIAL TILL) (0.15 to 4.1) Sandy GRVEL with some cobbles, rounded, well graded, non plastic, brown. compact. dy         3       1       11300       Site Y GRVEL (GLACIAL TILL) (0.15 to 4.1) Sandy GRVEL (GLACIAL TILL) (0.15 to 4.1) Sandy GRVEL (GLACIAL TILL) (0.15 to 4.1) Site Y GRVEL (GLACIAL TILL) (0.1 to 5.1) Site Y GRVEL (GLACIAL TILL) (1.1 to 5.1) Site Y GRVEL (GL			-		+ , ;; ,	(0 to 0.15) Sandy organic topsoil, dark brown	with wood and roots fi	bre			
Sandy GRWEL with some cobbles, rounded, well graded, non plastic, brown, compact, dy Sandy GRWEL (GLACIAL TILL) SILTY GRAVEL (SILT) SILTY GRAVEL (SILT) SILT			]		ta 0 + 0	SANDY GRAVEL (GLACIAL TILL (0 15 to 4 1)	-)				
s     1     1130.0-       s     2     1128.0-       s     1116.0       SHIP GRAVEL (GLACIAL TILL)       SHIP GRAVEL, with some cobbles, rounded, well graded, low plasticity, grey, very dense, moist       s     1128.0-       s     End of Test Pit 5 m       No water in test pit.       SAMPLING SYMBOLS:       mox       Terrane Metals Corp.       Mt. Milligan Project Details For TPD8-03       Knipht Pic/sold       TPB-03					+ , ; 0	Sandy GRAVEL with some cobble	s, rounded, well grade	d, non plastic, brown,			
1     -     SLTY GRAVEL (GLACIAL TILL) (±1 to 5)       3     -       4     -       5     -       5     -       6     -       5     -       6     -       6     -       7     -       8     -       7     -       8     -       9     -       10     -       1128.0     -       11			-		+a. 0+ c	compact, dry					
1       -1130.0- -       -	æ		1		+ , +0						
Supervised and the second and the se	0 0 1	-1130.0-	+		- 0.+. 0. +a 0+.c						
2 - 11280-       3 - 11280-       4 - 11270-       SILTY GRAVEL (GLACIAL TILL)       (4.1 0.5)       Silty GRAVEL (GLACIAL TILL)       (5.1 0.5)       Silty GRAVEL (GLACIAL TILL)       (1.1 0.5)       Silty GRAVEL       (1.1 0.5)       Silty GRAVEL       (1.1 0.5)       Silty GRAVEL       (1.1 0.5)       (1.1 0.5)       (1.1 0.5)       (1.1 0.5)       (1.1 0.5)       (1.1 0.5)       (1.1 0.5)       (1.1 0.5)       (1.1 0.5)       (1.1 0.5)       (1.1 0.5)	Пес				4, 50						
3       1128.0         4       1127.0         5       1128.0         6       1127.0         5       1128.0         6       1128.0         7       Sill TY GRAVEL (GLACIAL TILL) (4.1 to 5)         6       Sill GRAVEL with some cobbles, nounded, well graded, low plasticity, grey, very dense, moist         5       1128.0         6       S08-2         End of Test Pit: 5 m       No water in test pit.         SAMPLING SYMBOLS:       Terrane Metals Corp. Mt. Milligan Project Details For TP08-03         GB own       macro         Micro 30141/3       1         TP08-10.3       TP08-03	en.		-		+a + c						
3     - 1128.0       4     - 1127.0       5     - 1128.0       6     B       5     - 1128.0       7     End of Test Pit: 5 m       8	_	1	1		+, +o						
2       1128.0         3       1128.0         4       1127.0         5       1128.0         5       1128.0         5       1128.0         5       1128.0         5       1128.0         5       1128.0         5       1128.0         5       1128.0         5       1128.0         5       1128.0         5       1128.0         5       1128.0         5       1128.0         5       1128.0         5       1128.0         6       1128.0         6       1128.0         7       End of Test Pit: 5 m         No water in test pit.       No water in test pit.         SAMPLING SYMBOLS:       Mt. Milligan Project Distribution on the set pit.         Signed       mcc         Mt. Milligan Project Statis For TP08-03         TP08-03.0       TP08-03	2		1		α.+. ο.¶ +α. ο.+. ς						
2       1128.0         3       1128.0         4       1127.0         5       1128.0         6       B         7       B         8       MPLING SYMBOLS:         10       MI Milligan Project No.         10       1         10       1         10       1         10       1         10       1         10       1         10       1         10       1         10       1         10       1         10       1         10       1         <	<u>п</u>		1		4, 40.						
3       - 1128.0-         4       - 1127.0-         5       - 1126.0-         6       - 1126.0-         5       - 1126.0-         6       - 1126.0-         6       - 1126.0-         6       - 1126.0-         7       - End of Test Pit: 5 m         8       - 1126.0-         8       - 1126.0-         9       - 1126.0-         9       - 1126.0-         9       - 1126.0-         9       - 1126.0-         9       - 1126.0-         10       - 1126.0-         10       - 1126.0-         1126.0-       - End of Test Pit: 5 m         No water in test pit.       No water in test pit.         1126.0-       - End of Test Pit: 5 m         1127.0-       - End of Test Pit: 5 m         1128.0-       - End of Test Pit: 5 m         1128.0- </th <th></th> <th></th> <th></th> <th></th> <th>+0.+.0.4 +0.0+.c</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>					+0.+.0.4 +0.0+.c						
3       -1128.0         4       -1127.0         5       -1128.0         6       SULTY GRAVEL (GLACIAL TILL)         5       -1128.0         5       -1128.0         5       -1128.0         6       SULTY GRAVEL (GLACIAL TILL)         5	≝ <sup>∠</sup>		-		4						
Sampling SymBol.S:     Terrane Metals Corp.       SAMPLING SYMBOLS:     Terrane Metals Corp.       Mt. Milligan Project     Details For TP08-03       Mt. Milligan Project     Details For TP08-03	Ž		1		2.+. 0.4 +a.°+.<						
3       -1128.0-         4       -1127.0-         SILTY GRAVEL (GLACIAL TILL) (4.1 to 5)         Silt GRAVEL (with some cobbles, rounded, well graded, low plasticity, grey, very dense, moist         5       -1128.0-         6       -1128.0-         6       -1128.0-         7       -1128.0-         8	1		-		* : : : : : : : : : : : : : : : : : : :						
3       1128.0         4       1127.0         5       SILTY GRAVEL (GLACIAL TILL) (4,1 to 5)         Silty GRAVEL with some cobbles, rounded, well graded, low plasticity, grey, very dense, moist         5       1126.0         5       1126.0         6       B         5       1126.0         6       End of Test Pit 5 m         No water in test pit.         SAMPLING SYMBOLS:         Terrane Metals Corp. Mt. Milligan Project Details For TP08-03         Ref. No. Ref. N					P. a. +. o. 4 ↓ . +a. • + . c						
3       1128.0-         4       1127.0-         (4       1127.0-         (4       10.5)         Sill Y GRAVEL (GLACIAL TILL)         (4.1 to 5)         Silly GRAVEL with some cobbles, rounded, well graded, low plasticity, grey, very dense, moist         5       1126.0-         6       End of Test Pit: 5 m         No water in test pit.         Terrane Metals Corp. Mt. Milligan Project Details For TP08-03         Knight Picsold         Project No.         Project No.         Consput Ling	GLB		-		*						
3       1128.0         4       1127.0         5       SILTY GRAVEL (GLACIAL TILL) (4.1 to 5)         5       Silt (GRAVEL with some cobbles, rounded, well graded, low plasticity, grey, very dense, moist         5       1128.0         6       S08-2         End of Test Pit: 5 m         No water in test pit.         SAMPLING SYMBOLS:         Image: State of the s	∑		1		0 + 0 + + 0 + 0						
4       1127.0       SILTY GRAVEL (GLACIAL TILL) (4.1 to 5)       SILTY GRAVEL (GLACIAL TILL) (4.1 to 5)         5       5       Silty GRAVEL with some cobbles, rounded, well graded, low plasticity, grey, very dense, moist         5       1126.0       B         5       1126.0       End of Test Pit: 5 m         No water in test pit.         SAMPLING SYMBOLS: B         Terrane Metals Corp. Mt. Milligan Project Details For TP08-03         Knight Piésold valued on Sub Litting         Valuet No. Ref. No. Ref. No. Ref. No. Ref. No. Ref. No. Terrane Metals Corp. Mt. Milligan Project	XAX 3	-1128.0-	-		*						
A - 1127.0       SILTY GRAVEL (GLACIAL TILL) (4.1 to 5) Silty GRAVEL with some cobbles, rounded, well graded, low plasticity, grey, very dense, moist         5 - 1126.0       S08-2         End of Test Pit: 5 m         No water in test pit.         SAMPLING SYMBOLS:         Image: Block         Terrane Metals Corp. Mt. Milligan Project Details For TP08-03         Image: Block         Image: Block			1		2.+. 0.1 +a. 0.+. c						
4       1127.0       SILTY GRAVEL (GLACIAL TILL) (4.1 to 5) Sity GRAVEL with some cobbles, rounded, well graded, low plasticity, grey, very dense, moist       No water in test pit.         5       1126.0       G       B       S08-2       End of Test Pit: 5 m         No water in test pit.         SAMPLING SYMBOLS:         Terrane Metals Corp. Mt. Milligan Project Details For TP08-03         Knight Piésold TP08-03			1		° .0+0°.0-						
A       -1127.0-       SILTY GRAVEL (GLACIAL TILL) (4.1 to 5)         Silty GRAVEL with some cobbles, rounded, well graded, low plasticity, grey, very dense, moist       Silty GRAVEL with some cobbles, rounded, well graded, low plasticity, grey, very dense, moist         5       -1126.0       G B       S08-2       End of Test Pit: 5 m         No water in test pit.         SAMPLING SYMBOLS:         Medias Corp. Mt. Milligan Project Details For TP08-03         Knight Piésold Consput rung         Verified No. 1709et No. 1709et 30		] .			1.0.4.0.4 ta 0.4.4						
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         5       -1126.0-       G B       S08-2       End of Test Pit: 5 m         No water in test pit.         SAMPLING SYMBOLS:         Terrane Metals Corp. Mt. Milligan Project Details For TP08-03         Mit Milligan Project Details For TP08-03	E K H	1	1		* .0+0°.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         5       1126.0       End of Test Pit: 5 m         No water in test pit.         SAMPLING SYMBOLS:         Terrane Metals Corp. Mt. Milligan Project Details For TP08-03         Project No.         Project No.     <	≶ O L		-								
SILTY GRAVEL (GLACIAL TILL) (4.1 to 5) Sitty GRAVEL with some cobbles, rounded, well graded, low plasticity, grey, very dense, moist         5       -1126.0         G B       S08-2         End of Test Pit: 5 m         No water in test pit.         SAMPLING SYMBOLS:         G B         G B         Some         End of Test Pit: 5 m         No water in test pit.         No water in test pit.         Milligan Project Details For TP08-03         Project No. C O N S U L T I N G         TP08-03	NNA 4	- 1127.0-			*						
Image: Construction of the second constructi			-								
Silvy GRAVEL will some cooldes, rounded, weir graded, row plasticity, grey, very dense, moist         5 - 1126.0       G B       S08-2       End of Test Pit: 5 m         SAMPLING SYMBOLS:       End of Test Pit: 5 m       No water in test pit.         G B       G B       Some 2       End of Test Pit: 5 m         Milligan Project       Details For TP08-03       Project NO.         Knight Piésold       Valoi-00141/3       1         TP08-03       TP08-03	AN		1			(4.1 to 5)	rounded well graded	low plasticity grov			
Sampling Symbols:       End of Test Pit: 5 m         Sampling Symbols:       Terrane Metals Corp.         Mt. Milligan Project       Details For TP08-03         Knight Piésold       Project No.         Value       1         TP08-03	A		+		, ta t.c	very dense, moist	rounded, well graded,	iow plasticity, grey,			
Solution       Solution       End of Test Pit: 5 m       No water in test pit.         SAMPLING SYMBOLS:       Terrane Metals Corp. Mt. Milligan Project Details For TP08-03         B GRAB       BLOCK	C CNC		1		1. + o + o +						
Solution       Solution       Solution       Solution       Solution       Solution       Solution       No water in test pit.         Sampling Symbols:       Terrane Metals Corp.       Mt. Milligan Project       Details For TP08-03         B GRAB       B LOCK       Knight Piésold       Project No.       Ref. No.         Yes       Yes       No water in test pit.       No water in test pit.	NI Ko	· ·	1								
5       1126.0       Find of Test Pit: 5 m         SAMPLING SYMBOLS:       Terrane Metals Corp. Mt. Milligan Project Details For TP08-03         GB       GRAB       BLOCK		1	GR	502 2	1. +. o +. o +						
SAMPLING SYMBOLS:       Terrane Metals Corp.         GB GRAB       BLOCK         Terrane Metals Corp.       Mt. Milligan Project         Details For TP08-03       Details For TP08-03         TP08-03       TP08-03	N 5	-1126.0-		000-2	<u>1. ta ? t. c</u>	End of Test Pit: 5 m				No wat	ter in test pit.
SAMPLING SYMBOLS:       Terrane Metals Corp.         GB       Mt. Milligan Project         Details For TP08-03         Knight Piésold       Project No.         Ref. No.       Ref. No.         TP08-03	ц.	-									
SAMPLING SYMBOLS:       Terrane Metals Corp.         G B GRAB       BLOCK         The second seco	CHC CHC CHC										
GB GRAB BLOCK I Errane Metals Corp. Mt. Milligan Project Details For TP08-03 Project No. Ref. No.	A SI		G SYM	BOLS:				Tamara	Motel- C	2010	
Details For TP08-03 Knight Piésold CONSULTING TP08-03								Mt. Milli	vietais C gan Pro	ject	
Knight Piésold VA101-00141/3 1 00	0141(	<u></u>						Details F	or TP0	8-03	
CONSULTING TP08-03	/01/0(						Knigh	t Piésol	d v	Project No. 4101-00141/	(3 1 0
	M://							ONSULTIN	G	Т	P08-03

	Ρ	roje	ct:	<u>Mt. M</u> il	ligan Proj	ect	_Test Pit No.:	TP08-04		Page	1 of 1
	C	Contra	ctor:	Taba E	nterprise	s Ltd.	Equipment Used:	VOLVO EC210CL	Date	Started:	Aug 11, 08
		Loca	tion:	Ore St	ockpile		Total Depth:	3.2 m	Date Con	mpleted:	Aug 11, 08
	С	oordin	ates	6,107,6	06.00 N ,	435,127.00 E Elevation: 1124.00 m		Loç	gged by:	JS	
									Revie	ewed by: _	BB
	UEPIH - (m)	ELEVATION - (m)	SAMPLES	SAMPLE NO.		MATERIA	L DESCRIPTIC	'n		сс	DMMENTS
		-			2 - 22 - 22 - 22 2 - 22 - 22 - 22 - 22	TOPSOIL (0 to 0 3)					
		-			<u>10.16.10.1</u>	Sandy organic topsoil, dark brown	with wood and roots fi	bre			
		-				CLAYEY, SILTY GRAVEL					
		-			Polo	(0.3 to 1.1) Clayey, silty GRAVEL, subrounded	d, well graded, mediur	n plasticity, light brown	I <b>,</b>		
	1					moist					
88	-	-			Polo C						
ć 10,	1 _1.	123 0									
L, De	'ך'	-20.04			PTPC		<b>`</b>				
N.GD	1	-			+ ;; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	(1.1 to 3)		d non nic -4 - 1			
	-	]			+a + c	sandy-GRAVEL with some cobbles compact, dry	s, rounded, well grade	a,non plastic, brown,			
EST		-									
⊢ Ú	1	-			, +a , + . , ot , ot						
IETR I	-	-			· + 0						
2 00 2	2 - 1'	122.0-			, +a + - , o+, o+						
		-			· + 0						
EST	1				, +a + 4 • •+ <del>0</del> • • <del>1</del>						
— щ	-	-									
M.GL		-			, ⊤a ⊤ - P. oto .ot						
ARY		]									
LIBR	-	-			, ⊤°, ⊤, - , oto, . ot						
	3 – 1 <sup>.</sup>	121.0-			· · · · · · · · · · · · · · · · · · ·						
USE		-				(3 to 3.2)					
0 HY O	1					One large boulder +5m (larger than End of Test Pit: 3.2 m	n the pit)			No wat	er in test pit.
OWE	+	-									
II E A		-									
ANIS	1	_									
	4 - 1'	120.0-									
SNSE		-									
<u>A I IC</u>		-									
	+	-									
INN											
LECH		-									
GEO	1										
		PLING	SYM	BOLS:				T			
	R	RAB	R	LOCK				i errane M Mt. Millig	jan Proj	orp. ject	
141		-						Details F	or TP08	8-04	
01/00							Knigh	t Piésol	d VA1	Project No. 101-00141/	Ref. No. Rev 3 1 0
M.								ONSULTIN	G	T	P08-04

Γ	Ρ	roje	ct:	Mt. Mi	lligan Proj	ect	Test Pit No.:	TP08-05	Paç	je <u>1 of 1</u>
	(	Contra	ctor:	Taba E	Interprises	s Ltd.	Equipment Used:	VOLVO EC210CL	Date Starte	d: <b>Aug 11, 08</b>
		Loca	tion:	Plant S	Site Pad		Total Depth:	4.2 m	Date Complete	d: <b>Aug 11, 08</b>
	С	oordin	ates	6,107,4	126.00 N ,	435,148.00 E	Elevation:	1105.00 m	Logged b	y:JS
									Reviewed b	y:BB
		) E		ġ						
	<u></u>	- NO	ES	Ц Ш						
ļ	Ξ	VATI	ΛPL	<b>JPL</b>						
		ELE	SAI	SAN		MATERI	AL DESCRIPTIC	N		COMMENTS
		_			1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	TOPSOIL				
	-	-			<u>1.6.16.16.1</u>	Sandy organic topsoil, dark brown	n with wood and roots fi	bre	/	
		-				<b>SAND</b> (0.2 to 2.9)				
		-			a, alter a alter alter a sur a	SAND, fine grained some silt, po	orly graded, non plastic,	brown, loose, dry		
	+	-								
		-								
10, 0		-								
Dec	1 – 1	104.0-								
	-	-								
∑_		-								
L L	1	-								
Ë	-	-								
L K C		-								
₽		-								
	2 –1	103.0-								
ЫЧ		-								
TES		-								
с ГВ	1	-								
∑. Z	-	-								
KAK		-								
1 LIB	1	-			hunun					
; Gin	3 –1	102.0-				(2.9 to 3.6)				
Inst		-				Silty CLAY, poorly graded, mediu	ım plasticity, brown, firm	n, moist		
L H H H H H H		-								
A O L	1	-								
AND		-								
SILE		-			+	(3.6 to 4.2)	L)			
ANI	1	-			+a 0 + c	Sandy GRAVEL with some cobbl compact, moist	es, rounded, well grade	d,non plastic, brown,		
	4 – 1	101.0-			++	<b>⊥</b>				
SNC		-			+a <sup>•</sup> •+ -c					
Ä		-				End of Test Pit: 4.2 m			Ra	velling into pit
	-	-							at	4.0 m
NN		-								
IEC		-								
GEO	1	-								
	SAM	PLING	SYN	BOLS:				Tamara		
	, Pl	BAB						Mt. Milli	vietais Corp. gan Project	
	10							Details F	or TP08-05	
01/00							Kniol	t Piésol	VA101-00	No. Ref. No. Rev. 141/3 1 0
M:/1/							111105	ONSULTIN	G	TP08-05
M:\	1\01	00141\0			CH INVESTIG	ATIONS AT PLANTSITE AND POWERHOUS	F\GINT\2008 TEST PITS G	P.I		

	Proje	ct:	Mt. Mi	lligan Proj	ect	Test Pit No.:	TP08-06	Page	e <u>1 of 1</u>
	Contra	ctor:	Taba E	Interprise	s Ltd.	Equipment Used:	VOLVO EC210CL	Date Started	: Aug 11, 08
	Loca	ition:	Plant S	Site Pad		Total Depth:	4.3 m	Date Completed	: Aug 11, 08
	Coordin	ates	6,107,4	459.00 N,	434,947.00 E	Elevation:	1128.00 m	Logged by	: <b>JS</b>
	1							Reviewed by	: <u>BB</u>
<u>-</u>	E.		ö						
<u>5</u>   +	NOL	ES	U U U						
	EVAT	MPL	MPI						
ä	E	SA	SA	12 K 3/63 K 3	MATERIA	AL DESCRIPTIC	N		COMMENTS
	-			1 - <u>1 - 1 - 1 - 1</u>	(0 to 0.2)				
	-			+ 0 . + 0	Sandy organic topsoil, dark brown	with wood and roots fi	bre	/	
·					(0.2 to 4.3)	-,	ad non plastic brown		
				+ , + , + o	compact, moist	es, rounded, weil grade	ed, non plastic, brown		
	-			4.0+.c					
5	1 -			+ 0 + 0					
1 -	1127.0-			+0.0+ C					
				+ 0 +0					
	.			+a. 0. + . c					
	-			+ ; ; ; ; ;					
- -				+a 0 + .c					
Ď	-			+ ; + ;; + ; ; +; ; ; ;					
	-			+a 0 + c					
2 -	-1126.0-			+ , + , + , +					
				+a 0 + c					
-	-			+ 0 + 0					
	] -			+a + c					
				+ 0					
				· · · · · · · · ·					
2	1125.0								
3-	-1125.0-			0.040°.04					
				************					
	-								
	1 .			• • • • • •					
.				a.+. 0.+ +a. 0.+. c					
4 -	- - 1124.0-			* · · · · · · · · · · ·					
				+ 0 + 0 + 0 + 0					
	1 -			++o.					and the second
					End of Test Pit: 4.3 m			NO	water in test pit.
	-								
	1 -								
SA	 MPLINC	 <u>3 syn</u>	ABOLS:				Torrana	Motale Corn	
GR	GRAB		BLOCK				Mt. Milli	gan Project	
							Details F	or TP08-06	
2						Knigh	t Piésol	d VA101-001	41/3 1 0
M·\1\0	1\00141\0	3\A\DA		CH INVESTIG	ATIONS AT PLANTSITE AND POWERHOUSE		PI	G	I P08-06

	Proje	ect:	Mt. Mi	lligan Proi	ect	Test Pit No.:	TP08-07	Page	<u>1</u> of 1
	Contra	actor:	Taba B	Enterprise	s Ltd.	Equipment Used:	VOLVO EC210CL	Date Started:	Aug 12, 08
	Loc	ation:	Plant	Site		Total Depth:	3.8 m	Date Completed:	Aug 12, 08
	Coordi	nates	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.		MATERI	AL DESCRIPTIC	'n	с	OMMENTS
EIRIC, IESI PII_M.GUI, Dec 10, 08 L	- - - - - - - - - - - - - - - - - - -				TOPSOIL (0 to 0.9) Sandy organic topsoil, dark brown SILTY, GRAVELLY SAND (GLAC (0.9 to 3.8) Silty, gravelly SAND, with cobbles brown turning to grey at 3.1m, der	, tree roots and logs <b>CIAL TILL)</b> s, well-graded, rounded ise, wet-saturated, bou	l, high plasticity, light Ider at bottom		
ND POWERHOUSENSIN INLIBRART_MIGLE, TEST FUT LOG_ME	1118.0 			4. 5 5 6 5 5 6 5 5 6 6 5 5 6 6 5 6 6 5 6 6 5 7 6 7 5 7 6 7 5 7 6 7 5 7 6 7 5 7 6 7 5 7 6 7 5 7 6 7 5 7 6 7 5 7 5					
EOTECH INVESTIGATIONS AT PLANIOLE	- - 1116.0 - -		S08-3		End of Test Pit: 3.8 m			Wate	r at 0.9 m.
		 G SYI	MBOLS:				Terrane Metals Corp. Mt. Milligan Project		
						Knig	Details F <i>t Piésol</i>	or TP08-07 Project No. VA101-0014	. Ref. No. Rev 1/3 1 0 ГР08-07

	Proje	ct:	Mt. Mi	ligan Proj	ect	Test Pit No.:	TP08-08		Page	1 of 1
	Contractor:		Taba Enterprises		s Ltd.	Equipment Used:	VOLVO EC210CL	Dat	e Started:	Aug 12, 08
	Loca	tion:	Construction Camp         Total Depth:         4.9 m         Date		_ Date Completed:Aug 12,		Aug 12, 08			
	Coordin	ates	6,107,018.00 N , 434,949.00 E Elevation: 1155.00 m					L	ogged by: _	CG
								Rev	viewed by: _	BB
DEPTH - (m)	ELEVATION - (m)	SAMPLES	SAMPLE NO.		MA	TERIAL DESCRIPTIO	N		c	OMMENTS
-				2222222	TOPSOIL					
				2 - <u>24 - 24 - 24</u> 2 - <u>24 - 24 - 24</u> 2 - <u>24 - 24 - 24</u>	(0 to 0.35) Sandy organic topsoil, ligh	t brown, roots, logs and moss,	dry			
1. · · · · · · · · · · · · · · · · · · ·	-1154.0-				GRAVELLY SAND (0.35 to 4.9) Gravelly SAND with cobble dense, massive, low plasti	es, trace boulders and silt, wel city, light brown, moist	l-graded, sub-rounded	,		
2	- 1153.0- 									
3.	-1152.0-									
4	- 1151.0-          			+0, -1, -2, -2, -2, -2, -2, -2, -2, -2, -2, -2	End of Toot Dit: 4.0 m				No wat	er in test nit
S SA		S SYM	BOLS:	I			Torrano	lotale	Corp	
GE	GRAB	в	LOCK				Mt. Millig Details F	gan Pro or TP	oject 08-08	
11.11.10.1.000						Knigh	nt Piésol		Project No. A101-00141/ TI	Ref. No. Rev. 3 1 0 P08-08
- L M·\1\0	1\00141\0	3\0\D0T			ATIONS AT PLANTSITE AND POWE	RHOUSE/GINIT/2008 TEST PITS G	PI			

	Contra Loca Coordin	ictor: ition: iates	Taba E Constr 6,106,8	nterprise uction Ca 74.00 N ,	s Ltd.	_Equipment Used:	VOLVO EC210CL	Date Starte	ed: Aug 12, 08
(1	Loca Coordin	ntion: nates	<u>Constr</u> 6,106,8	uction Ca 74.00 N ,	mp	Tatal Dautha			
E F	Coordin	ates	6,106,8	74.00 <u>N</u> ,		_ Total Depth:	5.1 m	Date Complete	ed: Aug 12, 08
(F	(m) - NOI				434,953.00 E	_ Elevation:	1155.00 m	Logged	by: <u>CG</u>
Ê	(m) - NOI							Reviewed	by: BB
DEPTH - (I	ELEVAT	SAMPLES	SAMPLE NO.		MATERIA		N		COMMENTS
$\vdash$		•		EX CONTRACTOR	TOPSOIL		// <b>/</b>		COMMENTO
- 1					(0 to 1.4) Sandy organic topsoil, grass and ro	ots, logs, loose, light	brown, dry		
					SANDY GRAVEL (GLACIAL TILL) (1.4 to 2) Sandy, cobbley, GRAVEL, well-gra	) ded, high plasticity, d	ense, grey, moist		
	-1153.0- - - - - - - - - - - - - - - - - - -				SILTY, GRAVELLY SAND (GLAC (2 to 3.9) Silty, gravelly SAND with cobbles a sub-rounded, high plasticity, dense	AL TILL) nd trace boulders, we , light brown, moist	— — — — — — — — —		
	- 1152.0- - - - - - - - - - - - - - - - - - -	· · · ·							
4 -	- -1151.0- - - - - - - - - - - - - - - - - - -				SANDY SILT (GLACIAL TILL) (3.9 to 5.1) Sandy SILT/CLAY with gravel and plasticity, very dense, sub-rounded	cobbles, trace boulde , grey-brown, moist	rs, well-graded, high		
5 -	- 1150.0- - - - - -	GB	S08-4	·····································	End of Test Pit: 5.1 m			W	/ater at 2.0 m.
GB		G SYN	<b>IBOLS:</b> BLOCK	ļ l		Terrane Metals Corp. Mt. Milligan Project			
						Knigh	t Piésol	d VA101-0	t No. Ref. No. Rev. 0141/3 1 0 TP08-09

## Appendix III Test Well Drill Logs

Date Drilled: October 15 to 19, 2008       Location: Mt. Milligan - mine camp       Project No         Rig: Fraste MDXT       Contractor: Geotech Drilling Services Ltd.       Drilling Method: Air-rotary, Odex - excentric bit       Location: Mt. Milligan - mine camp       Project No         Drilling Method: Air-rotary, Odex - excentric bit       Iso ord: E434,900 N6,106,870 m       Project Mt       Client: Terr         (u)       add       so       so       SOIL DESCRIPTION       Well Installation       Groundwate         0       % CD       SOIL DESCRIPTION       Well Installation       Groundwate       Inters/so         0       Soilty Sand and Gravel       0.0       0.0       Neathered glacial till, dens, with       0.0         5       Silty Sand and Gravel       0.0       0.0       Neathered glacial till, dens, with       0.0         10       Glacial Till       7.5       Silty sand and fine gravel, with       0.0       0         10       Glacial Tody, grey       Silty sand and fine gravel, with       0       0       0	Page 1 of 1
Image: Second	, 7177 t. Milligan Mine rane Metals Corp.
0-       Silty Sand and Gravel       0.0         weathered glacial till, dens, with boulders, moist to dry, brownish, trace water at 7 m       1147.5         10-       Glacial Till       7.5         10-       silty sand and fine gravel, with occasional cobbles, very dense, moist to dry, grey       04	er Inflow sec 10 Electric. Conductivity mS/cm 0.5 1 1.5 PH units 6 8 10
15-       1137.3       17.7         20-       Silty Sand       17.7         with trace gravel, dense, moist to dry, rusty to ochre brown       1130.6         25-       Clacial Till as from 7.5 to 17.7 m, moist to dry       24.4         30-       1112.0         40-       1112.0         40-       1112.0         55-       Silty Sand and Gravel trace clay, dense to medium dense, saturated, brown       1109.4         50-       Test well was decommissioned after arilift testing on Oct 19, 2008 and backfilled with bentonite chips and oritimer       All material was re- moved and drillinole was backfilled	
60- WATER MANAGEMENT CONSULTANTS	130-10691 Shellbridge Way Richmond, B.C., Canada

