Geological Assessment Report on a

Prospecting and Mapping Program

and

a Pitting and Mapping Program

on the

094663

Indian River Gold Project

for

Boulder Mining Corporation

Located on Claim Sheets 115O/11 and 115O/14 in the Dawson Mining District

Yukon, CANADA

Claim Names:
BJM 47-57, BJM 63-69, FEN 1119 - 1172

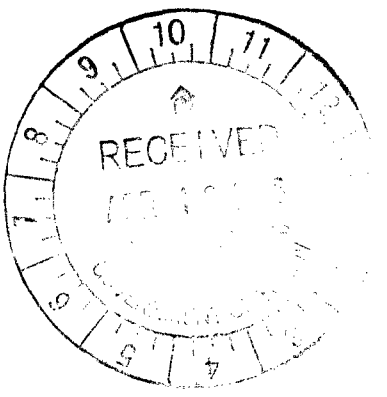
Claim Grant #:
YC35254-YC35264, YC35266-YC35272, YC35114-YC35167

Approximate Centre of Claim group: UTM Datum NAD 83, Zone 7.
Northing: 7072300 Easting: 584500.

Work Dates
May 11 to September 6, 2005

John H. McAdam
B.Sc., P.Eng.

March, 2006



Costs associated with this report have been approved in the amount of $ 31,800 for assessment credit under Certificate of Work No. 2000669

K. Berry

Mining Recorder
Dawson City Mining District

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May 11 to August 31, 2005

APPENDIX B – PITTING AND MAPPING NOTES
Recorded by Hendrik Veldhuyzen, BSc., MSc.
June 17 to September 06, 2005

INTRODUCTION

This assessment report describes work programs consisting of a pitting with excavator program and a prospecting/mapping program conducted on the Indian River Gold Project located south of Dawson City, Yukon. Boulder Mining Corporation acquired the rights to earn a 100% interest in the Indian River Property from Western Prospector Group who in turn have rights to earn a 100% interest in the Indian River Property from Peter Risby. The property was acquired for its alluvial gold potential but the scope of the exploration has expanded to evaluate potential hardrock sources of gold. A large group of quartz claims were staked and later rationalized to a smaller group which underlie and are immediately adjacent to the placer claims subject to the original agreement.

LOCATION

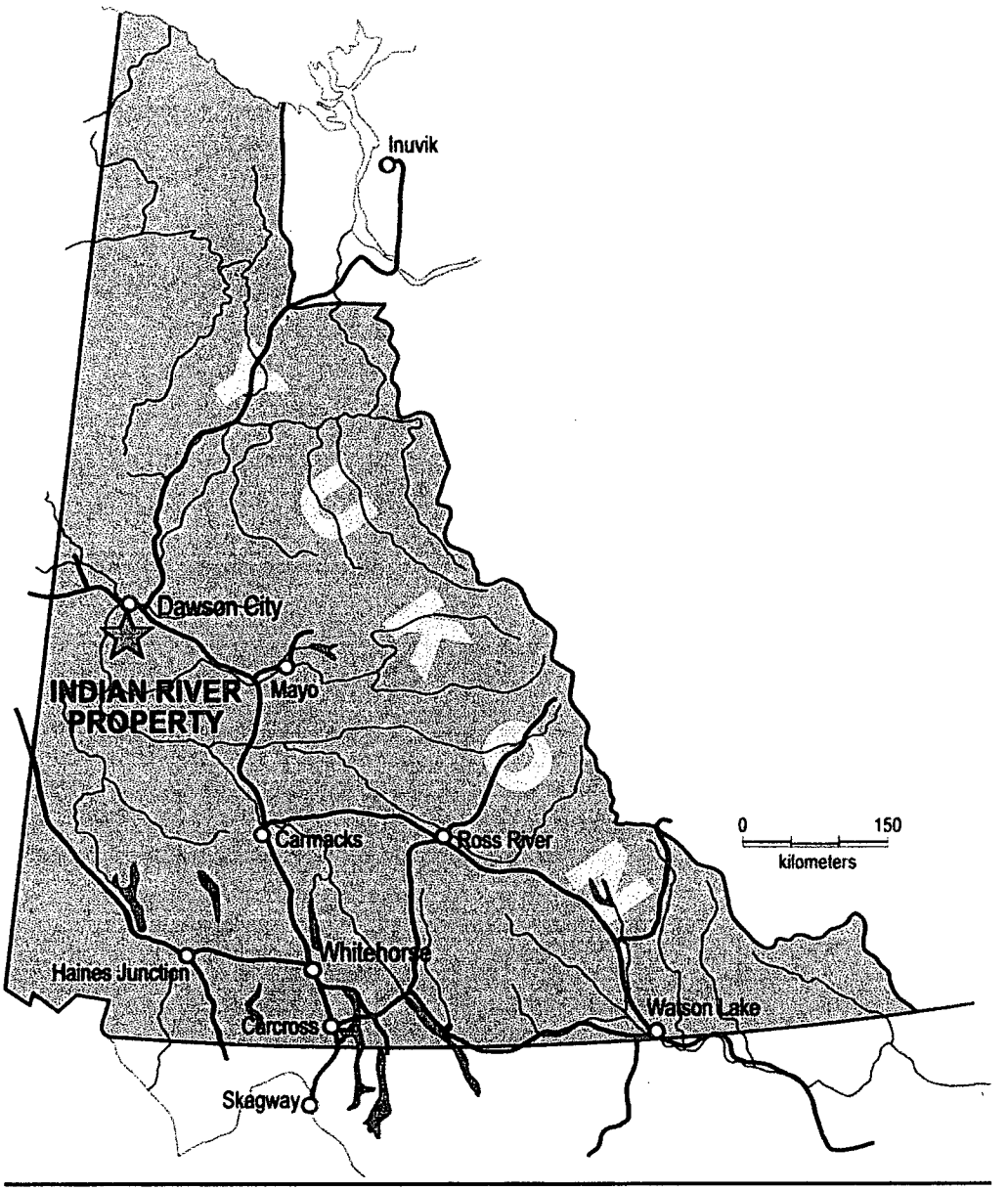
The Indian River Hard Rock Gold Project is located approximately 30 km south of Dawson City along and south of the Indian River from approximately Quartz Creek in the east to approximately 2 km west of Ophir Creek in the west. The quartz claim package to which the work program reported upon herein is being applied for renewal is comprised of 72 quartz claims.

CLAIMS

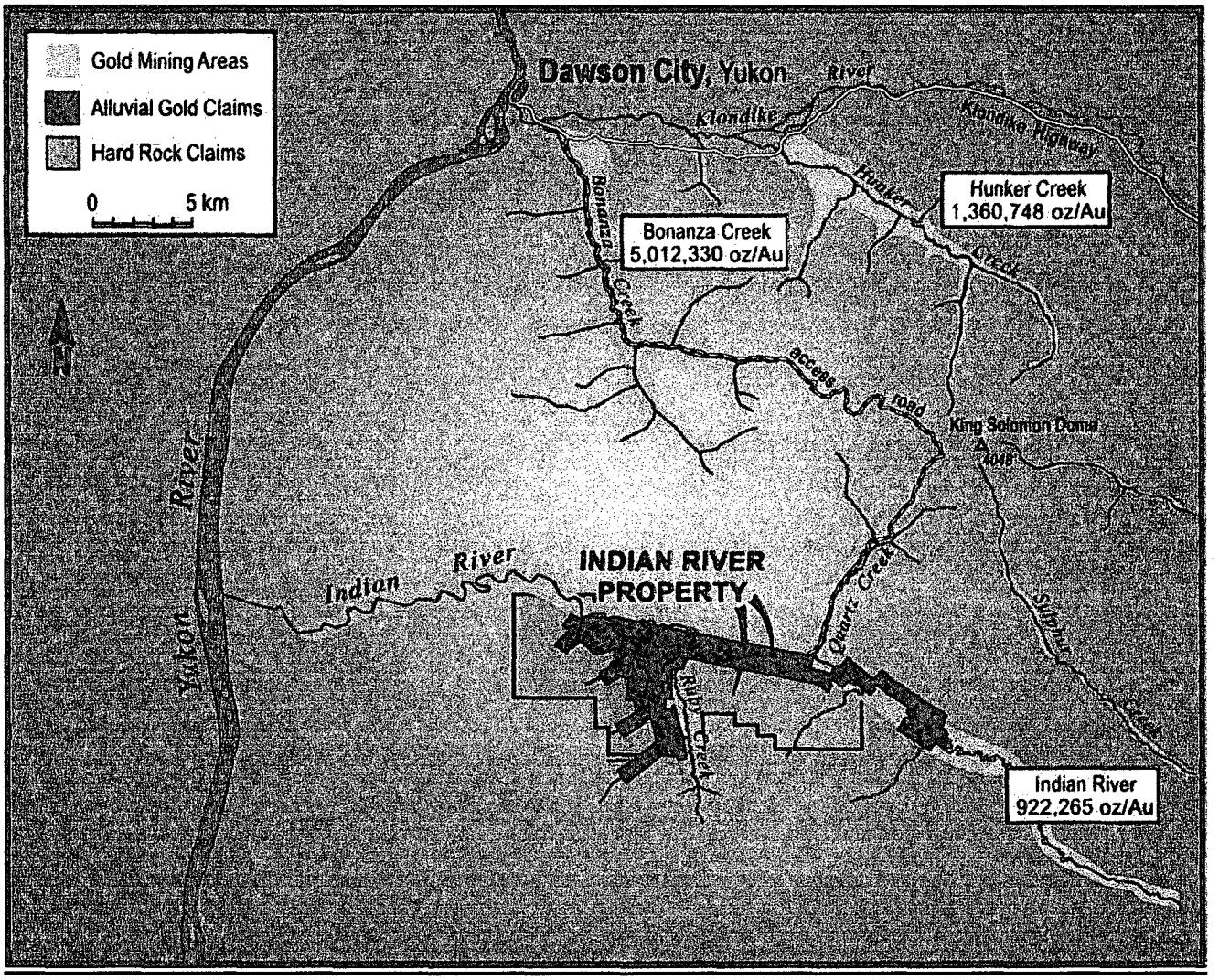
The exploration programs were conducted on the following claims which are registered in the name of Boulder Mining Corporation whose office is located at Suite 951, 409 Granville Street, Vancouver, B.C., V6C 1T2.

Claim Name	Claim Number
BJM 47-58	YC35254-YC35265
FEN 5-116	YC35266-YC35272
FEN 1119-1172	YC35114-YC35167

The approximate centre of the Claim Group using UTM Datum NAD 83, Zone 7 is: Northing: 7072300 Easting: 584500.
All claims lie on Claim sheet 115O/14 and /or on adjacent Claim Sheet 115O/11.



LOCATION MAP: INDIAN RIVER GOLD PROJECT



LOCATION MAP SHOWING QUARTZ AND PLACER CLAIMS – INDIAN RIVER GOLD PROJECT

BACKGROUND

In the spring of 2004, Boulder Mining optioned the Indian River Gold Project from Western Prospector Group. Whereas the main reason for optioning the project was for its alluvial gold potential, naturally the question of the source of the alluvial gold and whether it could be an interesting target in its own right was raised. A large quartz claim group was staked over the summer and fall of 2004 to cover the possibility of a bedrock source being identified by the ongoing alluvial exploration programs.

Conceptually, three hard rock precious metal target types have been identified;

1) basement hosted targets most likely to be structurally controlled
2) paleo-placer deposits hosted within the Cretaceous conglomerates overlying the basement and
3) epithermal targets related to the Carmacks volcanic rocks overlying all the above rock units

A rotasonic drill program was initiated in June 2004 to test; 1) the Down Stream Bench; the area on the south bank on the Indian River west of Ruby Creek; 2) Ruby Bench itself which extends south of Indian River along the west side of Ruby Creek and 3) the Upstream Bench located east of Quartz Creek on the north side of Indian River.

The exploration philosophy was to drill through the overburden and gravels and into the bedrock. Alluvial information was collected and processed.

The Downstream Bench is an interesting geologic area in that the Cretaceous sediments thin out and ultimately disappear as ones progresses to the west and to the south. The actual basement-sediment contact if structural, could be an interesting conduit for mineralizing fluids or if depositional, could be interesting if the basal unit was a conglomerate.

In the course of a 2004 Rotasonic drill program, Hole 44 returned over 1601 gold grains from a sample that straddled the bedrock overburden contact. The abundance of grains combined with the fact that most were pristine and of delicate form, suggests that the gold was derived locally. An attempt to trench to bedrock did not succeed but a VLF test line showed a well defined VLF crossover approximately 15 metres north of the hole. This prompted the thought that there could be significant shear zones in the Indian River Valley and hence the VLF survey.

The geology the region is presented on Canada Department of Mines and Resources on Map 711 A of the Ogilvie Territory; geology by H.S. Bostock 1935, 1936 and 1937. The Indian River Project is located in the north central area of the map.

A more recent geological reference is Geological Survey of Canada, Open File Report 4641, Stewart River Area by Ryan, J.J. and Gordey, S.P. published in 2004.

2004 - ROTASONIC DRILL PROGRAM

In the period June 25 to August 03, 2004, sixty one rotasonic drill holes totaling 552 metres averaging 9.1 m each were drilled including six holes that did not reach bedrock. The drilling was performed by Overburden Drilling Management Services of Nepean, Ontario. Averill et al November 30, 2004 reported as follows:

"The drilling established that the Cretaceous cover rocks extend up to 4 km westward over the Yukon Schist (Nasina Series) from their outcrop limit. They underlie all of Ruby Bench. On the Downstream Bench, the contact with the Yukon Schist trends NNE between lines 46 and 48 E and then bends sharply WNW along the base line to the Indian River."

Averill et al November 30, 2004 concluded on the hard rock potential that:
"The lode gold mineralization detected in the Yukon schist at Hole 44 also appears to be minor. However, the gold bearing Cretaceous quartz-pebble conglomerate is essentially untested and remains a worthy exploration target."

2004 - VLF RESULTS

A VLF survey was conducted over a portion of the subject claim group in the fall of 2005. The collection of data was difficult due to weak signals. Perhaps the survey data would have been more effective if an electronic nulling VLF system were used. Whereas there are several short conductors no large through going conductive feature was detected. On balance, the lack of long linear conductive features down graded the Indian River Valley as a potential host of major structures.

2005 PROSPECTING AND MAPPING PROGRAM

During the period May 11 to August 31, 2005 Mr. Hendrik Veldhuyzen BSc., MSc., recorded numerous prospecting/mapping observations. These observations are reported along with GPS locations under the claim numbers as presented below in Appendix A. Costs related to this aspect of the exploration program are reported below in the section entitled Statement of Expenditure.

2005 PITTING AND MAPPING PROGRAM

During the summer of 2005, beginning June 17 through to September 06, a program of excavating pits to bedrock was undertaken. If bedrock was attained, its location was recorded using a handheld GPS (some pit locations were later surveyed in using differential GPS) and notes were made recording rock type, structural information and mineralization. A company owned Hitachi 300 tracked excavator was operated by Ivan Burian, David Crawford, Melvin Webber and Donjack Upton and the pitting, mapping and examinations were conducted by Hendrik Veldhuyzen, BSc., MSc. Pit number, GPS co-ordinates, and observations are recorded under the hosting claim numbers as presented below in Appendix B. Costs related to the pitting program are detailed below in the section entitled Statement of Expenditures.

STATEMENT OF EXPENDITURES

Expenditures incurred on the various claims on the dates specified are detailed below. The two types of programs undertaken were Prospecting and Mapping ("**Prospecting**") and Pitting and Mapping ("**Pitting**").

Prospecting expenditures were primarily the consulting fees of H. Veldhuyzen allocated on the basis of $50 per hour. Where additional expenses (eg. assistants or an excavator and operator) were incurred they are detailed as line items.

Pitting expenditures were allocated on the basis of an average digging rate of 1 metre per hour which over time including moving from site to site, prep work, dealing with water inflow and/or frozen ground, etc was reasonable. The hourly rate charged for this work was $200 comprised of $50 per hour for H. Veldhuyzen (supervision and mapping), $125 per hour for the Hitachi 300 LX excavator (equivalent to local rental rates) and $25 per hour for the operator.

Please note, greater details of the work performed are listed in either Appendix A if it was Prospecting work or in Appendix B if it was Pitting work. The claim numbers and /or dates can be used to cross reference.

Pebble- 3			
Aug 17	**Prospecting** -2 hours -	H. Veldhuyzen x $50/hr	= $100
Aug 16, 29	**Pitting** -	depths 7.25 m X $200/m	= $ 1450
		Total	= $1550
Pebble - 4			
Aug 18, 23	**Pitting** -	depths 4.4 m X $200/m	= $ 880

Pebble - 5			
Aug 15	**Pitting** -	depths 3.92 m X $200/m	= $ 784
Pebble – 6			
July 6	**Prospecting** - 1 hour -	H. Veldhuyzen x $50/ hr	= $ 50
Aug 30	**Prospecting** - 1 hour -	H. Veldhuyzen X $50/hr	= $ 50
Sep 06	**Pitting** -	depths 6 m X $200/m	= $1200
		Total	= $1300
FEN – 33			
Aug 29	**Prospecting** - 1 hour -	H. Veldhuyzen x $50/hr	= $ 50
Aug 31	**Prospecting** -1 hour -	H. Veldhuyzen x $50/hr	= $ 50
Aug 31	**Pitting** -	depths 4.8 m X $200/m	= $ 960
		Total = $1060	
FEN – 34			
Aug 30	**Pitting** -	depths 3 m X $200/m	= $ 600
FEN – 64			
Aug 24	**Pitting** -	depths 3.5 m X $200/m	= $ 700
FEN – 66			
Aug 06	**Pitting** -	depths 4.3 m X $200/m	= $ 860
FEN – 93			
June 22	**Prospecting** - 0.5 hour -	H. Veldhuyzen x $50/hr	= $ 25
June 29	**Prospecting** - 1 hour -	H. Veldhuyzen x $50/hr	= $ 50
June 25	**Pitting** -	depths 6 m X $200/m	= $ 1200
		Total	= $ 1275
FEN – 95			
June 22	**Prospecting** - 1 hour -	H. Veldhuyzen x $50/hr	= $ 50
FEN – 97			
July 7	**Prospecting** -1 hour -	H. Veldhuyzen x $50/hr	= $ 50
FEN – 112			
July 16	**Prospecting** - 1.5 days	H. Veldhuyzen x $450/day	= $ 675
	Prospecting - 1 day	McAdam x $450/day	= $ 450
	Prospecting - 0.25 days	H. Hettinga x $160	= $ 40
Jun17, Aug 2, 4			
	Pitting -	depths 12.75 m X $200/m	= $2550
		Total	= $3715
FEN – 113			
Jul 12, Aug 4	**Pitting** -	depths 11.6 m X $200/m	= $2320

FEN – 114			
June 22	**Prospecting** - 0.5 hour -	H. Veldhuyzen X $50/hr	= $ 25
Jun 19, 25	**Pitting** -	depths 28.70 m X $200/m	= $5740
		Total	= $5765
FEN – 115			
June 27	**Prospecting** - 1 hour -	H. Veldhuyzen X $50/hr	= $ 50
June 30	**Prospecting** - 1 hour -	H. Veldhuyzen x $50/hr	= $ 50
July 6	**Prospecting** - 8 hours-	H. Veldhuyzen x $50/hr	= $ 400
July 7	**Prospecting** - 1 hour -	H. Veldhuyzen x $50/hr	= $ 50
Jun 30	**Pitting** -	depths 0.5 m X $200/m	= $ 100
		Total	= $ 650
FEN – 116			
July 7	**Prospecting** -7 hour -	H. Veldhuyzen x $50/hr	= $ 350
FEN – 146			
Aug 1	**Prospecting** -1 hour -	H. Veldhuyzen x $50/hr	= $ 50
FEN – 214			
Aug 12	**Pitting** -	depths 4.5 m X $200/m	= $ 900
FEN – 305			
Aug 14	**Pitting** -	depths 6.5 m X $200/m	= $1300
FEN – 346			
Aug 9-11	**Pitting** -	depths 13.1 m X $200/m	= $2620
FEN – 348			
Aug 7,8	**Pitting** -	depths 6.95 m X $200/m	= $1390
FEN – 1124			
May 12th	**Prospecting** - 1.5 hour -	H. Veldhuyzen x $50/hr	= $ 75
FEN – 1126			
May 11th	**Prospecting** -1 hour -	H. Veldhuyzen X $50/hr	= $ 50
FEN – 1127			
July 19	**Prospecting** - 1 hour -	H. Veldhuyzen x $50/hr	= $ 50
	Prospecting 1 hour excavator and operator x $150		= $ 150
Jul 18,19	**Pitting** -	depths 13 m X $200/m	= $2600
		Total	= $2800
FEN – 1128			
30Jun	**Pitting** -	depths 1.3 m X $200/m	= $ 260

FEN – 1142

June 19th **Prospecting** - 4.0 hour - H. Veldhuyzen X $50/hr = $200
Prospecting –
3.0 hours - excavator and operator x $150/hr = $450
Prospecting –
2.0 hours - D7 and operator x $ 125/hr = $250
Total = $900

STATEMENT OF EXPENDITURES - Summary

The following is the summary of expenditures incurred on the Pitting and Mapping and the Prospecting and Mapping undertaken in 2005:

Prospecting and Mapping Costs .....$ 3,840
Pitting and Mapping Costs .....$ 28,414

Expenditures applied to renewal of Quartz claims ..... $ 32,254

REFERENCES:

Averill, S.A, Holmes, DRS, Keays, S.M, November 30, 2004, Investigation of the Gravel Stratigraphy and Gold grades in the Downstream and Ruby Benches by Rotasonic Core Drilling; Overburden Drilling Management Limited, Nepean, Ontario

Bostock, H.S., 1942, *Ogilvie, Yukon Teritory, Canada Department of Mines and* Resources, Map 711 A

McAdam, J.H., 2005, Assessment Report on a Rotasonic Drilling Program Performed by Overburden Drilling Management and A VLF Survey Performed by Aurora Geoscience on the Indian River Gold Project for Boulder Mining Corp.

Ryan, J.J. and Gordey, S.P, 2004, Geological Survey of Canada, Open File Report 4641, Stewart River Area.

STATEMENT OF QUALIFICATIONS

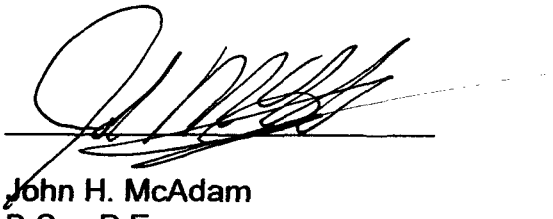
I am a member of the Association of Professional Engineers registered in the Provinces of British Columbia and Ontario.

I graduated from Queen's University with a Bachelor of Science with Honours in Geological Engineering in May 1978.

I have worked in the mineral exploration business since 1978.

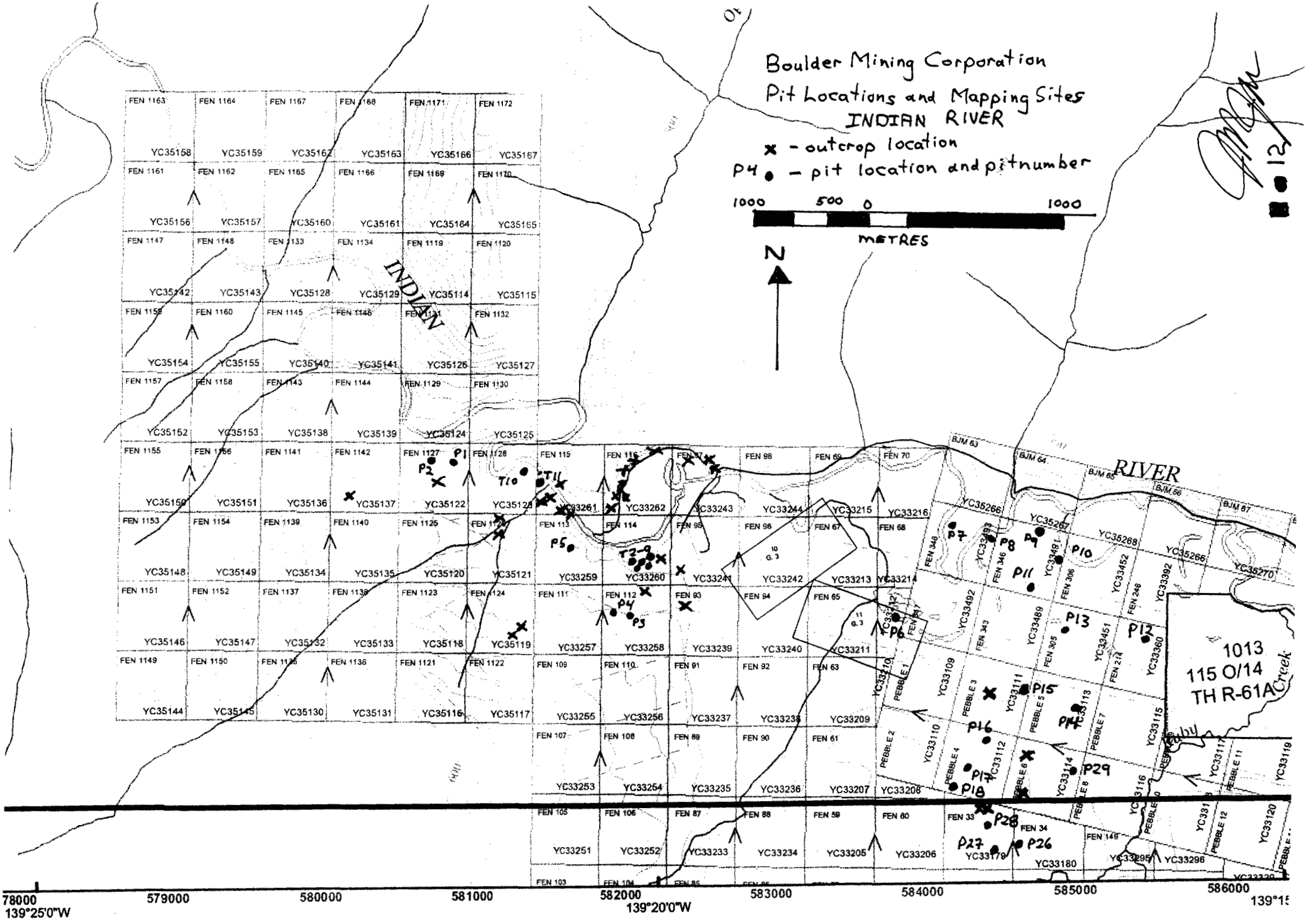
I have been involved with the planning and execution of many drill programs and VLF – EM surveys.

I am President, a Director and a shareholder of Boulder Mining Corporation.



John H. McAdam
B.Sc., P.Eng.

March, 2006


Boulder Mining Corporation
Pit Locations and Mapping Sites
INDIAN RIVER
× - outcrop location
P4 ● - pit location and pitnumber
1000 500 0 1000
METRES
N
INDIAN
RIVER
1013
115 O/14
TH R-61A
Creek
579000
580000
581000
582000
583000
584000
585000
586000
139°25'0"W
139°20'0"W

NDIX A – PROSPECTING AND MAPPING NOTES

Recorded by Hendrik Veldhuyzen, BSc., MSc.
May 11 to August 31, 2005

ecting expenditures were primarily the consulting fees of H. Veldhuyzen ted on the basis of $50 per hour. Where additional expenses eg assistants excavator and operator were incurred they are detailed as line items.

1th 1 hour - H. Veldhuyzen FEN - 1126
n 7072026 581244
silicified blocky ridge trending 269 magnetic at least 14 m wide
bedding 268-34 magnetic
possible refolded fold plunge 269-2 magnetic to west
1-6 mm brownish siderite veining
blocky ridge truncated by 019 degree magnetic, drops to gully to the west
west side of gully (165 m) bedrock not seen suspect right lateral fault
displacement

2th 1.5 hour - H. Veldhuyzen FEN - 1124
n 7071322 581290
old dozer trench, shallow bedrock Klondike schist in base but not tly exposed, has dark grey quartz veining 1 - 3cm, has plunge lineations, actures with reddish mineral, oxidized sulphide mineral or weathered , not sure

n 7071245 581242
old bull dozer trench, Klondike schist, fine banding, black some graphite uartz 0.1 to 2.0 mm oriented 033

9th 4.0 hour - H. Veldhuyzen FEN - 1142
3.0 hours - excavator and operator @ $150/hr
2.0 hours - D7 and operator @ $125/hr
n 7072439 580387
trench in upper break in slope along strike from IRS-04-44 to west
Klondike schist, partings 1-2 cm rusty on fracture planes, - cleavage 077-49 degrees
fracture 123-84 degrees
6 to 8 mm quartz veins, irregular,boudined with 1-2% pyrite subparallel to osity is silicified material making up ridge underlying airstrip to the east
1.3 mm pyrite in country rock, all brown Mn Fe stained (not severe)

July 6 **8 hours** **H. Veldhuyzen** **FEN - 115**

location 7072434 581453

- opposite side of river of E1 and W1 cuts (right bank)
- chaining along trail to east 0 m road trends 105 to east

4.8 m whitish grey schist, blocky 1-3 cm quartz veining, fresh rock greenish, black chlorite with two apparent cleavages
other face chlorite as opposed to muscovite, brownish colour
cleavages 14 degrees apart
surface in 2nd cleavage 342-36 lineation in first
some graphitic partings but no apparent sulphide mineralization
oxidized and weathered bedrock
bedding 270-34 N
cleavage 273-18 N
quartz vein in cleavage 2?
8.9 m lower in stratigraphy underlying the above, massive quartz biotite with quartz veining
fault 214-52 10cm displacement
silicified zone 53 cm broken up, affected by F2 cleavage and later cross faults
10.6 m cross fault 046-76 E cm scale, west side down
9.40 m offset minor 168-82
14.80 m end of silicification in exposure, quartz glassy dark coarse grained 0-tr pyrite, also black mineral, plately tabular shiny (antimony mineral?) not grey enough to be specular hematite
18.75 m quartz muscovite schist, quartz eyes apparently on face perpendicular to cleavage, elongated 5 to 10 to one by cleavage
22.00 m similar to 4.6 m, shallow bedding cleavage, lot of muscovite schist, weathered, bedding 148-08 W
30.00 m to 60.00 m road bearing 129 degrees
30.00 m weathered muscovite schist into soil profile, layer dark grey, quartz rich horizon 1-4 mm planar no bedding, in late cleavage
43.00 m similar planar quartz, possibly muscovite, 1-4 mm planar rock similar to 33.00 m but upper 40 cm weathered muscovite schist
52.60 m bedding on more silicified band, 186-46
57.40 m quartz eyes in rock, well banded bedding orientation without 2nd cleavage, second cleavage limited to micaceous units
60.00 to 90.00 m road bearing 137 degrees
64.00 m hard banded rock in schist, grey white quartz bedding,
bedding 1.5 mm, 15 bands in 2.0 cm, planar regular, shows broad curving surface and lineation, muscovite poorly developed
66.60 m fracture 090-86
66.90 m quartz eyes appear 6-8 mm porphyroblasts in more micaceous matrix
white fine grained not crystals, mica's dark in part wrap around light mineral
road outcrop to 78.00 m ends at 90 m rubbly weathered

July 7, 1 hour H. Veldhuyzen FEN 115

location 7072262 581578

anticlinal fold system cross cut by low angle faults, photo's chained from east to west

1.30 m fold flexure photo 1, on side of small fold axis

flexure 245-14

bedding? low angle oblique to schistosity 15 degrees

only one apparent foliation, second may have been plastic fold deformation, rock quartz +/1 biotite schist chlorite schist. chlorite stretched with white porphyroblasts

folliation most prominent banding due to stretching of porphyroblasts

3.00 m axis of small fold structure247-19 S plunge of axis

no apparent axial cleavage

prominent joint face along outcrop 332-81, late brittle deformation

5.40 m small flexure, syncline, doesn't cross later fault

5.60 m 1.6 m high oblique brittle fault photo 4

fault 5.6 late brittle truncates banding and schitosity 138-24 dip to north

below bedding is wavy 208-31

8.00 m prominent joint 011 57 E photo 5

10.36 m upper bedding 257-46 w phto 6

lower bedding 271-26 photo 7

clayey horizon weathering out between the two, height 2.1 m photo 8

clayey zone possible fault 259-20 lower in section below second bedding at 12.0 m second fault gouge truncating stratigraphy 265-27 photo 9

lower bedding 251-16 W has 2-3, 4-8 mm quartz veins oriented 233-22 in lithologic banding, no apparent cross cutting relationships

17.6 m axis 2-4 m fold open 256-13

20.0 m bedding 093-24

location 7072520 581559

banded ripped bedrock, quartz biotite hornblende

minor quartz veining trace pyrite

good appearance of garnets boudins showing stretching.

coarse medium grained schist unlike observed near river

July 7, 7 hours H. Veldhuyzen FEN 116

location 7072167 581851

by old push ramp, eroded bedrock massive, grey blocky, banding 057-14 fracture 041-90, has 10 to 1 mm quartz veinlet, quite planar, pyrite near contact 2-5% fine grained

6 mm black mineral that shows up in heavies tr-1% dark red garnets, rock strongly silicified, possibly tr fine galena

location 7072184 581884
silicified rock banding 341-04
10 - 20 cm quartz vein, fine pyrite 341-81, change of strike and dip upsection
grey coarse grained quartz assemblage, quartz hornblende garnet gneiss
bedding upper part 2 m above 1st 348-08
quartz vein development very late in joints or tension gnashed in competent rock, joints 101-68 S and 359-90

location 7072173 581916
20 M down the road well defined banding 320-34
joints 183-71 and 245-81

location 7072256 581921
banding 005 54

location 7072351 581947
along trail continuous face trending 015 degrees
banding 295-37 with wavy surfaces

location 7072384 581955
bedding 278-27
joint 196-74

location 7072390 581963
banding 265-19, thinner banding than before
fault contact across differences 244-22, muddy along fault trace, alteration, no apparent silicification

location 7072436 581980
fault? 075- 37, muddy cuts banding to north banding 252-12
some material moving down slope has pronounced lineation, in situ orientation unknown of angular cobbles and boulders

location 7072459 582001
outcrop massive, well banded, silicified, 7-9 mm banding, quartz in black massive rock. quartz amphibolite, fine to medium grade metamorphism, heavy rock, trace sulphide
foliation if present 195-13
along this stretch of trail old road,

location 7072517 582098
shallow banding white consistent 242-36 banding of quartz in country rock, pyrite 2-4 mm scattered boudined
joint 009 vertical

location 7072566 582201
banding 154-36, prominent,
very consistent joint? or fault? planes 028-86 and 345-90

July 7, 1 hour H. Veldhuyzen FEN 97
location 7072566 582305
continuous outcrop along trail, dip changes subtle as does strike to 206 24

location 7072545 582401
after jog in trail knob striking out in valley strong planar banding banding 223-21
joints 254-74 and 206-74
possible fault 218-19, muddy orientation, imprecise, cuts stratigraphy
banding east of possible fault 195-21

location
across a depression on down to near the river level, banded Klondike schist possibly less quartz rich than above

location 7072447 582622
big face where rip rap was collected, massive banded coarse scale242 by 24 mm

July 16, 1.5 days H. Veldhuyzen FEN 112
1 day McAdam @ $450/day
0.25 days H. Hettinga @ $150/day
location 7071347 582273
rock truck exposure
- detailed structural mapping of deformation in Klondike schist on exposed rock truck area, stereonets, map to be produced later

July 19, 1 hour H. Veldhuzyen FEN 1127
1 hour excavator and operator @ $150/hr
Location 7072454 580675
sample pit by Cam's cut
bedding 203-28
joint 130-85 not prominent
joint 078-77
lineation 289-21 to west
cleavage ? 195-18
has 2 mm stretched quartz veinlets bedding parallel

Aug 1, **1 hour** **H. Veldhuyzen** **FEN 146**
location 7069060 585870
bedrock overlooking upper Indian river, Upstream bench
Klondike schist, cleavage face in sheared bedrock
bedding 163-52
cleavage 170-71
joint 252-31

Aug 17, **2 hours** **H. Veldhuzyen** **PEBBLE 3**
location 7070751 584493
siltstone bedrock bedding 226-27

Aug 29 **1 hour** **H. Veldhuzyen** **FEN 33**
location 7070003 584481
old bulldozer trench with crumbly shaley fragments on bedrock surface, shale does not weather to mud unlike other areas, weathers

Aug 30, **1 hour** **H. Veldhuyzen** **PEBBLE 6**
1 hour excavator
location 7070285 584719
bedrock in excavated pits, light brown sandstone, bedding 228-24
fracture 360-57

Aug 31 **1 hour** **H. Veldhuzyen** **FEN 33**
location 7070004 584420
crumbly black to grey shale, breaks into cubic fragments, surface shallow dozer cut, does not weather to mud, local topo high flanking Diversion Creek

APPENDIX B – PITTING AND MAPPING NOTES

Recorded by Hendrik Veldhuyzen, BSc., MSc.
June 17 to September 06, 2005

Pitting expenditures were allocated on the basis of an average digging rate of 1 metre per hour which over time including moving from site to site, prep work, dealing with water inflow and/or frozen ground, etc was reasonable. The hourly rate charged for this work was $200 comprised of $50 per hour for H. Veldhuyzen (supervision and mapping), $125 per hour for the Hitachi 300 LX excavator (equivalent to local rental rates) and $25 per hour for the operator.

PEBBLE - 3

Pit: IRL-05-P-15 Location: 7070958.4 584627.5 4.7 m deep Aug 16
BEDROCK - Sandstone - tabular medium grained sandstone, quartz 85%, white euhedral mineral soft (kaolinite alteration of feldspar ??) 5-9%, red garnet 0-2%, black opaque 0-1%

Pit: IRL-05 P-25 Location: 7071043.7 584886.6 2.5 m deep Aug 29
BEDROCK - Siltstone - green-grey siltstone with apparent pebble to cobble horizon, may also be just on surface, no primary mineralogy, > 1mm observable in groundmass, frozen, thaws to soft greenish-grey sticky mud

PEBBLE - 4

Pit: IRL-05-P-16 Location: 7070662.5 584456.5 2.4 m deep Aug 18
BEDROCK - Sandstone - yellow brown sandstone, weathered to friable silty sand, sloping to the east toward Ruby Creek

Pit: IRL-05-P-17 Location: 7070440.6 584176.7 2.0 m deep Aug 23
BEDROCK - Siltstone - grey siltstone with ridges trending 032? Degrees, irregular relief, no garnets observed

PEBBLE – 5

Pit: IRL-05-P-14 Location: 7070903.9 585088.7 3.9 m deep Aug 15
BEDROCK - Siltstone - siltstone weathered to muck and silt, no apparent pebble or cobble horizon

PEBBLE - 6

Pit: IRL-05 P 29 Location: 7070645.2 584716.7 6.0 m deep Sep 6
BEDROCK - grey siltstone dipping down to north, strikes approximately 265 degrees from surface, very weak, quartz cobbles in siltstone as seen in IRL-04-02

FEN – 33

Pit: IRL-05 P- 27 Location: 7069952.9 584472.8 3.0 m deep Aug 31
BEDROCK - Sandstone - brown to greenish-brown weathered sandstone, soft, no apparent banding or cross features, bottom of pit flooded, not seen well

Pit: IRL-05 P 28 Location: 7070133.2 584470.1 1.8 m deep Aug 31
BEDROCK - Siltstone and Conglomerate - sandy siltstone yellow brown in colour with conglomeratic cobble horizons

FEN - 34

Pit: IRL-05 P-26 Location: 7070000.4 584594.9 3.0 m deep Aug 30
BEDROCK - Sandstone - greenish sandstone, weathered friable for 10 cm, low relief on bedrock surface

FEN - 64

Pit: IRL-05-P-18 Location: 7070328.6 584073.3 3.5 m deep Aug 24
BEDROCK+G186 - sandstone and conglomerate brownish

FEN – 66

Pit: IRL-05-P-06 Location: 7071566.0 583741.0 4.3 m deep Aug 06
BEDROCK - Siltstone Mudstone - weathered to clayey material

FEN – 93

Pit: Test # 6 Location: 7071620 582388 6 m deep Jun 25

FEN – 112

Pit: IRL-05-P-03 Location: 7071488.5 582228.3 3.0 m deep Aug 2
BEDROCK - Siltstone to Conglomerate - bedrock slopes down to the north, soft siltstone like layer on surface wit conglomerate pebbles below, examined two days later clearly conglomerate bedrock

Pit: IRL-04-P-04 Location: 7071485.4 582151.7 3.75 m deep Aug 4
BEDROCK - Shale to siltstone - rare conglomerate bed observed, weathers mostly mud

Pit: Test # 1 Location: 7071646 582219 6 m deep Jun 17

FEN - 113

Pit: IRL-05 T14 Location: 7071933 581432 5.6 m deep Jul 12
BEDROCK - weathered along irregular surface, grey colour, flagstones of schist lay flat from the subvertical bedrock orientation. Klondike schist with irregular quartz veining. Graphitic in part. Some bands are coarser grained near sandstone wacke that has weathered

Pit: IRL-05-P-05 Location: 7071888.0 581679.2 6.0 m deep Aug 4
BEDROCK - Schist - dipping steep, strike north - south, well foliated

FEN – 114

Pit: Test # 2 Location: 7071667 582235 6m deep Jun 19

Pit: Test # 3 Location: 7071693 582240 6 m deep Jun 19

Pit: Test # 4 Location: 7071709 582266 4.1 m deep Jun 24
Did not reach bedrock

Pit: Test # 7 Location: 7071675 582098 3.4 m deep Jun 25
RT cut area, 15-20 m from IRS-04-36
Bedrock, Cretaceous sediment - dark grey

Pit: Test # 8 Location: 7071697 582161 5 m deep Jun 25
RT cut area
Hard base suspect sandstone - schist, not block bedrock

Pit: Test # 9 Location: 7071722 582166 4.2 m deep Jun 25
RT cut area
Decomposed bedrock, weathered to orangey colour, soft

FEN – 115
Pit: IRL-05-T11 Location: 7072279 581370 0.5 m deep Jun 30
tailings pond
Slabby gneissic bedrock.

FEN – 214
Pit: IRL-05-P-12 Location: 7071426.1 585244.1 4.5 m deep Aug 12
Frost: limit of testing. Did not reach bedrock.

FEN – 305
Pit: IRL-05-P-13 Location: 7071458.0 584844.0 6.5 m deep Aug 14
Limit of sampling, sampling and excavation stopped because of increased slough and excavation infilling. Did not reach bedrock.

FEN – 346
Pit: IRL-05-P-09 Location: 7072022.9 584635.5 3 m deep Aug 9
BEDROCK - Siltstone - grey-green siltstone with subangular pebbles on weathering surface, estimated from depth of excavator bucket

Pit: IRL-05-P-10 Location: 7071873.4 584833.6 5.5 m deep Aug 10
BEDROCK - Schist or Dyke (more unlikely) - hard bottom with little apparent weathering, not well foliated

Pit: IRL-05-P-11 Location: 7071706.3 584694.5 4.6 m deep Aug 11
frozen, limit of testing did not reach bedrock

FEN – 348
Pit: IRL-05-P-07 Location: 7072066.7 584097.3 3.5 m deep Aug 7
BEDROCK - Siltstone

Pit: IRL-05-P-08 Location: 7072047.5 584361.5 3.45 m deep Aug 8
BEDROCK - Siltstone to Fine Sandstone - dark green to blue grey siltstone to fine sandstone with rare conglomerate horizons

FEN – 1127
Pit: IRL-05-P-01 Location: 7072363.0 580866.1 6 m deep Jul 18
BEDROCK - Schist -irregular relief in 25 to 40 cm depression

Pit: IRL-05-P-02 Location: 7072459.1 580668.8 7 m deep Jul 19
BEDROCK - Schist

FEN – 1128
Pit: IRL-05-T10 Location: 7072302 581331 1.3 m deep Jun 30
Did not reach bedrock due to water but slabby schist blocks revealed