YMEP #14-106

FINAL REPORT ON GRASSROOTS FUNDING

ON THE IEA PLACER CLAIM GROUP (11 PLACER CLAIMS)

MAP SHEET: 115O14F

CLAIM GROUP CENTER: 594460 E, 7083230 N, UTM ZONE 7

COMMODITY TARGET: PLACER GOLD

DATE: JANUARY 28, 2015

FUNDING RECIPIENT: ERIKA MITCHELL

REPORT PREPARED BY: IAIN MITCHELL, B.SC.

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EXECUTIVE SUMMARY

The IEA placer claim group consists of 11 placer claims on the right fork of the right most tributary to Little Blanche Creek in the Dawson Mining District on NTS map sheet 115O14f. The claims are 100 percent owned by Erika Mitchell who is also the applicant for funding. The lower 8 claims were staked from lease in 2013. Upper IEA claims 9, 10 and 11 were staked during summer 2014 as gold was discovered on the upper most claim in a bulk sample pit.

Little Blanche Creek and lower Quartz Creek are prolific placer producers, the source of which has been under investigation since discovery. Of particular note with these claims is that they are directly below and even intersecting with the Boy gold in soil anomaly. This area was identified as a 400 by 900 meter anomaly of 3 times the background Au values by Klondike Gold Corp in 2012 (see Klondike Gold Corp press release September 20, 2012: *Klondike Gold Samples 47.4 g/t gold and 894 g/t silver along the Violet vein trend*).

YMEP 14-106 work plan included 5 small bulk sample test pits and a trench. The work plan changed due to ground conditions and 19 test pits were completed while the test trench was not completed. The test pits were mainly placed adjacent to the road in the upstream portion of claims where it was prospective to do so based on the results of the above mentioned Boy soil anomaly. The test pits also test the area of the originally proposed trench.

Auger drilling was utilised in two areas were test pits were planned in the creek but were not possible due to ground conditions and the small size of excavator used on claims. Note that auger drilling was not expensed under this grant and was paid for by the owner of claims. Results of auger drilling are included in this report as the obtained information is pertinent to exploration conclusions and its inclusion abides by an intention of YMEP grants: to record and disseminate exploration results.

Results of the exploration program were initially encouraging with significant gold being recovered from bulk sample 1 (47 milligrams from 0.2 cubic yards). Subsequent results from test pits including a resample of the above were not encouraging. The resample of the first pit yielded only 13 milligrams and no other pit had greater than 5 milligrams (the standard sample size used was the basal 0.2 cubic yards from each 2 to 5 cubic yard pit). Auger drilling results in the creek were negative with almost no gold recovered from the three 2014 holes.

Overall the work program shows no economic concentrations of gold on IEA claims. The discussion section of this report discusses several observations that may be of use to other explorers looking for placer deposits adjacent to geochemical anomalies at the transition from illuvial to alluvial environs.

PROJECT LOCATION

The IEA placer claim group consists of 11 placer claims on the right fork of the right most tributary to Little Blanche Creek in the Dawson Mining District on NTS map sheet 115O14f. Three of these claims were staked during summer 2014 in a single day and costs of staking were not included in YMEP 14-106 as these were not within the original work plan. Figures 1 and 2 show the project location and claims and detailed claim information can be found in the below table:

TABLE OF IEA CLAIMS:

District	Grant No	Claim Name	#	Claim Owner	Recording Date	Staking Date	Claim Expiry Date	Status	Lease	NTS Map No
Dawson	P 515230	IEA	1	Erika Mitchell - 100%	25/06/2013	24/06/2013	25/12/2015	Active	ID01060	115O14f
Dawson	P 515231	IEA	2	Erika Mitchell - 100%	25/06/2013	24/06/2013	25/12/2015	Active	ID01060	115O14f
Dawson	P 515232	IEA	3	Erika Mitchell - 100%	25/06/2013	24/06/2013	25/12/2015	Active	ID01060	115O14f
Dawson	P 515233	IEA	4	Erika Mitchell - 100%	25/06/2013	24/06/2013	25/12/2015	Active	ID01060	115O14f
Dawson	P 515234	IEA	5	Erika Mitchell - 100%	25/06/2013	24/06/2013	25/12/2015	Active	ID01060	115O14f
Dawson	P 515235	IEA	6	Erika Mitchell - 100%	25/06/2013	24/06/2013	25/12/2015	Active	ID01060	115O14f
Dawson	P 515236	IEA	7	Erika Mitchell - 100%	25/06/2013	24/06/2013	25/12/2015	Active	ID01060	115O14f
Dawson	P 515237	IEA	8	Erika Mitchell - 100%	25/06/2013	24/06/2013	25/12/2015	Active	ID01060	115O14f
Dawson	P 516262	IEA	9	Erika Mitchell - 100%	06/08/2014	02/08/2014	06/08/2015	Pend	N/A	115O14f
Dawson	P 516263	IEA	10	Erika Mitchell - 100%	06/08/2014	02/08/2014	06/08/2015	Pend	N/A	115O14f
Dawson	P 516264	IEA	11	Iain Mitchell – 100%	06/08/2014	02/08/2014	06/08/2015	Pend	N/A	115O14f

Note: Claim IEA 11 is held by Iain Mitchell with ownership by agreement to Erika Mitchell.

PROJECT ACCESS, LOGISTICS, AND TIME LINE

The project has road access via the Bonanza or Hunker road with a turn off south to the Queen Dome road located approximately 1 km east of the heritage trail access on upper Bonanza Road (~5 km west of King Solomon Dome). The Queen Dome road access roads can be seen in the detail location map (figure 2).

Project access was improved with road repairs made to access the site. These improvements included significant brushing on the road on claims and Komatsu PC 75 midi excavator work from June 10 to 14, 2014 on the access road on IEA 6, 7 and 8 which was partly conducted under separate YMEP Grant 14-107 which also required access. This aspect of the grant was successful and road access for further work was completed although the road did require further work during the very wet 2014 Klondike summer to maintain truck access.

Road infrastructure was used to mobilise equipment to the site. Equipment mobilisation was conducted by Bonanza Sales and Van Every Trucking Ltd. The excavator was on site June 10 through 28, 2014 after which it required maintenance in Dawson City, and then remobilised to site July 21 where is remained until August 3, 2014. The Nodwell mounted 6 inch auger drill was utilised on IEA claims for a single day on July 26, 2014 after it had been utilised by separate grant YMEP 14-107.

Processing of samples was conducted intermittently from July 27 to September 6, 2014 and binocular microscopy and gold estimation of bulk sample heavy mineral concentrates was conducted on January 20 and 21, 2015. Drilling samples were panned and observed on January 25, 2015, these samples had partially been screened at site but it was still one very long and nearly goldless day. Note that drilling was not an approved expenditure in YMEP 14-106 so the drilling, associated wages, site processing, and panning were not charged to the grant.

PERMITTING AND REMEDIATION

The Owner was allowed to complete all work on claims under schedule 1 of the Mining Land Use Regulations and Mining Lands officer was consulted in early June before work commenced on claims. Road work was completed on placer claims (IEA 6, 7 and 8) and not on crown land. This was a positive synergy between YMEP 14-107 and 14-106, which both required the same access road repaired. A Waste Deposit without a Licence permit was obtained from the Water Board by the owner, Erika Mitchell, and was in effect from June 9 through October 15, 2014. This waste water deposit permit allowed for the use of the pump and Keen test sluice system.

The impact of the pits was minimal as most pitting was carried out adjacent to roads, or at sites where access to the creek was already available (14BS04). All test pits respected riparian setbacks and were filled in by excavator with the exception of one road pit which was forgotten until after the excavator was off site. This hole was filled in by hand. An attempted pit on claim IEA 7("the eyebrow pit") near the creek was abandon due to permafrost melting and the danger of damage to the creek caused by work proximal to the creek (as well as the high probability of the excavator getting stuck).

Impact of the three auger drill holes was minimal and all sites were cleaned up as they were vacated in a single day. Drilling was conducted away from the small creek to respect riparian setbacks. Access cutting was limited to a few trees in one location and was less than 5 metres wide by 5 metres long to allow the drill to move from the road the drill location along the creek.

FIGURE 1 LOCATION MAP

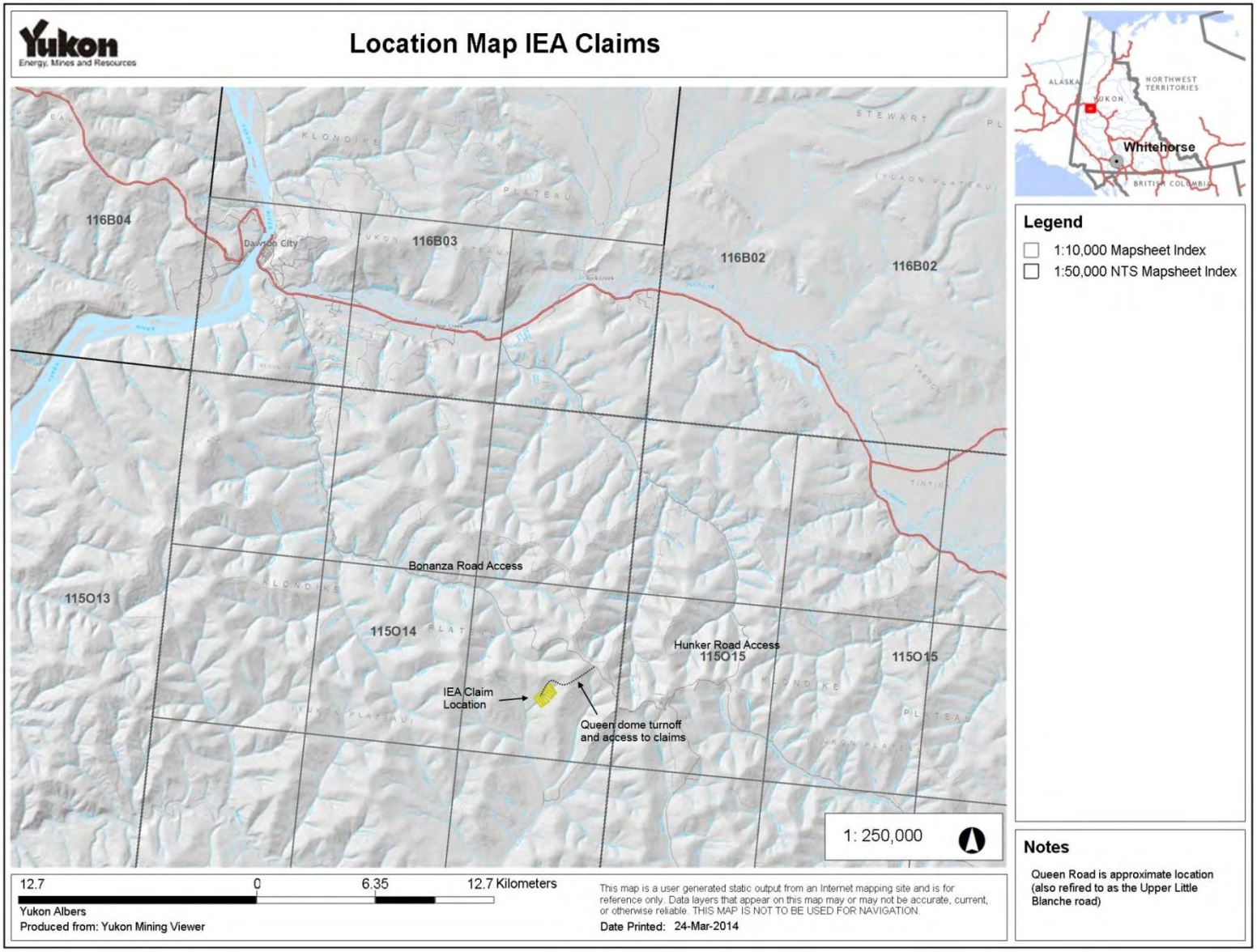
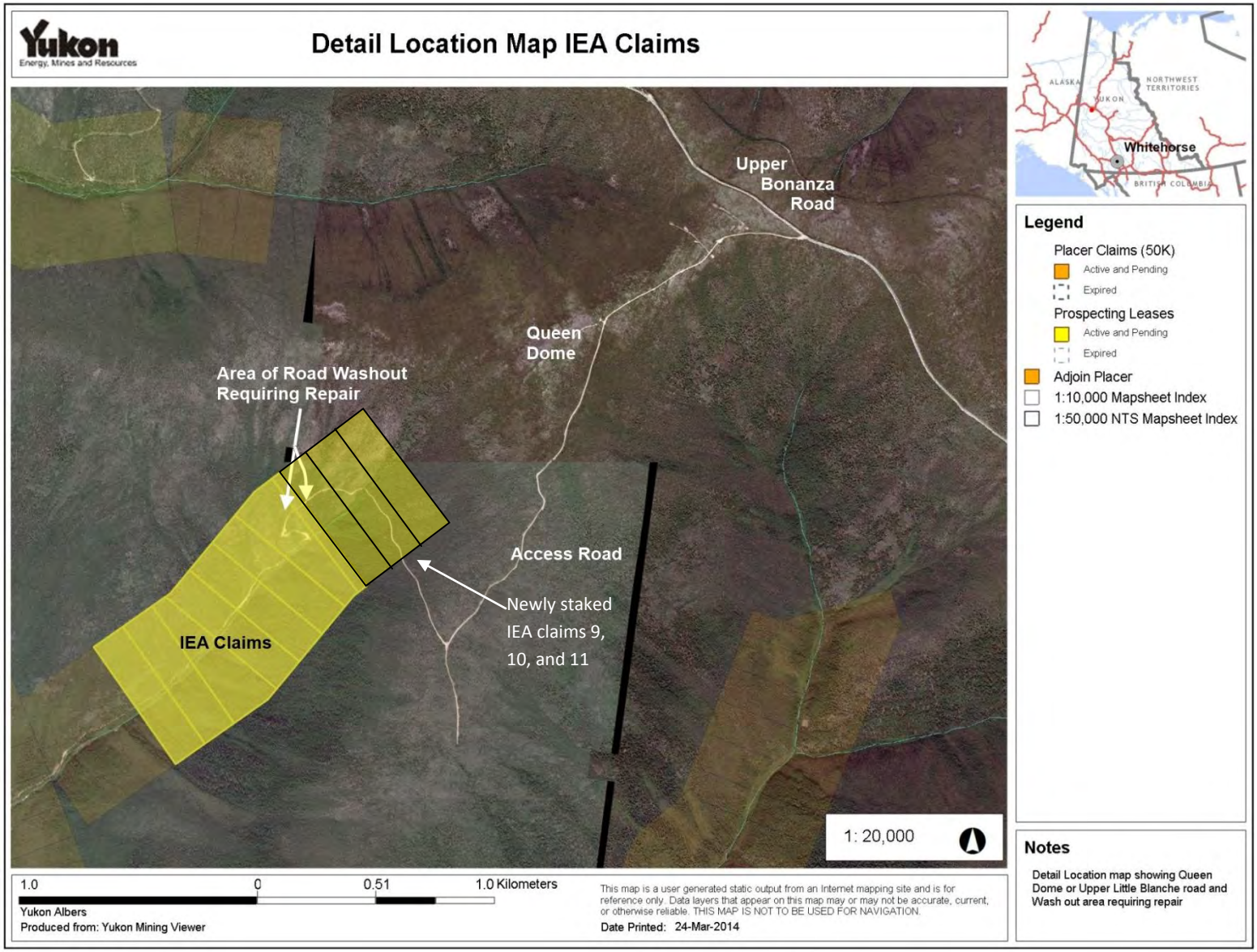


FIGURE 2 DETAIL LOCATION MAP



PROJECT AREA GEOLOGY, BACKGROUND, AND HISTORY

GEOLOGY OF THE CLAIMS

The project area geology is regionally mapped as Klondike schist (unit CPK1: Klondike Schist: tan to rusty and black weathering muscovitic and/or chloritic quartzite and quartz-muscovite-chlorite schist; quartz and/or feldspar augen-bearing quartz-muscovite (chlorite) schist; includes augen gneiss and amphibolite). Locally, on the road cut on Claim IEA 8, this unit is present and shows significant orogenic discordant quartz veining with trace sulphides. The unit is mica rich and quite friable in the road cut on claim IEA 8; while above (northeast of claims) in the area of the Queen Dome where exposure is also present the unit is blocky and more competent with significantly less quartz veining.

The slope above claim IEA 8 and through IEA 9, 10, and 11 is steep and characteristics of fast creep and minor slides are present. On claims IEA 7 and 8 to the sides of the creek slide, slump and wash out material of angular poorly sorted muscovite rich Klondike schist intermixed with pebble, cobble and boulders of quartz. The deeper creek bed is untested on claims IEA 7 and 8, however a shallow hand test pit dug in 2012 to apply work to the placer lease showed quartz cobble and boulder, one of which was crushed and panned yielding trace visible gold (>0.5 mm). No gold was recovered by panning the angular gravels this test pit which only reached a depth of 4 feet but trace gold was recovered the slide materials at the roadside were panned (<2kg yielding 2 colors).

PROJECT AREA HISTORY

Historical "old timer" workings are present in the area however these are undocumented as no reference to them was found in the literature and records search. Most of these historical workings appear to be to the margins of the creek however there is some evidence of old bulldozer pushes in the area of IEA claims 1, 2, 3, and part of 4.

Immediately downstream of the claims on the Discovery Claim (P43900) of the right fork and towards Little Blanche Creek there are workings and testing sites. The most recent workings are documented and that of B. Coombs and D. Tainer where testing was done in the area of the right and left fork confluence in the right tributary to Little Blanche Creek (Yukon Placer Industry 1998-2002 Report, Yukon Placer Mining Industry, 2003-2006). Results of this work are unknown, however the applicant conducted 3 auger drill holes in 2013 near the upper most test site and these did recover some gold. The applicant performed a total of 280 feet of auger drilling on the lower claims and at the Coombs and Trainer site in 2013. The result of the 2013 drilling program was positive with gold present in many holes and depth to bedrock in several locations on the claims determined.

Other important work related to the claims is a soil grid completed by Klondike Gold Corp in 2012 located above and on Claim 8. The gold in soil anomaly is described in the below excerpt from Klondike Gold Corp Press Release, September 20, 2012: *Klondike Gold Samples 47.4 g/t gold and 894 g/t silver along the Violet vein trend*.

"…The newly discovered Boy zone at the headwaters of Little Blanche creek was soil sampled by contractor Ground Truth Exploration Inc. Boy results show a strong north-south trending anomaly with a width of approximately 400 meters and a length of 900 meters (Figure 3) which is open to extension at either end. The anomaly shows an average 26.2 ppb Au over 108 samples with a spot high of 153.2 ppb Au, while all 524 samples in the dataset averaged 9.2 ppb Au. Initial site investigation shows lithological control on the gold occurrence and mineralised quartz veining in the area of the anomaly. Rock samples from limited outcrop, sub crop, and abundant float have been collected with results pending. Fine visible gold was observed from panned crushed quartz in the stream bed down slope of the anomaly and there are significant placer gold occurrences with active placer mining on Little Blanche creek. The Boy warrants trenching at the north end of the soil anomaly on an easily accessible ridge crest and is a high priority target for RC exploration drilling."

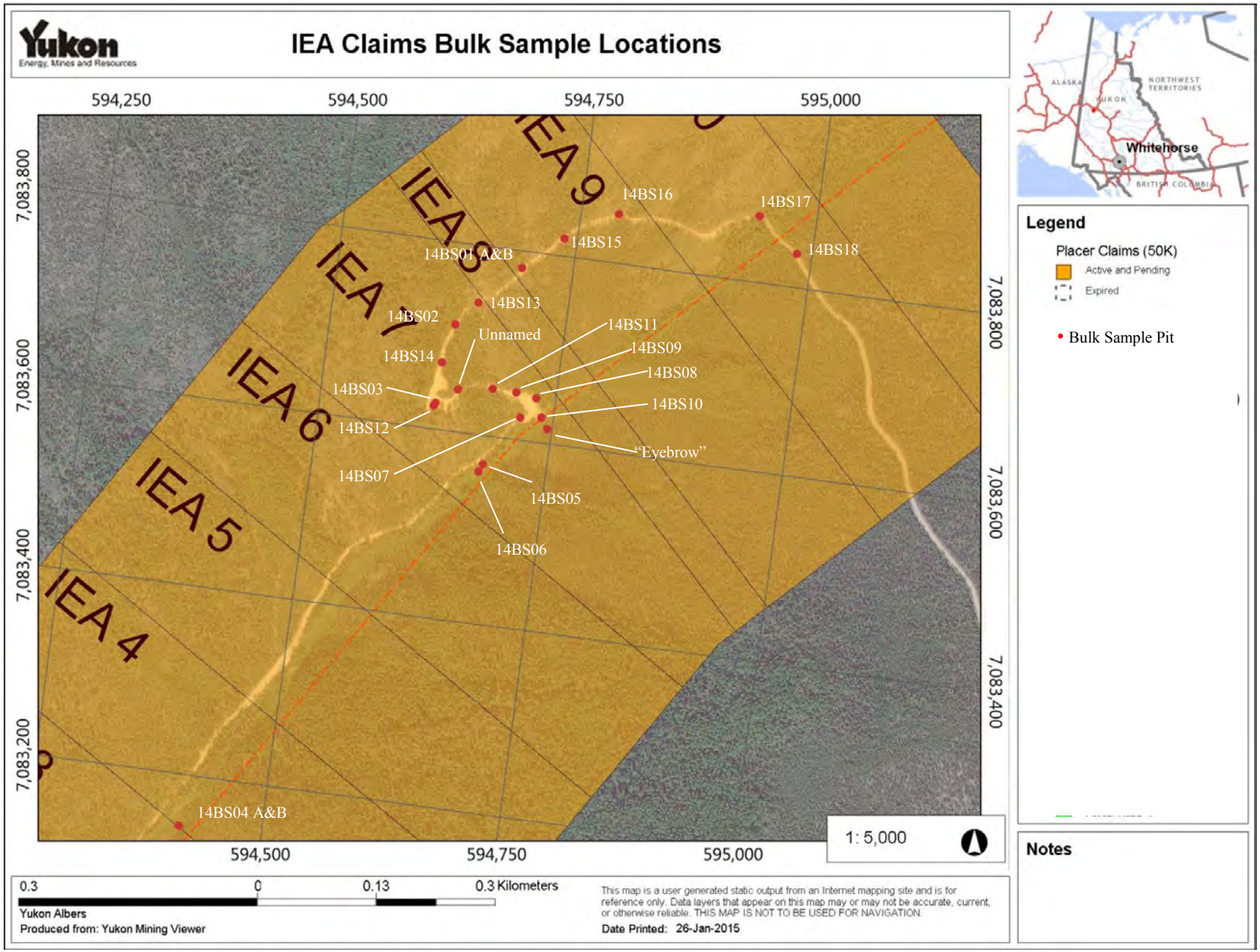
RESULTS OF TEST PITS

The YMEP application for the IEA claims was designed to prove the presence of economic quantities of placer gold on the claims and to understand the relationship of the assumed hard rock source (the Boy zone) to alluvial or illuvial gold deposits. To this end several test pits were planned on the claims as well as a test trench at the side of an existing road cut where slide, slump, and creep material meets the creek. In actuality test pitting in the creek was curtailed as the small size of the Komatsu PC 75 excavator and the prevalence of permafrost did not allow penetration of test pitting other than at site 14-BS-04 which was successful in digging and testing to a depth of 10 feet. An alternate plan for pitting was developed and it focussed on accessible prospective areas where the road intersected the boy soil anomaly(14-BS-01, -02, -03, -11, -12, -13, -14, -15, and -16) and at the closest edge of the creek to the road (14-BS-05, -06, and -10). The trenching program was not completed as the area of intersection of the boy soil anomaly with the creek was adequately covered with test pits (14-BS-07 through 14-BS-11). Alterations in the work plan were discussed over the phone by Iain Mitchell and Derek Torgerson, and the revised work plan verbally approved on or about July 30, 2014. In total 18 bulk samples were collected from 16 sites, 4 pits were dug or partially dug but not sampled (eyebrow pit, unnamed pit, 14-BS-17 and 14-BS-18). Bulk sample locations are shown in figure 3 and results are tabulated below. Pictures and observations are supplied in Appendix 2.

TABLE OF BULK SAMPLE RESULTS

Bulk Sample	Volume	Gold	Notes
BS1	0.2 y^3	47 mg	37 mg measured, 10 mg vf estimated
BS1 B upper	0.067 y^3	2 mg	
BS1 B middle	0.067 y^3	5 mg	
BS1 B lower	0.067 y^3	6 mg	
BS1 B Total	0.2 y^3	13 mg	
BS2	0.2 y^3	5 mg	
BS3	0.2 y^3	3 mg	
BS4 A	0.2 y^3	2 mg	10 ft
BS4 B	0.4 y^3	0.5 mg	7-9 ft
BS5	0.2 y^3	0.5 mg	2 col
BS6	0.2 y^3	4 mg	
BS7	0.2 y^3	nil	
BS8	0.2 y^3	nil	
BS9	0.2 y^3	nil	
BS10	0.2 y^3	0.5 mg	micro
BS11	0.2 y^3	nil	
BS12	0.2 y^3	nil	
BS13	0.2 y^3	nil	
BS14	0.2 y^3	nil	
BS15	0.2 y^3	0.5 mg	vfg micros
BS16	0.2 y^3	0.5 mg	vfg micros

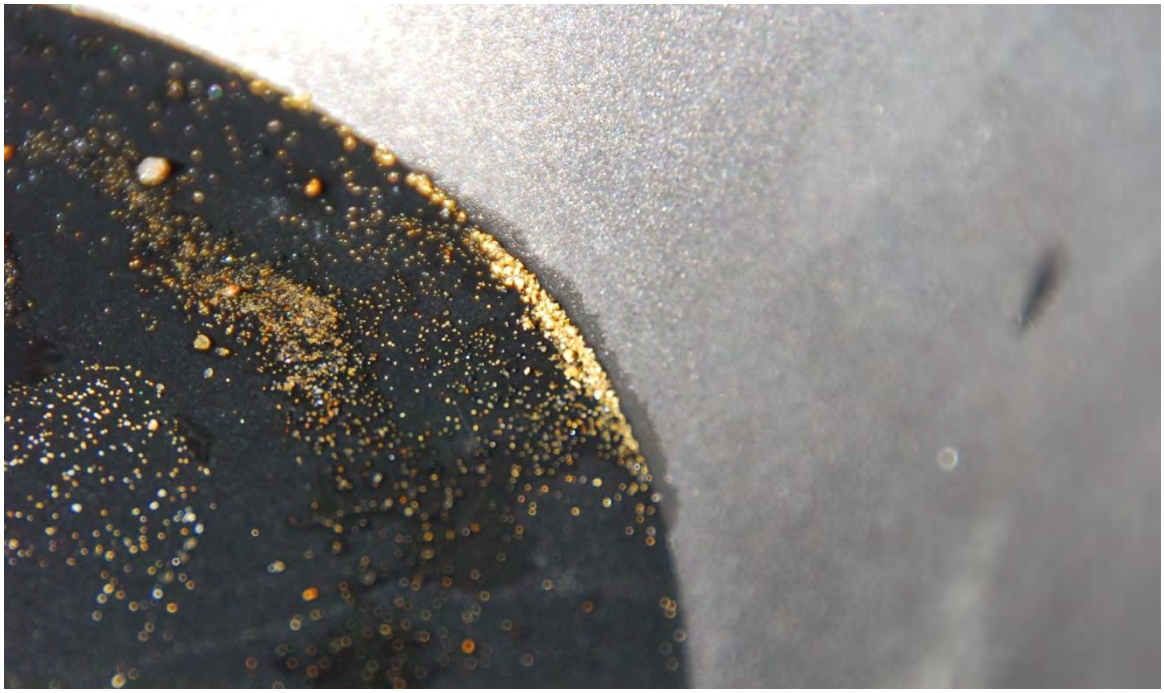
FIGURE 3: IEA CLAIMS BULK SAMPLE LOCATIONS



The best result of YMEP 14-106 was the first bulk sample taken 14-BS-01 with 47 milligrams recovered from 0.2 cubic yards (figure 4). This equates to 0.235 grams of gold per yard or around $US 10 per yard based on $US 1280 gold. This is half the concentration required for economic values of gold and this was encouraging to the project. This sample was repeated and recovered only 13 milligrams of gold. There are two possibilities for this discrepancy:

1) The nugget effect
2) The Keene sluice used to process the sample 14-BS-01 may have been contaminated by an old mat that was used. All subsequent samples used a new mat. Note that grain morphologies of 14-BS-01 and 14-BS-01A were nearly identical and the mat was cleaned meticulously prior to use.

FIGURE 4: 47 MILLIGRAMS OF GOLD IN SAMPLE 14-BS-01



The results of 14-BS-01 and 14-BS-01B were a high point of the program. No subsequent sample had more than 5 milligrams of gold, with samples 14-BS-07, -08, -09, -11, -12, -13, and -14 containing no gold. Sample 14-BS-04 A and B totaled 0.6 cubic yards, was the only sample from the center of the creek and the total gold recovered was 2.5 milligrams.

Most test pits were dug by Erika Mitchell the owner (figure 5).

RESULTS OF AUGER DRILLING

With the failure of most test pits in the creek the owner and author of this report decided to also conduct limited auger drilling in the areas of two of the previously proposed test pits. Auger drilling was not approved or expensed under this grant and machine time and wages were paid for by the owner of claims. Results of auger drilling are included in this report as the obtained information is pertinent to exploration conclusions and its inclusion abides by an intention of YMEP grants: to record and disseminate exploration results.

Auger drilling was completed by driller Bruce Duffy, helper and logger Katie Dodd, with about a half day of support from Iain Mitchell. In total 84 feet was completed over three holes on July 26, 2014. The progress of drilling and

recovery was generally good. All holes were drilled to bedrock; hole 3 was relatively wet and may have had poor recovery during the final run.

Auger drilling results were very disappointing with trace gold recovered from holes 14-IEA-01(1 mg) and 14-IEA-03 (<1 mg). No gold was recovered from 14-IEA-02. Auger drill hole locations are shown in figure 6 and hole logs and tabulated results can be found in Appendix 3.

FIGURE 5: PIT EXCAVATION

SAMPLE PROCESSING

Bulk samples were taken from on or in bedrock were possible, holes generally required excavation of 1 to 5 cubic yard to reach target depth. A standard manageable bulk sample size of 0.2 cubic yards (8 “buckets”) was then

bagged or bucketed for processing. Samples were processed in a Keene Sluice with feeder box sprayer fed by a 2 by 1-inch Powermax gas pump (figure 6). The Keene grizzly bars in the feeder box were around three quarters of an inch but elongate clasts of up to 3 inches often passed through. Samples were fed by hand and generally took about 2.5 hours to sluice. The sluice was then emptied into clean Rubbermaid containers and later panned by hand. Several samples were double panned to confirm recovery, and gold was not present in any pans of the tailings.

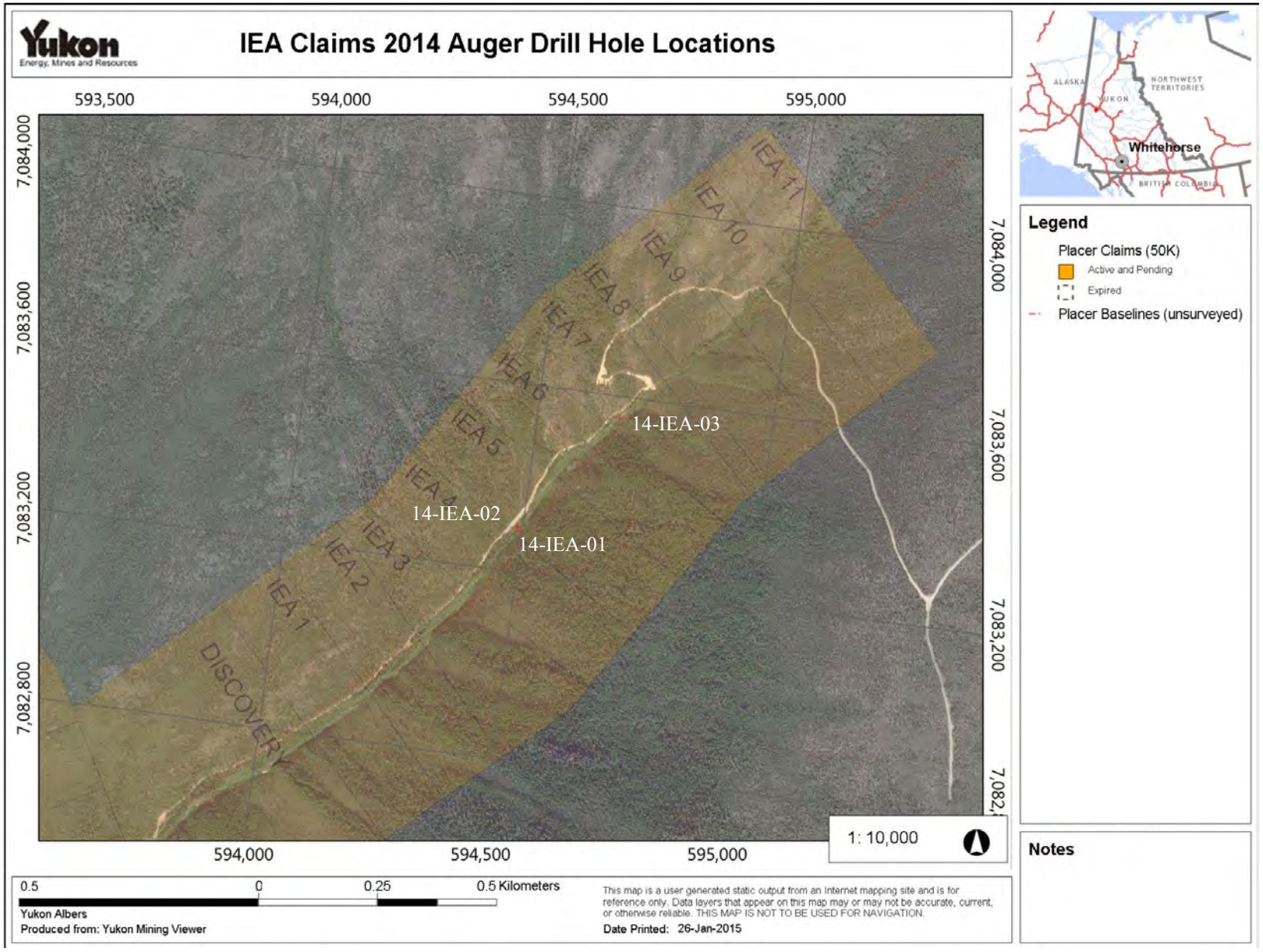
A serious error was made on the first sample in not buying new matting. The Keene sluice used to process the sample 14-BS-01 may have been contaminated by an old mat that was used. Grain morphologies of 14-BS-01 and 14-BS-01A were nearly identical the mat was cleaned meticulously prior to use. The difference between repeat samples (47 milligrams vs. 13 milligrams) can be attributed to irregular gold distribution, however all subsequent samples used a new mat.

Drill samples were processed by first washing and screening to 4 millimeters and then hand panning. All samples from all holes were processed. Washing and screening was necessary as much of the material was silt rich and was not amenable to direct panning. Sample recoveries were generally good and large samples were obtained. Screening and washing was labor intensive and slow. Several samples were double panned to confirm recovery, and gold was not present in any pans of the tailings.

Final gold determination was made under binocular microscope. An AWS Gemini-20 portable milligram scale was used for gold weights. This scale registers to 1 milligram however accuracy is to 5 milligrams so low gold weights recovered in this project may have significant error. This error would not affect the conclusions of this exploration project as results are usually an order of magnitude below economic grades for placer gold mining. Some gold weights below 4 milligrams were estimated where it was difficult to weigh extremely fine gold.

Figure 6: The Sluice with Free Labor and “Micro” Excavator Operator

FIGURE 6: IEA CLAIMS 2014 AUGER DRILL HOLE LOCATIONS



DISCUSSION

Overall the 2014 exploration results on IEA claims were low in gold with many bulk samples and drill holes yielding effectively no gold. The owner is however pleased with the decision to drill as it has stopped the owner from spending more money on a poor target.

If the only results were the bulk samples, especially with a near economic result in illuvial material (BS1), it does stand to reason that there should be a higher concentration in the creek. This reasoning would, however be flawed as there is in fact very little gold in the creek base on result of testing. The author believes this is the case due to the overall dilution of the gold bearing illuvium covering about 25 percent of the catchment area versus the non gold bearing material (75 percent of the catchment area). As most of the creek appears to be moving in creep and slump this would dilute the gold washing off the Boy soil anomaly to very low levels.

Most drill holes and pits did not encounter a sharp transition to solid bedrock but rather gradation into very fine mica and clay rich decomposed bedrock (mushy slippery stuff). This could act both a cap through which gold can't penetrate and as a slide which carries it below the IEA claims. The best results of 2013 auger drilling by the owner and author in the area were on the claims below the IEA group, which were drilled with permission from the owner and possibility of optioning those lower claims.

It was noted in 14-BS-05 and 14-BS-06 at the edge of the creek that gravel seams made about 20 percent of the profile with the remainder being low energy deposition of silt, clay and organics. There was initial encouragement in 14-BS-04 where gravel seams made up to 75 percent of the profile. However even this area did not seem to have enough energy to concentrate gold as seen by the low results of 14-BS-04 and Auger drill holes 14-IEA-01 and 14-IEA-02.

Test pits in the area of the transition from illuvial to alluvial deposit where the trench was planned showed that this transition is quite abrupt. The profiles of the pits at the 14-BS-10 and 14-BS-08 illustrate this best where the former is an alluvial profile of washed red gravel overlain by road bed waste (not moved there by the owner and likely the result of historical road building) and the profile of the later is illuvial with B and C soil horizon with evidence of creep descending into orange to bright orange decomposed muscovite quart schist bedrock. The two profiles are only about 8 metres apart.

Upon reviewing results the owner decided not to complete 1DX2 geochemical assays on sub samples of the bulk samples. The results of the bulk sample were discouraging enough that there was no need to further investigate them. The original plan for this was designed to ascertain if there was a portion of the gold in samples that was not amenable to capture by gravity methods. This is likely true, however the owner does not want to put any more financial inputs into what is obviously a dead project. If the YMEP reviews this and believes that it is necessary to perform these assays to complete the YMEP the owner will do so and supply the results as an addendum to this report.

CONCLUSIONS

The 2014 exploration results on IEA claims do not warrant further testing by the owner. It is hoped that some of the information and conclusions regarding the relationships of illuvial and alluvial gold close to a source will be of use to other operators.

The owner would like to thank the support of the YMEP program and the YGS, especially Derek Torgerson for direction, support and flexibility. The support and labour of Brian and Elaine Tamboline and Katie Dodd were greatly appreciated during the project. The YMEP process was a positive experience although results of exploration were disappointing to the owner.

REFERENCES

Klondike Gold Samples 47.4 g/t gold and 894 g/t silver along the Violet vein trend. Klondike Gold Corp press release. September 20, 2012:

Mining Inspection Division, 2003. Yukon Placer Industry 1998-2002. Mineral Resources Directorate, Yukon Region, Indian and Northern Affairs Canada, 214 p.

Yukon Placer Mining Industry 2003-2006. W.P. LeBarge and C.S. Welsh (compilers), 2007.Yukon Geological Survey, 235 p.

APPENDIX 1: STATEMENTS OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

ERIKA L. MITCHELL, MINING TECHNOLOGIST

373 EAGLES NEST ROAD, BOWEN ISLAND, BC, V0N 1G1

1. I am a Graduate in Mining Technology of the British Columbia Institute of Technology (BCIT), 2006.
2. I have worked in mineral exploration, open pit and underground mining since 2005.
3. I am the owner of IEA Claims 1 through 11.
4. I have reviewed this report that was completed by I. Mitchell.

January, 2015

Erika L. Mitchell, Mining Technologist.

STATEMENT OF QUALIFICATIONS

IAIN MITCHELL, B.SC.

373 EAGLES NEST ROAD, BOWEN ISLAND, BC, V0N 1G1

1. I am a Graduate of The University of Waterloo, 2000, with a Bachelor of Science Degree from the Department of Earth Science in the specialty of Geology with Honors.
2. I am in the process of applying for professional status with the Association of Professional Engineers and Geoscientists of BC.
3. I have worked in the mineral exploration industry since 1994.
4. I have devised, conducted, and supervised mineral exploration programs in the Yukon since 2012.
5. I completed this report in cooperation with Erika Mitchell, the owner of the IEA claims.

January, 2014

Iain Mitchell, B.Sc.

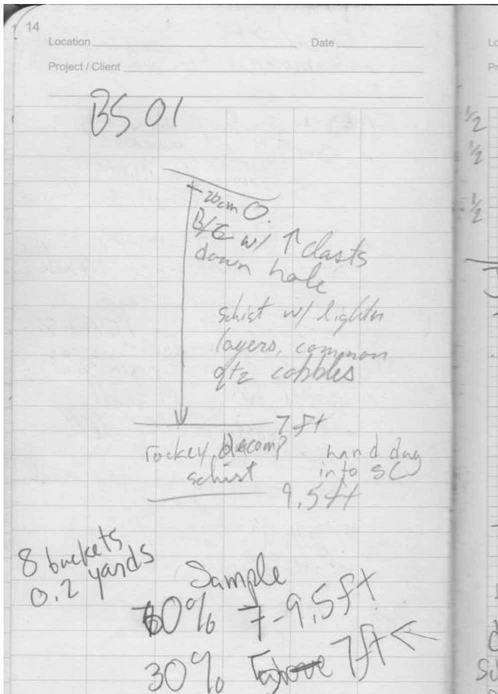
APPENDIX 2: IEA BULK SAMPLE RESULTS AND INFORMATION

IEA 2014 Bulk Sample Test Pits

Name	Description	Easting	Northing	Elevation
14BS01	8BUCKET	594695	7083782	874
14BS02	8BUCKET	594631	7083705	851
14BS03	ROADSCRAPE 8BUCK	594622	7083628	844
14BS04	Test pit at 13-IEA-10	594411	7083147	740
14BS05		594681	7083568	768
14BS06		594678	7083561	791
14BS07		594714	7083624	813
14BS08		594728	7083646	819
14BS09		594706	7083650	818
14BS10		594737	7083626	803
14BS11		594681	7083650	820
14BS12		594620	7083626	828
14BS13		594654	7083738	849
14BS14		594623	7083671	836
14BS15		594735	7083819	868
14BS16		594790	7083852	883
14BS17		594938	7083870	908
14BS18		594984	7083834	917
Eyebrow pit		594744	7083615	812
No tag, pit not sampled		594644	7083645	824

IEA Bulk Sample Results

Bulk Sample	Volume	Gold	Notes
BS1 A	0.2 y^3	47 mg	37 mg measured, 10 mg vf estimated
BS1 B upper	0.067 y^3	2 mg	
BS1 B middle	0.067 y^3	5 mg	
BS1 B lower	0.067 y^3	6 mg	
BS1 B Total	0.2 y^3	13 mg	
BS2	0.2 y^3	5 mg	
BS3	0.2 y^3	3 mg	
BS4 A	0.2 y^3	2 mg	10 ft
BS4 B	0.4 y^3	0.5 mg	7-9 ft
BS5	0.2 y^3	0.5 mg	2 col
BS6	0.2 y^3	4 mg	
BS7	0.2 y^3	nil	
BS8	0.2 y^3	nil	
BS9	0.2 y^3	nil	
BS10	0.2 y^3	0.5 mg	micro
BS11	0.2 y^3	nil	
BS12	0.2 y^3	nil	
BS13	0.2 y^3	nil	
BS14	0.2 y^3	nil	
BS15	0.2 y^3	0.5 mg	vfg micros
BS16	0.2 y^3	0.5 mg	vfg micros



14
Location
Date
Project / Client

BS 01

20cm O.
B/E w/ ↑ clasts down hole

schist w/ lighter layers, common qtz cobbles

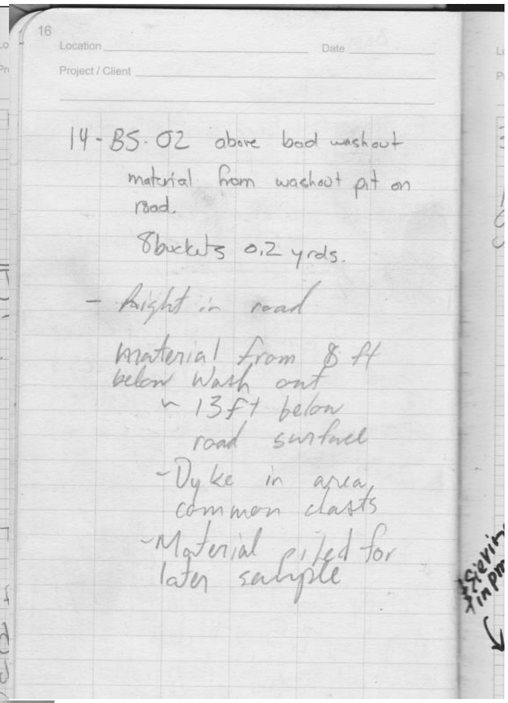
7 ft

rockey, decomp schist
hand dug into SC

9.5 ft

8 buckets 0.2 yards

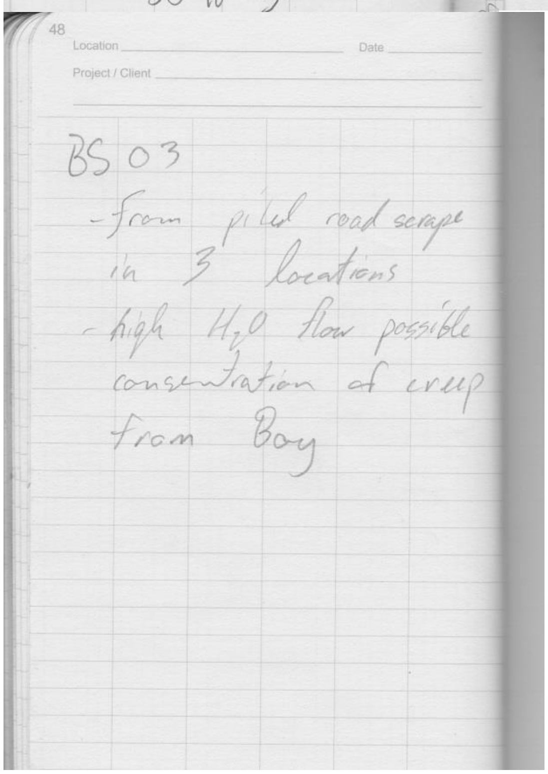
Sample
60% 7-9.5 ft
30% ~~above~~ 7 ft



16
Location
Date
Project / Client

14-BS-02 above bad washout
material from washout pit on road.
8 buckets 0.2 yrds.

– Right in road
Material from 8 ft below wash out
~ 13 ft below road surface
– Dyke in area, common clasts
– Material piled for later sample



48
Location
Date
Project / Client

BS 03
– from piled road scrape in 3 locations
– high H_2O flow possible consentration of creep from Bay

BS04

20

Location ______ Date ~~KD~~

Project / Client ______

Aug 1, 2014

KD

IM

BS 05 ← in stream / side

- 0 – Organics
- 1 } Decomp Organics
- 3 Y-Br decomp schist (soft MQS)
- 6
- 6.5 → Red ox Gravel seam
- → gBr-decomp schist (soft MQS)
- 8 ft
- 9.5 ft ↓ increasing clast size sub crop? or lower gravel layer

21

Location ______ Date ______

Project / Client ______ Scale ______

BS 06 in stream / side to middle

- 1 – Oragnics & decomp organics
- 2 → 1-Angular to subangular gravel up to 20% qtz (Red ox gravel)
- 4 Black decomp organics
- 5 → Red gravel - mostly pebble 60% but some cobble and boulder size pieces
- ~~7~~
- 8 → Black decomp organics w/ wood
- Eoh 9 ft → Gravel Red

22

Location IEA Date Aug 2

Project / Client Road Pits

→ K. Dodd Sampling & Moving Material to Sluice site.

→ I. Mitchell - Excavator Operator & Sampling

BS 07

- Aprox 11 ft deep to surface provide
- 10 ft to rd cut deep
- lith: ~~M~~ MQS decomp or-br
  - minor layers of green decomp schist
- Very bottom of hole is rusty br
- low Qtz in hole **07**

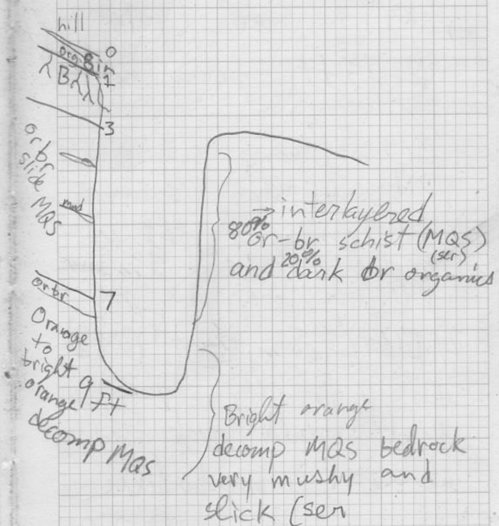
BS 08

23

Location ______ Date ______

Project / Client ______ Scale ______

BS 08



24 Location ______ Date Aug 2
Project / Client ______

BS 09

- 8-9 ft hole likely
12-15 ft below natural surface

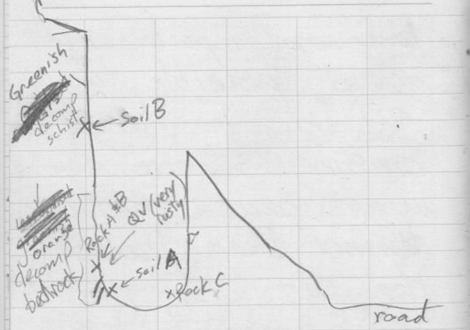
OC - Decomp schist w/ QV 2-10% py

2 obvious QV phases
1) brittle friable 5% weathered py on margins of;
2) More competent Qtz

Note brittle Qtz 2-5 cm thick would break down almost immediately.

Go to P. 26

26 Location ______ Date ______
Project / Client ______



Rock Samples
14 BS 09 A - Friable Qtz 10% py

B - Comp Qtz w/ minor friable Milkey white 4% py

C Mix of above w/ ~~increase~~ py to 5% from dif spot

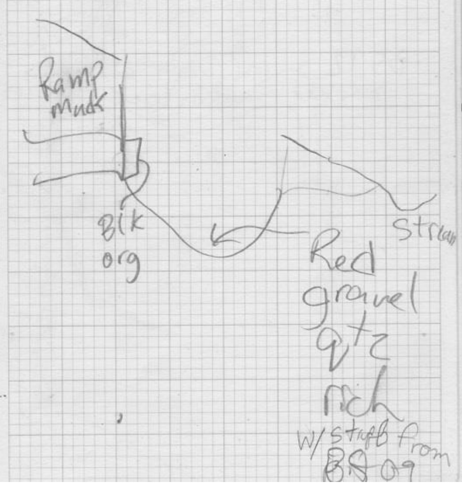
Soil A - Lower (Rock Soil)

B - Upper (Decomp Schist)

Location ______ Date ______ 29
Project / Client ______
______ Scale ______

BS10

on Ramp down to stream



BS11

Location

Date Aug 3/14

Project / Client

BS -13

≈ 20ft from vegetation.

A samples from depth (possibly below bedrock)

B samples from center of pit.

BS-14 ≈ 12ft above S curve washout area

between #12 & #2

Location

Date Aug 3

Project / Client

Scale

BS-15 → 5m from Ground truth ~~XXX~~ 874

→ 6in O layer

4ft B & upper C (some slide organics

→ C bedrock interface

6ft

Bedrock MQS decomp to pink

11ft

Aug 3. Ex went all the way down hill to muck spot since mix up: there about ...

Location

Date

Project / Client

BS-16

6ft hole.

- <1" vegetation
- 12" O (brown soil)
- 2ft Orangey brown
- 6" Orange
- 3ft Light gray to mottled orange.
- Drk orange w/ gray clasts.

Location

Date

Project / Client

Scale

BS-17

On claim line in imaginary creek bed (too high for flow

- In Dyke material
- Sub crop
- ~~0~~5 bags 40L sieved material
- 1 Bag 40L Not sieved material

BS 18

8ft Schist C horizon

& interface?

Bulk Samples to process as of late August

APPENDIX 3: IEA CLAIMS 2013 AUGER DRILLING LOGS

IEA Drilling Results

Hole	Bag	Gold	Notes
14-IEA-1	1	nil	
14-IEA-1	2	nil	
14-IEA-1	3	nil	
14-IEA-1	4	nil	
14-IEA-1	5	1 mg	2 micros
14-IEA-1	6	nil	
14-IEA-1	7	nil	
14-IEA-1	8	nil	
14-IEA-1	9	nil	
14-IEA-2	1	nil	
14-IEA-2	2	nil	
14-IEA-2	3	nil	
14-IEA-2	4	nil	
14-IEA-2	5	nil	
14-IEA-2	6	nil	
14-IEA-3	1	nil	
14-IEA-3	2	nil	
14-IEA-3	3	0 mg	vfg micro
14-IEA-3	4	nil	
14-IEA-3	5	nil	
14-IEA-3	6	nil	
14-IEA-3	7	nil	BR pry schist

Hole 14-IEA-01 594495 E 7083286 N 755 m

Date	Hole	Depth	Description
26/07/2014	14-IEA-01	0-1	Organics
26/07/2014	14-IEA-01	1ft	permafrost
26/07/2014	14-IEA-01	1-5	Bag 1. Grey frozen clay with 5% gravel seams. Gravel with pebbles to cobbles. Subangular to subrounded clasts
26/07/2014	14-IEA-01	6ft	Gravel - orange, 2-4mm clasts and 4-10cm cobbles
26/07/2014	14-IEA-01	5-13ft.	Bag 2. upper part of run orange gravel. Changes to coarser grey material - put grey sample in Bag 3
26/07/2014	14-IEA-01	5-10ft	orange gravel
26/07/2014	14-IEA-01	8-12ft	Thawed section
26/07/2014	14-IEA-01	10-15ft	brown muddy gravel
26/07/2014	14-IEA-01	15ft	rods jumping
26/07/2014	14-IEA-01	22ft	Bag 4, added rods, then pulled rods - wt pebbles, orange gravel at
26/07/2014	14-IEA-01	24	Water coming out of hole
26/07/2014	14-IEA-01	26	bedrock - red lay muck with angular clast
26/07/2014	14-IEA-01	22-27ft	Bag 5 - gravel and hit the bedrock transition. Bag 6 - Bedrock
26/07/2014	14-IEA-01	27-28ft	Bag 7 - sampled bedrock, gravel downhole
26/07/2014	14-IEA-01		Bag 9 - washed off bit
26/07/2014	14-IEA-01		Bag 8 Remnant sample from around drill hole EOH 28ft
	14-IEA-01	EOH 28 ft	

Hole 14-IEA-02 594488 E 7083296 N 738 m

Date	Hole	Depth	Description
26/07/2014	14-IEA-02	0-2	Overburden and sandy brown soil
26/07/2014	14-IEA-02	3ft	Bag 1. Pebbles and cobbles in red brown sandy soil. 1mm-5cmclasts. Subangular to subrounded.
26/07/2014	14-IEA-02	3-5ft	Bag 2 - browner material at 4ft. Same sandy matrix as above
26/07/2014	14-IEA-02	6ft	went through frost layer
26/07/2014	14-IEA-02	10-15ft	Bag 3 - Darker brown wetter coarser material. 1mm-5cm clasts
26/07/2014	14-IEA-02	11ft	drill jumping, dropped to 13ft. Increased gravel content in sample in Bag 3, wet at bottom of sample
26/07/2014	14-IEA-02	20ft	hit rock, fast drilling
26/07/2014	14-IEA-02	21ft	Water coming out of hole
26/07/2014	14-IEA-02	15-23ft	Bag 6 - muddy red clay. Bedrock material with gravel. EOH 23ft
26/07/2014	14-IEA-02		Bag 5 - extra sample. Started in gravel after 15ft.
	14-IEA-02	EOH 23 ft	

14-IEA-03 **594672 E** **7083551 N** **790 m**

Date	Hole	Depth	Description
26/07/2014	14-IEA-03	0-1ft	Organics
26/07/2014	14-IEA-03	3ft	Very wet brown clay muck with gravel
26/07/2014	14-IEA-03	5ft	Bag 1 - clasts in brown mud
26/07/2014	14-IEA-03	8-9ft	soupy material - mostly liquid, tried to get as much sample as possible but some ran down hill
26/07/2014	14-IEA-03	9ft	drill jumps
26/07/2014	14-IEA-03	10-13ft	Bag 2 - soupy sample, brown mud
26/07/2014	14-IEA-03	13ft.	Bag 3 - hit rocks, drill jumps
26/07/2014	14-IEA-03	15-18ft	Water coming out of hole
26/07/2014	14-IEA-03	18-20ft	Bag 4 - red clay with clasts, drill jumping at 20ft
26/07/2014	14-IEA-03	23ft	Pulled rods and sampled - fast drilling in clay muck
26/07/2014	14-IEA-03	15-23ft	Bag 5 - sample off of flights to 15ft as rods pulled. Red colour
26/07/2014	14-IEA-03		Bag 6 - sampled at colour change. Still same material as all rods
26/07/2014	14-IEA-03	23-33ft	Bag 7- Added two rods and drilled to 33ft. Bag 7 is all material that came off of rods when we pulled after 33ft. Started to hit bedrock at 23ft, bedrock at 25ft. Red gravel plus bedrock - red
	14-IEA-03	EOH 33 ft	

APPENDIX 4: DAILY LOGS

June 7, 2014

On Site: Erika Mitchell (0.5 day), Iain Mitchell (0.5 day)

Activities: Site assessment

16 trees on road to parking above washout, Washout is up to 4 ft deep with worst areas on upper IEA road near claim 8 and 7, Intermittant washout through Claim 6. Three small samples taken for kicks in washout area where it look like there was a lot of water flowing (5 kg each in A, B, and C), no Au. Pretty had waling day to get all the way to IEAE claims from above the washout.

June 10, 2014

On Site: Erika Mitchell (1day), Iain Mitchell (1day)

Activities:Mobe PC 75 uu to site

Iain Drove the Bonanza sales F450 with the trailer and excavator, Erika was support in the F350. Excavator had to be unloaded twice (Queen Dome turnoff, steep section of Queen Dome road) to get close to claims and it was good to have the F350 there. Still will require 1 km walk to claims from unload spot. Freaky going down last steep area of queen dome road before turn around, don't do that area again with a trailer.

June 11, 2014

On Site: Iain Mitchell (.5day Split cost with YMEP 14-107)

Activities: Road work with PC 75 uu

Walked in excavator, but had issues with swing brake warning lights, hydraulic level, and track tension. Wasted some time trying to figure it out but later when back in Dawson Roland said not to worry about it and gave me an extra pail of hydraulic oil to top it up. Got the toad pushed to the turn around which will make access easier for tomorrow.

June 12, 2014

On Site: Iain Mitchell (.5day Split cost with YMEP 14-107)

Activities: Road work with PC 75 uu

Pushed road to the switch back today, did one pit on road (8ft to soft br schist bedrock) for later testing (Note this was relabelled BS2). Checked hydraulic oil and it was down a bit but can't see any major leaks, so just topped it up.

June 13, 2014

On Site: Eirka Mitchell (.5day Split cost with YMEP 14-107), Iain Mitchell (.5day Split cost with YMEP 14-107)

Activities: Road work with PC 75 uu, brushing and road fall clearing

Erika pushed road to edge of IEA 7. Iain cleared fallen trees over road through IEA 7 with chainsaw. Piled road wash scrape in 3 piles for later sampling (note this became BS3).

June 14, 2014

On Site: Iain Mitchell (.5day Split cost with YMEP 14-107)

Activities: Road work with PC 75 uu, brushing and road fall clearing

Completed rough road repairs through all IEA claims, and chainsawed downed trees through the Discovery claim, a very long day. Punctured right from tire on the way off claims but it was a slow leak so I made it back to town OK (this became a $400 bill as it was in the sidewall and dawson prices were steep to find a matching tire size).

June 22, 2014

On Site: Eirka Mitchell (1day), Iain Mitchell (1 day)

Activities: Pitting with PC 75 uu, cutting access to creek

Iain Cut access for the excavator (it was wider than the drill that was in the same location last year). Erika the excavator to the test site though some steep and rough ground and started digging to clear vegetation to allow permafrost to melt. Set up the sluice but the hole was stopped at about 3 ft be permafrost so we just panned a bit of top material (no Au). We planned of a successive strip of the vegetation(Note this location was named BS04). Excavator required more hydraulic oil and we tightened the boom piston hose line, stall can't see an obvious leak but it is getting worse.

June 28, 2014

On Site: Eirka Mitchell (1day), Iain Mitchell (1 day)

Activities: Pitting with PC 75 uu, mobe out PC 75 uu for maintenance

With the hydraulic leak getting worse the excavator was mobed out for maintenance, Erika and Iain both took turn driving the truck and excavator out and it took all day to get it to a pick up spot, a mobe of about 5 km. 3 pits were dug along the way and two of these were later labelled as bulk samples along the road. The leak go worse and became visible as a leaking track hose, we barely got the machine out.

July 20, 2014

On Site: Eirka Mitchell (0 day), Iain Mitchell (0 day), Katie Dodd (0.5 day)

Activities: PC 75 uu, mobe in

Katie Dodd's first day on site was walking the excavator into the switchback which took about 4.5 hrs. Iain and Erika were on site but were not working IEA claims (brushing and access for a different grant)

July 23, 2014

On Site: Eirka Mitchell (1 day), Iain Mitchell (0.5 day), Katie Dodd (0.5 day), Brian Tamboline (Free 0.5 day)

Activities: PC 75 uu pitting at BS04, Sluicing

Notes missing from the field book. The accounting spread sheet shows the above time for peoples work, this work was memorable as it was sluicing which found the 47 mg of gold in BS01 and we got too excited to take good notes. We also remember that Erika deepened pit BS04 to a depth of about 7 ft and did some road maintenance as travel along the rod was taking it's toll

July 24, 2014

On Site: Eirka Mitchell (1 day), Iain Mitchell (0.5 day), Brian Tamboline (Free 0.5 day), Elaine Tamboline (Free 0.5 day)

Activities: PC 75 uu pitting at BS01, Sluicing, Picking up BS01, 2, and 3

Erika and Iain Picked up 0.2 yards (8 buckets) from the road pit (BS02) and the road scrape (BS03) samples and brought them to the processing site. Erika dug another upper road pit (BS01B at same site as the filled in BS01) it was dug to a depth of 7.5 feet with the excavator and then hand dug to 9.5 feet. The sample was 30% from above 7.5 ft and 70 % from 7.5 to 9.5 ft.

July 25, 2014

On Site: Eirka Mitchell (1 day), Iain Mitchell (0.5 day), Brian Tamboline (Free 0.5 day)

Activities: PC 75 uu pitting at BS04?, Sluicing

Notes missing from the field book. Time from accounting spreadsheet.

July 26, 2014

On Site: Iain Mitchell (1 day), Katie Dodd (1 day), Bruce Duffy (1 day)

Activities: Drilling and access cutting

Iain cut access while Bruce (driller) and Katie Helper drove to site from IEAE claims. The Cutting had to be expanded and took a while to get into location for hole 1 and 2 but the drilling went reasonably fast once the drill was placed. The third hole was similarily tough to get into but the drilling and recovery were good. After drill hole 3 Bruce drove the drill right out to the upper Bonanza road for demob. Iain and Katie had to stay close as the drill was overheating and Bruce was unsure if it would make it out. This day's machine footage and wages were not charged to the Grant as it was not an approved expense.

July 27, 2014

On Site: Eirka Mitchell (1 day), Iain Mitchell (1 day), Brian and Elaine Tamboline (Free 0.5 day)

Activities: PC 75 uu pitting, Sluicing

Erika and Iain switched off in the excavator and dug some pits in the area of the proposed trench to be labelled and sampled later. Brian and Elaine on IEA samples spent about a half day sluicing and Erika helped them in the afternoon, Katie was stuck sieving drill samples (not charged to grant), Iain was panning in the pm.

July 29, 2014

Iain and Erika were rained out of claims so they visited Miles Carlson on Lil Blanche.

July 30, 2014

On Site: Eirka Mitchell (0 day), Iain Mitchell (0day), Katie Dodd (0.5 day)

Activities: Sluicing

Late start. Iain and Erika were on site but not working on IEA business. Katie sluiced for a half day (BS02).

July 31, 2014

On Site: Eirka Mitchell (1 day), Iain Mitchell (1day), Katie Dodd (1 day)

Activities: Pitting, Sluicing

Iain excavated the BS04 pit to its final depth of 10 ft, recovered sample material and the remeadiated the pit filling it in and putting organics on top. Erika made a final attempt at the eyebrow pit, the excavator nearly was stuck so the pit was abandon with no sample. It took about 3 hrs to get the machine out, and the rest of the day was spent doing some road repair as the lower road was getting very muddy around IEA 4 and 5. Katie sluiced for full day on BS04 estimated at 0.6 yd total. Note Iain missed this day in the expense report so it was a free day to the grant.

August 1, 2014

On Site: Iain Mitchell (1day), Katie Dodd (1 day)

Activities: Pitting

Pitting of BS 05, BS06, "unnamed" pit and logs by Iain with the excavator. Katie transported samples to the sluice did the hole. (Note: A mix up lost the "unnamed" likely on this day, but this was later rectified by filling it in by hand and not talking about it... ever!)

August 2, 2014

On Site: Eirka Mitchell (0 day), Iain Mitchell (1day), Katie Dodd (1 day)

Activities: Pitting, Sluicing, staking

Iain and Katie dug BS07, BS08, BS09, BS10, and BS11. Erika brushed a line for 3 claims to be staked at the top of claims to allow Katie and Iain easy access (their job to stake 1 claim each took about an hour to get to the posts).

August 3, 2014

On Site: Eirka Mitchell (1 day), Iain Mitchell (1day), Katie Dodd (1 day)

Activities: Pitting, final mobe out of PC75 uu excavator

Pitting up the road of BS13 through BS18 was undertaken during the mobe out. A mix up in communication between Erika and Iain caused the excavator to be driven back to claim 5, and since it was there it did 45 minutes of road work on a muddy section. This was a really long day with that mix up and pits were dug by all three workers with the other sample bagging for later pickup and logging holes.

August 9, 2014

On Site: Eirka Mitchell (0.5 day), Iain Mitchell (0.5 day), Katie Dodd (0.5 day)

Activities:Sluicing, panning

Katie and Erika sluiced, Iain panned. The other half of the day was spent on separate IEAE grant

August 10, 2014

On Site: Eirka Mitchell (1 day), Iain Mitchell (0 day), Katie Dodd (1 day)

Activities: Sluicing, digging

Erika sluiced 1 bulk sample in a half day. (After note: The notes are then confusing and either Iain or Katie and Erika hand dug part of a pit. We can't recall what this was about and it may have been related to the "unnamed" pit sluiced, Iain charged no time to IEA claims on this day as he was working on IEAE ground.)

August 23, 2014

On Site: Eirka Mitchell (1 day), Iain Mitchell (0 day)

Activities: Sluicing

Erika sluice all day and Iain was sieving IEAE drill samples (note this is not related to the grant). We camped below claims to minimise wear on the truck as a wheel bearing issue had just cost us a lot of cash and the commute was terrible, camping with a one and three year old is not so fun while working long days and we left after one night.

August 24, 2014

On Site: Eirka Mitchell (1 day), Iain Mitchell (0 day)

Activities: Sluicing

Erika sluice all day and Iain was sieving IEAE drill samples (note this is not related to the grant).

August 26, 2014

On Site: Eirka Mitchell (1 day), Iain Mitchell (0 day)

Activities: Sluicing

Erika sluice all day, Iain watched the kids and picked berries.

August 28 and 29, 2014

On Site: Eirka Mitchell (2 days), Iain Mitchell (0 day)

Notes were limited for these days; Erika was sluicing and spent half of the 28th or the 29th remediating the "unnamed" pit that was forgotten.

September 2 and 3, 2014

On Site: Iain Mitchell (0.5 day each)

Activities: Sluicing, panning

Iain Sluiced and panned samples for about 7 hours with about 6 hours spent on drill samples from IEAE claims (long days of desperation). Iain camped below claims for a few days in order to minimize the commute time and used the truck to pick up the remainder of the samples. The Pond and pump were both frozen in the mornings.

September 3, 2014

On Site: Iain Mitchell (1 day)

Activities: Sluicing, panning

Iain on site for last day of sluicing, Picked up BS 14 from up the hill and got the truck stuck at the switch back. Then slammed fingers in the truck door. Jacked truck up and out and wasted about half the day. Completed BS14 sluicing, but hand was hurting too much to sluice BS17 and BS18 which were low priority.

Other notes:

January 20 and 21, 2015

Final gold determination under binocular microscope by Iain (1.5 days) and Erika (0.5 days).

January 27, 28, and 29, 2015

2.5 days on reporting by Iain Mitchell with edits from Erika Mitchell