Assessment
Renewal Report for Work Filed:
September 24th, 2014
"IN" Grouping **#HDO3380**

Hester Hill and Nugget Hill ~ Geological Report
Work done on claims:

Waste 4, Waste 7, Waste 8 and Waste 9 ~ (YD90404, YD90407, YD90408 & YD90409)
IN12(YD93402), IN14(YD93404), IN16(YD93406), IN17(YD93407), IN19(YD93409),
IN52(YD129025), IN54(YD129027)

Geological Work: Test Trenching for better bedrock analysis and sampling.

Dawson City Mining District 115014 &116B03 Maps
Utm to Access - Hunker Creek Road: 595350/7097050

Claims Owner: Sylvain Montreuil/Erini Petroutsas/Mike Church
Report Compiled by: Erini Petroutsas & Sylvain Monrtreuil

“IN” Group #HDO3380 279 quartz claims

35%Sylvain Montreuil, /35% Erini Petroutsas, /30% Mike Church

IN 1: YD92490 - 2015/10/27
IN 2 – 10: YD92492 - YD92500
IN 11 – 12: YD93401 - YD93402
IN 13 – 14: YD93403 - YD93404
IN 15 – 22: YD93405 - YD93412
IN 23 – 30: YD93413 - YD93420
IN 31 – 36: YD93421 - YD93426
IN 37 – 46: YD93487 - YD93496
IN 47 – 48: YD93499 - YD93500
IN 49: YD90471
IN 50: YD90472
IN 51 – 58: YD129024 - YD129031
IN 59 – 60: YE77640 - YE77641 Carmacks Fork
IN 61 – 66: YE77642 - YE77647
IN 67 – 74: YD129040 - YD129047
IN 75 – 83: YD93469 - YD93477
IN 84 – 98: YD93427 - YD93441
IN 99: YD93450
IN 100 – 105: YD93442 - YD93447
IN 106 – 107: YD93448 - YD93449
IN 108 – 125: YD93451 - YD93468
IN 126 – 132: YD93478 - YD93484
IN 133 - 134 YD93485 - YD93486
IN 135 - 143 YD90473 - YD90481
IN 144 – 156: YD92251 - YD92263
IN 157 – 166: YD129001 - YD129010
IN 167 – 173: YD129011 - YD129017 (174-175missing)
IN 176 – 179: YF04405 – YF04408
IN 182 – 185: YF04411 – YF04415
Indepen-F: YD93497
Dance-F YD93498

Waste 1 – 7: YD90401 - YD90407
Waste 8: YD90408
Waste 9 – 16: YD90409 - YD90416
Waste 17: YD90417
Waste 18: YD90418
Waste 19 – 20: YD90419 - YD90420
Waste 21 – 22: YD90421 - YD90422
Waste 23 – 24: YD90423 - YD90424
Waste 25 – 29: YD90425 - YD90429
Waste 30 – 33: YD90430 - YD90433
Waste 34: YD92489
Waste Suprise 35: YD102301
W 36: YE71377
Waste 37: YE71315
WF: YE71378
Waste LCF YE71380

Eight 0 – 9: YD90434 - YD90443
EIGHT 18 – 25: YE79873 - YE79880
EIGHT 27 – 28: YD72662 - YD72663
Lind 3: YD129021
Lind 5: YD129022

Fuc 1 – 2: YD11928 - YD11929
Fuc 3 – 5: YD129018 - YD129020
Fuc 6: YD89575
Fuc 7: YD89573
Fuc 8: YD89576
Fuc 9: YD89574
Fuc 10: YD11950
Fuc 11: YD11948
Fuc 12: YD89589
Fuc 13: YD11949
Fuc 14: YD89595
Fuc 15 – 16: YD89593 - YD89594
Fuc 17: YD89592
FUC HENRY: YE71339
FUC GULCH: YE71340

FUC MIN: YE71342
FUC OX: YE71341
Fuc F: YD89565
Fuc U: YD89566
Fuc C: YD89567
Fuc S: YD89572
Fuc H: YD89568
Fuc I: YD89569
Fuc T: YD89570
Fuc E: YD89571
Fuc O 1: YD89577
Fuc O 2 – 8: YD89578 - YD89584
Fuc O 11: YD11947
Fuc O 12: YD11946
Fuc O 13: YD89597
Fuc O 14: YD89596
Fuc O 15 – 16: YD89590 - YD89591

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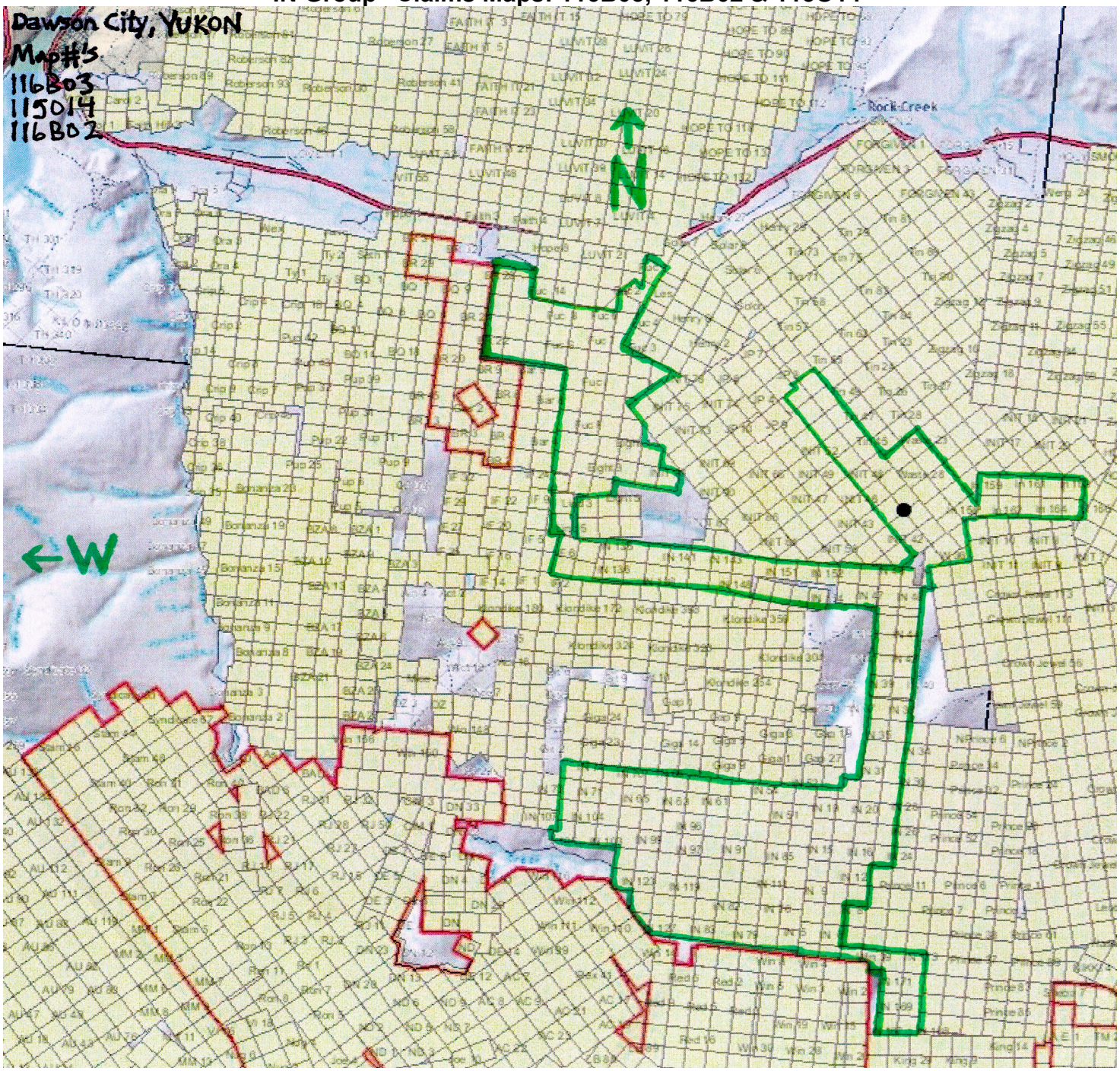
Location, Access & Terrane

"IN Group" Claims Maps: 116B03, 116B02 & 115O14



Bear to Last Chance Creeks; Independence Creek to Last Chance Creeks on Hunker including mouth of Hunker Creek; Extends southwards to Soda Creek and Carmacks Fork on Upper Bonanza Creek. (Lone Star Occurrence #072 min-file; 7 km's directly south West of the group.)

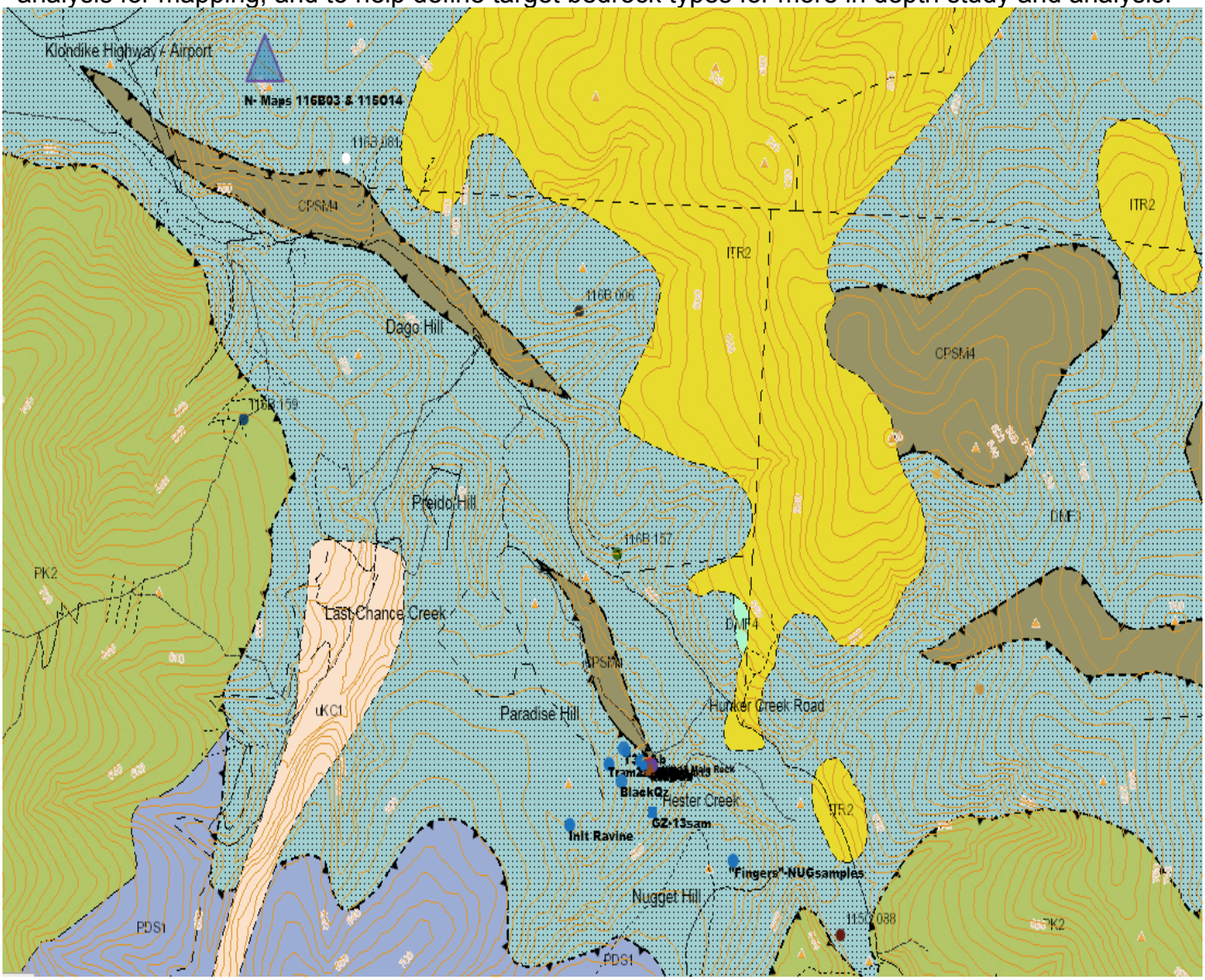
Road access is by Government maintained road 20kms from Dawson City along the Klondike Highway and Hunker Creek Roads. All study areas accessed by pre-existing road works through the white-channel plateau hills of this highly worked historic district.

From east to west lie: Nugget, Paradise, Preido and Dago Hills. The amount of exposure and oxidizing bedrock along these 4 large plateaus has provided excellent opportunity to the prospectors for easy, environmentally low impact excavation to lithology over a large area.

Introduction & Objective:

Test Trenching 2014 targeted the eastern edge of Paradise Plateau, and Hester Hill where black schist is the predominant geology intersected and cut with large slices of orange oxidizing altered weathering listwanite & serpentinite, as well as large orange/red/yellow (high sulfide) oxidizing quartz veins.

Focus was again directed on analysis of the structure surrounding the uncovered “Syl Vein Area” on the **Waste 7** claim. The entire study area of “the waste claims” has been classified as *Waste* by Yukon Geology (General & Historic Mapping), due to the removal and replacement of overburden and placer gravels, while these areas have been deemed “mined-out” by some of the placer operators. Prospecting grab samples were taken from identifiable structures in the various bed-rock formations, un-covered by test trenching or past placer mining. Assay samples were sent to assist with bed-rock analysis for mapping, and to help define target bedrock types for more in depth study and analysis.



Geology & History

Nassina Subterrane, riddled with faulting. Rhyollite intrusives and remnant ophiolite bodies. Area has been intensively placer mined and abandoned or classified as “Waste” over much of the target area, which is Independence to Hester Creeks and Nugget & Paradise Hills.

Black Schist’s as well as altered and sulfide rich black silt-stone from Independence to Last Chance along Hunker is the exposed bedrock type at creek level and is seen extending uphill at Hester, Nugget and Paradise Hills.

Work History & Data Results 2011 – 2013

Test Trenching of Central Target "Syl Vein" 2010 - 2013

Initial outcrop discovery on "Hester Hill" 2010. Arseno-pyrite sheathed quartz vein or vein remnant, floating through highly altered black schist, "cleaned" to hard-rock by semi recent placer mining.

2011 test trenching uncovered sulfides run through highly altered black schists below "Waste Vein-Main Rock". System has been uncovered for a depth of 8 meters below vein. Contains veins as well as cubes of various sulfides. Immediately south-east of the tip of the "main rock" a "mantle" of rhyolite is encountered that cover's the south-east bed-rock for a traceable zone of 20 square meters.

Trenching 2012 was concentrated south and east of this outcrop. Tip of the "vein system" which "ends" true East 91.7 degrees, 14 meters that has been uncovered with an excavator, near surface from the Top of vein. Downward west dipping 20 degrees, under the hillside overburden.

Test Trenching 2013 focused on uncovering more of the "main rock" on it's west side and test trenching west up "Hester Ravine" where another large boulder fragment "contwv" lies above the "main rock" in elevation where the altered black schist's continues. Test trenching east of the "main rock" was focused on further uncovering 2 quartz veins encountered in 2012 and opening test pits below boulder fragments at w7 location.

2011 Assay Results

Of 6 samples sent from the main rock and surrounding environment during 2011 testing, 1 sample assayed at **2.18gm/ton Au & 4 tested more than the tests upper limit of >10,000ppb Au ~ more than 10gm/ton. Fire Assay 3B03 method specific for Au, Pt & Pa**. Reject pulps were later retested by **Metallic Au G6012 method** to gain accurate gram and mineralogy details.

Waste 1, 2 & 6, which had enough pulp to retest, returned respectively **9.2, 12.9 & 34.1 grams/ton gold.**
Method Code **R200-1000 3B03**. Fire Assay. Results returned September 21, 2011
Job# WHI11001168.1 and Job# WHI11001168M.1

4 more chip samples off the "main rock" were sent for Fire Fusion G608 assay, resulting in
3.11 gram/ton Au sample #10 & 1.39 gram/ton sample #12.
Job# WHI11000169.1
All samples "Syl Vein"2011: 1-12 excluding #3 & #6 were chipped from the main vein rock as prospecting grab samples taken by the prospectors.

W7 sample 2011 chipped from a "remnant boulder of the Waste7 vein" assayed **754ppb Au** and 165 ppm Arsenic from a 10.81 gram sample. W7 2011 reject was re-assayed with 3B02 Fire Fusion for a result of **610ppb Au** from a 38 gram sample.
Job# WHI12000989

2012 Assay Results

August 26th, 2012 **KLK 5-2012** – Sampled "pyrite" below "Main Rock's tip" assayed **at 8.2 gram/ton and 9.23 gram/ton Au over 2 meters**. KLK 5 also assayed **11gm/ton silver & 30.7ounce/ton of copper (958ppm).**
Area of south easteren black schist contact directly below the "main rock", containing brassy colored well-formed pyrite cubes. ALS Labs KLK samples 1-6 taken on August 26, 2012 by Kinross Mining Executive (Dave Emmons), & Geologist (John Norby) as objective observers.

W7rNW-2012 a prospecting grab sample taken from the north-west edge on the "main rock structure" returned an assay result of **5.71gm/ton Au, 23gm/ton Ag, 340gm/ton Ni & 461gm/ton Co** from a 30gram sample assayed with Neutron Activation Analysis.

***See Work History Sections of 2011 - 2013 Waste7 Vein Assessment Reports, on "Waste Claims" for "IN" Group. Full assay certificates in appendix of each relevant report.**

Observed similarities of "main vein" exposures: Abundant chalcopyrite with sulfides in the schist coating and quartz. Well-formed arsenopyrite crystals. Dust coated white rusty quartz. Red & brown stained fissures, white talc. "Coated" in altered black schist.

2013 Assay Results

3 rock samples taken from 3 exposures of red stained quartz. **QV1A, QV1B** and **QV1-2** split into 30 gram samples and assayed with INAA on full amounts. Results were disappointing for gold, though arsenic and iron assayed above average, **QV1B** was the only quartz to show slight au with a **23ppb Au** average over 4 samples split from the QV1B grab sample chipped from vein fragment.

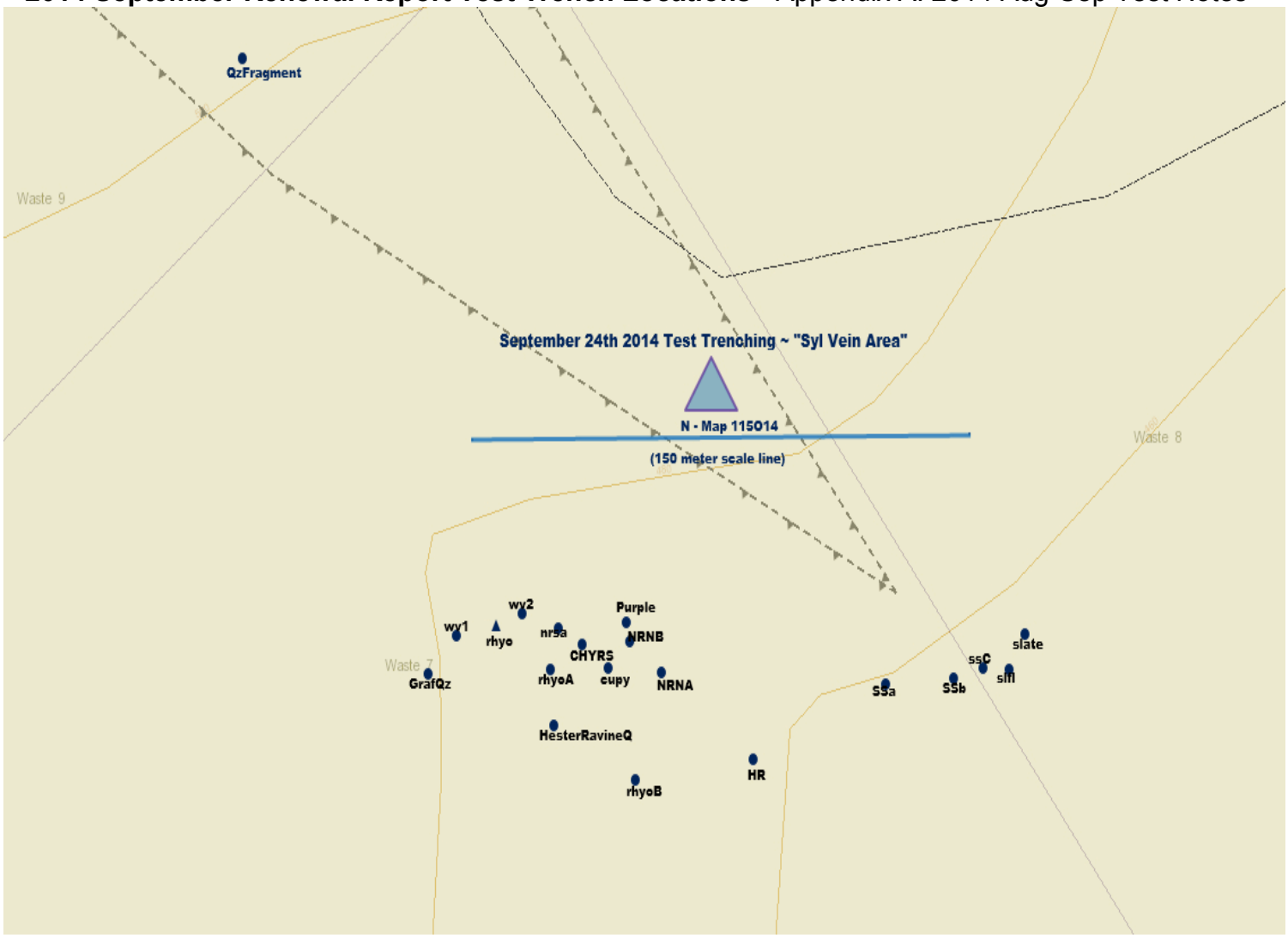
Test Trenching 2014

East and south of the “Waste7 Vein”, as well as above it in elevation to the west. Focused on uncovering more quartz structure. Test Trenching East and below of the “main rock” encountered another two “Red Quartz Vein” exposures directly below the “Rhyolite Mantle”.
“Red Quartz” study continued in 2014 with assay sampling of these new exposures called “Chrys” and wQV3 the schist below & east of them.

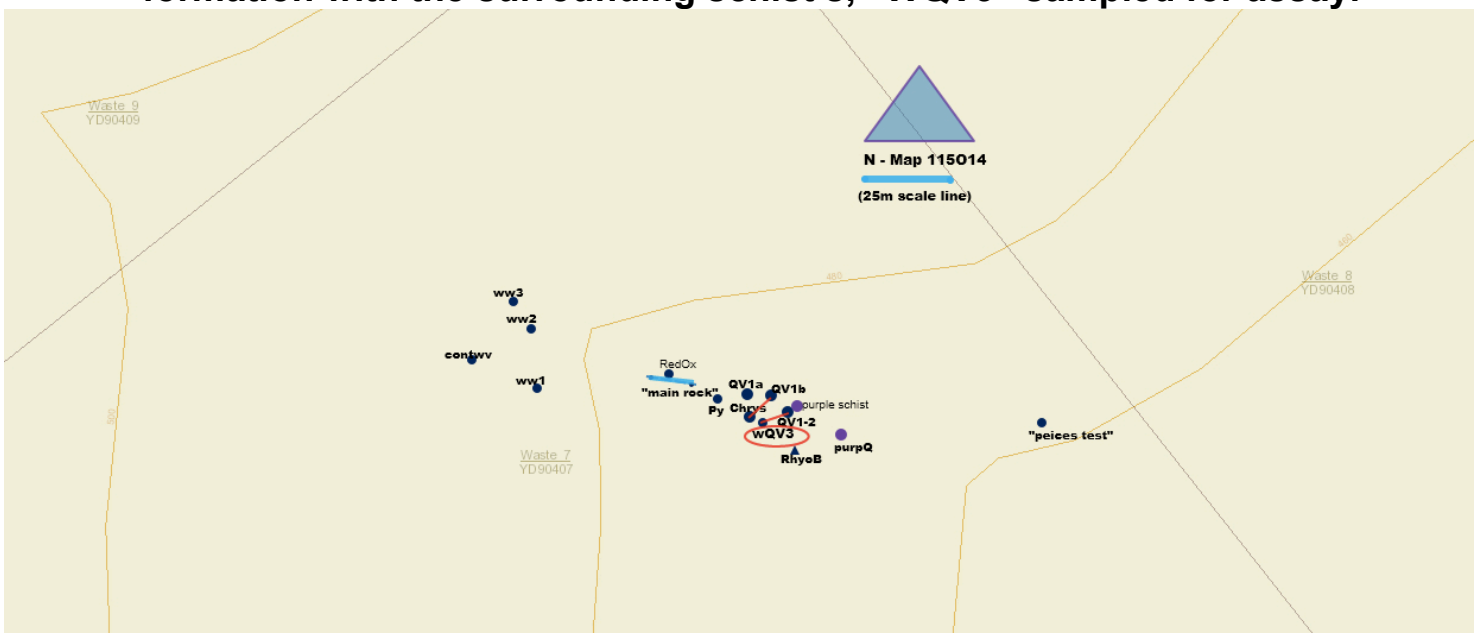
Prospecting continued of Paradise Hill Plateau & Nugget Hill Plateau, both areas of stripped bed-rock, left exposed & weathering in formation. Samples taken from bed-rock exposure on Nugget Hill were also sent for assay to better analyze regional rock types.

Test Trenching was done on Hester Creek at “Gary Zone” more than 30 meters from the creek into the altered black schist of the east slope of Hester to test for solid bedrock under prior (black) placer tailings.

2014 September Renewal Report Test Trench Locations - Appendix A: 2014 Aug-Sep Test Notes



2014 test trenching un-covered “third” new “red quartz vein”. Solid quartz in formation with the surrounding schist’s, “WQV3” sampled for assay.



2014 test trenching re-focused on removing the two 8 meter long continuous "red-vein" fragments 2013 to create new pad space to dig further at "Rhyo Mantle" location, and un-cover the new 2014 WQV3 and "Chrystal Vein Fragments" pictured above & below.

"Chrystal Vein" – at contact below "Rhyolite Mantle".

"Chrys Vein. Possible southern "termination" of QV1B-13, at the "Rhyolite Slab".

Chys Vein Fragment at contact below the "Rhyolite Mantle"

WQV3 vein fragment, striking north, was removed during test trenching and placed in a pile on the north side of the test pit for further analysis. Grab sample taken for assay from quartz while in structure and split into 3: 30gram sub-samples at the lab.

“Chrys” Sample:

Crystals and abundant sulfides in the red & iridescent stained quartz. Well-formed arsenopyrite crystals up to 2mm seen. QV1-14 seems to be the south continuation of QV1-13 “vein fragment”, (which was also roughly 1.2x0.9m in dimension).

“Chrys” Sample taken from (QV1A-B-2013?) contact with “Rhyolite”

Grab sample taken from quartz structure at it’s south proximity with “altered rhyolite”. Representative chips all from the same location. 240 gram total sample weight split into 8 sub-samples to test full rock amount. Assayed with Neutron Activation by Bequerel Laboratories.

RESULTS OF ANALYSES OF SOLID											
Acme Analytical Laboratories Ltd. Maxxam Job Number: B533723											
Client Project #: WHI15000003											
Maxxam ID		ZQ6831	ZQ6832	ZQ6833	ZQ6834	ZQ6835	ZQ6836	ZQ6837	ZQ6838		
	Units	CHRYSA	CHRYSB	CHRYSC	CHRYSD	CHRYSE	CHRYSF	CHRYSG	CHRYSH	RDL	QC Batch
Bromine	ppm	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	3933548
Antimony (Sb)	ppm	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	3933548
Arsenic (As)	ppm	171	169	166	202	185	163	156	178	0.5	3933548
Barium (Ba)	ppm	<50	<50	<50	<50	<50	<50	<50	<50	50	3933548
Calcium (Ca)	ppm	<10000	<10000	<10000	<10000	<10000	<10000	<10000	<10000	10000	3933548
Cerium (Ce)	ppm	<3	<3	<3	<3	<3	<3	<3	<3	3	3933548
Cesium (Cs)	ppm	<1	<1	<1	<1	<1	<1	<1	<1	1	3933548
Chromium (Cr)	ppm	<5	<5	<5	<5	<5	<5	<5	<5	5	3933548
Cobalt (Co)	ppm	5	4	4	5	5	4	4	5	1	3933548
Europium (Eu)	ppm	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	3933548
Gold (Au)	ppm	0.005	0.006	0.005	0.005	0.006	0.006	0.004	0.006	0.002	3933548
Hafnium (Hf)	ppm	<1	<1	<1	<1	<1	<1	<1	<1	1	3933548
Iridium (Ir)	ppm	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	3933548
Iron (Fe)	ppm	19000	18000	18000	20100	19300	17300	15700	19000	100	3933548
Lanthanum (La)	ppm	1.1	0.8	0.9	1.1	1.1	0.8	0.8	1.1	0.5	3933548
Lutetium (Lu)	ppm	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	3933548
Mercury (Hg)	ppm	<1	<1	<1	<1	<1	<1	<1	<1	1	3933548
Molybdenum (Mo)	ppm	<1	<1	<1	<1	<1	<1	<1	<1	2.4	3933548
Neodymium (Nd)	ppm	<5	<5	<5	<5	<5	<5	<5	<5	5	3933548
Nickel (Ni)	ppm	<100	<100	<100	<100	<100	<100	<100	<100	100	3933548
Rubidium (Rb)	ppm	<15	<15	<15	<15	<15	<15	<15	<15	15	3933548
Samarium (Sm)	ppm	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.1	3933548
Scandium (Sc)	ppm	0.4	0.3	0.3	0.4	0.4	0.4	0.3	0.4	0.1	3933548
Selenium (Se)	ppm	6	6	6	6	6	5	5	7	3	3933548
Silver (Ag)	ppm	<5	<5	<5	<5	<5	<5	<5	<5	5	3933548
Sodium (Na)	ppm	220	210	220	190	220	180	150	190	100	3933548
Strontium (Sr)	ppm	<500	<500	<500	<500	<500	<500	<500	<500	500	3933548
Tantalum (Ta)	ppm	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	3933548
Terbium (Tb)	ppm	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	3933548
Thorium (Th)	ppm	0.5	0.3	0.4	0.3	0.4	0.3	0.3	0.3	0.2	3933548
Tin (Sn)	ppm	<100	<100	<100	<100	<100	<100	<100	<100	100	3933548
Tungsten (W)	ppm	<1	<1	<1	<1	<1	<1	<1	<1	1	3933548
Uranium (U)	ppm	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	3933548
Ytterbium (Yb)	ppm	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	3933548
Zinc (Zn)	ppm	<50	<50	<50	<50	<50	<50	<50	<50	50	3933548

“WQV3” Sample taken from “vein fragment's” closest proximity to “Rhyo”:

Crystals and abundant sulfides in the red & iridescent stained quartz. Red-orange oxidation through approx. 50% of the white-clear fissured quartz vein (1x0.8m), containing small sulfide specks. Graphite/muscovite schist surrounding.

Grab sample taken from quartz structure at it’s south proximity with “altered rhyolite”. Representative chips all from the same location. 90 gram total sample weight split into 3 sub-samples to test full rock amount. Assayed with Neutron Activation by Bequerel Laboratories.

RESULTS OF ANALYSES OF SOLID						
Acme Analytical Laboratories Ltd.				Maxxam Job Number: B533723		
Client Project #: WHI15000003				Report Date: 2015/03/27		
Maxxam ID		ZQ6851	ZQ6852	ZQ6853		
	Units	**WQV3A**	**WQV3B**	**WQV3C**	**RDL**	**QC Batch**
Bromine	ppm	<0.5	<0.5	<0.5	1.4	3933548
Antimony (Sb)	ppm	<0.1	<0.1	<0.1	0.1	3933548
Arsenic (As)	ppm	5.3	5.0	3.8	0.5	3933548
Barium (Ba)	ppm	180	150	140	50	3933548
Calcium (Ca)	ppm	20000	21000	20000	10000	3933548
Cerium (Ce)	ppm	6	6	5	3	3933548
Cesium (Cs)	ppm	<1	<1	<1	1	3933548
Chromium (Cr)	ppm	7	7	6	5	3933548
Cobalt (Co)	ppm	9	9	8	1	3933548
Europium (Eu)	ppm	0.4	0.4	0.5	0.2	3933548
Gold (Au)	ppm	0.374	0.434	0.306	0.002	3933548
Hafnium (Hf)	ppm	<1	<1	<1	1	3933548
Iridium (Ir)	ppm	<0.005	<0.005	<0.005	0.005	3933548
Iron (Fe)	ppm	20500	19800	18400	100	3933548
Lanthanum (La)	ppm	1.9	1.8	1.6	0.5	3933548
Lutetium (Lu)	ppm	1.40	1.70	1.50	0.05	3933548
Mercury (Hg)	ppm	<1	<1	<1	1	3933548
Molybdenum (Mo	ppm	<1	<2.7	<2.4	1	3933548
Neodymium (Nd)	ppm	<5	5	<5	5	3933548
Nickel (Ni)	ppm	<100	<100	<100	100	3933548
Rubidium (Rb)	ppm	<15	<15	<15	15	3933548
Samarium (Sm)	ppm	0.9	0.9	0.8	0.1	3933548
Scandium (Sc)	ppm	3.6	3.8	3.4	0.1	3933548
Selenium (Se)	ppm	4	<3	4	3	3933548
Silver (Ag)	ppm	10	11	10	5	3933548
Sodium (Na)	ppm	320	300	280	100	3933548
Strontium (Sr)	ppm	<500	<500	<500	500	3933548
Tantalum (Ta)	ppm	<0.5	<0.5	<0.5	0.5	3933548
Terbium (Tb)	ppm	<0.5	<0.5	<0.5	0.5	3933548
Thorium (Th)	ppm	1.6	1.6	1.3	0.2	3933548
Tin (Sn)	ppm	<100	<100	<100	100	3933548
Tungsten (W)	ppm	<1	<1	<1	1	3933548
Uranium (U)	ppm	1.6	1.4	1.3	0.5	3933548
Ytterbium (Yb)	ppm	5.5	6.2	5.5	0.2	3933548
Zinc (Zn)	ppm	<50	<50	<50	50	3933548

“Purple Juice”– Immediately below “Chrys and WQV3” 2014, in elevation and continuing east. Altered black schist and quartz. Vivid purple oxidations & iridensence on & through schist and quartz.

Purple Juice Samples, taken from bedrock-schist exposed by test trenching:

PurpJS: Stained & oxidizing schist from “Purple Trench”.
PurpJQ: Purple stained schist containing quartz between beddings.
WaGab: “Remnant” black siltstone with qz/calcite lensing and sulfides sampled.
Grab samples taken from test trench locations as noted in trench descriptions.
Representative chips all from the same locations. Total sample weight split into alphabetic 30 gram sub-samples to test full rock amount, assayed with Neutron Activation by Bequerel Laboratories.

Acme Analytical Laboratories Ltd.																
Client Project #: WHI15000003					Maxxam Job Number: B533723											
Maxxam ID			ZQ6854	ZQ6855	ZQ6856		ZQ6857	ZQ6858	ZQ6859	ZQ6860		ZQ6861	ZQ6862	ZQ6865		
	Units	RDL	PURPJSA	PURPJSB	PURPJSC		PURPQA	PURPQB	PURPQC	PURPQD	RDL	WAGABA	WAGABB	WAGABC	RDL	QC Batch
Bromine	ppm	0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	0.5	3933548
Antimony (Sb)	ppm	0.1	0.3	0.2	0.2		<0.1	<0.1	0.1	0.1	0.1	0.2	<0.1	<0.1	0.1	3933548
Arsenic (As)	ppm	0.5	19.0	19.0	22.0		25.0	24.0	24.0	29.0	0.5	17.0	16.0	18.0	0.5	3933548
Barium (Ba)	ppm	50	1500	1600	1600		140	140	120	160	50	130	77	140	50	3933548
Calcium (Ca)	ppm	10000	<10000	<10000	<10000		14000	14000	14000	13000	10000	37000	32000	30000	10000	3933548
Cerium (Ce)	ppm	3	110	110	110		6	6	6	7	3	44	46	47	3	3933548
Cesium (Cs)	ppm	1	7	6	6		<1	<1	<1	<1	1	<1	<1	<1	1	3933548
Chromium (Cr)	ppm	5	98	99	98		8	7	8	11	5	60	60	60	5	3933548
Cobalt (Co)	ppm	1	19	18	19		11	10	10	11	1	20	20	21	1	3933548
Europium (Eu)	ppm	0.2	1.9	1.9	2.1		0.3	0.3	0.2	0.3	0.2	1.4	1.4	1.6	0.2	3933548
Gold (Au)	ppm	0.002	<0.002	0.008	<0.002		0.150	0.086	0.075	0.089	0.002	0.005	0.006	<0.002	0.002	3933548
Hafnium (Hf)	ppm	1	6	7	7		<1	<1	<1	<1	1	5	5	5	1	3933548
Iridium (Ir)	ppm	0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	0.005	<0.005	<0.005	<0.005	0.005	3933548
Iron (Fe)	ppm	100	46400	46400	47700		27800	27900	26900	29700	100	35300	34000	36700	100	3933548
Lanthanum (La)	ppm	0.5	47.0	47.0	49.0		2.3	2.3	2.1	2.7	0.5	20.0	19.0	20.0	0.5	3933548
Lutetium (Lu)	ppm	0.05	0.55	0.56	0.59		1.00	1.00	1.00	1.10	0.05	0.42	0.42	0.43	0.05	3933548
Mercury (Hg)	ppm	1	<1	<1	<1		<1	<1	<1	<1	1	<1	<1	<1	1	3933548
Molybdenum (Mo)	ppm	2.4	<3.2	<2.7	<5.1		<1	<1	<1	<1	1	<4.2	<4.4	<4.4	2.4	3933548
Neodymium (Nd)	ppm	5	41	41	41		<5	<5	<5	<5	5	18	18	17	5	3933548
Nickel (Ni)	ppm	100	<100	<100	<100		<100	<100	<100	<100	100	<100	<100	<100	100	3933548
Rubidium (Rb)	ppm	15	150	140	140		<15	<15	<15	<15	15	<15	<15	<15	15	3933548
Samarium (Sm)	ppm	0.1	9.2	9.3	10.0		0.9	0.9	0.8	0.9	0.1	4.8	4.8	4.9	0.1	3933548
Scandium (Sc)	ppm	0.1	19.6	19.8	20.2		3.2	3.2	2.9	3.2	0.1	4.1	3.9	4.3	0.1	3933548
Selenium (Se)	ppm	3	<3	5	7		7	6	7	7	3	4	<3	6	3	3933548
Silver (Ag)	ppm	5	<5	<5	<5		6	6	7	<5	5	<5	<5	<5	5	3933548
Sodium (Na)	ppm	100	10000	10000	10100		490	440	410	550	100	50200	49600	50600	100	3933548
Strontium (Sr)	ppm	500	<500	<500	<500		<500	<500	<500	<500	500	<500	<500	<500	500	3933548
Tantalum (Ta)	ppm	0.5	1.9	1.4	0.9		<0.5	<0.5	<0.5	<0.5	0.5	2.0	2.2	2.0	0.5	3933548
Terbium (Tb)	ppm	0.5	1.3	1.3	1.3		<0.5	<0.5	<0.5	<0.5	0.5	1.3	1.0	0.9	0.5	3933548
Thorium (Th)	ppm	0.2	14.0	14.0	15.0		2.1	2.1	1.9	2.3	0.2	8.0	7.9	8.4	0.2	3933548
Tin (Sn)	ppm	100	<100	<100	<100		<100	<100	<100	<100	100	<100	<100	<100	100	3933548
Tungsten (W)	ppm	1	24	23	24		<1	<1	<1	<1	1	6	4	5	1	3933548
Uranium (U)	ppm	0.5	3.7	3.8	3.5		1.3	1.4	1.3	1.4	0.5	5.5	5.3	5.2	0.5	3933548
Ytterbium (Yb)	ppm	0.2	3.6	3.7	3.6		3.9	3.8	3.6	4.0	0.2	2.6	2.6	2.6	0.2	3933548
Zinc (Zn)	ppm	50	120	110	110		<50	<50	<50	<50	50	58	82	71	50	3933548

Assay Interpretations "Syl Vein Area" - Chys, WQV3, Purp & Wagab grab samples.

Chrys – Sample taken from the "veins" southern edge, where it lies directly below the "rhyolite mantle". Chipped from one location on the quartz structure to further investigate new veins gold bearing potential. One 240 gram samples was split at the lab into 8 sub-samples, that were assayed by INAA to help prevent nugget effect and keep consistent assay weights for each. Gold results were disappointing considering the amount of sulfides and fissures visible in the rock. Aside from anomalous **arsenic, which ranged from 156 – 202 ppm in all the sub-samples**, all other pathfinder elements (Ag, Ni, Sb & W) were below detection levels.

WQV3 – Sample chipped from one location on a 2 meter long "vein fragment". Assay sample location was east of Chrys sample where "wQV3" seemed to contact the rhyolite mantle. The 2 vein fragments were not connected to each other, though very similar in composition. WQV3 gave the best AU results of "Red Quartz below Waste7 Main Rock" testing to date, with the sample assaying **374ppb, 434ppb and 306ppb Au.**

3 samples taken from a 2014 test trench into the "black-purple" schist beginning at "Chrys" location, running immediately below it to depth & north and east of it for 30 meters uncovered.

PurpJ – Striated schist stained red-brown-purple and oxidizing. 90 gram sample taken from same location, split into 3 sub-samples. High Barium, Arsenic, Chromium, Cobalt, Tungsten and Uranium. 8ppb Au in PurpJB.

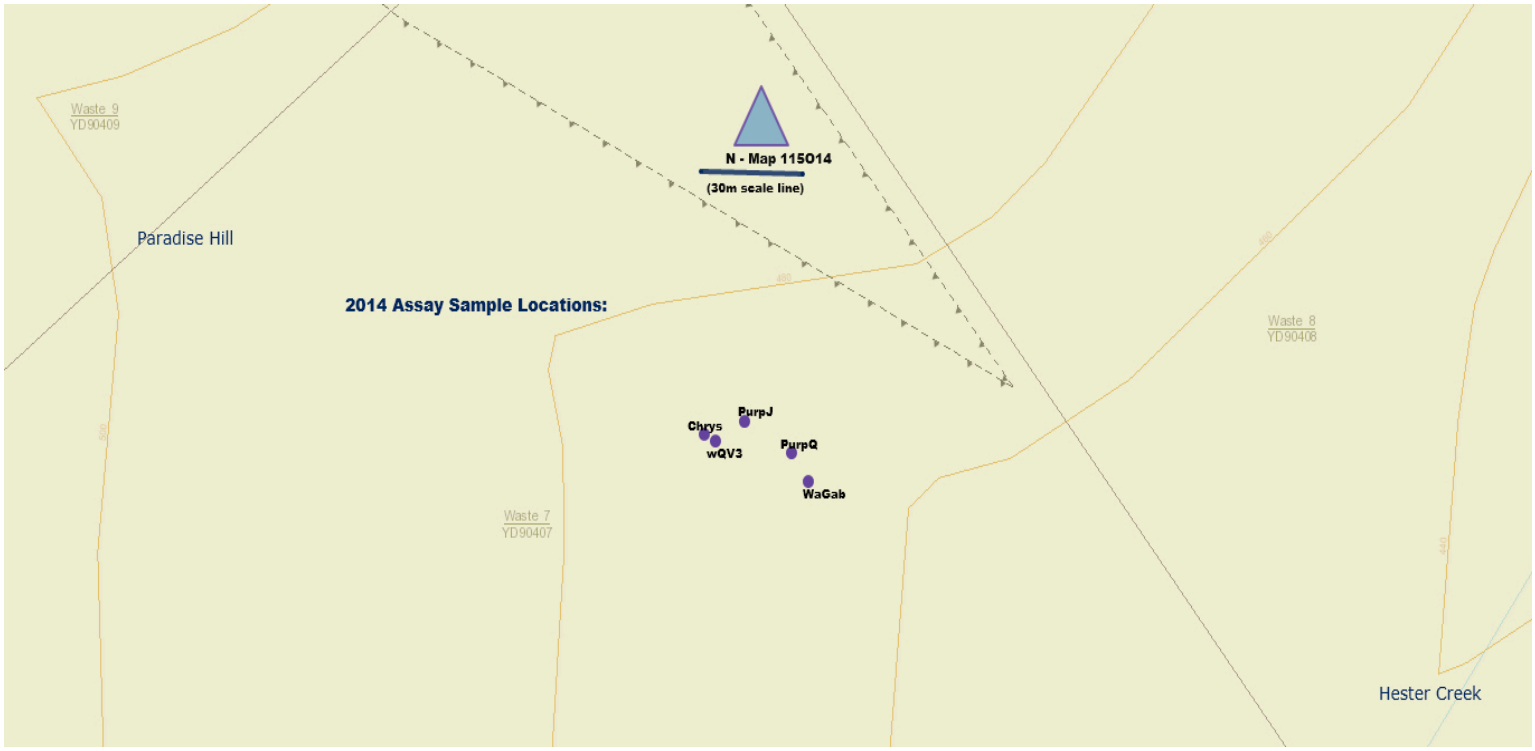
PurpQ – Vertically aligned and follliated schists, containing quartz between beddings. "Purple"(?) is oxidizing over approx. 80% of all rock surface as a powder up to 1mm thick.120 gram sample taken from the same location, split into 4 sub-samples. Low Barium and Tungsten through all four. **150ppb Au in PurpQA, 86ppb Au in PurpQB, 75 ppb Au in PurpQC and 89ppb Au in PurpQD**. More detailed analysis and trenching will have to be done in this area.

WaGab – Remnant "dykes" of dense, fine-grained black stone containing cross-cutting quartz/calcite veinlets and sulfides in cubes and veins. Called "Hester Rock" in these reports, until a better definition can be established. 90 gram sample taken from same location, split into 3 sub-samples. Arsenic, Chromium, Cobalt, Tungsten, and Uranium show up in elevated levels, **5 & 6 ppb Au in WagabA & WagabB**. As samples high in carbon are the only thing to interfere with INAA detection limits (because carbon absorbs neutrons), another assay method will have to be used for the "Hester Rock" in the future.

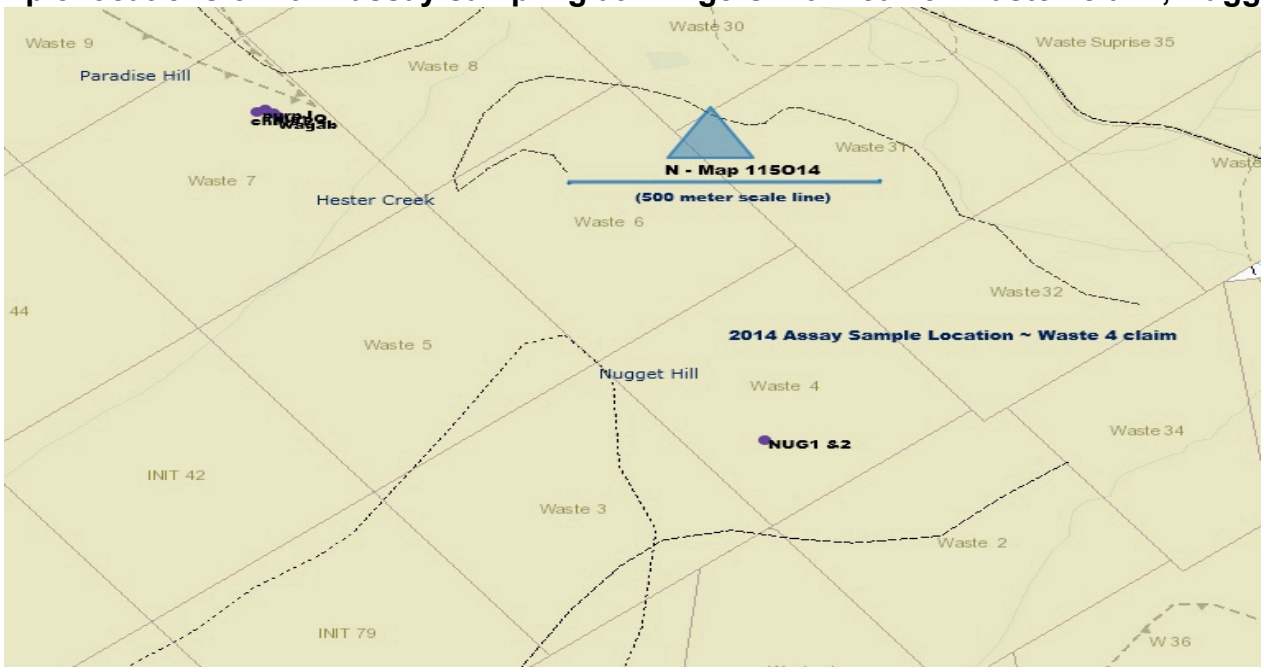
"Hester Rock" has been identified from Independence Creek to Last Chance as the predominant bedrock of Hunker Creek in this vicinity and more detailed analysis and assay testing will have to be done with professionals on this "bedrock type" and it's potential.

WaGab sample, "remnant rock" through black/"purple" schist's, seen in PURP test trench.

Five sample locations of 2014 assay sampling at “Red Quartz Area” of “Waste7 Vein”.



Two sample locations of 2014 assay sampling at "Fingers Pit Area" of Waste4 claim, Nugget Hill.



"Fingers Pit" ~ 2012 to current target on Waste4 Claim. Nugget Hill. Opened to hard bed-rock in formation by local placer operator.

This bedrock is under the placer ground Dave Brickner has mined on Nugget Hill. Rock samples taken for prospecting mill-tests 2012, returned small coarse gold pieces.

W4Fingers – Heavily altered chlorite/muscovite schist, between striated upward "intrusions" of altered (quartz, carbonate, chlorite schist). Comes up like "fingers" at the bottom of a stripped placer pit. (2012 trench DBw4). Black/Burgandy/Purple/Mauve stainings through rock. Orange white oxidation.

"Fingers" of burgundy stained chlorite quartz/carbonate veins shoot upward from below, into the stripped decomposed black schist/graphite and quartz vein system. Chlorite schist(?), altered by black, burgandy, orange "goo". Gossan and slip fault activity apparent.

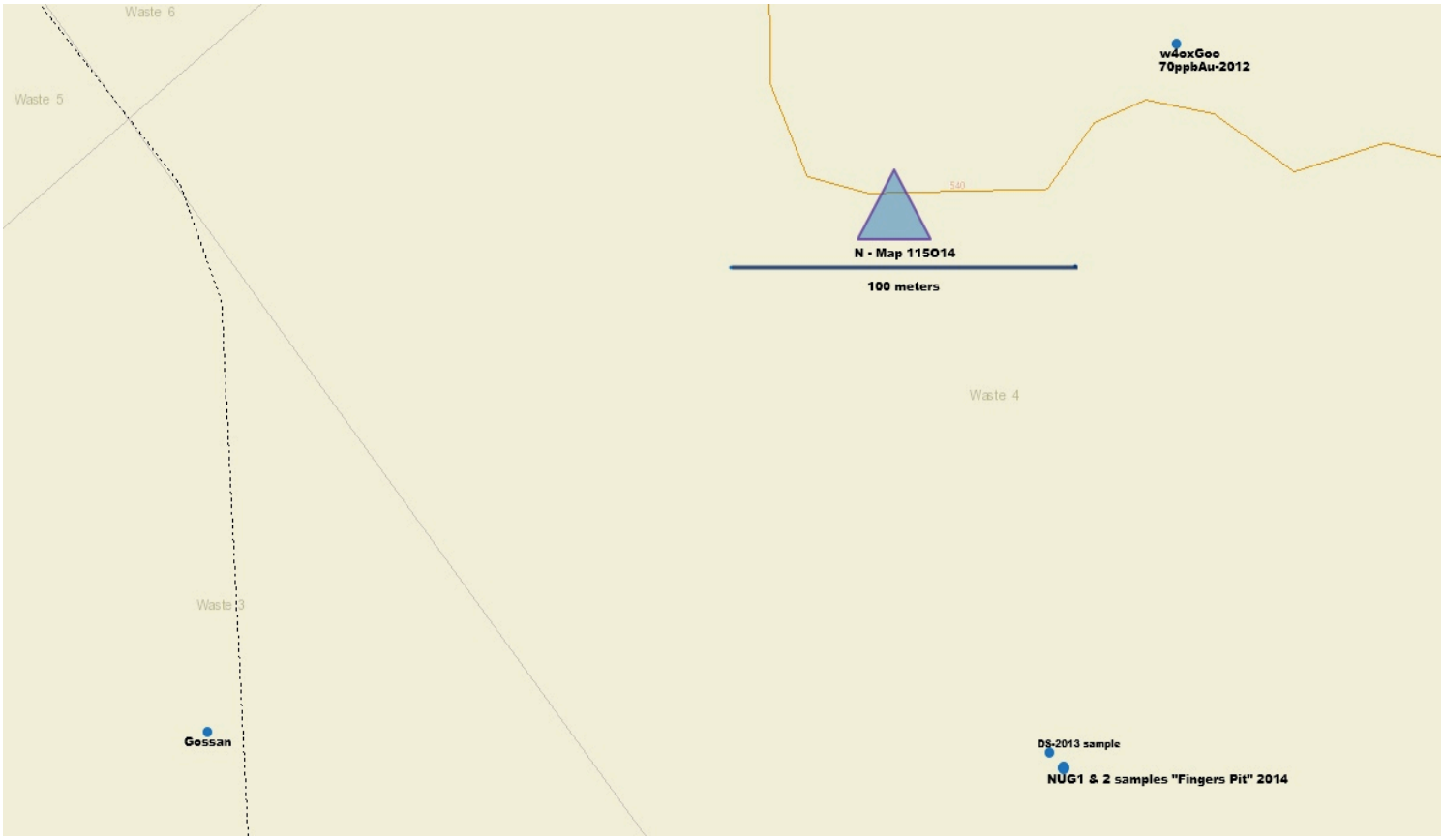
NUG1 & NUG2 samples

Grab sample taken from schist structure at most black-brown & most purple alteration areas. Representative chips all from the same locations. Total sample weight split into sub-samples labeled alphabetically, to test full rock amount, assayed with Neutron Activation by Bequerel Laboratories.

RESULTS OF ANALYSES OF SOLID												Maxxam Job Number: B533723			
Acme Analytical Laboratories Ltd.															
Client Project #: WHI15000003															
Maxxam ID		ZQ6893	ZQ6894	ZQ6895	ZQ6896	ZQ6897	ZQ6898	ZQ6899	ZQ6900	ZQ6901	ZQ6902	ZQ6903	ZQ6904		
	Units	NUG1A	NUG1B	NUG1C	NUG1D	NUG2A	NUG2B	NUG2C	NUG2D	NUG2E	NUG2F	NUG2G	NUG2H	RDL	QC Batch
Bromine	ppm	<0.5	<1	<0.5	<0.5	<1.4	<1.4	<1.4	<1.5	<1.3	<1.5	<1.5	<1.4	1.4	3933548
Antimony (Sb)	ppm	1.6	1.6	1.4	1.6	2.9	2.8	3.0	2.8	2.8	2.9	2.9	2.7	0.1	3933548
Arsenic (As)	ppm	118	128	111	122	210	218	203	217	203	220	216	209	0.5	3933548
Barium (Ba)	ppm	8420	8420	8530	8110	6130	6430	5990	6260	5870	6580	6180	6110	50	3933548
Calcium (Ca)	ppm	16000	19000	15000	21000	27000	24000	27000	30000	27000	25000	27000	28000	10000	3933548
Cerium (Ce)	ppm	29	31	27	31	38	33	47	37	42	39	49	48	3	3933548
Cesium (Cs)	ppm	8	7	8	8	11	11	10	11	9	10	10	11	1	3933548
Chromium (Cr)	ppm	29	35	27	32	43	42	45	41	42	43	47	49	5	3933548
Cobalt (Co)	ppm	98	110	99	104	387	419	383	408	375	417	409	380	1	3933548
Europium (Eu)	ppm	0.8	1.0	1.0	1.1	1.3	1.2	1.3	1.1	1.3	1.3	1.5	1.1	0.2	3933548
Gold (Au)	ppm	0.012	0.009	0.008	2.74	0.010	0.012	0.020	5.68	0.012	0.014	<0.009	0.010	0.002	3933548
Hafnium (Hf)	ppm	2	2	2	2	3	3	3	3	3	3	3	3	1	3933548
Iridium (Ir)	ppm	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	3933548
Iron (Fe)	ppm	193000	204000	184000	196000	291000	290000	281000	291000	280000	295000	292000	292000	100	3933548
Lanthanum (La)	ppm	14.0	15.0	14.0	15.0	24.0	24.0	23.0	24.0	22.0	24.0	24.0	24.0	0.5	3933548
Lutetium (Lu)	ppm	0.68	0.68	0.64	0.66	0.53	0.50	0.51	0.50	0.52	0.53	0.55	0.60	0.05	3933548
Mercury (Hg)	ppm	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	3933548
Molybdenum (Mo)	ppm	189	178	188	177	227	255	240	235	230	254	254	228	1	3933548
Neodymium (Nd)	ppm	10	13	8	10	19	21	16	14	13	11	18	18	5	3933548
Nickel (Ni)	ppm	200	370	230	260	430	380	460	290	430	470	450	360	100	3933548
Rubidium (Rb)	ppm	64	50	59	56	65	79	83	82	78	88	97	97	15	3933548
Samarium (Sm)	ppm	2.8	3.0	2.8	2.9	3.6	3.7	3.6	3.7	3.4	3.7	3.7	3.7	0.1	3933548
Scandium (Sc)	ppm	5.5	6.0	5.4	5.9	8.1	8.0	8.0	8.3	7.8	8.3	8.2	8.3	0.1	3933548
Selenium (Se)	ppm	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	3	3933548
Silver (Ag)	ppm	<5	<5	7	7	17	22	21	26	22	25	30	19	5	3933548
Sodium (Na)	ppm	1900	2000	1800	2000	1700	1600	1600	1800	1600	1800	1800	1600	100	3933548
Strontium (Sr)	ppm	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	500	3933548
Tantalum (Ta)	ppm	<0.5	0.7	<0.5	<0.5	0.5	0.7	0.6	1.1	0.9	0.6	0.7	0.9	0.5	3933548
Terbium (Tb)	ppm	1.0	0.7	1.1	0.9	1.0	1.5	1.3	1.4	0.9	1.0	1.6	1.2	0.5	3933548
Thorium (Th)	ppm	4.9	5.5	4.7	5.2	6.4	6.0	6.6	6.2	5.9	6.8	6.4	6.4	0.2	3933548
Tin (Sn)	ppm	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	100	3933548
Tungsten (W)	ppm	11	13	11	11	11	10	11	9	7	13	9	10	1	3933548
Uranium (U)	ppm	32.0	36.0	32.0	33.0	47.0	47.0	45.0	47.0	45.0	48.0	46.0	46.0	0.5	3933548
Ytterbium (Yb)	ppm	3.6	3.7	3.5	3.6	3.4	3.3	3.4	3.1	3.2	3.4	3.5	3.5	0.2	3933548
Zinc (Zn)	ppm	1700	1700	1700	1700	1600	1600	1600	1600	1600	1700	1700	1600	50	3933548

Data Interpretation Nugget Hill

Nug1 & Nug2 – “Fingers Pit Location” needs further objective testing with a more detailed sampling program. Further work can be done in this area now that the placer miner has ceased operation there. P. Geo analysis recommended with more detailed assay testing.
(NUG1&2 ~ Waste4pulvAu12 “exact” location was re-sampled for the assay with geologist Boris Molak present during the re-sampling, during an August 2014 study visit).



Additional Previous Work on Nugget Hill

August 9th 2013, Dereck Torgensen visits Waste4 claim

W4-1 - 07V 0596245/7096434 (wpt 024) **Sample# 4668988**
Hydrothermaly? Altered and conglomerated pieces of broken quartz bordering platy graphite (previously chlorite schist). Burgandy, red and dark brown stainings. Bordering the altered chlorite schist (not turned to graphite) that yielded gold sample from 2012 milling – “Fingers Pit”.

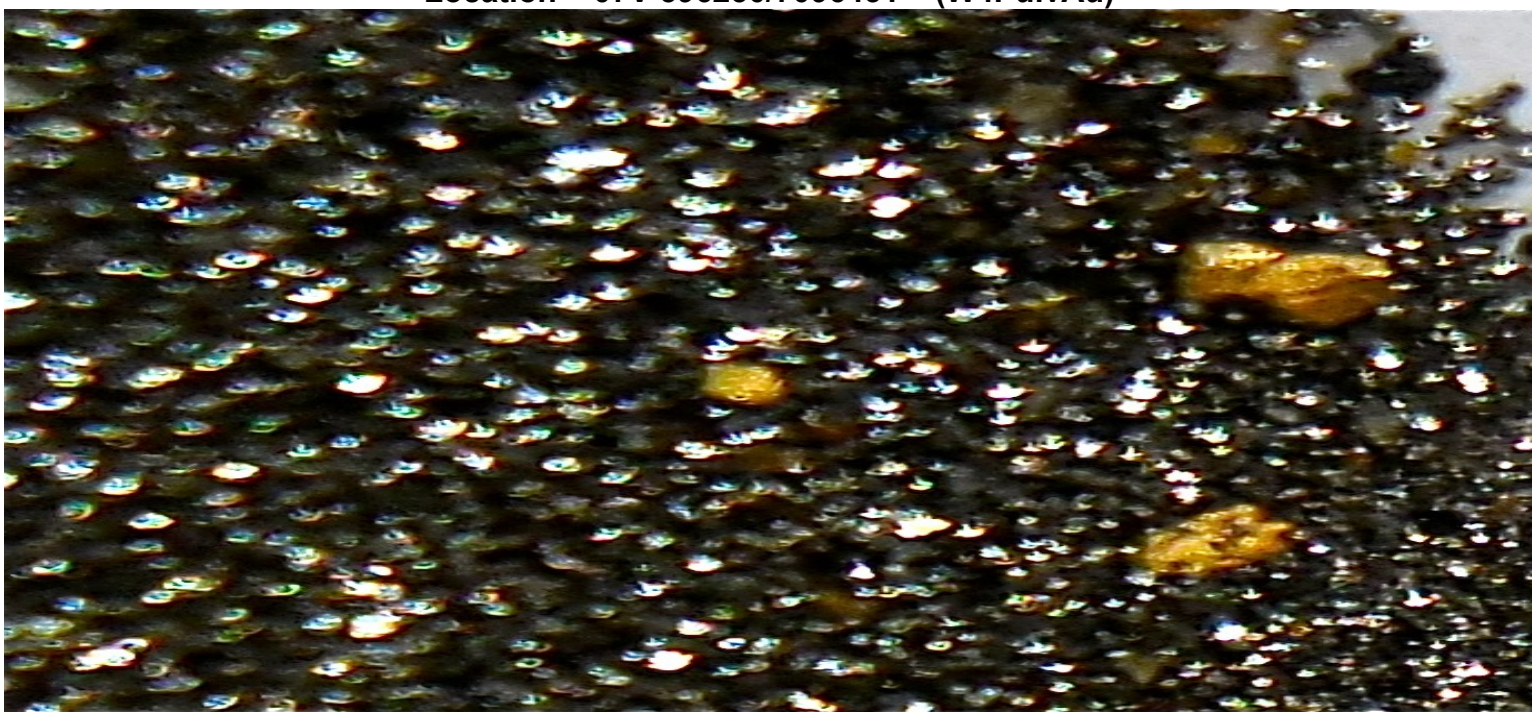
W4-2 – 07V 0596004/7096408 (wpt 025) **Sample# 4888989**
Conglomerate/Gossan, orange-brown “gooed” together pieces of broken quartz.

Aqua Regia Digest - Au, ICP-MS finish (202054)

			Sample Login Weight	Au	Au-Grav
		Unit:	kg	ppm	g/t
Sample Id	Sample Description	RDL:	0.01	0.00005	0.05
4668988	E5581419		2.39	0.001	
4668989	E5581420		1.98	0.0025	
Comments:	RDL - Reported Detection Limit				

Prospecting samples were taken from “Fingers Pit” & pulverized/panned during 2012 by the prospector and assistant, revealing small pieces of coarse gold pictured in the following pages. Samples were taken from bedrock “formations” at the bottom of the stripped placer pit.

Crushed, pulverized and oscillated with a professional & objective observers witnessing. Erini Petroutsas & Don Kenzie. Gold recovered from this rock type has a coarse texture. Utm Location ~ 07V 596250/7096431 – (W4PulvAu)



5 pieces of visible gold recovered from a 3 pound sample 2012 testing, large amount of magnetite in the tabled rock. Gold has a coarse texture.

W4oxGoo – 5A Neutron Analysis 2011 sampling result of 70ppb au from 30 gram sample. ~ 07V 0596257/7096624

Conclusion & Recommendations - Paradise Hill, Hester, Waste7 Vein & Nugget Hill

Findings have indicated Waste7 vein to be a continuing area of interest. The surrounding altered black schist containing pyrite veins and large orogenic cubes of pyrite/chalcopyrite and various other sulfides as well as large red oxidizing fissured quartz vein fragments in the formation below “Main Rock Waste7 Vein”, have indicated also a further area of interest . P. Geo analysis is recommended for the Nugget-Paradise Hill Area to better map existing bedrock exposure and assay sample.

Preliminary prospect work of Fingers Pit on Waste 4 claim Nugget Hill has shown the exposed “schist” of the eastern plateau of Nugget Hill to be a zone of interest due to the anomalous gold results received from 2 “altered schist” rocks assayed. A 50 square meter stripped hard bedrock area can be studied further. P. Geo analysis will have to be performed on this stripped exposure.

The entire area between Paradise and Nugget Hills must be mapped in more detail. Testing differentiations between fault alterations and quartz zones, lithologies, contacts and sulfides.

The “Hester Rock” seems to be a black silt-stone containing cross-cutting quartz/calcite veinlets of various sizes, directions, and sulfides. Needs further investigating as it is the predominant basement rock of the Independence to Last Chance Area. It is also seen as remnant sections in the black schist at Waste Vein and on Paradise Hill North-East Plateau.

Statement of Qualifications

Sylvain Montreuil:

Quartz vein prospector in the Klondike drainage and Indian River, also 60 Mile, Stewart, Peel and Porcupine river's for over 20 years. Has been involved in the targeting, prospecting, finds and mining of successful mines all over the Klondike Plateau.

Professionally called upon to stake claims, perform surveys, carry out soil & rock sampling programs and assist geologists with scintillometer and magnometer surveys. For clients as well as on his own ventures, he has been responsible for claim recording and groupings, exploration programs and general property management to maintain claims in good standing by shafting, trenching or drilling.

A ticketed heavy equipment mechanic, welder and millwright. Former partners and employers include Joel White, A1Cat mining, Dave Farley (family), Marty Knutsen, Bob Canamol and most recently Mark Pocklington of GoldBank mining, for whom Sylvain helped target, stake and lead an exploration program on the Leota claim block, that led to the projects successful listing on the TSX venture exchange as GoldBank Mining Corp.

Erini Petroutsas:

Has been employed 10 consecutive summers in the Dawson area as a gold prospector in the field and as geo-tech for drilling projects.

Employment experiences have included being assistant to: Joanna Hodge PhD Geology; Erin O'Brian Masters Geology; Ken Galambos Geologist; Chris Ashe Masters Ultramafic Geology; Kevin Brewer MBA & Geologist. References can be requested from any of the above professionals.

Expenditures 2014

Expenses Report - "Waste-IN" Group
Work Done on Quartz claims:
August 13-17, 20-21, 23-27th, 2014 (12 days) ~ Sept. 4th, 2014 (1 day)

Dates	Personel/Equipment	Description	YMIP Rates	Days Worked	
Aug.13-17,20-21,23-27	Sylvain Montreuil	Operator, prospector.	$350/day	12	4200
Aug13-14,16-17, 26-27	Erini Petroutsas	Prospecting, assistance, recording.	$350/day	6	2100
Aug.13-17,20-21,23-27	Sylvain Montreuil	Living Expenses -	$100/day	12	1200
Aug13-14,16-17, 26-27	Erini Petroutsas	Camp, Equipment, Mish.	$100/day	6	600
Aug.13-17,20-21,23-27	Excavator	John Deere, 2.7Ton , ZTC	$75/hour, 10 hours/day	12	12000
					20,100
20 samples selected	Erini & Sylvain	See sample report	$50 each - (Shipping, prep & assay)	(receipts)	1000
for Assay Analysis					
		Erini Petroutsas with Boris Molack,			
	Report	visiting sites as second opinion.	Estimated at 10% of cost.		2100
~					
Sept. 4	Sylvain Montreuil	IN claims test trenching	$350/day	1	350
	Excavator	for bedrock testing.	$75/hour, 10 hours/day	1	750
Sept.4	Erini Petroutsas	Picking pits & recording info.	$350/day	1	350
Sept.4	Living Expenses 2 people	Camp, Equipment, Mish.	$100/day each	1	200
			Total Expenditure IN Group Aug. 2014:		**$25,850**

Appendix A

UTM Locations Sample, Test Trenching & Prospecting.

2014 Assay Sample Locations

CRYS	07	V	0595345	7097035
WQV3	07	V	0595348	7097034
PurpJ	07	V	0595357	7097040
PurpQ	07	V	0595372	7097034
WaGab	07	V	0595378	7097027
NUG1	07	V	0596250	7096431
NUG2	07	V	0596250	7096430

IN Group – Waste Claims August 2014

Name	Zone		Easting	Northing	Elevation(m)
WV1	07	V	0595307	7097032	481.9
WV2	07	V	0595326	7097040	477.3
BQA	07	V	0595095	7096873	517.6
BQB	07	V	0595103	7096879	515.4
BT1	07	V	0595426	7096775	451.1
BT2	07	V	0595456	7096803	446.8 Black Trench
4Q14	07	V	0595351	7097043	474.0
CRYS	07	V	0595345	7097035	466.6
CUPY	07	V	0595353	7097031	460.6
NRNB	07	V	0595359	7097038	475.5
NRSA	07	V	0595337	7097038	470.9
NRSB	07	V	0595369	7097032	468.2
RY0	07	V	0595319	7097036	476.4
RY0A	07	V	0595336	7097028	475.2
RY0B	07	V	0595364	7097006	467.3
SLATE	07	V	0595476	7097055	461.8
SLFL	07	V	0595472	7097046	460.6
SSA	07	V	0595436	7097038	460.2
SSB	07	V	0595456	7097042	462.7
SSC	07	V	0595464	7097045	469.1
HesterRock-HR	07	V	0595399	7097016	455.1
Hester Ravine-HRQ	07	V	0595339	7097016	
GRAFQZ	07	V	0595300	7097022	481.3
GRFSCT	07	V	0595115	7097103	509.9
PURPLE	07	V	0595357	7097042	467.9
QuartzFragment	07	V	0595226	7097155	503.5
WVLQ	07	V	0595225	7097177	506.3
REAL	07	V	0594964	7097039	519.1
TRAM2A	07	V	0594959	7096989	518.8

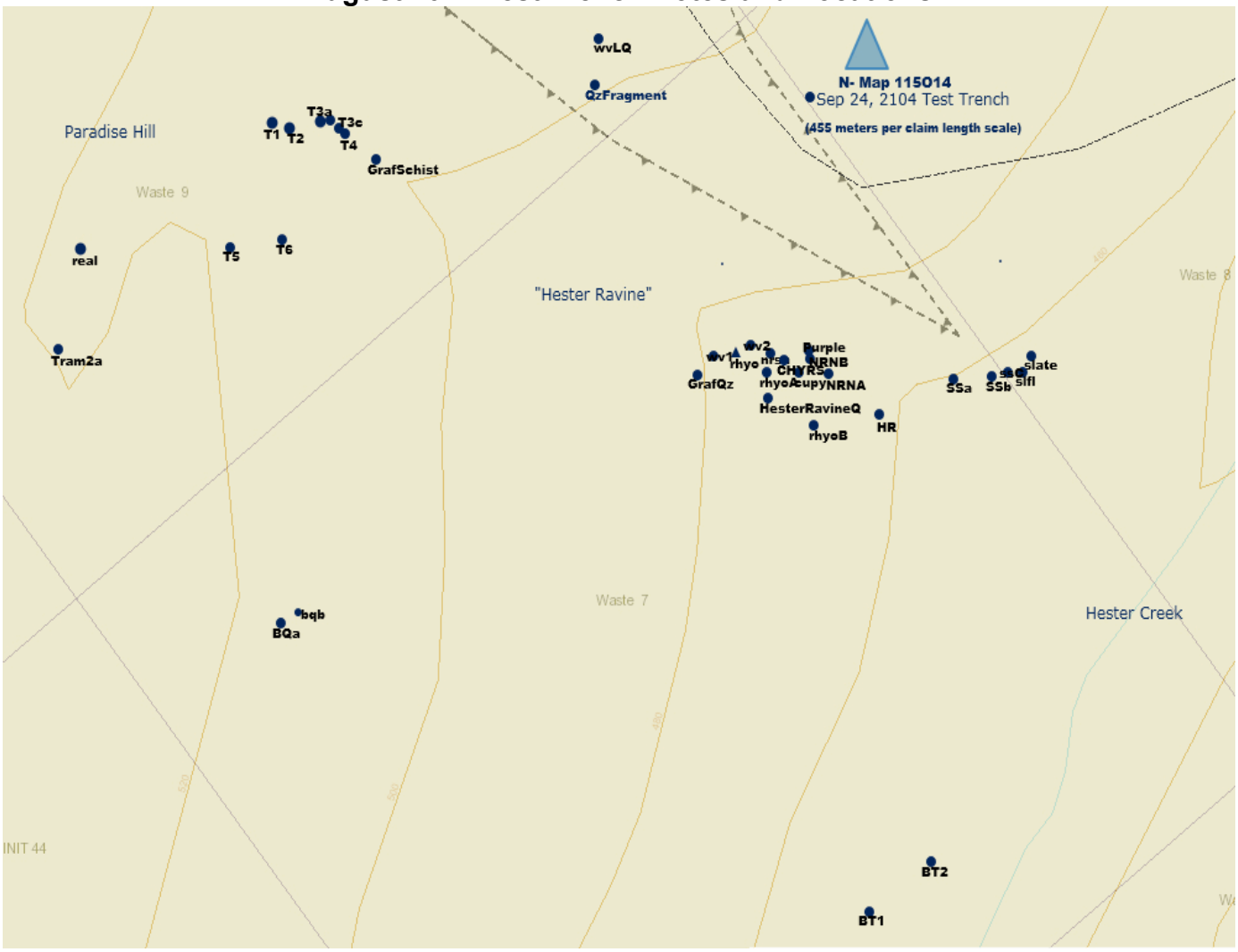
(Too wet 2014 to continue testing at inner bowl of “Tram”.)

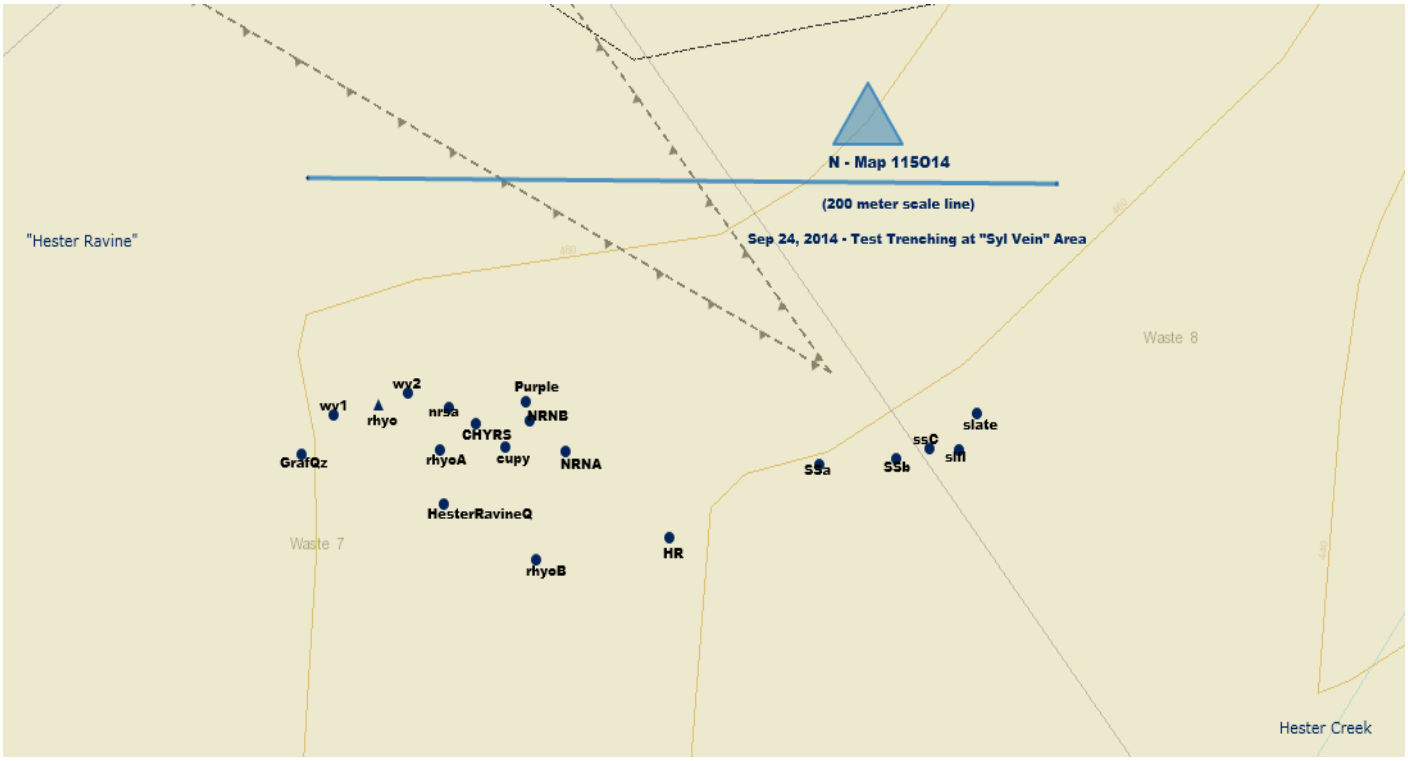
T1	07	V	0595058	7097113	514.8
T2	07	V	0595067	7097112	511.8
T3	07	V	0595083	7097118	511.8
T3B	07	V	0595088	7097119	512.7
T3C	07	V	0595093	7097115	513.0
T3D/T4	07	V	0595097	7097113	513.0
T5	07	V	0595043	7097050	521.5
T6	07	V	0595070	7097058	517.9

IN claims work locations – September 4th, 2014

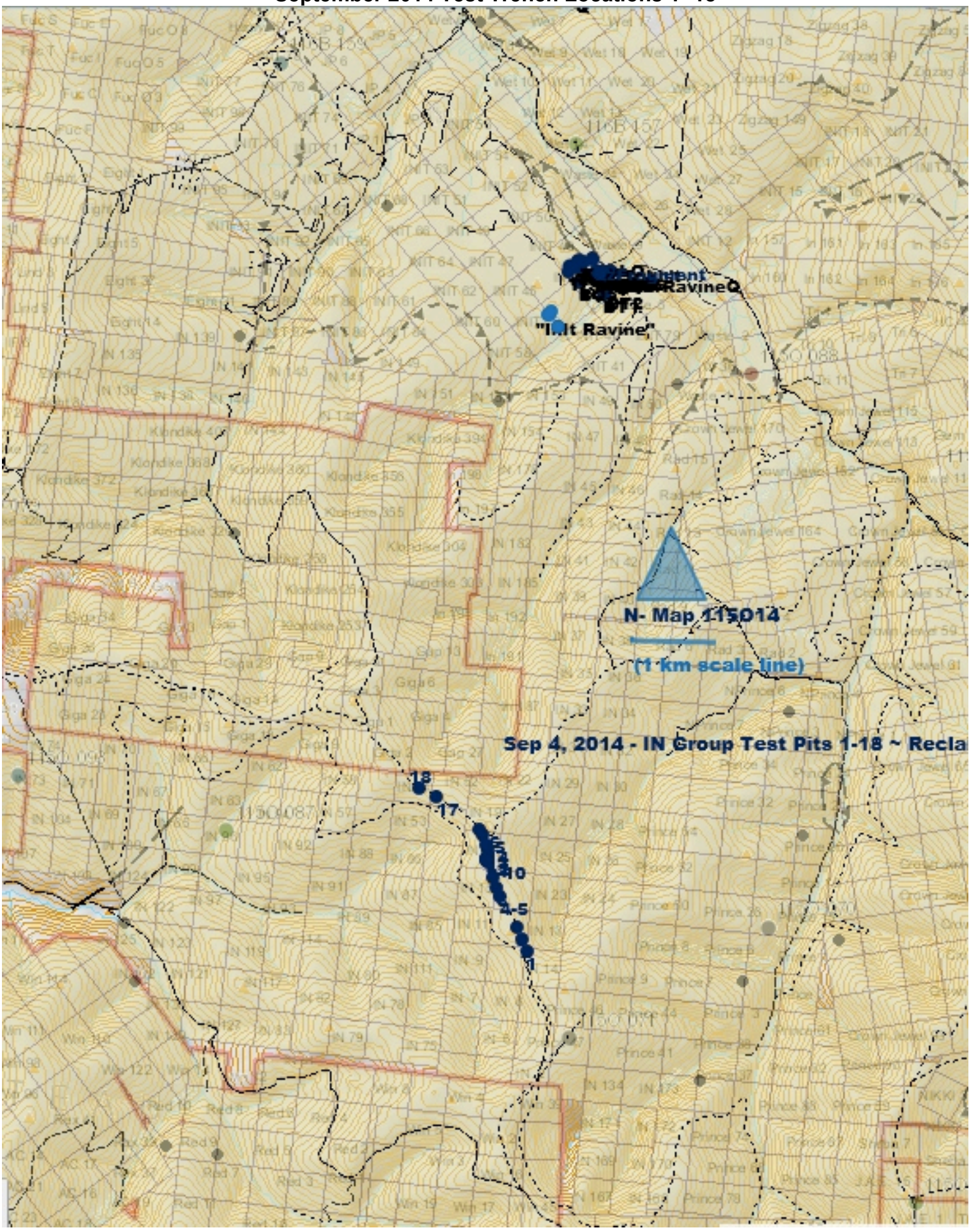
Name	Zone		Easting	Northing	Elevation
1	07	V	0595564	7088630	
2	07	V	0595480	7088749	1036.2
3	07	V	0595403	7088902	1046.8
4	07	V	0595139	7089249	1048.0
5	07	V	0595141	7089253	1050.6
6	07	V	0595090	7089346	1044.4
7	07	V	0595024	7089454	1048.9
8	07	V	0594940	7089634	1038.6
9	07	V	0594926	7089657	1041.2
11	07	V	0594921	7089672	1036.4
12	07	V	0594917	7089685	1037.1
13	07	V	0594911	7089782	1037.1
14	07	V	0594892	7089850	1033.1
15	07	V	0594842	7089959	1038.3
16	07	V	0594776	7090026	1037.9
17	07	V	0594205	7090355	1009.0
18	07	V	0593986	7090432	996.0

August 2014 Test Trench Notes and Locations





September 2014 Test Trench Locations 1- 18



Test Trenching 2014 Notes

Test Trenching on "Hester Hill" and Paradise Hill - August 2014. ~ All areas tested stripped (to bedrock) by previous placer operations, and road accessable.

Location Name	Test Pit Dimensions	Locations, Nad83	Descrition
			Claims: Waste7, 8 & 9
Black Test Trench	40m 50°NE x 0.75m wide x 1-2m deep	595426/7096775	Placer gravel or tailings predominatly black decomposed graphite, housing quartz boulders up to 60cm wide that are clear/white
Closest stripped area			but not highly oxidized. Unable to define any bedrock horizon. This area could have been sluicing spot, rock possibly from elsewhere
to GZ zone on creek			and is composed completely of this graphite "shale" schist. No visible white channel gravel.
where bedrock exposed.			
Tram2a	1 meter depth along 2m of existing pit.	594959/7096989	Hoe brought to Location of Tram, a stripped to bedrock pit. Flooded, by heavy rains this season, unable to trench properly.
Tram "Bowl" Re-Dig			Target for later in season or next year. Duplicate sample taken from tailings.
Tram "Way"	T1 - T5 test pits		Paradise Hill NE Plateau continuation of old Tram workings - Tram way. Bedrock on North Side examined.
T1	6m 20°N x 4m wide x 4m deep	595058/7097113	Very hard, extremely altered carbonate(carbonitite) rock. Vestiges of moss green, 80% of surfaces is oxidizing either orange,
			red, brown, yellow, or all colors together. 8m below surface slope this comes into contact with graphite dipping 5° E, 0.5m thick.
			Graphite for 0.7m is oxidizing yellow & white with sulfur/calcite remnants on both sides of the contact with the brown/orange
			gumbo (green-orange-red-brown-carbonate) again below it. The border at this contact has a more intense black/purple/red.
			At the very bottom of the pit -(meter 4 depth) a fucshite infused Klondike schist encountered. On East side of test Pit clear/grey
			qaurtz barrels (up to 20cm) are seen. Dip 20°W, Strike 20°NE continuous for all bedrock layers.
T2	3m 180°S x 1m wide x 3m deep	595067/7097112	15m south of T1 placer overburden for full 3m depth, no continuation of bedrock system visible. Tailings of Old Workings.
TG	3m 10°N x 1m wide x 1m deep	(Between 2 & 3)	Shale like graphite.
TG2	2m 10°N x 1m wide x 1m deep		Graphite again, flaky and flatly layered.
T3A	1m x1m x 1m	595083/7097118	Into North Hill decomposing exposed bedrock. Fine powdery orange/green decomposition. Finger of graphite in place, though
			also decomposed.
T3B	3m 20° x 2m wide x 3m deep	595088/7097119	Same type of highly altered and red/brown oxidizing (80%) quartz/carbonate/limestone? No graphite alteration. Hard at 3m.
	Sample T3C bags 1&2		
T3C	3m 30°NE x 2m wide x 6m high	595097/7097113	Completely stained (black/purple/red) layer) 0.75m thick layer of cracked "baked" volcanic encountered through graphite schist.
			Sampled for rock type analysis.
T4a-b	13m 60°NE x 1m wide x 3m deep	595096/7097114	Clear quartz infused carbonate rock, white calcite patches. Heavily oxidized orange (70-80%sulfides) & turquiose (30-40% fucshite).
	Samples: Orange/tuquoise quartz/	to	Goo or Gumbo rock has been altered to graphite at this location. Graphite contains remnants & fingers still of this "original" rock.
	gabbro/limestone? No visible sulfides.	595108/7097118	
T5	6m 180°S x 2m wide x 3m deep	595079/7097099	Continuation of graphite (fault) alteration of the same "Gumbo Rock". Barrels of very hard to break quartz (feldspar eyelts) striking
			with the grey fine-textured host rocks - gabbro? Graphite altertion with sericite unable to define strike & dip.
T6	30m 70°NW x 1m wide x 1m deep	595043/7097050	Cross-cut of area uncovered during 2013. Graphite altered chlorite/klondike schist contains turquiose "infused" quartz lenses up to 8cm thick
		to 595070/7097058	Schist is highly decomposed, unable to define strike or dip. Deeper digging recommended to define structure.
Black Quartz Strip	12m 50° NE X 3m wide x 4m deep	595095/7096873	60x70cm clear/grey/black quartz vein, orange/brown ox on 20% of surface. Strikes East, dips 10° East. Encountered at meter1 (south
SouthEast of Tram	1 meter depth taken into the hard-rock	to	end of test pit. Continues at m4 on East Wall (same strike & dip), but much more oxidation as well as large pockets of crystallized
Stripped approx.	on bottom of pit from oxidation, left open.	595103/7096879	quartz indicating hydrothermal activity in this location.
70mNS x 70mEW			From m1 to m12 a layered bedrock system is visible. Starting with a 5cm sericite layer below m1 quartz and ground surface, a 80cm
at bedrock level of	Samples Types:		zone of graphite strikes 160° and dips 50°E. Yellow orange oxidations coat the altered graphite. Below this lies a 50cm layer of quartz
mostly graphite/talc.	Black Quartz		that also runs the same dip & strike entire length of trench. This silica is almost indistinguisable as quartz, completely brown/red/purple
Small amount of	Hydro altered Quartz		highly altered layer (visible for 3 m width of pit on both walls). Below this BrownOx layer another 5-10cm talc/sericite layer continues
white channel tailings.	Brown Ox Layer over 4m		down with the formation. Pure orange completely altered dense "schist" visible to base. At m4 the continuing Quartz vein shows on
			east wall. Sampled over 70x70cm with and hight of vein.
North of Rhyollite	40m 90°E x 16m wide x 4m deep	A) 595319/7097036	m1-4 South: Orange oxidizing carbonate "tuff". Called Rhyolitte by visiting geologists. (Further oxidizes to a pale turquoise/green as seen
Waste Vein location,		to	further down on tailings). North: Dense platy graphite schist, muscovite, orange/red oxidations. Sampled.
directly east of original		B) 595364/7097006	m4-6 Both sides: Red Quartz Veins Area. 1m high(exposed) x 80cm wide Quartz Vein almost completely coated red on all cleavages,
"waste vein rock".	Schist of QV1 & Chrystal Zone		orange & yellow oxidations plus peacock sheen (blue/violet/green).Chalcopyrite/pyrite cubes up to 3 square cm in the quartz and
20 meters of north	"Purple Zone" begins:	595357/7097042	surrounding schist. Black burgandy "juice" veining along cleavages of the brittle quartz/calcite "fissure" vein.
contact with Rhyollite.	Purple Quartz		Quartz Veins #2 & #3, smaller quartz veins, just as heavy and "multihued" with various oxidizing sulfides & minerals. Sulfides such as
	Purple Juice Graphite		mariposite and chalcopyrite visible. All 3 of these veins strike 350°NW. See more details in the sample report.
	Lenses over 4meters (m20-24)		m6-8 Both sides: Purple stained bedded schist cover from surface to 1.5m depth, where purple/red/orange altered "diabase" (cross-
	Diabase Contact with Quartz		cutting calcite & quartz veins through the dense black sulfides rich rock. Looks like gabbro & could be a more altered version of what has
	Ox Graphite with cubic pyrite(m28-32)		been sampled nearby on the creek (GaryCzone). 2 meters below this another "very red" quartz vein also purple stained sampled.
	Samples described in sample report		m8-12 Both sides: Highly altered graphite schists, multiple oxidations and quartz veinlets/lenses run through this mostly incontinent
			schist, used for track stability. Large cubic pyrite/chalcopyrite/iron continue throught this decomposing stuff (from m1).
			m12-16: Soft flaky schist dipping 48°W. Quartz lense from 3-20cm thick through with the bedding also very orange/black "liquid" veining
			on cleavages of the heavy clear white quartz. Surrounding graphite schist contains large amount of oxidations in orange and yellow streaks
			and iron/pyrite cubes up to 2cm square.
			m16-20: Clear bull quartz lenses not as orange as preceeding, same pyrite cubing continues through the graphite.
			m20-24: Lenses of quartz up to 15cm, red/orange oxidation on 60% approx.
			m24-28: Diabase again. Folliated white/clear quartz contacting hydro altered pale yellow powdered pockets, and the diabase basement.
			Quartz lenses in the decomposing schist very red again with yellow mica.
			m28-40: Graphite schist with various oxidations continue. Depth of testings 2meters from here to meter 40 to keep access open.
Hester Ravine	8m 90°E x 2m deep x 0.75m wide	595339/7097016	Flat bedded, highly altered graphite schist strikes 0° directly north. 2 orange red quartz veins uncovered. 1st (westerly) strikes 292°NW,
30meters 120°SE	QV2 & 3 -2014		dips 6°W, dimensions: 30x50cm. The 2nd has the same strike and dip, dimensions of 50x50cm. Orange, yellow, red & black oxidations on
from end of NRhyo Pit.			both veins, as well as liquid veinlet(<2mm) of purple/black/red "juice".

Side Schist	30m 90°E x 3m high(scratch)x3m wide	595436/7097038	Schist strikes NE approx. 40°, dips 64°W.
70meters 80°E		to	m1-4: Denser orange oxidizing graphite, black/slate texture. No quartz or veining.
from end of Nrhyo Pit		595464/7097045	m4-8: Same strike/dip contact where graphites been shorn. Mica/sericite infused, decomposing iron/pyrite cubes (3mm) in the graphite
Slope wall bedrock.			schist which shows vertical folliation. 4-5cm thick quartz lenses white & clear/grey strike & dip with the schist. Small amounts of orange,
			red and mauve oxidations. Rock not completely graphite altered looks like slate with crosscutting quartz veinlets.
			m8-12:Abundant average 1cm square iron/pyrite cubes through the graphite/sericite schist. White quartz lenses 20% clear average 5cm
			thick through the schist. Silver sulfides visible.
			m12-16: Schsit strkes 50°NE, dips 48°W. Flakey "slate" looking, sericite graphite altered. White quartz lenses.
			m16-20: Altered Gabbro? Hard argillite looking rock with crosscutting veinlets of clear quartz up to 5mm wide. Small decompsing pyrite
			cubes decomposing. Graphite altered, folliation which continues to m24.
			m20-24: Orange oxidation between layers of the graphite schist.
			m24-28: Folliation of the grphite schist ends Very decomposed schist with clear/grey quartz veinlets up to 4cm thick. No sulfides visible.
			m28-30: Graphite turns to flaky "shale" texture again. Again quartz veinlets crosscut the "old" rock which could be morphed gabbro.
			Claims: IN12, 14, 15-17, 19, 52, 54
Ridge Trail Tests:	**18 test pits**		**All within 5m of Heritage Trail. Ridge between Bonana & Hunker Creeks. Reclaimed Sept. 2014.**
1	1m **long** x 1m **wide** x 1m **deep**	595564/7088630	Chlorite sericite decomposing schist, 20% quartz banding. No oxidations.
2	1 x 1/2 x 1/2	595480/7088749	Quartz/feldspar bedded between 560% of the chlorite schist. Brown oxidizing cublets in the schist.
3	1 x 1 x 1/2	595403/7088902	Flaky, platy, flat-bedded 50-50% chlorite/sericite schist - quartz/feldspar. Brown ox 1mm square cubes in schist layers.
4	1 x 1 x 1	595139/7089249	Quartz feldspar with slight vestiges of schist between beddings. Cubic iron pyrites up to 1mm.
5	6m 258°W x 1 x 1	595141/7089253	Highly kinked and folliated chlorite schist, 80% quartz/feldpar between beddings. Brown oxidation "veins" in schist vestiges.
6	1/2 x 1/2 x 1/2	595090/7089346	Layers of brown oxidation (avaeraging 2cm thick), through approx. 40% of the folliated, dark-green, slighly crumling chlorite schist.
7	1/2 x 1/2 x 1/2	595024/7089454	Decomosing chlorite/sericite schist from surface to depth.
8	1 x 1 x 1	594940/7089634	Quartz vein carrying vestiges of chlorite/sericite schist at edges (orange/red stained). Quartz is 80% brown on all visible surfaces and
			vein (80cm x 60cm uncovered) strikes through schist in NW direction (approximated untill further opened). Surrounding quartz infused
			chlorite schist also oxidized brown with 1mm cublets and "veining".
9	1/2 x 1/2 x 1/2	594926/7089657	Hard-Rock at surface, chlo/ser schist is approx. 905 infused with quartz bands of same bedding. Brown oxidizing layers <1mm wide at contacts.
10	1/2 x 1/2 x 1/2	594922/7089662	Hard-Rock at surface, chlo/ser schist is approx. 905 infused with quartz bands of same bedding. Brown oxidizing layers <1mm wide at contacts.
11	1 x 1/2 x 1/2	594921/7089672	Quartz/feldpsar veining through the flat-bedded chlorite schist. Dark brown liquid oxidations through hollow areas of thease veinlets/
12	2m SW x 1 x 1	594917/7089685	Brown cubes of oxidized iron/pyrite up to 3mm in the sericite coated, dense chlorite schist. No silica in schist.
13	1 x 1 x 1	594911/7089782	Platey, flakey sericite/chlorite schist for 40cm from surface. Flat horizontal in formation above a layer of complete orange stainging of the
			same type of schist to depth.
14	1/2 x 1/2 x 1/2	594892/7089850	Light brown oxidizing sericite/chlorite schist crumbling to powder.
15	1 x 1 x 1	594842/7089959	Quartz vein at 30cm depth continues past bottom and sides of test pit. White/brittle quartz with approx. 20% brown oxidations. Surrounded by
			folliated chlo/ser schist hosting quartz veinlets up to 10cm thick, 30% orange/brown oxidized. Vein strikes 120°SE.
16	4m 90°E x 3m x 1/2	594776/7090026	Platy chlorite schist, hard at 1/2m depth. Quartz lense fragments have brown "juice" oxidations on outer contacts with schist. Sulfides visible
			around and with this brown liquid veining.
17	1 x 1 x 0.75	594205/7090355	Bedrock at surface. White quartz pieces up to 60x50cm in the sericite/chlorite schist. Brittle white/clear quartz approx. 20% brown/black
			stains and oxidizing" liquid veinlets". Quartz vein seen continuing across trail striking 122°SE.
18	5m 90°E x 0.5 x 0.5	593986/7090432	Bedrock at surface. Quartz infudes chlorite/sericite schist. Bown oxidized iron/pyrite cubes (1mm) and brown oxidation between layers of the
			dense schist/quartz.

Full Assay Certificate

See also PDF attachment on USB.

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Your P.O. #: 9126
Your Project #: WHI15000003

Attention:Susie Woo

Acme Analytical Laboratories Ltd.
9050 Shaughnessy Street
Vancouver, BC
Canada V6P 6E5

Report Date: 2015/03/27
Report #: R3374115
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B533723
Received: 2015/02/25, 10:00

Sample Matrix: SOLID
Samples Received: 60

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Reference
Trace Metals by Neutron Activation	60	N/A	2015/03/13	BQL SOP-00001	Neutron Activation

Remarks:

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Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Simona Vatamanescu,
Email: SVatamanescu@maxxam.ca
Phone# (905)826-3080

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Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Becquerel Laboratories. A Maxxam Company 6790 Kitimat Rd, Unit 4, Mississauga, ON L5N 5L9 Phone: (905) 826-3080 Fax: (905) 826-4151 Toll Free: 1 877-726-3080 www.becquerellabs.com

Report Date: 2015/03/27

Acme Analytical Laboratories Ltd.
Client Project #: WHI15000003
Your P.O. #: 9126

RESULTS OF ANALYSES OF SOLID

Maxxam ID		ZQ6831	ZQ6832	ZQ6833	ZQ6834	ZQ6835	ZQ6836	ZQ6837		
Sampling Date										
	Units	CHRYSA	CHRYSB	CHRYSC	CHRYSD	CHRYSE	CHRYSF	CHRYSG	RDL	QC Batch
Bromine	ppm	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	3933548
Antimony (Sb)	ppm	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	3933548
Arsenic (As)	ppm	171	169	166	202	185	163	156	0.5	3933548
Barium (Ba)	ppm	<50	<50	<50	<50	<50	<50	<50	50	3933548
Calcium (Ca)	ppm	<10000	<10000	<10000	<10000	<10000	<10000	<10000	10000	3933548
Cerium (Ce)	ppm	<3	<3	<3	<3	<3	<3	<3	3	3933548
Cesium (Cs)	ppm	<1	<1	<1	<1	<1	<1	<1	1	3933548
Chromium (Cr)	ppm	<5	<5	<5	<5	<5	<5	<5	5	3933548
Cobalt (Co)	ppm	5	4	4	5	5	4	4	1	3933548
Europium (Eu)	ppm	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	3933548
Gold (Au)	ppm	0.005	0.006	0.005	0.005	0.006	0.006	0.004	0.002	3933548
Hafnium (Hf)	ppm	<1	<1	<1	<1	<1	<1	<1	1	3933548
Iridium (Ir)	ppm	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	3933548
Iron (Fe)	ppm	19000	18000	18000	20100	19300	17300	15700	100	3933548
Lanthanum (La)	ppm	1.1	0.8	0.9	1.1	1.1	0.8	0.8	0.5	3933548
Lutetium (Lu)	ppm	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	3933548
Mercury (Hg)	ppm	<1	<1	<1	<1	<1	<1	<1	1	3933548
Molybdenum (Mo)	ppm	<1	<1	<1	<1	<1	<1	<1	1	3933548
Neodymium (Nd)	ppm	<5	<5	<5	<5	<5	<5	<5	5	3933548
Nickel (Ni)	ppm	<100	<100	<100	<100	<100	<100	<100	100	3933548
Rubidium (Rb)	ppm	<15	<15	<15	<15	<15	<15	<15	15	3933548
Samarium (Sm)	ppm	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.1	3933548
Scandium (Sc)	ppm	0.4	0.3	0.3	0.4	0.4	0.4	0.3	0.1	3933548
Selenium (Se)	ppm	6	6	6	6	6	5	5	3	3933548
Silver (Ag)	ppm	<5	<5	<5	<5	<5	<5	<5	5	3933548
Sodium (Na)	ppm	220	210	220	190	220	180	150	100	3933548
Strontium (Sr)	ppm	<500	<500	<500	<500	<500	<500	<500	500	3933548
Tantalum (Ta)	ppm	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	3933548
Terbium (Tb)	ppm	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	3933548
Thorium (Th)	ppm	0.5	0.3	0.4	0.3	0.4	0.3	0.3	0.2	3933548
Tin (Sn)	ppm	<100	<100	<100	<100	<100	<100	<100	100	3933548
Tungsten (W)	ppm	<1	<1	<1	<1	<1	<1	<1	1	3933548
Uranium (U)	ppm	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	3933548
Ytterbium (Yb)	ppm	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	3933548
Zinc (Zn)	ppm	<50	<50	<50	<50	<50	<50	<50	50	3933548

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Report Date: 2015/03/27

Acme Analytical Laboratories Ltd.
Client Project #: WHI15000003
Your P.O. #: 9126

RESULTS OF ANALYSES OF SOLID

Maxxam ID		ZQ6838	ZQ6839	ZQ6840	ZQ6841	ZQ6842	ZQ6843	ZQ6844		
Sampling Date										
	Units	CHRYSH	WQV1A	WQV1B	WQV1-2A	WQV1-2B	WQV1-2C	WQV1-2D	RDL	QC Batch
Bromine	ppm	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	3933548
Antimony (Sb)	ppm	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	0.1	3933548
Arsenic (As)	ppm	178	32.0	34.0	10.0	10.0	10.0	10.0	0.5	3933548
Barium (Ba)	ppm	<50	<50	<50	<50	<50	<50	<50	50	3933548
Calcium (Ca)	ppm	<10000	<10000	<10000	<10000	<10000	<10000	<10000	10000	3933548
Cerium (Ce)	ppm	<3	<3	<3	<3	<3	<3	<3	3	3933548
Cesium (Cs)	ppm	<1	<1	<1	<1	<1	<1	<1	1	3933548
Chromium (Cr)	ppm	<5	<5	<5	<5	<5	<5	<5	5	3933548
Cobalt (Co)	ppm	5	3	3	<1	<1	<1	<1	1	3933548
Europium (Eu)	ppm	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	3933548
Gold (Au)	ppm	0.006	0.007	0.006	<0.002	<0.002	<0.002	<0.002	0.002	3933548
Hafnium (Hf)	ppm	<1	<1	<1	<1	<1	<1	<1	1	3933548
Iridium (Ir)	ppm	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	3933548
Iron (Fe)	ppm	19000	11900	12600	6500	6900	6400	6600	100	3933548
Lanthanum (La)	ppm	1.1	0.6	0.5	<0.5	<0.5	<0.5	<0.5	0.5	3933548
Lutetium (Lu)	ppm	<0.05	0.13	0.13	<0.05	<0.05	<0.05	<0.05	0.05	3933548
Mercury (Hg)	ppm	<1	<1	<1	<1	<1	<1	<1	1	3933548
Molybdenum (Mo)	ppm	<1	<1	<1	<1	<1	<1	<1	1	3933548
Neodymium (Nd)	ppm	<5	<5	<5	<5	<5	<5	<5	5	3933548
Nickel (Ni)	ppm	<100	<100	<100	<100	<100	<100	<100	100	3933548
Rubidium (Rb)	ppm	<15	<15	<15	<15	<15	<15	<15	15	3933548
Samarium (Sm)	ppm	0.3	0.2	0.2	<0.1	<0.1	<0.1	<0.1	0.1	3933548
Scandium (Sc)	ppm	0.4	0.5	0.6	0.2	0.2	0.2	0.2	0.1	3933548
Selenium (Se)	ppm	7	5	5	<3	<3	<3	<3	3	3933548
Silver (Ag)	ppm	<5	<5	<5	<5	<5	<5	<5	5	3933548
Sodium (Na)	ppm	190	110	100	<100	<100	<100	<100	100	3933548
Strontium (Sr)	ppm	<500	<500	<500	<500	<500	<500	<500	500	3933548
Tantalum (Ta)	ppm	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	3933548
Terbium (Tb)	ppm	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	3933548
Thorium (Th)	ppm	0.3	0.6	0.6	0.4	0.4	0.4	0.4	0.2	3933548
Tin (Sn)	ppm	<100	<100	<100	<100	<100	<100	<100	100	3933548
Tungsten (W)	ppm	<1	<1	<1	<1	<1	<1	<1	1	3933548
Uranium (U)	ppm	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	3933548
Ytterbium (Yb)	ppm	<0.2	0.4	0.4	<0.2	<0.2	<0.2	<0.2	0.2	3933548
Zinc (Zn)	ppm	<50	<50	<50	<50	<50	<50	<50	50	3933548

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Report Date: 2015/03/27

Acme Analytical Laboratories Ltd.
Client Project #: WHI15000003
Your P.O. #: 9126

RESULTS OF ANALYSES OF SOLID

Maxxam ID		ZQ6845	ZQ6846	ZQ6847	ZQ6848	ZQ6849	ZQ6850	ZQ6851		
Sampling Date										
	Units	WQV1-2E	WQV1-2F	WQV1-BA	WQV1-BB	WQV1-BC	WQV1-BD	WQV3A	RDL	QC Batch
Bromine	ppm	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	3933548
Antimony (Sb)	ppm	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	3933548
Arsenic (As)	ppm	10.0	9.1	19.0	20.0	21.0	18.0	5.3	0.5	3933548
Barium (Ba)	ppm	<50	<50	52	<50	<50	<50	180	50	3933548
Calcium (Ca)	ppm	<10000	<10000	<10000	<10000	<10000	<10000	20000	10000	3933548
Cerium (Ce)	ppm	<3	<3	<3	3	<3	<3	6	3	3933548
Cesium (Cs)	ppm	<1	<1	<1	<1	<1	<1	<1	1	3933548
Chromium (Cr)	ppm	<5	<5	<5	6	<5	<5	7	5	3933548
Cobalt (Co)	ppm	<1	<1	4	4	4	3	9	1	3933548
Europium (Eu)	ppm	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.4	0.2	3933548
Gold (Au)	ppm	<0.002	<0.002	0.027	0.021	0.026	0.021	0.374	0.002	3933548
Hafnium (Hf)	ppm	<1	<1	<1	<1	<1	<1	<1	1	3933548
Iridium (Ir)	ppm	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	3933548
Iron (Fe)	ppm	6000	5700	13600	14700	14500	12400	20500	100	3933548
Lanthanum (La)	ppm	<0.5	<0.5	1.0	1.2	1.0	0.8	1.9	0.5	3933548
Lutetium (Lu)	ppm	<0.05	<0.05	0.16	0.18	0.19	0.16	1.40	0.05	3933548
Mercury (Hg)	ppm	<1	<1	<1	<1	<1	<1	<1	1	3933548
Molybdenum (Mo)	ppm	<1	<1	<1	<1	<1	<1	<1	1	3933548
Neodymium (Nd)	ppm	<5	<5	<5	<5	<5	<5	<5	5	3933548
Nickel (Ni)	ppm	<100	<100	<100	<100	<100	<100	<100	100	3933548
Rubidium (Rb)	ppm	<15	<15	<15	<15	<15	<15	<15	15	3933548
Samarium (Sm)	ppm	<0.1	<0.1	0.3	0.4	0.4	0.3	0.9	0.1	3933548
Scandium (Sc)	ppm	0.2	0.2	0.9	1.0	1.0	0.8	3.6	0.1	3933548
Selenium (Se)	ppm	<3	<3	<3	<3	<3	<3	4	3	3933548
Silver (Ag)	ppm	<5	<5	<5	<5	<5	<5	10	5	3933548
Sodium (Na)	ppm	<100	<100	160	140	180	140	320	100	3933548
Strontium (Sr)	ppm	<500	<500	<500	<500	<500	<500	<500	500	3933548
Tantalum (Ta)	ppm	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	3933548
Terbium (Tb)	ppm	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	3933548
Thorium (Th)	ppm	0.4	0.3	1.1	1.2	1.1	1.2	1.6	0.2	3933548
Tin (Sn)	ppm	<100	<100	<100	<100	<100	<100	<100	100	3933548
Tungsten (W)	ppm	<1	<1	<1	<1	<1	<1	<1	1	3933548
Uranium (U)	ppm	<0.5	<0.5	0.5	0.5	0.5	0.6	1.6	0.5	3933548
Ytterbium (Yb)	ppm	<0.2	<0.2	0.6	0.7	0.7	0.6	5.5	0.2	3933548
Zinc (Zn)	ppm	<50	<50	<50	<50	<50	<50	<50	50	3933548

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Report Date: 2015/03/27

Acme Analytical Laboratories Ltd.
Client Project #: WHI15000003
Your P.O. #: 9126

RESULTS OF ANALYSES OF SOLID

Maxxam ID		ZQ6852		ZQ6853		ZQ6854		ZQ6855		ZQ6856		
Sampling Date												
	Units	WQV3B	RDL	WQV3C	RDL	PURPJSA	RDL	PURPJSB	RDL	PURPJSC	RDL	QC Batch
Bromine	ppm	<0.5	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	3933548
Antimony (Sb)	ppm	<0.1	0.1	<0.1	0.1	0.3	0.1	0.2	0.1	0.2	0.1	3933548
Arsenic (As)	ppm	5.0	0.5	3.8	0.5	19.0	0.5	19.0	0.5	22.0	0.5	3933548
Barium (Ba)	ppm	150	50	140	50	1500	50	1600	50	1600	50	3933548
Calcium (Ca)	ppm	21000	10000	20000	10000	<10000	10000	<10000	10000	<10000	10000	3933548
Cerium (Ce)	ppm	6	3	5	3	110	3	110	3	110	3	3933548
Cesium (Cs)	ppm	<1	1	<1	1	7	1	6	1	6	1	3933548
Chromium (Cr)	ppm	7	5	6	5	98	5	99	5	98	5	3933548
Cobalt (Co)	ppm	9	1	8	1	19	1	18	1	19	1	3933548
Europium (Eu)	ppm	0.4	0.2	0.5	0.2	1.9	0.2	1.9	0.2	2.1	0.2	3933548
Gold (Au)	ppm	0.434	0.002	0.306	0.002	<0.002	0.002	0.008	0.002	<0.002	0.002	3933548
Hafnium (Hf)	ppm	<1	1	<1	1	6	1	7	1	7	1	3933548
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	3933548
Iron (Fe)	ppm	19800	100	18400	100	46400	100	46400	100	47700	100	3933548
Lanthanum (La)	ppm	1.8	0.5	1.6	0.5	47.0	0.5	47.0	0.5	49.0	0.5	3933548
Lutetium (Lu)	ppm	1.70	0.05	1.50	0.05	0.55	0.05	0.56	0.05	0.59	0.05	3933548
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	<1	1	3933548
Molybdenum (Mo)	ppm	<2.7	2.7	<2.4	2.4	<3.2	3.2	<2.7	2.7	<5.1	5.1	3933548
Neodymium (Nd)	ppm	5	5	<5	5	41	5	41	5	41	5	3933548
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	<100	100	3933548
Rubidium (Rb)	ppm	<15	15	<15	15	150	15	140	15	140	15	3933548
Samarium (Sm)	ppm	0.9	0.1	0.8	0.1	9.2	0.1	9.3	0.1	10.0	0.1	3933548
Scandium (Sc)	ppm	3.8	0.1	3.4	0.1	19.6	0.1	19.8	0.1	20.2	0.1	3933548
Selenium (Se)	ppm	<3	3	4	3	<3	3	5	3	7	3	3933548
Silver (Ag)	ppm	11	5	10	5	<5	5	<5	5	<5	5	3933548
Sodium (Na)	ppm	300	100	280	100	10000	100	10000	100	10100	100	3933548
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	<500	500	3933548
Tantalum (Ta)	ppm	<0.5	0.5	<0.5	0.5	1.9	0.5	1.4	0.5	0.9	0.5	3933548
Terbium (Tb)	ppm	<0.5	0.5	<0.5	0.5	1.3	0.5	1.3	0.5	1.3	0.5	3933548
Thorium (Th)	ppm	1.6	0.2	1.3	0.2	14.0	0.2	14.0	0.2	15.0	0.2	3933548
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	<100	100	3933548
Tungsten (W)	ppm	<1	1	<1	1	24	1	23	1	24	1	3933548
Uranium (U)	ppm	1.4	0.5	1.3	0.5	3.7	0.5	3.8	0.5	3.5	0.5	3933548
Ytterbium (Yb)	ppm	6.2	0.2	5.5	0.2	3.6	0.2	3.7	0.2	3.6	0.2	3933548
Zinc (Zn)	ppm	<50	50	<50	50	120	50	110	50	110	50	3933548

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Report Date: 2015/03/27

Acme Analytical Laboratories Ltd.
Client Project #: WHI15000003
Your P.O. #: 9126

RESULTS OF ANALYSES OF SOLID

Maxxam ID		ZQ6857	ZQ6858	ZQ6859	ZQ6860		ZQ6861		ZQ6862		
Sampling Date											
	Units	PURPQA	PURPQB	PURPQC	PURPQD	RDL	WAGABA	RDL	WAGABB	RDL	QC Batch
Bromine	ppm	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	3933548
Antimony (Sb)	ppm	<0.1	<0.1	0.1	0.1	0.1	0.2	0.1	<0.1	0.1	3933548
Arsenic (As)	ppm	25.0	24.0	24.0	29.0	0.5	17.0	0.5	16.0	0.5	3933548
Barium (Ba)	ppm	140	140	120	160	50	130	50	77	50	3933548
Calcium (Ca)	ppm	14000	14000	14000	13000	10000	37000	10000	32000	10000	3933548
Cerium (Ce)	ppm	6	6	6	7	3	44	3	46	3	3933548
Cesium (Cs)	ppm	<1	<1	<1	<1	1	<1	1	<1	1	3933548
Chromium (Cr)	ppm	8	7	8	11	5	60	5	60	5	3933548
Cobalt (Co)	ppm	11	10	10	11	1	20	1	20	1	3933548
Europium (Eu)	ppm	0.3	0.3	0.2	0.3	0.2	1.4	0.2	1.4	0.2	3933548
Gold (Au)	ppm	0.150	0.086	0.075	0.089	0.002	0.005	0.002	0.006	0.002	3933548
Hafnium (Hf)	ppm	<1	<1	<1	<1	1	5	1	5	1	3933548
Iridium (Ir)	ppm	<0.005	<0.005	<0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	3933548
Iron (Fe)	ppm	27800	27900	26900	29700	100	35300	100	34000	100	3933548
Lanthanum (La)	ppm	2.3	2.3	2.1	2.7	0.5	20.0	0.5	19.0	0.5	3933548
Lutetium (Lu)	ppm	1.00	1.00	1.00	1.10	0.05	0.42	0.05	0.42	0.05	3933548
Mercury (Hg)	ppm	<1	<1	<1	<1	1	<1	1	<1	1	3933548
Molybdenum (Mo)	ppm	<1	<1	<1	<1	1	<4.2	4.2	<4.4	4.4	3933548
Neodymium (Nd)	ppm	<5	<5	<5	<5	5	18	5	18	5	3933548
Nickel (Ni)	ppm	<100	<100	<100	<100	100	<100	100	<100	100	3933548
Rubidium (Rb)	ppm	<15	<15	<15	<15	15	<15	15	<15	15	3933548
Samarium (Sm)	ppm	0.9	0.9	0.8	0.9	0.1	4.8	0.1	4.8	0.1	3933548
Scandium (Sc)	ppm	3.2	3.2	2.9	3.2	0.1	4.1	0.1	3.9	0.1	3933548
Selenium (Se)	ppm	7	6	7	7	3	4	3	<3	3	3933548
Silver (Ag)	ppm	6	6	7	<5	5	<5	5	<5	5	3933548
Sodium (Na)	ppm	490	440	410	550	100	50200	100	49600	100	3933548
Strontium (Sr)	ppm	<500	<500	<500	<500	500	<500	500	<500	500	3933548
Tantalum (Ta)	ppm	<0.5	<0.5	<0.5	<0.5	0.5	2.0	0.5	2.2	0.5	3933548
Terbium (Tb)	ppm	<0.5	<0.5	<0.5	<0.5	0.5	1.3	0.5	1.0	0.5	3933548
Thorium (Th)	ppm	2.1	2.1	1.9	2.3	0.2	8.0	0.2	7.9	0.2	3933548
Tin (Sn)	ppm	<100	<100	<100	<100	100	<100	100	<100	100	3933548
Tungsten (W)	ppm	<1	<1	<1	<1	1	6	1	4	1	3933548
Uranium (U)	ppm	1.3	1.4	1.3	1.4	0.5	5.5	0.5	5.3	0.5	3933548
Ytterbium (Yb)	ppm	3.9	3.8	3.6	4.0	0.2	2.6	0.2	2.6	0.2	3933548
Zinc (Zn)	ppm	<50	<50	<50	<50	50	58	50	82	50	3933548

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Report Date: 2015/03/27

Acme Analytical Laboratories Ltd.
Client Project #: WHI15000003
Your P.O. #: 9126

RESULTS OF ANALYSES OF SOLID

Maxxam ID		ZQ6865		ZQ6868	ZQ6873	ZQ6877	ZQ6880	ZQ6882		
Sampling Date										
	Units	WAGABC	RDL	GZ1A	GZ1B	GZ1C	GZ2A	GZ2B	RDL	QC Batch
Bromine	ppm	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	3933548
Antimony (Sb)	ppm	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	0.2	0.1	3933548
Arsenic (As)	ppm	18.0	0.5	148	158	151	57.8	64.0	0.5	3933548
Barium (Ba)	ppm	140	50	450	480	500	460	530	50	3933548
Calcium (Ca)	ppm	30000	10000	17000	19000	19000	110000	120000	10000	3933548
Cerium (Ce)	ppm	47	3	15	16	18	18	20	3	3933548
Cesium (Cs)	ppm	<1	1	1	1	<1	<1	<1	1	3933548
Chromium (Cr)	ppm	60	5	22	25	22	10	12	5	3933548
Cobalt (Co)	ppm	21	1	10	11	10	6	6	1	3933548
Europium (Eu)	ppm	1.6	0.2	0.6	0.6	0.5	0.8	0.8	0.2	3933548
Gold (Au)	ppm	<0.002	0.002	0.004	0.007	<0.002	<0.002	<0.002	0.002	3933548
Hafnium (Hf)	ppm	5	1	1	1	1	1	1	1	3933548
Iridium (Ir)	ppm	<0.005	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	3933548
Iron (Fe)	ppm	36700	100	30400	31800	31600	36400	37400	100	3933548
Lanthanum (La)	ppm	20.0	0.5	7.4	7.6	7.4	9.3	10.0	0.5	3933548
Lutetium (Lu)	ppm	0.43	0.05	0.25	0.26	0.25	0.27	0.28	0.05	3933548
Mercury (Hg)	ppm	<1	1	<1	<1	<1	<1	<1	1	3933548
Molybdenum (Mo)	ppm	<4.4	4.4	22	20	23	9	9	1	3933548
Neodymium (Nd)	ppm	17	5	10	10	9	8	9	5	3933548
Nickel (Ni)	ppm	<100	100	<100	<100	<100	<100	<100	100	3933548
Rubidium (Rb)	ppm	<15	15	26	26	17	15	17	15	3933548
Samarium (Sm)	ppm	4.9	0.1	2.1	2.2	2.1	2.2	2.2	0.1	3933548
Scandium (Sc)	ppm	4.3	0.1	3.5	3.8	3.7	3.5	3.7	0.1	3933548
Selenium (Se)	ppm	6	3	4	4	4	<3	<3	3	3933548
Silver (Ag)	ppm	<5	5	<5	<5	<5	<5	<5	5	3933548
Sodium (Na)	ppm	50600	100	7600	8200	8000	2000	2100	100	3933548
Strontium (Sr)	ppm	<500	500	<500	<500	<500	<500	<500	500	3933548
Tantalum (Ta)	ppm	2.0	0.5	<0.5	<0.5	0.6	<0.5	<0.5	0.5	3933548
Terbium (Tb)	ppm	0.9	0.5	0.5	<0.5	<0.5	<0.5	<0.5	0.5	3933548
Thorium (Th)	ppm	8.4	0.2	2.4	2.3	2.3	2.5	2.6	0.2	3933548
Tin (Sn)	ppm	<100	100	<100	<100	<100	<100	<100	100	3933548
Tungsten (W)	ppm	5	1	2	<1	<1	<1	<1	1	3933548
Uranium (U)	ppm	5.2	0.5	1.7	2.0	1.6	2.6	2.4	0.5	3933548
Ytterbium (Yb)	ppm	2.6	0.2	1.5	1.4	1.5	1.5	1.5	0.2	3933548
Zinc (Zn)	ppm	71	50	<50	<50	50	98	96	50	3933548

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Your P.O. #: 9126

RESULTS OF ANALYSES OF SOLID

Maxxam ID		ZQ6883	ZQ6884	ZQ6885	ZQ6886	ZQ6887	ZQ6888	ZQ6889		
Sampling Date										
	Units	GZ2C	GZ2D	GZ2E	GZ2F	GZ2G	GZ2H	GZ2I	RDL	QC Batch
Bromine	ppm	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	3933548
Antimony (Sb)	ppm	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	3933548
Arsenic (As)	ppm	54.5	56.2	68.2	64.4	54.0	62.7	61.1	0.5	3933548
Barium (Ba)	ppm	460	540	510	500	470	520	490	50	3933548
Calcium (Ca)	ppm	110000	120000	120000	110000	120000	120000	120000	10000	3933548
Cerium (Ce)	ppm	18	18	19	18	18	21	18	3	3933548
Cesium (Cs)	ppm	<1	<1	<1	<1	<1	<1	<1	1	3933548
Chromium (Cr)	ppm	11	12	12	12	12	15	11	5	3933548
Cobalt (Co)	ppm	6	6	6	7	6	7	6	1	3933548
Europium (Eu)	ppm	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.2	3933548
Gold (Au)	ppm	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.002	3933548
Hafnium (Hf)	ppm	1	1	1	1	1	1	1	1	3933548
Iridium (Ir)	ppm	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	3933548
Iron (Fe)	ppm	35800	37400	38700	37600	35700	38700	36300	100	3933548
Lanthanum (La)	ppm	9.0	9.5	10.0	10.0	9.3	10.0	9.0	0.5	3933548
Lutetium (Lu)	ppm	0.26	0.27	0.28	0.27	0.27	0.30	0.27	0.05	3933548
Mercury (Hg)	ppm	<1	<1	<1	<1	<1	<1	<1	1	3933548
Molybdenum (Mo)	ppm	7	9	11	10	9	12	10	1	3933548
Neodymium (Nd)	ppm	8	9	11	6	10	12	8	5	3933548
Nickel (Ni)	ppm	<100	<100	<100	<100	<100	<100	<100	100	3933548
Rubidium (Rb)	ppm	17	<15	<15	<15	15	16	16	15	3933548
Samarium (Sm)	ppm	2.1	2.2	2.3	2.2	2.2	2.4	2.2	0.1	3933548
Scandium (Sc)	ppm	3.6	3.8	3.8	3.7	3.6	3.8	3.6	0.1	3933548
Selenium (Se)	ppm	<3	<3	<3	<3	<3	<3	<3	3	3933548
Silver (Ag)	ppm	<5	<5	<5	<5	<5	<5	<5	5	3933548
Sodium (Na)	ppm	2000	2000	2000	2000	2000	2000	2000	100	3933548
Strontium (Sr)	ppm	<500	<500	<500	<500	<500	<500	<500	500	3933548
Tantalum (Ta)	ppm	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	3933548
Terbium (Tb)	ppm	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	0.5	3933548
Thorium (Th)	ppm	2.4	2.6	2.7	2.7	2.6	2.8	2.7	0.2	3933548
Tin (Sn)	ppm	<100	<100	<100	<100	<100	<100	<100	100	3933548
Tungsten (W)	ppm	<1	<1	<1	<1	1	2	<1	1	3933548
Uranium (U)	ppm	2.3	2.4	2.6	2.3	2.6	2.5	2.3	0.5	3933548
Ytterbium (Yb)	ppm	1.5	1.5	1.6	1.6	1.5	1.7	1.6	0.2	3933548
Zinc (Zn)	ppm	92	110	93	100	98	100	100	50	3933548

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Report Date: 2015/03/27

Acme Analytical Laboratories Ltd.
Client Project #: WHI15000003
Your P.O. #: 9126

RESULTS OF ANALYSES OF SOLID

Maxxam ID		ZQ6890	ZQ6891	ZQ6892	ZQ6893		ZQ6894		ZQ6895		
Sampling Date											
	Units	GZ2J	GZ2K	GZ2L	NUG1A	RDL	NUG1B	RDL	NUG1C	RDL	QC Batch
Bromine	ppm	<0.5	<0.5	<0.5	<0.5	0.5	<1	1	<0.5	0.5	3933548
Antimony (Sb)	ppm	<0.1	<0.1	<0.1	1.6	0.1	1.6	0.1	1.4	0.1	3933548
Arsenic (As)	ppm	55.2	57.3	65.7	118	0.5	128	0.5	111	0.5	3933548
Barium (Ba)	ppm	480	480	460	8420	50	8420	50	8530	50	3933548
Calcium (Ca)	ppm	110000	120000	120000	16000	10000	19000	10000	15000	10000	3933548
Cerium (Ce)	ppm	18	19	18	29	3	31	3	27	3	3933548
Cesium (Cs)	ppm	<1	<1	<1	8	1	7	1	8	1	3933548
Chromium (Cr)	ppm	12	11	10	29	5	35	5	27	5	3933548
Cobalt (Co)	ppm	6	6	6	98	1	110	1	99	1	3933548
Europium (Eu)	ppm	0.7	0.7	0.7	0.8	0.2	1.0	0.2	1.0	0.2	3933548
Gold (Au)	ppm	<0.002	<0.002	<0.002	0.012	0.002	0.009	0.002	0.008	0.002	3933548
Hafnium (Hf)	ppm	1	1	2	2	1	2	1	2	1	3933548
Iridium (Ir)	ppm	<0.005	<0.005	<0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	3933548
Iron (Fe)	ppm	36200	36500	37100	193000	100	204000	100	184000	100	3933548
Lanthanum (La)	ppm	8.8	9.3	9.2	14.0	0.5	15.0	0.5	14.0	0.5	3933548
Lutetium (Lu)	ppm	0.26	0.29	0.28	0.68	0.05	0.68	0.05	0.64	0.05	3933548
Mercury (Hg)	ppm	<1	<1	<1	<1	1	<1	1	<1	1	3933548
Molybdenum (Mo)	ppm	9	10	10	189	1	178	1	188	1	3933548
Neodymium (Nd)	ppm	7	10	9	10	5	13	5	8	5	3933548
Nickel (Ni)	ppm	<100	<100	<100	200	100	370	100	230	100	3933548
Rubidium (Rb)	ppm	16	17	15	64	15	50	15	59	15	3933548
Samarium (Sm)	ppm	2.2	2.2	2.1	2.8	0.1	3.0	0.1	2.8	0.1	3933548
Scandium (Sc)	ppm	3.6	3.6	3.7	5.5	0.1	6.0	0.1	5.4	0.1	3933548
Selenium (Se)	ppm	<3	<3	<3	<3	3	<3	3	<3	3	3933548
Silver (Ag)	ppm	<5	<5	<5	<5	5	<5	5	7	5	3933548
Sodium (Na)	ppm	2100	2100	2000	1900	100	2000	100	1800	100	3933548
Strontium (Sr)	ppm	<500	<500	<500	<500	500	<500	500	<500	500	3933548
Tantalum (Ta)	ppm	<0.5	<0.5	<0.5	<0.5	0.5	0.7	0.5	<0.5	0.5	3933548
Terbium (Tb)	ppm	<0.5	<0.5	0.5	1.0	0.5	0.7	0.5	1.1	0.5	3933548
Thorium (Th)	ppm	2.4	2.7	2.7	4.9	0.2	5.5	0.2	4.7	0.2	3933548
Tin (Sn)	ppm	<100	<100	<100	<100	100	<100	100	<100	100	3933548
Tungsten (W)	ppm	2	<1	<1	11	1	13	1	11	1	3933548
Uranium (U)	ppm	2.0	2.4	3.4	32.0	0.5	36.0	0.5	32.0	0.5	3933548
Ytterbium (Yb)	ppm	1.5	1.6	1.6	3.6	0.2	3.7	0.2	3.5	0.2	3933548
Zinc (Zn)	ppm	100	100	94	1700	50	1700	50	1700	50	3933548

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Report Date: 2015/03/27

Acme Analytical Laboratories Ltd.
Client Project #: WHI15000003
Your P.O. #: 9126

RESULTS OF ANALYSES OF SOLID

Maxxam ID		ZQ6896		ZQ6897	ZQ6898	ZQ6899		ZQ6900		
Sampling Date										
	Units	NUG1D	RDL	NUG2A	NUG2B	NUG2C	RDL	NUG2D	RDL	QC Batch
Bromine	ppm	<0.5	0.5	<1.4	<1.4	<1.4	1.4	<1.5	1.5	3933548
Antimony (Sb)	ppm	1.6	0.1	2.9	2.8	3.0	0.1	2.8	0.1	3933548
Arsenic (As)	ppm	122	0.5	210	218	203	0.5	217	0.5	3933548
Barium (Ba)	ppm	8110	50	6130	6430	5990	50	6260	50	3933548
Calcium (Ca)	ppm	21000	10000	27000	24000	27000	10000	30000	10000	3933548
Cerium (Ce)	ppm	31	3	38	33	47	3	37	3	3933548
Cesium (Cs)	ppm	8	1	11	11	10	1	11	1	3933548
Chromium (Cr)	ppm	32	5	43	42	45	5	41	5	3933548
Cobalt (Co)	ppm	104	1	387	419	383	1	408	1	3933548
Europium (Eu)	ppm	1.1	0.2	1.3	1.2	1.3	0.2	1.1	0.2	3933548
Gold (Au)	ppm	2.74	0.002	0.010	0.012	0.020	0.002	5.68	0.002	3933548
Hafnium (Hf)	ppm	2	1	3	3	3	1	3	1	3933548
Iridium (Ir)	ppm	<0.005	0.005	<0.005	<0.005	<0.005	0.005	<0.005	0.005	3933548
Iron (Fe)	ppm	196000	100	291000	290000	281000	100	291000	100	3933548
Lanthanum (La)	ppm	15.0	0.5	24.0	24.0	23.0	0.5	24.0	0.5	3933548
Lutetium (Lu)	ppm	0.66	0.05	0.53	0.50	0.51	0.05	0.50	0.05	3933548
Mercury (Hg)	ppm	<1	1	<1	<1	<1	1	<1	1	3933548
Molybdenum (Mo)	ppm	177	1	227	255	240	1	235	1	3933548
Neodymium (Nd)	ppm	10	5	19	21	16	5	14	5	3933548
Nickel (Ni)	ppm	260	100	430	380	460	100	290	100	3933548
Rubidium (Rb)	ppm	56	15	65	79	83	15	82	15	3933548
Samarium (Sm)	ppm	2.9	0.1	3.6	3.7	3.6	0.1	3.7	0.1	3933548
Scandium (Sc)	ppm	5.9	0.1	8.1	8.0	8.0	0.1	8.3	0.1	3933548
Selenium (Se)	ppm	<3	3	<3	<3	<3	3	<3	3	3933548
Silver (Ag)	ppm	7	5	17	22	21	5	26	5	3933548
Sodium (Na)	ppm	2000	100	1700	1600	1600	100	1800	100	3933548
Strontium (Sr)	ppm	<500	500	<500	<500	<500	500	<500	500	3933548
Tantalum (Ta)	ppm	<0.5	0.5	0.5	0.7	0.6	0.5	1.1	0.5	3933548
Terbium (Tb)	ppm	0.9	0.5	1.0	1.5	1.3	0.5	1.4	0.5	3933548
Thorium (Th)	ppm	5.2	0.2	6.4	6.0	6.6	0.2	6.2	0.2	3933548
Tin (Sn)	ppm	<100	100	<100	<100	<100	100	<100	100	3933548
Tungsten (W)	ppm	11	1	11	10	11	1	9	1	3933548
Uranium (U)	ppm	33.0	0.5	47.0	47.0	45.0	0.5	47.0	0.5	3933548
Ytterbium (Yb)	ppm	3.6	0.2	3.4	3.3	3.4	0.2	3.1	0.2	3933548
Zinc (Zn)	ppm	1700	50	1600	1600	1600	50	1600	50	3933548

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Acme Analytical Laboratories Ltd.
Client Project #: WHI15000003
Your P.O. #: 9126

RESULTS OF ANALYSES OF SOLID

Maxxam ID		ZQ6901		ZQ6902		ZQ6903		ZQ6904		
Sampling Date										
	Units	NUG2E	RDL	NUG2F	RDL	NUG2G	RDL	NUG2H	RDL	QC Batch
Bromine	ppm	<1.3	1.3	<1.5	1.5	<1.5	1.5	<1.4	1.4	3933548
Antimony (Sb)	ppm	2.8	0.1	2.9	0.1	2.9	0.1	2.7	0.1	3933548
Arsenic (As)	ppm	203	0.5	220	0.5	216	0.5	209	0.5	3933548
Barium (Ba)	ppm	5870	50	6580	50	6180	50	6110	50	3933548
Calcium (Ca)	ppm	27000	10000	25000	10000	27000	10000	28000	10000	3933548
Cerium (Ce)	ppm	42	3	39	3	49	3	48	3	3933548
Cesium (Cs)	ppm	9	1	10	1	10	1	11	1	3933548
Chromium (Cr)	ppm	42	5	43	5	47	5	49	5	3933548
Cobalt (Co)	ppm	375	1	417	1	409	1	380	1	3933548
Europium (Eu)	ppm	1.3	0.2	1.3	0.2	1.5	0.2	1.1	0.2	3933548
Gold (Au)	ppm	0.012	0.002	0.014	0.002	<0.009	0.009	0.010	0.002	3933548
Hafnium (Hf)	ppm	3	1	3	1	3	1	3	1	3933548
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	3933548
Iron (Fe)	ppm	280000	100	295000	100	292000	100	292000	100	3933548
Lanthanum (La)	ppm	22.0	0.5	24.0	0.5	24.0	0.5	24.0	0.5	3933548
Lutetium (Lu)	ppm	0.52	0.05	0.53	0.05	0.55	0.05	0.60	0.05	3933548
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	3933548
Molybdenum (Mo)	ppm	230	1	254	1	254	1	228	1	3933548
Neodymium (Nd)	ppm	13	5	11	5	18	5	18	5	3933548
Nickel (Ni)	ppm	430	100	470	100	450	100	360	100	3933548
Rubidium (Rb)	ppm	78	15	88	15	97	15	97	15	3933548
Samarium (Sm)	ppm	3.4	0.1	3.7	0.1	3.7	0.1	3.7	0.1	3933548
Scandium (Sc)	ppm	7.8	0.1	8.3	0.1	8.2	0.1	8.3	0.1	3933548
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	3933548
Silver (Ag)	ppm	22	5	25	5	30	5	19	5	3933548
Sodium (Na)	ppm	1600	100	1800	100	1800	100	1600	100	3933548
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	3933548
Tantalum (Ta)	ppm	0.9	0.5	0.6	0.5	0.7	0.5	0.9	0.5	3933548
Terbium (Tb)	ppm	0.9	0.5	1.0	0.5	1.6	0.5	1.2	0.5	3933548
Thorium (Th)	ppm	5.9	0.2	6.8	0.2	6.4	0.2	6.4	0.2	3933548
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	3933548
Tungsten (W)	ppm	7	1	13	1	9	1	10	1	3933548
Uranium (U)	ppm	45.0	0.5	48.0	0.5	46.0	0.5	46.0	0.5	3933548
Ytterbium (Yb)	ppm	3.2	0.2	3.4	0.2	3.5	0.2	3.5	0.2	3933548
Zinc (Zn)	ppm	1600	50	1700	50	1700	50	1600	50	3933548

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Report Date: 2015/03/27

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Client Project #: WHI15000003
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GENERAL COMMENTS

Mo results are interfered with by Mo production from U fission.
Some samples have elevated detection limits due to elevated Ba and Fe..

Results relate only to the items tested.

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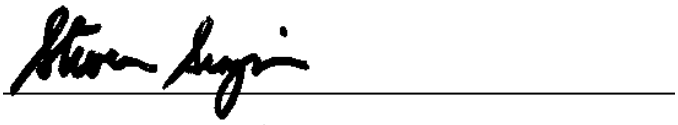
VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



Steven Simpson, Becquerel

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

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