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# Technical Report # 3

CREELMAN, FRALECK, ROBERTS, BERRESFORD Project

Prepared by: Michel Lavoie

Date of completion: April 15, 2019

Person who performed the work: Michel Lavoie (302893) & Corrina Bonhomme (404160)

Mining lands work was performed on:

Townships: CREELMAN, FRALECK & BERESFORD

Claim numbers: 103221, 103222, 110330, 112718, 112719, 114008, 115884, 126211, 127098, 127106, 127107, 128138, 128205, 128206, 132667, 133980, 135628, 140177, 142770, 148703, 150998, 151486, 154435, 163497, 168056, 171237, 171514, 172081, 174471, 190508, 194721, 200770, 201881, 205404, 206463, 207045, 208965, 209013, 209382, 213270, 213272, 213273, 214008, 216928, 217509, 220385, 222858, 222859, 226182, 226183, 228224, 228225, 228357, 228363, 228402, 229470, 229616, 233890, 234756, 236398, 236399, 254292, 256250, 263352, 265894, 267599, 270832, 271410, 271497, 274832, 275634, 275643, 283516, 283454, 287647, 287648, 289988, 294215, 294350, 294457, 300657, 301327, 310791, 311512, 312221, 312222, 315849, 317995, 318813, 323057, 323522, 323664, 324032, 324698, 328622, 328623, 331376, 331377, 332960, 343216

Land owned by:

- 1) Guy Richard (413475)
- 2) Ryan McIlvenna (413402)
- 3) Michel Lavoie (302893)
- 4) Corrina Bonhomme (404160)
- 5) Walter Collins (304083) (Some claims)

Exploration permit #:

Exploration Plan Application PR-17-11175 or PL-17-10801

This report only includes the 2018 assessment work performed by Michel Lavoie and Corrina Bonhomme. We looked for outcrops and documented them with pictures and GPS readings. We also documented some of the samples taken by Guy Richard (413475) and Ryan McIlvenna (413402).

I am including maps, co-ordinates and pictures of 553 different locations on a CD. A descriptive report of folders 881 to 1458 is included. The CD will also include the GPS tracking for 2018. I will deliver it to the MNDM.

The file (2018 Exploration log attendance) Indicate who I seen on the property that day. Guy, Ryan and Walter attended the property, on several occasions, without my knowledge and would not be in this report.

Michel Lavoie & Corrina Bonhomme attended the property 31 times in 2018.

The total food expense for Michel Lavoie & Corrina Bonhomme in 2018 was \$1,632. This is \$26.32 each per day.

The total gas expense for Michel Lavoie & Corrina Bonhomme in 2018, for the truck was \$3,058 (0.50 / km)

The total gas expense for Michel Lavoie & Corrina Bonhomme in 2018, for the quad and the saw was \$50.16

The total 2018 expense for Corrina Bonhommes quad (5 Days) was \$500

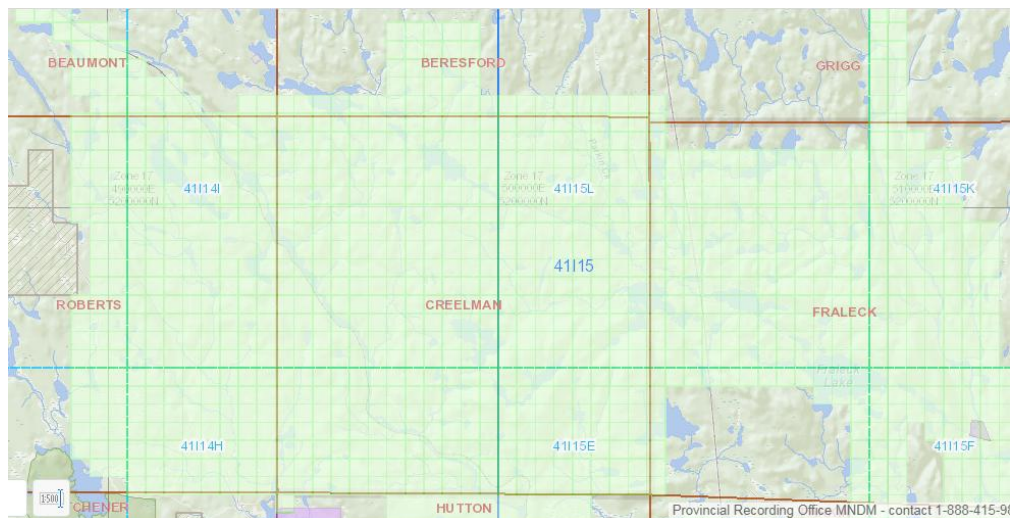
Michel Lavoie also purchased some sample bags. \$21

The total 2018 assessment work expenses for Michel Lavoie and Corrina Bonhomme were \$5,261.

Corrina Bonhomme attended 31 times. Her total sweet equity for 2018 was \$8,800.

Michel Lavoie attended 31 times. My total sweet equity for 2018 was \$13,200.

Map showing where the grass roots prospecting was done:



Access to FRALECK, CREELMAN, ROBERTS, BERRESFORD

In 1967, the Ontario Department of Mines mapped ROBERTS, CREELMAN and FRALECK townships.

The three townships together comprise of about 108 square miles. These properties are located about 25 km north of Capreol and 48 km from Sudbury, Ontario.

To access to the eastern part of FRALECK township, you take the old highway 69, now highway 84 to Capreol. Highway 84 turns into Moose Mountain Mine Road. About 6 km past Capreol, turn right on Portelance Road (Gravel). Continue past Taighwenini Trail Rd. (Paved)

PARKIN township ends and FRALECK begins a few Kilometers before the North River Bridge turn off. Stay on Portelance Rd pasted the North River turn off and continue North, parallel to the Wanapitei River.

To access the Northern part of FRALECK township or the Southern part of GRIGG township continue passed the bridge that crosses the Wanapitei River.

To access the Western part of FRALECK township and the Eastern part of CREELMAN township, turn left (Before the bridge) on the service road for the 500-kilovolt transmission line of the Hydro-Electric Power Commission of Ontario. FRALECK township ends and CREELMAN township begins about 1.4 km after the power lines.

To access the Southern part of BERRESFORD township, just continue straight on the gravel service road past Frog lake.

The Canadian National railway crosses the South-Western part of CREELMAN township and the North-Eastern part of Roberts township.

The property has the Vermillion river in the West end and the North Wahnapiatae river in the east. There is a history of alluvial gold being discovered south west and south east of the CREELMAN - FRALECK Properties. People have panned for gold in these areas for over 100 years, with the source of the gold never being discovered.

Sampling in CREELMAN, FRALECK and BERRESFORD Townships has indicated good Au – Cu – Co – Ni - V values in several areas.

2018 Exploration log (Michel Lavoie & Corrina Bonhomme)

27-01-18 Michel Lavoie & Corrina Bonhomme & David Proulx attended camp 1 and cut 2 samples 180 – 181

Drove 113 km in Corrina's truck

28-01-18 Michel Lavoie took pictures of sample 180 – 181

30-01-18 Michel Lavoie and Corrina Bonhomme prepared and delivered samples 180 – 181

14-03-18 Michel Lavoie & Corrina Bonhomme & Guy Richard attended MNDM for presentation on new system.

21-03-18 Michel Lavoie & Corrina Bonhomme & Guy Richard & Ryan McIlvenna attended MNDM for presentation from Dr. Jeremy Richards regarding Links between porphyry and IOCG deposits.

06-05-2018 attended property.

- Checked vehicle and packed equipment
- Attended camp 1 to pick up equipment
- Camp 2 storage container not touched
- Prospected different locations.
- Michel Lavoie & Corrina Bonhomme attended.
- Used Corrina's Truck 201 km
- Used Gps, safety equipment, camera.
- Took GPS reading of 17 different places
- Took pictures of 17 different locations
- We took 12 small rock samples to examine (Not analyzed)
- A total of 133 pictures were taken

28-05-2018 attended property.

- Attended camp 1 the night before
- Picked up equipment
- Checked vehicle and packed equipment
- Prospected different locations.
- Michel Lavoie & Corrina Bonhomme attended.
- Used Corrina's trailer & truck 161 km, rest in quad
- Used Gps, safety equipment, camera.
- Took GPS reading & pictures of different places

02-06-2018 attended property.

- Attended camp 1 the night before
- Picked up equipment
- Checked vehicle and packed equipment
- Prospected different locations.

- Michel Lavoie & Corrina Bonhomme attended.
- Used Corrina's Truck 201 km, quad & Trailer
- Used Gps, safety equipment, camera.
- Took GPS reading & pictures of different places

09-06-2018 attended property.

- Attended camp 1 the night before
- Picked up equipment
- Checked vehicle and packed equipment
- Prospected different locations.
- Michel Lavoie & Corrina Bonhomme attended.
- Used Corrina's Truck 163 km
- Used Gps, safety equipment, camera.
- Took GPS reading & pictures of different places

21-06-2018 attended property.

- Attended camp 1 the night before
- Picked up equipment
- Checked vehicle and packed equipment
- Prospected different locations.
- Michel Lavoie & Corrina Bonhomme & Ryan McIlvenna & Dan Zanchetta attended.
- Used Corrina's quad & Trailer & truck 195 km
- Ryan used argo & his trailer (trailer broke on way out)
- Ryan cut samples
- Lost axe where we winched some downed trees
- Used Gps, safety equipment, camera.
- Took GPS reading & pictures of different places

24-06-2018 attended property.

- Attended camp 1 the night before
- Picked up equipment
- Checked vehicle and packed equipment
- Prospected different locations.
- Batteries for GPS failed
- Michel Lavoie & Corrina Bonhomme & Ryan McIlvenna & Walter Collins attended.
- Used Corrina's Truck 206 km, her quad & Trailer
- Ryan used argo & his trailer
- Ryan cut samples
- Used Gps, safety equipment, camera.
- Took GPS reading & pictures of different places

30-06-2018 attended property.

- Attended camp 1 the night before
- Picked up equipment
- Checked vehicle and packed equipment
- Left early because of weather (Very hot)
- Lots of rain and high winds this day
- Prospected different locations & took 3 samples.

- Blade for saw was finished, failed on 4th cut.
- Michel Lavoie & Corrina Bonhomme & David Proulx attended.
- Used Corrina's Truck 170 km, her quad & Trailer
- Used Gps, safety equipment, camera.
- Took GPS reading & pictures of different places

18-07-2018 attended property.

- Attended camp 1 the night before
- Picked up equipment
- Checked vehicle and packed equipment
- Prospected different locations
- Took two half buckets of beach sand
- Took hand samples
- Michel Lavoie & Corrina Bonhomme attended
- Used Corrina's Truck 224 km
- Used Gps, safety equipment, camera.
- Took GPS reading & pictures of different places
- Left camp on day 3 (Cleaned samples and took pictures)

25-07-2018 attended property.

- Attended camp 1 the night before
- Picked up equipment
- Checked vehicle and packed equipment
- Road was rough
- Prospected different locations
- Took 2 hand samples
- Michel Lavoie & Corrina Bonhomme attended
- Used Corrina's Truck 220 km
- Used Gps, safety equipment, camera.
- Took GPS reading & pictures of different places
- Left camp on day 3 (Cleaned samples and took pictures)

31-07-2018 attended property.

- Attended camp 1 to pickup water and equipment
- Checked vehicle and packed equipment
- Road was rough
- Prospected different locations
- Took 9 cut samples
- Michel Lavoie & Corrina Bonhomme & Dan Zanchetta attended
- Used Corrina's Truck & Guy's Truck & Argo
- Used Gps, safety equipment, camera, cut saw.
- Took GPS reading & pictures of different places
- Mileage 208 km (Speedometer)

03-08-2018 attended property.

- Checked vehicle and packed equipment
- Road was rough



- Prospected different locations
- Took 12 cut samples
- Michel Lavoie & Corrina Bonhomme & Dan Zanchetta attended
- Used Corrina's Truck & Guy's Truck & Argo
- Used Gps, safety equipment, camera, cut saw.
- Guy's truck got a flat on Portalance Rd
- Used generator & grinder & lighting
- Had to get to camp 1 and get generator and grinder to remove spare tire
- Took GPS reading & pictures of different places
- Mileage 215 km (Speedometer)

08-08-2018 attended property.

- Attended camp 1 the night before
- Checked vehicle and packed equipment
- Road was rough
- Prospected different locations
- Took 12 samples
- Michel Lavoie & Corrina Bonhomme & Guy Richard & Dan Zanchetta attended
- Seen Ryan getting his broken trailer
- Used Corrina's Truck & Guy's Truck & Argo
- Used Gps, safety equipment, camera, cut saw.
- Took GPS reading & pictures of different places
- Mileage 210 km

12-08-2018 attended property.

- Attended camp 1 the night before
- Checked vehicle and packed equipment
- Road was rough
- Camp 2 trailer and backhoe were moved to Gervais camp site
- Prospected different locations
- Took 6 samples
- Michel Lavoie & Corrina Bonhomme & Dan Zanchetta attended
- Used Corrina's Truck & Guy's Truck & Argo
- Used Gps, safety equipment, camera, cut saw.
- Took GPS reading & pictures of different places
- Mileage 194 km Speedometer

15-08-2018 attended property.

- Attended camp 1 the night before
- Checked vehicle and packed equipment
- Road was rough
- Camp 2 area was leveled with Mr. Gervais' loader.
- Prospected different locations
- Took 8 samples
- Michel Lavoie & Corrina Bonhomme & Dan Zanchetta and some guy driving loader attended
- Dan had problems with Guy's truck (Brakes)
- Used Corrina's Truck 198 km & Guy's Truck & Argo

- Used Gps, safety equipment, camera, cut saw.
- Took GPS reading & pictures of different places

18-08-2018 attended property.

- Attended camp 1 the night before
- Checked vehicle and packed equipment
- Road was rough
- Camp 2 trailer was set up.
- Corrina forgot her keys at gas station in Capreol and had to return
- Prospected different locations
- Took 17 samples
- Michel Lavoie & Corrina Bonhomme & Dan Zanchetta attended
- Used Corrina's Truck & Guy's Truck & Argo
- Used Gps, safety equipment, camera, cut saw.
- Took GPS reading & pictures of different places
- Mileage 306 km – home to camp 1

20-08-2018 attended property.

- Attended camp 1 the night before
- Checked vehicle and packed equipment
- Road was rough
- Guy Richard brought big water tank
- Prospected different locations
- Took samples
- Michel Lavoie & Corrina Bonhomme & Walter Collins & Dan Zanchetta attended
- Used Corrina's Truck & Guy's Truck & Walter's van & Guy's Argo
- Used Gps, safety equipment, camera, cut saw.
- Took GPS reading & pictures of different places
- Mileage 186 km

22-08-2018 attended property.

- Checked vehicle and packed equipment
- Road was rough
- Guy Richard brought big water tank to site  
Not good, could only fill a bit and hard to mobilize
- Put pump into lake
- Prospected different locations
- Took samples
- Michel Lavoie & Corrina Bonhomme & Walter Collins & Dan Zanchetta & Guy Richard & Ryan McIlvenna & Marc attended
- Used Corrina's Truck & Guy's Truck & Walter's van & Guy's Argo & Walters Backhoe
- Used Guy's pump and hosing
- Used Gps, safety equipment, camera, cut saw.
- Took GPS reading & pictures of different places
- Mileage 192 km

26-08-2018 attended property.

Michel Lavoie & Corrina Bonhomme & Dan Zanchetta & Janice attended  
Cleaned High sulfide area  
Put pump into lake  
Dan washed off porphyritic outcrop  
Michel and Corrina helped and explored area  
Used Corrina's Truck & Guy's Truck  
Used Guy's pump and hosing  
Used Gps, safety equipment, camera  
Mileage 205 km

29-08-2018 attended property.

Michel Lavoie & Guy Richard & Ryan McIlvenna & Mark Correau & Mark ? attended  
Used Guy's truck & Ryan's truck & Mark ? truck & Mark Correau drove to Capreol gas station  
Mark used backhoe and it broke while cleaning high gold area  
We explored high gold, sulfide, high copper, Bessie lake, banded bedrock area and more.  
Stopped at Parkins offset dike area to compare (Mark C. Worked on that project)  
Left at 8 Am returned at 4 Pm

05-09-2018 attended property.

Michel Lavoie & Corrina Bonhomme & Guy Richard & Ryan McIlvenna & loader operator & Mark ? & Brent attended  
Used Guy's truck & Ryan's truck & Mark ? truck & Corrina's truck  
Guy & Ryan assisted operator to clean off overburden and did site review with Brent for geophysics in high sulfide area and Bessie lake area  
Michel & Corrina & Mark ? took 4 samples  
It rained a lot  
Michel & Corrina did some exploring  
Used Gps, safety equipment, camera, loader, saw, cutting equipment & argo  
Mileage = 167 km

07-09-2018 attended property

Michel Lavoie & Corrina Bonhomme attended  
GPS and took pictures of area excavated  
Explored different areas, GPS and photographed  
Used Corrina's truck  
Used Gps, safety equipment, camera  
Mileage = 193 km

09-09-2018 attended property

Michel Lavoie & Corrina Bonhomme & Ryan McIlvenna & Mark attended  
We took 4 samples and we air blasted sand off bedrock  
Explored different areas, GPS and photographed  
Used Gps, safety equipment, camera, compressor, saw, cutting equipment & argo  
Mileage = 193 km

11-09-2018 attended property

Michel Lavoie & Corrina Bonhomme & Ryan McIlvenna & Mark & Guy Richards attended  
We took 12 samples and we air blasted sand off bedrock

Explored different areas, GPS and photographed  
Used Gps, safety equipment, camera, compressor, saw, cutting equipment & argo  
Got a flat in front tire of Corrina's truck & argo had flat front tire  
Mileage = 215 km

14-09-2018 attended property  
Michel Lavoie & Corrina Bonhomme & Ryan McIlvenna & Mark attended  
We took 12 samples and we air blasted sand off bedrock & washed bedrock  
Explored different areas, GPS and photographed  
Drive shaft broke on transport  
Used Gps, safety equipment, camera, Transport, pumps & equipment, saw, cutting equipment & argo  
Mileage = 195 km

17-09-2018 attended property  
Michel Lavoie & Corrina Bonhomme & Mark & his friend attended  
We took 3 samples and they repaired drive shaft on transport  
Explored different areas, GPS and photographed  
Used Gps, safety equipment, camera, saw, cutting equipment & argo  
Mileage = 195 km

05-10-2018 attended property  
Michel Lavoie & Corrina Bonhomme & Guy Richard & Ryan McIlvenna & Mark & Walley & Larry attended  
We used Corrina's truck, Guy and Ryan and Mark used there own vehicle  
Used Gps, safety equipment, camera, saw, cutting equipment & argo  
We took 23 samples and explored different areas, GPS and photographed  
Most samples were already cut on a prior occasion  
Mileage = 198 km

12-10-2018 attended property  
Michel Lavoie & Corrina Bonhomme & Ryan McIlvenna & Mark & Shirley MNM & Clayton MNM attended  
Used GPS and camera & Corrina's truck, Ryan's truck and Mark's truck  
We examined different outcrops  
Mileage was 196 km

24-10-2018 attended property  
Michel Lavoie & Corrina Bonhomme & Guy Richard & Mark attended  
Used GPS and camera & Corrina's truck, Guy's truck and Mark's truck  
Picked up 35 samples and examined different outcrops  
Mileage was 204 km

31-10-2018 attended property  
Michel Lavoie & Corrina Bonhomme & Guy Richard attended  
We used Corrina's truck, Guy used his own vehicle  
Used Gps, safety equipment, camera, saw, cutting equipment & argo

We took 19 samples and explored different areas, GPS and photographed  
Mileage was 188 km

02-11-2018 attended property

Michel Lavoie & Corrina Bonhomme & Guy Richard attended

We used Corrina's truck, Guy used his own vehicle

Used Gps, safety equipment, camera, saw, metal detector, cutting equipment & argo

We took 11 samples and explored different areas, GPS and photographed

Mileage was 208 Km

08-11-2018 attended property

Michel Lavoie, Corrina Bonhomme, Guy Richard, Ryan McIlvenna, Mark and Scott the geologist attended

We used Corrina's truck 196 km, Guy and Ryan used their vehicles

Used Gps, safety equipment, camera, saw, metal detector, cutting equipment & argo

We took 12 samples and explored different areas, GPS and photographed outcrops

Date	Picture Date	Claim #	Sample #	Folder #	Township
Prospected					
27/01/2018	28/01/2018	222858	180	882	CREELMAN
27/01/2018	28/01/2018	222858	181	883	CREELMAN
06/05/2018	06/05/2018	128138		884	FRALECK
06/05/2018	06/05/2018	229470		885	FRALECK
06/05/2018	06/05/2018	229470		886	FRALECK
06/05/2018	06/05/2018	229470		887	FRALECK
06/05/2018	06/05/2018	229470		888	FRALECK
06/05/2018	06/05/2018	229470		889	FRALECK
06/05/2018	06/05/2018	229470		890	FRALECK
06/05/2018	06/05/2018	128138	Sample R71-R72	891	FRALECK
06/05/2018	06/05/2018	343216		892	FRALECK
06/05/2018	06/05/2018	343216		893	FRALECK
06/05/2018	06/05/2018	343216		894	FRALECK
06/05/2018	06/05/2018	213273		895	FRALECK
06/05/2018	06/05/2018	213273		896	FRALECK
06/05/2018	06/05/2018	228224		897	CREELMAN
06/05/2018	06/05/2018	172081		898	CREELMAN
06/05/2018	06/05/2018	312222		899	CREELMAN
06/05/2018	06/05/2018	343216		900	FRALECK
06/05/2018	06/05/2018	128138		901	FRALECK
06/05/2018	07/05/2018	128138	Sample R71-R72	902	FRALECK
06/05/2018	14/05/2018	163497	Stromatolite		CREELMAN
06/05/2018	07/05/2018	128138	R71		FRALECK
06/05/2018	07/05/2018	128138	R72		FRALECK
28/05/2018	28/05/2018	315849		903	FRALECK
28/05/2018	28/05/2018	315849		904	FRALECK
28/05/2018	28/05/2018	315849		905	FRALECK
28/05/2018	28/05/2018	315849		906	FRALECK
28/05/2018	28/05/2018	315849		907	FRALECK
28/05/2018	28/05/2018	315849		908	FRALECK
28/05/2018	28/05/2018	213272		909	FRALECK
28/05/2018	28/05/2018	213272		910	FRALECK
28/05/2018	28/05/2018	213272		911	FRALECK
28/05/2018	28/05/2018	213272		912	FRALECK
28/05/2018	28/05/2018	213270		913	FRALECK
28/05/2018	28/05/2018	213270		914	FRALECK
28/05/2018	28/05/2018	213270		915	FRALECK
28/05/2018	28/05/2018	213270		916	FRALECK
28/05/2018	28/05/2018	213270		917	FRALECK

28/05/2018	28/05/2018	328623		918	FRALECK
28/05/2018	28/05/2018	328623		919	FRALECK
28/05/2018	28/05/2018	328623		920	FRALECK
28/05/2018	28/05/2018	328623		921	FRALECK
28/05/2018	28/05/2018	148703		922	FRALECK
28/05/2018	28/05/2018	148703		923	FRALECK
28/05/2018	28/05/2018	148703		924	FRALECK
28/05/2018	28/05/2018	148703		925	FRALECK
28/05/2018	28/05/2018	270832		926	FRALECK
28/05/2018	28/05/2018	270832		927	FRALECK
28/05/2018	28/05/2018	270832		928	FRALECK
28/05/2018	28/05/2018	270832		929	FRALECK
28/05/2018	28/05/2018	270832		930	FRALECK
28/05/2018	28/05/2018	168056		931	FRALECK
28/05/2018	28/05/2018	168056		932	FRALECK
28/05/2018	28/05/2018	168056		933	FRALECK
28/05/2018	28/05/2018	168056		934	FRALECK
28/05/2018	28/05/2018	168056		935	FRALECK
28/05/2018	28/05/2018	168056		936	FRALECK
28/05/2018	28/05/2018	112718		950	FRALECK
28/05/2018	28/05/2018	151486		951	FRALECK
28/05/2018	28/05/2018	151486		952	FRALECK
28/05/2018	28/05/2018	209382		953	FRALECK
28/05/2018	28/05/2018	209382		954	FRALECK
28/05/2018	28/05/2018	209382		955	FRALECK
28/05/2018	28/05/2018	201881		956	FRALECK
28/05/2018	28/05/2018	201881	Sample R-67	957	FRALECK
28/05/2018	28/05/2018	283454		957	FRALECK
28/05/2018	28/05/2018	283454		958	FRALECK
02/06/2018	02/06/2018	151486		959	FRALECK
02/06/2018	02/06/2018	283454		960	FRALECK
02/06/2018	02/06/2018	283454		961	FRALECK
02/06/2018	02/06/2018	283454		962	FRALECK
02/06/2018	02/06/2018	283454		963	FRALECK
02/06/2018	02/06/2018	283454		964	FRALECK
02/06/2018	02/06/2018	283454		965	FRALECK
02/06/2018	02/06/2018	283454		966	FRALECK
02/06/2018	02/06/2018	283454		967	FRALECK
02/06/2018	02/06/2018	300657		968	FRALECK
02/06/2018	02/06/2018	300657		969	FRALECK
02/06/2018	02/06/2018	300657		970	FRALECK
02/06/2018	02/06/2018	263352		971	FRALECK
02/06/2018	02/06/2018	216928		972	FRALECK
02/06/2018	02/06/2018	216928		973	FRALECK
02/06/2018	02/06/2018	112719		974	FRALECK
02/06/2018	02/06/2018	112719		975	FRALECK

02/06/2018	02/06/2018	112719		976	FRALECK
02/06/2018	02/06/2018	265894		977	FRALECK
02/06/2018	02/06/2018	323057		978	FRALECK
02/06/2018	02/06/2018	311512		979	FRALECK
02/06/2018	02/06/2018	190508		980	FRALECK
02/06/2018	02/06/2018	190508		981	FRALECK
02/06/2018	02/06/2018	190508		982	FRALECK
02/06/2018	02/06/2018	318813		983	FRALECK
02/06/2018	02/06/2018	318813		984	FRALECK
02/06/2018	02/06/2018	228402		985	FRALECK
02/06/2018	02/06/2018	233890		986	FRALECK
02/06/2018	02/06/2018	301327		987	CREELMAN
02/06/2018	02/06/2018	234756		988	CREELMAN
02/06/2018	02/06/2018	271497		989	CREELMAN
02/06/2018	02/06/2018	254292		990	CREELMAN
02/06/2018	02/06/2018	254292		991	CREELMAN
02/06/2018	02/06/2018	254292		992	CREELMAN
02/06/2018	02/06/2018	150998		993	CREELMAN
02/06/2018	02/06/2018	206463		994	CREELMAN
02/06/2018	02/06/2018	228363		995	CREELMAN
02/06/2018	02/06/2018	234756		996	CREELMAN
02/06/2018	02/06/2018	289988		997	FRALECK
09/06/2018	09/06/2018	283454		998	FRALECK
09/06/2018	09/06/2018	283454		999	FRALECK
09/06/2018	09/06/2018	283454		1000	FRALECK
09/06/2018	09/06/2018	283454		1001	FRALECK
09/06/2018	09/06/2018	283454		1002	FRALECK
09/06/2018	09/06/2018	283454		1003	FRALECK
09/06/2018	09/06/2018	283454		1004	FRALECK
09/06/2018	09/06/2018	283454		1005	FRALECK
09/06/2018	09/06/2018	283454		1006	FRALECK
09/06/2018	09/06/2018	283454		1007	FRALECK
09/06/2018	09/06/2018	283454		1008	FRALECK
09/06/2018	09/06/2018	283454		1009	FRALECK
09/06/2018	09/06/2018	151486		1010	FRALECK
09/06/2018	09/06/2018	151486		1011	FRALECK
09/06/2018	09/06/2018	151486		1012	FRALECK
09/06/2018	09/06/2018	315849		1013	FRALECK
09/06/2018	09/06/2018	343216		1014	FRALECK
09/06/2018	09/06/2018	343216		1015	FRALECK
09/06/2018	09/06/2018	343216		1016	FRALECK
09/06/2018	09/06/2018	343216		1017	FRALECK
09/06/2018	09/06/2018	343216		1018	FRALECK
09/06/2018	09/06/2018	229470		1019	FRALECK
09/06/2018	09/06/2018	229470		1020	FRALECK
09/06/2018	09/06/2018	328622		1021	FRALECK



09/06/2018	09/06/2018	194721		1022	FRALECK
21/06/2018	21/06/2018	127107		1027	CREELMAN
21/06/2018	21/06/2018	127107		1028	CREELMAN
21/06/2018	21/06/2018	127107		1029	CREELMAN
21/06/2018	21/06/2018	127107		1030	CREELMAN
21/06/2018	21/06/2018	127107		1031	CREELMAN
21/06/2018	21/06/2018	220385		1032	CREELMAN
21/06/2018	21/06/2018	103221		1033	CREELMAN
21/06/2018	21/06/2018	228357		1034	CREELMAN
21/06/2018	21/06/2018	228357		1035	CREELMAN
21/06/2018	21/06/2018	228357		1036	CREELMAN
21/06/2018	21/06/2018	228357		1037	CREELMAN
21/06/2018	21/06/2018	267599		1038	CREELMAN
21/06/2018	21/06/2018	267599		1039	CREELMAN
21/06/2018	21/06/2018	267599		1040	CREELMAN
21/06/2018	21/06/2018	267599		1041	CREELMAN
21/06/2018	21/06/2018	267599		1042	CREELMAN
21/06/2018	21/06/2018	127098		1043	CREELMAN
21/06/2018	21/06/2018	127098		1044	CREELMAN
21/06/2018	21/06/2018	127098		1045	CREELMAN
21/06/2018	21/06/2018	214008		1046	CREELMAN
21/06/2018	21/06/2018	214008		1047	CREELMAN
21/06/2018	21/06/2018	127107		1048	CREELMAN
21/06/2018	21/06/2018	324698		1049	FRALECK
21/06/2018	21/06/2018	209382		1050	FRALECK
24/06/2018	24/06/2018	128138		1051	FRALECK
24/06/2018	24/06/2018	171237		1057	FRALECK
24/06/2018	24/06/2018	171237		1058	FRALECK
24/06/2018	24/06/2018	171237		1059	FRALECK
24/06/2018	24/06/2018	171237		1060	FRALECK
24/06/2018	24/06/2018	171237		1061	FRALECK
24/06/2018	24/06/2018	171237		1062	FRALECK
24/06/2018	24/06/2018	324032		1063	FRALECK
24/06/2018	24/06/2018	324032		1064	FRALECK
24/06/2018	24/06/2018	154435		1065	CREELMAN
24/06/2018	24/06/2018			1066	
30/06/2018	30/06/2018	283454	R68	1067	FRALECK
30/06/2018	30/06/2018	283454	R 69	1068	FRALECK
30/06/2018	30/06/2018	151486		1069	FRALECK
30/06/2018	30/06/2018	201881	R67	1070	FRALECK
30/06/2018	30/06/2018	171237		1071	FRALECK
18/07/2018	18/07/2018	228224		1072	CREELMAN
18/07/2018	18/07/2018	208965		1073	CREELMAN

18/07/2018	18/07/2018	208965		1074	CREELMAN
18/07/2018	18/07/2018	208965		1075	CREELMAN
18/07/2018	18/07/2018	174471		1076	CREELMAN
18/07/2018	18/07/2018	275634		1077	CREELMAN
18/07/2018	18/07/2018	323664		1078	CREELMAN
18/07/2018	18/07/2018	294457		1079	CREELMAN
18/07/2018	18/07/2018	127106		1080	CREELMAN
18/07/2018	18/07/2018	274832		1081	CREELMAN
18/07/2018	18/07/2018	229616		1082	CREELMAN
18/07/2018	18/07/2018	229616		1083	CREELMAN
18/07/2018	18/07/2018	229616		1084	CREELMAN
18/07/2018	18/07/2018	274832		1085	CREELMAN
18/07/2018	18/07/2018	274832		1086	CREELMAN
18/07/2018	18/07/2018	274832		1087	CREELMAN
18/07/2018	18/07/2018	274832		1088	CREELMAN
18/07/2018	18/07/2018	274832		1089	CREELMAN
18/07/2018	18/07/2018	323522		1090	CREELMAN
18/07/2018	18/07/2018	171514		1091	CREELMAN
18/07/2018	18/07/2018	171514	R70	1092	CREELMAN
18/07/2018	18/07/2018	171514		1093	CREELMAN
18/07/2018	18/07/2018	171514		1094	CREELMAN
18/07/2018	18/07/2018	132667		1095	CREELMAN
18/07/2018	18/07/2018	132667		1096	CREELMAN
18/07/2018	18/07/2018	132667		1097	CREELMAN
18/07/2018	18/07/2018	132667		1098	CREELMAN
18/07/2018	18/07/2018	332960		1099	CREELMAN
18/07/2018	18/07/2018	271410		1100	CREELMAN
18/07/2018	18/07/2018	133980		1101	CREELMAN
18/07/2018	18/07/2018	171514		1102	CREELMAN
18/07/2018	18/07/2018	171514		1103	CREELMAN
18/07/2018	18/07/2018	132667		1104	CREELMAN
18/07/2018	18/07/2018	132667		1105	CREELMAN
18/07/2018	18/07/2018	132667		1106	CREELMAN
18/07/2018	18/07/2018	217509		1107	CREELMAN
18/07/2018	18/07/2018	217509		1108	CREELMAN
18/07/2018	18/07/2018	217509		1109	CREELMAN
18/07/2018	18/07/2018	217509		1110	CREELMAN
18/07/2018	18/07/2018	217509		1111	CREELMAN
18/07/2018	18/07/2018	217509		1112	CREELMAN
18/07/2018	18/07/2018	217509		1113	CREELMAN
18/07/2018	18/07/2018	217509		1114	CREELMAN
18/07/2018	18/07/2018	217509		1115	CREELMAN
18/07/2018	18/07/2018	217509		1116	CREELMAN
18/07/2018	18/07/2018	217509		1117	CREELMAN
18/07/2018	18/07/2018	283516		1118	CREELMAN
18/07/2018	18/07/2018	205404		1119	CREELMAN
18/07/2018	18/07/2018	331376		1120	CREELMAN

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18/07/2018	19/07/2018			1123	
25/07/2018	25/07/2018	256250		1124	CREELMAN
25/07/2018	25/07/2018	256250		1125	CREELMAN
25/07/2018	25/07/2018	256250		1126	CREELMAN
25/07/2018	25/07/2018	256250	Sample ?	1127	CREELMAN
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25/07/2018	25/07/2018	256250		1129	CREELMAN
25/07/2018	25/07/2018	222859		1130	CREELMAN
25/07/2018	25/07/2018	274832		1131	CREELMAN
25/07/2018	25/07/2018	274832		1132	CREELMAN
25/07/2018	25/07/2018	323522		1133	CREELMAN
25/07/2018	25/07/2018	323522		1134	CREELMAN
25/07/2018	25/07/2018	200770		1135	CREELMAN
25/07/2018	25/07/2018	294215		1136	CREELMAN
25/07/2018	25/07/2018	294215		1137	CREELMAN
25/07/2018	25/07/2018	294215		1138	CREELMAN
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25/07/2018	25/07/2018	294215		1141	CREELMAN
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25/07/2018	25/07/2018	294215		1144	CREELMAN
25/07/2018	25/07/2018	294215		1145	CREELMAN
25/07/2018	25/07/2018	294215		1146	CREELMAN
25/07/2018	25/07/2018	310791		1147	CREELMAN
25/07/2018	25/07/2018	310791		1148	CREELMAN
25/07/2018	25/07/2018	310791		1149	CREELMAN
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25/07/2018	25/07/2018	310791		1151	CREELMAN
25/07/2018	25/07/2018	294215		1152	CREELMAN
25/07/2018	25/07/2018	294215		1153	CREELMAN
25/07/2018	25/07/2018	294215		1154	CREELMAN
25/07/2018	25/07/2018	294215		1155	CREELMAN
25/07/2018	25/07/2018	294215		1156	CREELMAN
25/07/2018	25/07/2018	271410		1157	CREELMAN
25/07/2018	25/07/2018	271410		1158	CREELMAN
25/07/2018	25/07/2018	217509		1159	CREELMAN
25/07/2018	25/07/2018	217509		1160	CREELMAN
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25/07/2018	25/07/2018	283516		1162	CREELMAN
25/07/2018	25/07/2018	283516		1163	CREELMAN
25/07/2018	25/07/2018	331376		1164	CREELMAN
25/07/2018	25/07/2018	331377		1165	CREELMAN
25/07/2018	25/07/2018	331377		1166	CREELMAN

25/07/2018	25/07/2018	331377		1167	CREELMAN
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25/07/2018	25/07/2018	336976		1169	CREELMAN
25/07/2018	25/07/2018	336976		1170	CREELMAN
25/07/2018	25/07/2018	336976		1171	CREELMAN
25/07/2018	25/07/2018	331376		1172	CREELMAN
25/07/2018	25/07/2018	228225		1173	CREELMAN
25/07/2018	26/07/2018			1174	
31/07/2018	31/07/2018	236399		1175	BERESFORD
31/07/2018	31/07/2018	236399		1176	<b>BERESFORD</b>
31/07/2018	01/08/2018		R58		<b>BERESFORD</b>
31/07/2018	31/07/2018	236399		1177	BERESFORD
31/07/2018	01/08/2018		R59		BERESFORD
31/07/2018	31/07/2018	135628		1178	BERESFORD
31/07/2018	01/08/2018		R60		BERESFORD
31/07/2018	31/07/2018	135628		1179	BERESFORD
31/07/2018	01/08/2018		R61		BERESFORD
31/07/2018	31/07/2018	236399		1180	BERESFORD
31/07/2018	01/08/2018		R62		BERESFORD
31/07/2018	31/07/2018	236399		1181	BERESFORD
31/07/2018	01/08/2018		R63		BERESFORD
31/07/2018	31/07/2018	256250		1182	CREELMAN
31/07/2018	01/08/2018		R64		CREELMAN
31/07/2018	31/07/2018	256250		1183	CREELMAN
31/07/2018	01/08/2018		R65		CREELMAN
31/07/2018	31/07/2018	256250		1184	CREELMAN
31/07/2018	01/08/2018		R66		CREELMAN
03/08/2018	03/08/2018	323522		1185	CREELMAN
03/08/2018	04/08/2018		R78		CREELMAN
03/08/2018	03/08/2018	323522		1186	CREELMAN
03/08/2018	04/08/2018		R79		CREELMAN
03/08/2018	03/08/2018	323522		1187	CREELMAN
03/08/2018	03/08/2018	200770		1188	CREELMAN
03/08/2018	04/08/2018		R80		CREELMAN
03/08/2018	03/08/2018	171514		1189	CREELMAN
03/08/2018	04/08/2018		R81		CREELMAN
03/08/2018	03/08/2018	171514		1190	CREELMAN
03/08/2018	03/08/2018	171514		1191	CREELMAN
03/08/2018	03/08/2018	171514		1192	CREELMAN
03/08/2018	03/08/2018	132667		1193	CREELMAN
03/08/2018	03/08/2018	171514		1194	CREELMAN
03/08/2018	04/08/2018		R82		CREELMAN
03/08/2018	03/08/2018	132667		1195	CREELMAN
03/08/2018	04/08/2018		R83		CREELMAN
03/08/2018	03/08/2018	132667		1196	CREELMAN

03/08/2018	04/08/2018		R84		CREELMAN
03/08/2018	03/08/2018	132667		1197	CREELMAN
03/08/2018	04/08/2018		R85		CREELMAN
03/08/2018	03/08/2018	217509		1198	CREELMAN
03/08/2018	04/08/2018		R86		CREELMAN
03/08/2018	03/08/2018	217509		1199	CREELMAN
03/08/2018	04/08/2018		R87		CREELMAN
03/08/2018	03/08/2018	217509		1200	CREELMAN
03/08/2018	04/08/2018		R88		CREELMAN
03/08/2018	04/08/2018		R89		CREELMAN
03/08/2018	03/08/2018	114008		1201	FRALECK
03/08/2018	03/08/2018	114008		1202	FRALECK
03/08/2018	03/08/2018			1203	
03/08/2018	06/08/2018		N/A		
08/08/2018	08/08/2018	171514		1204	CREELMAN
08/08/2018	09/08/2018		R90		CREELMAN
18/07/2018	18/07/2018				
08/08/2018	08/08/2018	217509		1205	CREELMAN
08/08/2018	09/08/2018		R91		CREELMAN
08/08/2018	08/08/2018	217509		1206	CREELMAN
08/08/2018	09/08/2018		R92		CREELMAN
08/08/2018	08/08/2018	217509		1207	CREELMAN
08/08/2018	09/08/2018		R93		CREELMAN
08/08/2018	08/08/2018	217509		1208	CREELMAN
08/08/2018	09/08/2018		R94		CREELMAN
08/08/2018	09/08/2018		R95		CREELMAN
08/08/2018	08/08/2018	217509		1209	CREELMAN
08/08/2018	08/08/2018	217509		1210	CREELMAN
08/08/2018	09/08/2018		R96		CREELMAN
08/08/2018	09/08/2018		R97		CREELMAN
08/08/2018	08/08/2018	331376		1211	CREELMAN
08/08/2018	09/08/2018		R98		CREELMAN
08/08/2018	08/08/2018	331376		1212	CREELMAN
08/08/2018	09/08/2018		R99		CREELMAN
08/08/2018	08/08/2018	256250		1213	CREELMAN
08/08/2018	09/08/2018		R100		CREELMAN
08/08/2018	08/08/2018	256250		1214	CREELMAN
08/08/2018	09/08/2018		R101		CREELMAN
12/08/2018	12/08/2018	Camp 3		1215	CREELMAN
12/08/2018	12/08/2018	171514		1216	CREELMAN
12/08/2018	12/08/2018	171514		1217	CREELMAN
12/08/2018	13/08/2018		R102		CREELMAN
12/08/2018	13/08/2018		R103		CREELMAN
12/08/2018	12/08/2018	171514		1218	CREELMAN
12/08/2018	13/08/2018		R104		CREELMAN

12/08/2018	12/08/2018	217509		1219	CREELMAN
12/08/2018	13/08/2018		R105		CREELMAN
12/08/2018	13/08/2018		R106		CREELMAN
12/08/2018	12/08/2018	200770		1220	CREELMAN
12/08/2018	12/08/2018	312221		1221	CREELMAN
12/08/2018	13/08/2018		R107		CREELMAN
12/08/2018	12/08/2018	312221		1222	CREELMAN
12/08/2018	12/08/2018	148703		1223	FRALECK
12/08/2018	12/08/2018	148703		1224	FRALECK
15/08/2018	16/08/2018	312221		1225	CREELMAN
15/08/2018	16/08/2018		R108		CREELMAN
15/08/2018	16/08/2018		unsampled		
15/08/2018	16/08/2018	312221		1226	CREELMAN
15/08/2018	16/08/2018		R109		CREELMAN
15/08/2018	16/08/2018	163497		1227	CREELMAN
15/08/2018	16/08/2018		R110		CREELMAN
15/08/2018	16/08/2018	163497		1228	CREELMAN
15/08/2018	16/08/2018	163497		1229	CREELMAN
15/08/2018	16/08/2018		R111		CREELMAN
15/08/2018	16/08/2018	163497		1230	CREELMAN
15/08/2018	16/08/2018		R112		CREELMAN
15/08/2018	16/08/2018	163497		1231	CREELMAN
15/08/2018	16/08/2018	163497		1232	CREELMAN
15/08/2018	16/08/2018	163497		1233	CREELMAN
15/08/2018	16/08/2018		R113		CREELMAN
15/08/2018	16/08/2018	128205		1234	CREELMAN
15/08/2018	16/08/2018	128205		1235	CREELMAN
15/08/2018	16/08/2018	163497		1236	CREELMAN
15/08/2018	16/08/2018	128206		1237	CREELMAN
15/08/2018	16/08/2018	128206		1238	CREELMAN
15/08/2018	16/08/2018		R114		CREELMAN
15/08/2018	16/08/2018	128206		1239	CREELMAN
12/08/2018	13/08/2018		R115		CREELMAN
18/08/2018	18/08/2018	140177		1240	FRALECK
18/08/2018	18/08/2018	343216		1241	FRALECK
18/08/2018	18/08/2018	343216		1242	FRALECK
18/08/2018	18/08/2018	343216		1243	FRALECK
18/08/2018	18/08/2018	270832		1244	FRALECK
18/08/2018	21/08/2018		R116		FRALECK
18/08/2018	21/08/2018		R117		FRALECK
18/08/2018	21/08/2018		R118		FRALECK
18/08/2018	18/08/2018	163497		1245	CREELMAN
18/08/2018	19/08/2018		R119		CREELMAN
18/08/2018	21/08/2018				
18/08/2018	19/08/2018		R120		CREELMAN

18/08/2018	21/08/2018				
18/08/2018	21/08/2018		R121		CREELMAN
18/08/2018	21/08/2018		R122		CREELMAN
18/08/2018	21/08/2018		R123		CREELMAN
18/08/2018	21/08/2018		R124		CREELMAN
18/08/2018	18/08/2018	163497		1246	CREELMAN
18/08/2018	18/08/2018	163497		1247	CREELMAN
18/08/2018	18/08/2018	128206		1248	CREELMAN
18/08/2018	21/08/2018		R125		CREELMAN
18/08/2018	21/08/2018		R126		CREELMAN
18/08/2018	18/08/2018	128206		1249	CREELMAN
18/08/2018	18/08/2018	128206		1250	CREELMAN
18/08/2018	21/08/2018		R127		CREELMAN
18/08/2018	18/08/2018	128206		1251	CREELMAN
18/08/2018	21/08/2018		R128		CREELMAN
18/08/2018	21/08/2018		R129		CREELMAN
18/08/2018	21/08/2018		R130		CREELMAN
18/08/2018	18/08/2018	128205		1252	CREELMAN
18/08/2018	18/08/2018	128205		1253	CREELMAN
18/08/2018	21/08/2018		R131		CREELMAN
18/08/2018	18/08/2018	128205		1254	CREELMAN
18/08/2018	21/08/2018		R132		CREELMAN
20/08/2018	20/08/2018	228225		1255	CREELMAN
20/08/2018	21/08/2018		R133		CREELMAN
20/08/2018	21/08/2018		R134		CREELMAN
20/08/2018	21/08/2018		R135		CREELMAN
20/08/2018	21/08/2018		R136		CREELMAN
20/08/2018	21/08/2018		R137		CREELMAN
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20/08/2018	20/08/2018	228225		1257	CREELMAN
20/08/2018	21/08/2018		R138		CREELMAN
20/08/2018	20/08/2018	228225		1258	CREELMAN
20/08/2018	21/08/2018		R139		CREELMAN
20/08/2018	20/08/2018	228225		1259	CREELMAN
20/08/2018	21/08/2018		R140		CREELMAN
20/08/2018	20/08/2018	115884		1260	CREELMAN
20/08/2018	20/08/2018	115884		1261	CREELMAN
20/08/2018	21/08/2018		R141		CREELMAN
20/08/2018	21/08/2018		R142		CREELMAN
20/08/2018	20/08/2018	115884		1262	CREELMAN
20/08/2018	20/08/2018	115884		1263	CREELMAN
20/08/2018	20/08/2018	226183		1264	CREELMAN
20/08/2018	20/08/2018	226183		1265	CREELMAN
20/08/2018	20/08/2018	226183		1266	CREELMAN
20/08/2018	20/08/2018	126211		1267	CREELMAN
20/08/2018	20/08/2018	126211		1268	CREELMAN

20/08/2018	20/08/2018	126211		1269	CREELMAN
20/08/2018	20/08/2018	126211		1270	CREELMAN
20/08/2018	20/08/2018	126211		1271	CREELMAN
20/08/2018	20/08/2018	126211		1272	CREELMAN
20/08/2018	20/08/2018	126211		1273	CREELMAN
20/08/2018	20/08/2018	126211		1274	CREELMAN
20/08/2018	20/08/2018	142770		1275	CREELMAN
22/08/2018	22/08/2018	207045		1276	FRALECK
22/08/2018	22/08/2018	217509		1277	CREELMAN
22/08/2018	22/08/2018	217509		1278	CREELMAN
22/08/2018	22/08/2018	217509		1279	CREELMAN
22/08/2018	22/08/2018	217509		1280	CREELMAN
22/08/2018	22/08/2018	217509		1281	CREELMAN
22/08/2018	22/08/2018	217509		1282	CREELMAN
22/08/2018	22/08/2018	217509		1283	CREELMAN
22/08/2018	22/08/2018	217509		1284	CREELMAN
22/08/2018	24/08/2018		R143		CREELMAN
22/08/2018	24/08/2018		R144		CREELMAN
22/08/2018	22/08/2018	217509		1285	CREELMAN
22/08/2018	24/08/2018		R145		CREELMAN
22/08/2018	22/08/2018	217509		1286	CREELMAN
22/08/2018	22/08/2018	217509		1287	CREELMAN
22/08/2018	22/08/2018	217509		1288	CREELMAN
22/08/2018	24/08/2018		R146		CREELMAN
22/08/2018	24/08/2018		R147		CREELMAN
22/08/2018	22/08/2018	217509		1289	CREELMAN
22/08/2018	22/08/2018	217509		1290	CREELMAN
22/08/2018	23/08/2018		R148		CREELMAN
22/08/2018	24/08/2018		R149		CREELMAN
22/08/2018	24/08/2018		R150		CREELMAN
22/08/2018	24/08/2018		R151		CREELMAN
22/08/2018	22/08/2018	217509		1291	CREELMAN
26/08/2018	26/08/2018	228224		1292	CREELMAN
26/08/2018	26/08/2018	217509		1293	CREELMAN
29/08/2018	29/08/2018			1294	
29/08/2018	30/08/2018				
05/09/2018	05/09/2018	275643		1295	CREELMAN
05/09/2018	05/09/2018	222858		1296	CREELMAN
05/09/2018	06/09/2018		R157		CREELMAN
05/09/2018	05/09/2018	222858		1297	CREELMAN
05/09/2018	06/09/2018		R156		CREELMAN
05/09/2018	05/09/2018	222859		1298	CREELMAN
05/09/2018	06/09/2018		R155		CREELMAN



05/09/2018	06/09/2018		R154		CREELMAN
05/09/2018	05/09/2018	222859		1299	CREELMAN
05/09/2018	06/09/2018		R153		CREELMAN
05/09/2018	06/09/2018		R152		CREELMAN
05/09/2018	05/09/2018	275643		1300	CREELMAN
05/09/2018	05/09/2018	294350		1301	FRALECK
05/09/2018	05/09/2018	283454		1302	FRALECK
05/09/2018	05/09/2018	283454		1303	FRALECK
05/09/2018	05/09/2018	317995		1304	FRALECK
07/09/2018	07/09/2018	228224		1305	CREELMAN
07/09/2018	07/09/2018	228224		1306	CREELMAN
07/09/2018	07/09/2018	228224		1307	CREELMAN
07/09/2018	07/09/2018	228224		1308	CREELMAN
07/09/2018	07/09/2018	228224		1309	CREELMAN
07/09/2018	07/09/2018	228224		1310	CREELMAN
07/09/2018	07/09/2018	228225		1311	CREELMAN
07/09/2018	07/09/2018	228225		1312	CREELMAN
07/09/2018	07/09/2018	228225		1313	CREELMAN
07/09/2018	07/09/2018	148703		1314	FRALECK
07/09/2018	07/09/2018	148703		1315	FRALECK
07/09/2018	07/09/2018	315849		1316	FRALECK
07/09/2018	07/09/2018	343216		1317	FRALECK
07/09/2018	07/09/2018	343216		1318	FRALECK
07/09/2018	07/09/2018	343216		1319	FRALECK
07/09/2018	07/09/2018	343216		1320	FRALECK
07/09/2018	07/09/2018	343216		1321	FRALECK
07/09/2018	07/09/2018	343216		1322	FRALECK
07/09/2018	07/09/2018			1323	
09/09/2018	10/09/2018	236399		1324	BERESFORD
28/11/2018	28/11/2018				
09/09/2018	09/09/2018	228224		1325	CREELMAN
09/09/2018	09/09/2018	110330		1326	BERESFORD
09/09/2018	09/09/2018	110330		1327	BERESFORD
09/09/2018	09/09/2018	110330		1328	BERESFORD
09/09/2018	09/09/2018	236399		1329	BERESFORD
09/09/2018	09/09/2018	236399		1330	BERESFORD
09/09/2018	09/09/2018	236399		1331	BERESFORD
09/09/2018	09/09/2018	236399		1332	BERESFORD
09/09/2018	09/09/2018	236398		1333	BERESFORD
09/09/2018	09/09/2018	236398		1334	BERESFORD
09/09/2018	09/09/2018	236398		1335	BERESFORD
09/09/2018	09/09/2018	236398		1336	BERESFORD
09/09/2018	09/09/2018	228224		1337	CREELMAN
09/09/2018	10/09/2018		R158		CREELMAN
09/09/2018	10/09/2018		R159		CREELMAN

09/09/2018	09/09/2018	228224		1338	CREELMAN
09/09/2018	10/09/2018		R160		CREELMAN
09/09/2018	09/09/2018	228224		1339	CREELMAN
09/09/2018	10/09/2018		R161		CREELMAN
09/09/2018	09/09/2018	163497		1340	CREELMAN
11/09/2018	11/09/2018			1341	
11/09/2018	11/09/2018	128205		1342	CREELMAN
11/09/2018	12/09/2018		R162		CREELMAN
11/09/2018	12/09/2018		R163		CREELMAN
11/09/2018	12/09/2018		R164		CREELMAN
11/09/2018	11/09/2018	128205		1343	CREELMAN
11/09/2018	11/09/2018	128205		1344	CREELMAN
11/09/2018	12/09/2018		R165		CREELMAN
11/09/2018	12/09/2018		R166		CREELMAN
11/09/2018	12/09/2018		R167		CREELMAN
11/09/2018	11/09/2018	128206		1345	CREELMAN
11/09/2018	11/09/2018		R168		CREELMAN
11/09/2018	12/09/2018				
11/09/2018	11/09/2018		R169		CREELMAN
11/09/2018	12/09/2018				
11/09/2018	11/09/2018	128206		1346	CREELMAN
11/09/2018	12/09/2018		R170		CREELMAN
11/09/2018	11/09/2018	128206		1347	CREELMAN
11/09/2018	12/09/2018		R171		CREELMAN
11/09/2018	11/09/2018	128206		1348	CREELMAN
11/09/2018	12/09/2018		R172		CREELMAN
11/09/2018	11/09/2018	228224		1349	CREELMAN
11/09/2018	12/09/2018		R173		CREELMAN
14/09/2018	14/09/2018	228224		1350	CREELMAN
14/09/2018	14/09/2018	228224		1351	CREELMAN
14/09/2018	15/09/2018		R174		CREELMAN
14/09/2018	14/09/2018	228224		1352	CREELMAN
14/09/2018	15/09/2018		R175		CREELMAN
14/09/2018	14/09/2018	163497		1353	CREELMAN
14/09/2018	15/09/2018		R176		CREELMAN
14/09/2018	14/09/2018	128205		1354	CREELMAN
14/09/2018	15/09/2018		R177		CREELMAN
14/09/2018	14/09/2018	128205		1355	CREELMAN
14/09/2018	15/09/2018		R178		CREELMAN
14/09/2018	15/09/2018		R179		CREELMAN
14/09/2018	14/09/2018	128205		1356	CREELMAN
14/09/2018	15/09/2018		R180		CREELMAN
14/09/2018	15/09/2018		R181		CREELMAN
14/09/2018	14/09/2018	222859		1357	CREELMAN
14/09/2018	14/09/2018	222859		1358	CREELMAN

14/09/2018	15/09/2018		R182		CREELMAN
14/09/2018	14/09/2018	222859		1359	CREELMAN
14/09/2018	15/09/2018		R183		CREELMAN
14/09/2018	14/09/2018	222859		1360	CREELMAN
14/09/2018	15/09/2018		R184		CREELMAN
14/09/2018	14/09/2018	222859		1361	CREELMAN
14/09/2018	15/09/2018		R185		CREELMAN
14/09/2018	14/09/2018	228224		1362	CREELMAN
14/09/2018	15/09/2018		R186		CREELMAN
14/09/2018	15/09/2018		R187		CREELMAN
17/09/2018	17/09/2018	228225		1363	CREELMAN
17/09/2018	17/09/2018	228225		1364	CREELMAN
17/09/2018	17/09/2018	115884		1365	CREELMAN
17/09/2018	21/09/2018		R188		CREELMAN
17/09/2018	17/09/2018	209013		1366	CREELMAN
17/09/2018	17/09/2018	209013		1367	CREELMAN
17/09/2018	21/09/2018		R189		CREELMAN
17/09/2018	17/09/2018	275643		1368	CREELMAN
17/09/2018	21/09/2018		R190		CREELMAN
05/10/2018	05/10/2018	226182		1369	CREELMAN
05/10/2018	05/10/2018	226182		1370	CREELMAN
05/10/2018	05/10/2018	226182		1371	CREELMAN
05/10/2018	06/10/2018		R191		CREELMAN
05/10/2018	06/10/2018		R192		CREELMAN
05/10/2018	05/10/2018	226182		1372	CREELMAN
05/10/2018	06/10/2018		R193		CREELMAN
05/10/2018	06/10/2018		R194		CREELMAN
05/10/2018	07/10/2018				
05/10/2018	05/10/2018	228224		1373	CREELMAN
05/10/2018	07/10/2018		R195		CREELMAN
05/10/2018	07/10/2018		R196		CREELMAN
05/10/2018	05/10/2018	228224		1374	CREELMAN
05/10/2018	07/10/2018		R197		CREELMAN
05/10/2018	07/10/2018		R198		CREELMAN
05/10/2018	05/10/2018	228224		1375	CREELMAN
05/10/2018	07/10/2018		R199		CREELMAN
05/10/2018	07/10/2018		R200		CREELMAN
05/10/2018	07/10/2018		R201		CREELMAN
05/10/2018	07/10/2018		R202		CREELMAN
05/10/2018	07/10/2018		R203		CREELMAN
05/10/2018	05/10/2018	228224		1376	CREELMAN
05/10/2018	07/10/2018		R204		CREELMAN
05/10/2018	07/10/2018		R205		CREELMAN
05/10/2018	05/10/2018	228224		1377	CREELMAN
05/10/2018	07/10/2018		R206		CREELMAN

05/10/2018	07/10/2018		R207		CREELMAN
05/10/2018	05/10/2018	228224		1378	CREELMAN
05/10/2018	07/10/2018		R208		CREELMAN
05/10/2018	07/10/2018		R209		CREELMAN
05/10/2018	07/10/2018		R210		CREELMAN
05/10/2018	07/10/2018		R211		CREELMAN
05/10/2018	05/10/2018	163497		1379	CREELMAN
05/10/2018	08/10/2018		R212		CREELMAN
05/10/2018	08/10/2018		R213		CREELMAN
05/10/2018	05/10/2018	163497		1380	CREELMAN
05/10/2018	08/10/2018		R214		CREELMAN
05/10/2018	08/10/2018		R215		CREELMAN
05/10/2018	05/10/2018	163497		1381	CREELMAN
05/10/2018	08/10/2018		R216		CREELMAN
05/10/2018	09/10/2018		R217		CREELMAN
05/10/2018	08/10/2018				
05/10/2018	08/10/2018		R218		CREELMAN
05/10/2018	05/10/2018	163497		1382	CREELMAN
05/10/2018	08/10/2018		R219		CREELMAN
05/10/2018	08/10/2018		R220		CREELMAN
05/10/2018	05/10/2018	312221		1383	CREELMAN
05/10/2018	08/10/2018		R221		CREELMAN
05/10/2018	08/10/2018		R222		CREELMAN
05/10/2018	05/10/2018	222858		1384	CREELMAN
05/10/2018	05/10/2018	222858		1385	CREELMAN
05/10/2018	08/10/2018		R223		CREELMAN
05/10/2018	08/10/2018		R224		CREELMAN
05/10/2018	08/10/2018		R225		CREELMAN
05/10/2018	05/10/2018	222859		1386	CREELMAN
05/10/2018	05/10/2018	222859		1387	CREELMAN
05/10/2018	09/10/2018		R226		CREELMAN
05/10/2018	05/10/2018	222859		1388	CREELMAN
05/10/2018	09/10/2018		R227		CREELMAN
05/10/2018	05/10/2018	228224		1389	CREELMAN
05/10/2018	09/10/2018		R228		CREELMAN
05/10/2018	09/10/2018		R229		CREELMAN
05/10/2018	05/10/2018	228224		1390	CREELMAN
05/10/2018	09/10/2018		R230		CREELMAN
05/10/2018	09/10/2018		R231		CREELMAN
05/10/2018	05/10/2018	228224		1391	CREELMAN
05/10/2018	09/10/2018		R232		CREELMAN
12/10/2018	12/10/2018	213273		1392	FRALECK
12/10/2018	12/10/2018	312221		1393	CREELMAN
12/10/2018	12/10/2018	228224		1394	CREELMAN
12/10/2018	12/10/2018	228224		1395	CREELMAN

24/10/2018	24/10/2018	228224		1396	CREELMAN
24/10/2018	26/10/2018		R233		CREELMAN
24/10/2018	26/10/2018		R234		CREELMAN
24/10/2018	27/10/2018				
24/10/2018	26/10/2018		R235		CREELMAN
24/10/2018	27/10/2018				
24/10/2018	26/10/2018		R236		CREELMAN
24/10/2018	27/10/2018				
24/10/2018	26/10/2018		R237		CREELMAN
24/10/2018	26/10/2018		R238		CREELMAN
24/10/2018	26/10/2018		R239		CREELMAN
24/10/2018	26/10/2018		R240		CREELMAN
24/10/2018	26/10/2018		R241		CREELMAN
24/10/2018	26/10/2018		R242		CREELMAN
24/10/2018	28/10/2018				
24/10/2018	28/10/2018		R243		CREELMAN
24/10/2018	28/10/2018		R244		CREELMAN
24/10/2018	28/10/2018		R245		CREELMAN
24/10/2018	28/10/2018		R246		CREELMAN
24/10/2018	24/10/2018	228224		1397	CREELMAN
24/10/2018	28/10/2018		R247		CREELMAN
24/10/2018	24/10/2018	228224		1398	CREELMAN
24/10/2018	28/10/2018		R248		CREELMAN
24/10/2018	24/10/2018	228224		1399	CREELMAN
24/10/2018	28/10/2018		R249		CREELMAN
24/10/2018	24/10/2018	228224		1400	CREELMAN
24/10/2018	28/10/2018		R250		CREELMAN
24/10/2018	28/10/2018		R251		CREELMAN
24/10/2018	24/10/2018	228224		1401	CREELMAN
24/10/2018	28/10/2018		R252		CREELMAN
24/10/2018	24/10/2018	228224		1402	CREELMAN
24/10/2018	28/10/2018		R253		CREELMAN
24/10/2018	24/10/2018	228224		1403	CREELMAN
24/10/2018	28/10/2018		R254		CREELMAN
24/10/2018	28/10/2018		R255		CREELMAN
24/10/2018	24/10/2018	228224		1404	CREELMAN
24/10/2018	28/10/2018		R256		CREELMAN
24/10/2018	28/10/2018		R257		CREELMAN
24/10/2018	28/10/2018		R258		CREELMAN
24/10/2018	28/10/2018		R259		CREELMAN
24/10/2018	28/10/2018		R260		CREELMAN
24/10/2018	24/10/2018	228224		1405	CREELMAN
24/10/2018	01/11/2018		R261		CREELMAN
24/10/2018	01/11/2018		R262		CREELMAN
24/10/2018	24/10/2018	228224		1406	CREELMAN
24/10/2018	01/11/2018		R263		CREELMAN
24/10/2018	24/10/2018	228224		1407	CREELMAN

24/10/2018	01/11/2018		R264		CREELMAN
24/10/2018	01/11/2018		R265		CREELMAN
24/10/2018	01/11/2018		R266		CREELMAN
24/10/2018	24/10/2018	228224		1408	CREELMAN
24/10/2018	01/11/2018		R267		CREELMAN
24/10/2018	01/11/2018		R268		CREELMAN
24/10/2018	25/10/2018		R269		CREELMAN
24/10/2018	01/11/2018				
24/10/2018	25/10/2018		R270		CREELMAN
24/10/2018	01/11/2018				
24/10/2018	24/10/2018	228224		1409	CREELMAN
24/10/2018	01/11/2018		R271		CREELMAN
24/10/2018	24/10/2018	228224		1410	CREELMAN
24/10/2018	01/11/2018		R272		CREELMAN
24/10/2018	24/10/2018	228224		1411	CREELMAN
24/10/2018	01/11/2018		R273		CREELMAN
24/10/2018	01/11/2018		R274		CREELMAN
24/10/2018	01/11/2018		R275		CREELMAN
24/10/2018	24/10/2018	228224		1412	CREELMAN
24/10/2018	01/11/2018		R276		CREELMAN
24/10/2018	24/10/2018	228224		1413	CREELMAN
24/10/2018	01/11/2018		R277		CREELMAN
24/10/2018	24/10/2018	228224		1414	CREELMAN
24/10/2018	01/11/2018		R278		CREELMAN
24/10/2018	24/10/2018	228224		1415	CREELMAN
24/10/2018	01/11/2018		R279		CREELMAN
24/10/2018	01/11/2018		R280		CREELMAN
24/10/2018	24/10/2018	228224		1416	CREELMAN
24/10/2018	01/11/2018		R281		CREELMAN
24/10/2018	01/11/2018		R282		CREELMAN
24/10/2018	01/11/2018		R283		CREELMAN
24/10/2018	24/10/2018	128205		1417	CREELMAN
24/10/2018	24/10/2018	217509		1418	CREELMAN
24/10/2018	24/10/2018	171514		1419	CREELMAN
24/10/2018	24/10/2018	171514		1420	CREELMAN
24/10/2018	24/10/2018			1421	PARKINS
31/10/2018	31/10/2018	228224		1422	CREELMAN
31/10/2018	06/11/2018		R284		CREELMAN
31/10/2018	06/11/2018		R285		CREELMAN
31/10/2018	06/11/2018		R286		CREELMAN
31/10/2018	31/10/2018	228224		1423	CREELMAN
31/10/2018	07/11/2018		R287		CREELMAN
31/10/2018	07/11/2018		R288		CREELMAN
31/10/2018	31/10/2018	228224		1424	CREELMAN
31/10/2018	07/11/2018		R289		CREELMAN
31/10/2018	07/11/2018		R290		CREELMAN

31/10/2018	07/11/2018		R291		CREELMAN
31/10/2018	07/11/2018		R292		CREELMAN
31/10/2018	31/10/2018	228224		1425	CREELMAN
31/10/2018	31/10/2018	128205		1426	CREELMAN
31/10/2018	07/11/2018		R293		CREELMAN
31/10/2018	07/11/2018		R294		CREELMAN
31/10/2018	31/10/2018	128205		1427	CREELMAN
31/10/2018	07/11/2018		R295		CREELMAN
31/10/2018	31/10/2018	128205		1428	CREELMAN
31/10/2018	07/11/2018		R296		CREELMAN
31/10/2018	07/11/2018		R297		CREELMAN
31/10/2018	31/10/2018	128205		1429	CREELMAN
31/10/2018	31/10/2018	128205		1430	CREELMAN
31/10/2018	07/11/2018		R298		CREELMAN
31/10/2018	07/11/2018		R299		CREELMAN
31/10/2018	07/11/2018		R300		CREELMAN
31/10/2018	31/10/2018	128205		1431	CREELMAN
31/10/2018	07/11/2018		R301		CREELMAN
31/10/2018	07/11/2018		R302		CREELMAN
31/10/2018	09/11/2018		R303		CREELMAN
31/10/2018	09/11/2018		R304		CREELMAN
31/10/2018	09/11/2018		R305		CREELMAN
31/10/2018	31/10/2018	128205		1432	CREELMAN
31/10/2018	09/11/2018		R306		CREELMAN
31/10/2018	09/11/2018		R307		CREELMAN
31/10/2018	31/10/2018	128205		1433	CREELMAN
31/10/2018	09/11/2018		R308		CREELMAN
31/10/2018	31/10/2018	236399		1434	BERESFORD
31/10/2018	09/11/2018		R309		BERESFORD
31/10/2018	31/10/2018	236399		1435	BERESFORD
31/10/2018	09/11/2018		R310		BERESFORD
31/10/2018	31/10/2018	236398		1436	BERESFORD
31/10/2018	09/11/2018		R311		BERESFORD
31/10/2018	09/11/2018		R312		BERESFORD
02/11/2018	02/11/2018	127107		1437	CREELMAN
02/11/2018	10/11/2018		R313		CREELMAN
02/11/2018	10/11/2018		R314		CREELMAN
02/11/2018	02/11/2018	127107		1438	CREELMAN
02/11/2018	02/11/2018	287648		1439	CREELMAN
02/11/2018	02/11/2018	103221		1440	CREELMAN
02/11/2018	02/11/2018	103221		1441	CREELMAN
02/11/2018	02/11/2018	103222		1442	CREELMAN
02/11/2018	02/11/2018	127098		1443	CREELMAN
02/11/2018	02/11/2018	127098		1444	CREELMAN
02/11/2018	10/11/2018		R315		CREELMAN
02/11/2018	10/11/2018		R316		CREELMAN

02/11/2018	02/11/2018	127098		1445	CREELMAN
02/11/2018	10/11/2018		R317		CREELMAN
02/11/2018	10/11/2018		R318		CREELMAN
02/11/2018	10/11/2018		R319		CREELMAN
02/11/2018	10/11/2018		R320		CREELMAN
02/11/2018	10/11/2018		R321		CREELMAN
02/11/2018	10/11/2018		R322		CREELMAN
02/11/2018	10/11/2018		R323		CREELMAN
02/11/2018	10/11/2018		R324		CREELMAN
02/11/2018	02/11/2018	127098		1446	CREELMAN
02/11/2018	02/11/2018	287647		1447	CREELMAN
02/11/2018	02/11/2018	103221		1448	CREELMAN
02/11/2018	10/11/2018		R325		CREELMAN
02/11/2018	02/11/2018	222859		1449	CREELMAN
02/11/2018	10/11/2018		R326		CREELMAN
02/11/2018	10/11/2018		R327		CREELMAN
02/11/2018	02/11/2018		R328		CREELMAN
02/11/2018	10/11/2018		R329		CREELMAN
02/11/2018	10/11/2018		R330		CREELMAN
08/11/2018	08/11/2018	128206		1450	CREELMAN
08/11/2018	11/11/2018		R331		CREELMAN
08/11/2018	08/11/2018	128206		1451	CREELMAN
08/11/2018	11/11/2018		R332		CREELMAN
08/11/2018	11/11/2018		R333		CREELMAN
08/11/2018	11/11/2018		R334		CREELMAN
08/11/2018	11/11/2018		R335		CREELMAN
08/11/2018	08/11/2018	128206		1452	CREELMAN
08/11/2018	11/11/2018		R336		CREELMAN
08/11/2018	11/11/2018		R337		CREELMAN
08/11/2018	08/11/2018	128206		1453	CREELMAN
08/11/2018	11/11/2018		R338		CREELMAN
08/11/2018	08/11/2018	128206		1454	CREELMAN
08/11/2018	11/11/2018		R339		CREELMAN
08/11/2018	08/11/2018	128206		1455	CREELMAN
08/11/2018	11/11/2018		R340		CREELMAN
08/11/2018	08/11/2018	128206		1456	CREELMAN
08/11/2018	11/11/2018		R341		CREELMAN
08/11/2018	08/11/2018	128206		1457	CREELMAN
08/11/2018	11/11/2018		R342		CREELMAN
08/11/2018	11/11/2018		R343		CREELMAN
08/11/2018	08/11/2018	128205		1458	CREELMAN
08/11/2018	08/11/2018		R344		CREELMAN
08/11/2018	12/11/2018				
08/11/2018	12/11/2018		R345		CREELMAN





Co-ordinates	Michel Lavoie	Michel Lavoie	Corrina Bonhomme
	\$450 per day	Amount	\$300 Per day
	Sweat equaty	Per area	Sweat equaty
	\$150		\$100
N46.93574° W80.99928°		\$75	
N46.93574° W80.99928°		\$75	
	\$450		\$300
N46.94574° W80.86492°		\$23.68	
N46.94632° W80.86470°		\$23.68	
N46.94677° W80.86455°		\$23.68	
N46.94680° W80.86449°		\$23.68	
N46.94715° W80.86408°		\$23.68	
N46.94604° W80.86427°		\$23.68	
N46.94598° W80.86433°		\$23.68	
N46.94568° W80.86506°		\$23.68	
N46.94656° W80.87248°		\$23.68	
N46.94674° W80.87279°		\$23.68	
N46.94761° W80.87328°		\$23.68	
N46.95142° W80.87350°		\$23.68	
N46.95132° W80.87340°		\$23.68	
N46.94333° W80.97812°		\$23.68	
N46.94476° W80.98247°		\$23.68	
N46.94137° W80.96989°		\$23.68	
N46.95105° W80.89751°		\$23.68	
N46.94568° W80.86506°		\$23.68	
N46.94568° W80.86506°		\$23.68	
N46.94938° W81.02080°			
N46.94568° W80.86506°			
N46.94568° W80.86506°			
	\$450		\$300
N46.95701° W80.87890°		\$10.22	
N46.95721° W80.87860°		\$10.22	
N46.95743° W80.87882°		\$10.22	
N46.95762° W80.87883°		\$10.22	
N46.95769° W80.87886°		\$10.22	
N46.95831° W80.87886°		\$10.22	
N46.96111° W80.87778°		\$10.22	
N46.96111° W80.87764°		\$10.22	
N46.96156° W80.87778°		\$10.22	
N46.96236° W80.87715°		\$10.22	
N46.96314° W80.87805°		\$10.22	
N46.96329° W80.87807°		\$10.22	
N46.96322° W80.87818°		\$10.22	
N46.96373° W80.87828°		\$10.22	
N46.96537° W80.87868°		\$10.22	

N46.95112° W80.88543°		\$10.22	
N46.95117° W80.88546°		\$10.22	
N46.95103° W80.88541°		\$10.22	
N46.95051° W80.88483°		\$10.22	
N46.95578° W80.88766°		\$10.22	
N46.95569° W80.88779°		\$10.22	
N46.95732° W80.88765°		\$10.22	
N46.95768° W80.88812°		\$10.22	
N46.96113° W80.88939°		\$10.22	
N46.96109° W80.88934°		\$10.22	
N46.96189° W80.88779°		\$10.22	
N46.96248° W80.89036°		\$10.22	
N46.96246° W80.89039°		\$10.22	
N46.96299° W80.88996°		\$10.22	
N46.96419° W80.88900°		\$10.22	
N46.96462° W80.88884°		\$10.22	
N46.96449° W80.88849°		\$10.22	
N46.96444° W80.88867°		\$10.22	
N46.96629° W80.88819°		\$10.22	
N46.96567° W80.91934°		\$10.22	
N46.95305° W80.89231°		\$10.22	
N46.95018° W80.89093°		\$10.22	
N46.94512° W80.89466°		\$10.22	
N46.94573° W80.89853°		\$10.22	
N46.94580° W80.89884°		\$10.22	
N46.94588° W80.89943°		\$10.22	
N46.94584° W80.89942°		\$10.22	
N46.95099° W80.89760°		\$10.22	
N46.95106° W80.89743°		\$10.22	
	\$450		\$300
N46.95327° W80.89221°		\$11.54	
N46.95232° W80.89869°		\$11.54	
N46.95249° W80.89903°		\$11.54	
N46.95259° W80.89889°		\$11.54	
N46.95276° W80.89879°		\$11.54	
N46.95310° W80.89898°		\$11.54	
N46.95319° W80.89873°		\$11.54	
N46.95341° W80.89867°		\$11.54	
N46.95366° W80.89831°		\$11.54	
N46.95443° W80.89848°		\$11.54	
N46.95539° W80.89842°		\$11.54	
N46.95624° W80.89891°		\$11.54	
N46.95858° W80.89801°		\$11.54	
N46.96165° W80.90152°		\$11.54	
N46.96029° W80.90520°		\$11.54	
N46.95971° W80.90733°		\$11.54	
N46.95961° W80.90736°		\$11.54	

N46.95954° W80.90734°		\$11.54	
N46.95471° W80.90859°		\$11.54	
N46.95975° W80.92639°		\$11.54	
N46.94975° W80.92475°		\$11.54	
N46.96511° W80.92926°		\$11.54	
N46.96503° W80.92894°		\$11.54	
N46.96534° W80.92950°		\$11.54	
N46.94057° W80.93481°		\$11.54	
N46.93938° W80.93470°		\$11.54	
N46.93570° W80.92850°		\$11.54	
N46.94524° W80.93385°		\$11.54	
N46.97215° W81.02750°		\$11.54	
N46.96377° W81.03024°		\$11.54	
N46.96323° W81.03176°		\$11.54	
N46.97264° W81.04270°		\$11.54	
N46.97242° W81.04187°		\$11.54	
N46.97089° W81.04216°		\$11.54	
N46.97046° W81.04278°		\$11.54	
N46.96969° W81.04527°		\$11.54	
N46.96632° W81.04156°		\$11.54	
N46.96378° W81.02897°		\$11.54	
N46.94513° W80.94216°		\$11.57	
	\$450		\$300
N46.95231° W80.89870°		\$18	
N46.95322° W80.89877°		\$18	
N46.95184° W80.89860°		\$18	
N46.95167° W80.89813°		\$18	
N46.95090° W80.89682°		\$18	
N46.95085° W80.89675°		\$18	
N46.95081° W80.89685°		\$18	
N46.95077° W80.89694°		\$18	
N46.95088° W80.89698°		\$18	
N46.95025° W80.89687°		\$18	
N46.95021° W80.89713°		\$18	
N46.95028° W80.89644°		\$18	
N46.95073° W80.89331°		\$18	
N46.95267° W80.89255°		\$18	
N46.95304° W80.89229°		\$18	
N46.95433° W80.87538°		\$18	
N46.94901° W80.87338°		\$18	
N46.94613° W80.87242°		\$18	
N46.94621° W80.87290°		\$18	
N46.94627° W80.87291°		\$18	
N46.94633° W80.87285°		\$18	
N46.94630° W80.86474°		\$18	
N46.94789° W80.86652°		\$18	
N46.95811° W80.86897°		\$18	

N46.95882° W80.86936°		\$18	
	\$450		\$300
N46.95920° W81.04357°		\$18.75	
N46.95915° W81.04344°		\$18.75	
N46.95916° W81.04337°		\$18.75	
N46.95909° W81.04338°		\$18.75	
N46.95909° W81.04338°		\$18.75	
N46.95799° W81.04434°		\$18.75	
N46.95963° W81.06126°		\$18.75	
N46.95956° W81.06345°		\$18.75	
N46.95970° W81.06349°		\$18.75	
N46.95980° W81.06347°		\$18.75	
N46.95959° W81.06353°		\$18.75	
N46.95825° W81.06484°		\$18.75	
N46.95810° W81.06482°		\$18.75	
N46.95795° W81.06490°		\$18.75	
N46.95799° W81.06654°		\$18.75	
N46.95797° W81.06637°		\$18.75	
N46.95754° W81.07106°		\$18.75	
N46.95743° W81.07087°		\$18.75	
N46.95748° W81.07072°		\$18.75	
N46.96845° W81.06184°		\$18.75	
N46.96850° W81.06169°		\$18.75	
N46.96105° W81.04361°		\$18.75	
N46.94604° W80.89372°		\$18.75	
N46.94577° W80.89942°		\$18.75	
	\$450		\$300
N46.94573° W80.86511°		\$45	
N46.96655° W80.86802°		\$45	
N46.96663° W80.86774°		\$45	
N46.96644° W80.86772°		\$45	
N46.96598° W80.86732°		\$45	
N46.96463° W80.86311°		\$45	
N46.96310° W80.86341°		\$45	
N46.96184° W80.86354°		\$45	
N46.96003° W80.86462°		\$45	
N46.95142° W81.00856°		\$45	
Grab samples			
	\$300		\$200
N46.95221° W80.89865°		\$60	
N46.95101° W80.89764°		\$60	
N46.95155° W80.89197°		\$60	
N46.94584° W80.89942°		\$60	
N46.96645° W80.86769°		\$60	
	\$450		\$300
N46.94237° W80.97584°		\$9	
N46.94653° W81.06046°		\$9	

N46.94692° W81.05610°		\$9	
N46.94646° W81.05565°		\$9	
N46.94366° W81.05769°		\$9	
N46.94011° W81.05996°		\$9	
N46.95529° W81.03788°		\$9	
N46.95731° W81.03612°		\$9	
N46.95896° W81.03430°		\$9	
N46.93116° W81.00645°		\$9	
N46.92934° W81.00591°		\$9	
N46.92932° W81.00491°		\$9	
N46.92992° W81.00614°		\$9	
N46.93158° W81.00700°		\$9	
N46.93114° W81.00695°		\$9	
N46.92968° W81.00846°		\$9	
N46.92939° W81.00887°		\$9	
N46.92919° W81.01095°		\$9	
N46.92923° W81.01421°		\$9	
N46.92384° W81.01802°		\$9	
N46.92349° W81.01752°		\$9	
N46.92326° W81.01773°		\$9	
N46.92216° W81.01598°		\$9	
N46.92026° W81.01390°		\$9	
N46.92021° W81.01359°		\$9	
N46.91963° W81.01302°		\$9	
N46.91836° W81.01306°		\$9	
N46.91658° W81.01258°		\$9	
N46.91380° W81.00698°		\$9	
N46.91280° W81.00474°		\$9	
N46.92127° W81.01679°		\$9	
N46.92124° W81.01701°		\$9	
N46.92060° W81.01765°		\$9	
N46.92047° W81.01794°		\$9	
N46.92049° W81.01841°		\$9	
N46.92073° W81.01946°		\$9	
N46.92070° W81.01960°		\$9	
N46.92075° W81.01986°		\$9	
N46.92069° W81.02011°		\$9	
N46.92065° W81.02018°		\$9	
N46.92065° W81.02022°		\$9	
N46.92049° W81.02004°		\$9	
N46.92015° W81.02065°		\$9	
N46.92017° W81.02091°		\$9	
N46.91986° W81.02090°		\$9	
N46.91872° W81.02174°		\$9	
N46.91413° W81.02331°		\$9	
N46.91276° W81.02695°		\$9	
N46.91108° W81.02864°		\$9	

N46.92639° W81.01880°		\$9	
Grab samples			
Grab samples			
	\$450		\$300
N46.94293° W80.97299°		\$9	
N46.94278° W80.97325°		\$9	
N46.94253° W80.97286°		\$9	
N46.94232° W80.97241°		\$9	
N46.94243° W80.97216°		\$9	
N46.94239° W80.97186°		\$9	
N46.93657° W81.00558°		\$9	
N46.92922° W81.01110°		\$9	
N46.92925° W81.01096°		\$9	
N46.92967° W81.01397°		\$9	
N46.92980° W81.01638°		\$9	
N46.92889° W81.01871°		\$9	
N46.92895° W81.01926°		\$9	
N46.92913° W81.01957°		\$9	
N46.92928° W81.02013°		\$9	
N46.92908° W81.02046°		\$9	
N46.92944° W81.01987°		\$9	
N46.92755° W81.01936°		\$9	
N46.92658° W81.01983°		\$9	
N46.92534° W81.02063°		\$9	
N46.92524° W81.02068°		\$9	
N46.92510° W81.02082°		\$9	
N46.92505° W81.02061°		\$9	
N46.92495° W81.02102°		\$9	
N46.92488° W81.02118°		\$9	
N46.92461° W81.02125°		\$9	
N46.92485° W81.02212°		\$9	
N46.92467° W81.02205°		\$9	
N46.92545° W81.02380°		\$9	
N46.92629° W81.02478°		\$9	
N46.92630° W81.02466°		\$9	
N46.92652° W81.02468°		\$9	
N46.92710° W81.02497°		\$9	
N46.91512° W81.00985°		\$9	
N46.91494° W81.00972°		\$9	
N46.92067° W81.01977°		\$9	
N46.92049° W81.01977°		\$9	
N46.91406° W81.02343°		\$9	
N46.91394° W81.02361°		\$9	
N46.91405° W81.02492°		\$9	
N46.90884° W81.02906°		\$9	
N46.91018° W81.03265°		\$9	
N46.91050° W81.03284°		\$9	

N46.91070° W81.03291°		\$9	
N46.91086° W81.03425°		\$9	
N46.90775° W81.02997°		\$9	
N46.90781° W81.02963°		\$9	
N46.90577° W81.02823°		\$9	
N46.90870° W81.02821°		\$9	
N46.94032° W80.97745°		\$9	
Grab samples			
	\$450		\$300
N46.98083° W81.02393°		\$23.68	
N46.98084° W81.02437°		\$23.68	
N46.98084° W81.02437°		\$23.68	
N46.98084° W81.02437°		\$23.68	
N46.98084° W81.02437°		\$23.68	
N46.98781° W81.02159°		\$23.68	
N46.98781° W81.02159°		\$23.68	
N46.99067° W81.02160°		\$23.68	
N46.99067° W81.02160°		\$23.68	
N46.98121° W81.02387°		\$23.68	
N46.98121° W81.02387°		\$23.68	
N46.98123° W81.02383°		\$23.68	
N46.98123° W81.02383°		\$23.68	
N46.94332° W80.97442°		\$23.68	
N46.94332° W80.97442°		\$23.68	
N46.94349° W80.97423°		\$23.68	
N46.94349° W80.97423°		\$23.68	
N46.94278° W80.97321°		\$23.68	
N46.94278° W80.97321°		\$23.68	
	\$450		\$300
N46.92919° W81.01419°		\$15	
N46.92919° W81.01419°		\$15	
N46.92923° W81.01420°		\$15	
N46.92923° W81.01420°		\$15	
N46.92938° W81.01421°		\$15	
N46.92625° W81.01856°		\$15	
N46.92625° W81.01856°		\$15	
N46.92344° W81.01760°		\$15	
N46.92344° W81.01760°		\$15	
N46.92128° W81.01677°		\$15	
N46.92112° W81.01682°		\$15	
N46.92104° W81.01678°		\$15	
N46.92067° W81.01671°		\$15	
N46.92132° W81.01677°		\$15	
N46.92132° W81.01677°		\$15	
N46.92036° W81.01823°		\$15	
N46.92036° W81.01823°		\$15	
N46.92049° W81.01845°		\$15	



N46.92049° W81.01845°		\$15	
N46.92044° W81.01842°		\$15	
N46.92044° W81.01842°		\$15	
N46.92073° W81.01960°		\$15	
N46.92073° W81.01960°		\$15	
N46.92070° W81.01972°		\$15	
N46.92070° W81.01972°		\$15	
N46.92082° W81.01969°		\$15	
N46.92082° W81.01969°		\$15	
N46.92082° W81.01969°		\$15	
N46.95477° W80.88700°		\$15	
N46.95477° W80.88705°		\$15	
Flat tire			
Grab sample			
	\$450		\$300
N46.92371° W81.01766°		\$19.57	
N46.92371° W81.01766°		\$19.57	
N46.92063° W81.02024°		\$19.57	
N46.92063° W81.02024°		\$19.57	
N46.92060° W81.02034°		\$19.57	
N46.92060° W81.02034°		\$19.57	
N46.91994° W81.02069°		\$19.57	
N46.91994° W81.02069°		\$19.57	
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N46.94114° W80.86613°		\$14.06	
N46.94903° W80.87339°		\$14.06	
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N46.93563° W80.97243°		\$14.51	
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N46.93451° W80.98204°		\$14.51	

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N46.93479° W80.98169°		\$14.51	
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N46.93463° W80.98165°		\$14.51	
N46.93460° W80.98173°		\$14.51	
N46.93334° W80.98210°		\$14.51	
N46.93328° W80.98236°		\$14.62	
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N46.94604° W80.93856°		\$18.00	
N46.91952° W81.02138°		\$18.00	
N46.91948° W81.02167°		\$18.00	
N46.91941° W81.02194°		\$18.00	
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N46.92021° W81.02091°		\$400	
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	\$450		\$300
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N46.94343° W80.97820°		\$25	
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N46.94585° W80.87247°		\$25	
Areas of interest			
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N46.94362° W80.97642°		\$21.43	
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N46.94745° W81.02181°		\$21.52	
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Camp 3			
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N46.95020° W80.87355°		\$37.50	
N46.93995° W80.95912°		\$37.50	
N46.94514° W80.97658°		\$37.50	
N46.94507° W80.97625°		\$37.50	
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13,200.00

8,800.00

2018 Michel Lavoie Exploration log (Folder description)

17T0500055 Elevation = 422 m

5198023

- Conglomerate boulder
  - Greenish colour, rounded stones in conglomerate
  - Bedrock is dark grey
  - Also see Pictures 174
- Pictures 882 Conglomerate boulder Sample 180

Rb (ppm)	Cu (ppm)	Ni (ppm)	Co (ppm)	Ba (ppm)	Li (ppm)	Sr (ppm)
396	9	777	66.3	479	96	135

17T0500055 Elevation = 422 m

5198023

- Conglomerate boulder
  - Greenish colour, rounded stones in conglomerate
  - Bedrock is dark grey
  - I see what looks like Black Biotite Mica. Some of the flakes look gold in colour
  - Also see Pictures 174
- Pictures 883 Conglomerate boulder Sample 181

Rb (ppm)	Cu (ppm)	Ni (ppm)	Co (ppm)	Ba (ppm)	Li (ppm)	Sr (ppm)
510	12	230	43.6	699	121	595

17T0510280 Elevation = 268 m

5199144

- Map 2212 indicates 11 Quartz Diabase (Nipissing type) PRECAMBRIAN, Late mafic intrusive rocks
- I see what looks like Quartz – feldspar (Hornblende) Biotite schist
- The bedrock is dark grey/bleu
- I see lots of small white stringers
- I see some rust
- I see a chlorite / quartz vein with bornite / chalcopyrite in it (High copper, traces of gold)
- The contact bedrock has mineral cubes on it
- Map 2212 indicates ARCHEAN, 1 Undifferentiated mafic to intermediate metavolcanics and Undifferentiated felsic metavolcanics just North of this area. (Several hundred meters away)
- This bedrock has several mineralized fractures that run North South
- The chlorite veins look like they extend towards the Wanapitei River and towards the large mountain that has porphyritic bedrock
- Map 2212 indicated several faults in the area like the Wanapitei fault but these chlorite veins are in a slightly different direction

- These chlorite veins could be branching off one of these main fault lines  
Pictures 884 Felsic metavolcanics & chlorite & Minerals

Au (ppm)	Cu (ppm)	Ni (ppm)	Co (ppm)	W (ppm)	Mo (ppm)	As (ppm)
0.179	31700	43	153	401	13	7

17T0510297          Elevation = 303 m  
5199208

- Map 2212 indicates 11 Quartz Diabase (Nipissing type) PRECAMBRIAN, Late mafic intrusive rocks
- I see a dark bedrock with lots of bacterial growth on it
- There is also a golden coloured material covering the bedrock (Lots in this area)
- Need to do more investigation here
- This area is full of medium size boulders from the eroding mountain
- This area is fairly steep  
Pictures 885 Quartz Diabase

17T0510308          Elevation = 330 m  
5199258

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
- I see a large white quartz vein
- The bedrock is dark grey with pink spots (Quartz Diabase)
- I see some rusted squares and small rusted areas  
Pictures 886 Quartz

17T0510313          Elevation = 333 m  
5199261

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite I see a large calcite vein
- The bedrock is dark grey
- I see lots of smaller calcite veins with dark brown fragments in them (Oxidized)
- I see some rust
- I see a bit of golden sand
- This place needs more exploring
- This is the top of the mountain.
- North of this location is an even larger mountain.  
Pictures 887 Calcite

17T0510344          Elevation = 346 m  
5199299

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
- I see pink granite
- Some areas have pink, white granite with black lines  
Pictures 888 Granite

17T0510329            Elevation = 317 m

5199177

- Map 2212 indicates 11 Quartz Diabase (Nipissing type) PRECAMBRIAN, Late mafic intrusive rocks
- I see a granite
- Pictures 889 Granite

17T0510325            Elevation = 316 m

5199170

- Map 2212 indicates 11 Quartz Diabase (Nipissing type) PRECAMBRIAN, Late mafic intrusive rocks
- I see a large white quartz vein
- I see dark mafic to intermediate metavolcanics
- I see some rusted squares and staining
- The bedrock is rough
- I see a few quartz stringers
- Pictures 890 Mafic to intermediate metavolcanics & quartz

17T0510270            Elevation = 292 m

5199137

- Map 2212 indicates 11 Quartz Diabase (Nipissing type) PRECAMBRIAN, Late mafic intrusive rocks
- These rock samples come of the face of the mountain
- Several samples were taken, see Pictures
- Pictures 891 Rock samples

17T0509705            Elevation = 354 m

5199233

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
- I see a pink quartz – feldspar vein
- I see a dark blue mafic to intermediate metavolcanics
- I see a bit of rust staining
- Pictures 892 Mafic to intermediate metavolcanics & quartz

17T0509681            Elevation = 353 m

5199253

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
- Map 2212 also indicates that a fault line, that ends at the beginning of overhead lake, is 100 m from reaching this area
- I see what looks like a pink feldspar fault line
- I see a bit of quartz
- There are a lot of black stringers
- I see a dark grey mafic to intermediate metavolcanics
- Pictures 893 Fault line & metavolcanics

17T0509643            Elevation = 355 m

5199350

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
- I see a pink granite with lots of fractures
- I see some dark surface staining

## Pictures 894 Granite

17T 0509626      Elevation = 364 m  
5199773

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see the contact zone between mafic metavolcanics and pink granite
  - The Breccia has angular fragments of granite
  - I see undifferentiated mafic metavolcanics
- Pictures 895 Contact zone & Breccia & Mafic metavolcanics

17T 0509633      Elevation = 365 m  
5199762

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see highly fractured, pink granite
- Pictures 896 Granite

17T 0509633      Elevation = 365 m  
5199762

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - We took 3 samples back for examination (From high gold area)
  - I see a dark hornblende of quartz – feldspar & biotite schist
  - I see some rust on one sample
- Pictures 897 Samples

17T 0501334      Elevation = 426 m  
5199026

- Map 2212 indicates 3b Porphyritic quartz monzonite ARCHEAN Granitic rocks ALGOMAN
  - I see a porphyry
  - I see only a few square feldspar crystals
  - I see a few rusted squares (Pyrite)
  - I see a small white quartz vein
- Pictures 898 Porphyry

17T 0502292      Elevation = 418 m  
5198649

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - I see a rusted quartz stringer
  - I see a few epidote stringers
- Pictures 899 Hornblende & rust & stringers & epidote

17T 0507799      Elevation = 395 m  
5199729

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite



- I see a porphyry
  - I see large potassium feldspar crystals (about 50 mm or 3 in)
  - The crystals are white with a bit of pink
- Pictures 900 Large porphyry

17T0497931          Elevation = 442 m  
5201220

- Camp 2 No damage
- Pictures 901 Camp 2

17T0510270          Elevation = 292 m  
5199137

- Samples brought to camp 1 for examination
  - I had 13 samples
  - One sample had calcite and small quartz crystals & a bit of pyrite
  - Two large samples has good mineralization (chalcopyrite) in mafic metavolcanics (Need analysis)
  - I also see lots of rust and purple staining
  - I see some red staining
- Pictures 902 Sample pictures

17T0509214          Elevation = 379 m  
5200394

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
  - Map 2212 also indicates a small straight outcrop of 4 Diabase, Metadiabase ARCHEAN East of this road
  - Map 2212 also indicates that nearby, about 650 m to the East, is the upper Wanapitei fault
  - Map 2212 also indicates that nearby, about 150 m to the West, is a large outcrop of 11 Quartz diabase (Nipissing type) PRECAMBRIAN Late mafic intrusive rocks and a fault line about 50 m away
  - I see a dark bedrock with a medium sized, rounded fragment of pink granite
  - This could be volcanic breccia
- Pictures 903 Breccia & metavolcanics

17T0509237          Elevation = 359 m  
5200416

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
- Map 2212 also indicates a small straight outcrop of 4 Diabase, Metadiabase ARCHEAN contacting road here
- Map 2212 also indicates that nearby, about 650 m to the East, is the upper Wanapitei fault
- Map 2212 also indicates that nearby, about 150 m to the West, is a large outcrop of 11 Quartz diabase (Nipissing type) PRECAMBRIAN Late mafic intrusive rocks and a fault line about 50 m away
- I see a dark bedrock with lots of white precipitate
- One area, the precipitate covers the entire surface
- On a fresh break, you see a dark bedrock with pink spots.
- I see 11 Quartz diabase (Nipissing type)

Pictures 904 Quartz Diabase & precipitate

17T 0509220      Elevation = 363 m  
5200441

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
  - Map 2212 also indicates a small straight outcrop of 4 Diabase, Metadiabase ARCHEAN contacting road here
  - Map 2212 also indicates that nearby, about 650 m to the East, is the upper Wanapitei fault
  - Map 2212 also indicates that nearby, about 150 m to the West, is a large outcrop of 11 Quartz diabase (Nipissing type) PRECAMBRIAN Late mafic intrusive rocks and a fault line about 50 m away
  - I see a dark grey and white bedrock
  - I see what looks like 4 diabase
  - One piece looked like it had some minerals on it
- Pictures 905 diabase

17T 0509220      Elevation = 364 m  
5200462

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
  - Map 2212 also indicates a small straight outcrop of 4 Diabase, Metadiabase ARCHEAN East of this road
  - Map 2212 also indicates that nearby, about 650 m to the East, is the upper Wanapitei fault
  - Map 2212 also indicates that nearby, about 150 m to the West, is a large outcrop of 11 Quartz diabase (Nipissing type) PRECAMBRIAN Late mafic intrusive rocks and a fault line about 50 m away
  - I see a large pink granite & white quartz (Pegmatite) dike
  - I see a granodiorite intruding into a fine grained diorite
  - I see some white quartz stringers
- Pictures 906 metavolcanics & Pegmatite dike

17T 0509217      Elevation = 365 m  
5200469

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
  - Map 2212 also indicates a small straight outcrop of 4 Diabase, Metadiabase ARCHEAN East of this road
  - Map 2212 also indicates that nearby, about 650 m to the East, is the upper Wanapitei fault
  - Map 2212 also indicates that nearby, about 150 m to the West, is a large outcrop of 11 Quartz diabase (Nipissing type) PRECAMBRIAN Late mafic intrusive rocks and a fault line about 50 m away
  - I see a pink granite with some smoky quartz
  - I see a white quartz vein nearby
  - I see metavolcanics nearby with lots of stringers
- Pictures 907 Granite & quartz & metavolcanics

17T 0509217      Elevation = 365 m

5200538

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
  - Map 2212 also indicates a small straight outcrop of 4 Diabase, Metadiabase ARCHEAN East of this road
  - Map 2212 also indicates that nearby, about 650 m to the East, is the upper Wanapitei fault
  - Map 2212 also indicates that nearby, about 150 m to the West, is a large outcrop of 11 Quartz diabase (Nipissing type) PRECAMBRIAN Late mafic intrusive rocks and a fault line about 50 m away
  - I see metavolcanics
  - I see a few stringers
  - I see a bit of rust
  - Nearby, I see a pink granite like bedrock
- Pictures 908 Metavolcanics & Granite

17T 0509299            Elevation = 361 m

5200850

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
  - Map 2212 also indicates that nearby, about 450 m to the East, is the upper Wanapitei fault and several smaller faults pointing this direction
  - Map 2212 also indicates that nearby, about 200 m to the West, is a large outcrop of 11 Quartz diabase (Nipissing type) PRECAMBRIAN Late mafic intrusive rocks and a fault about 150 m away
  - I see a rusty granite vein
  - I see metavolcanics
  - I see a diorite intrusion
  - I see a few conglomerate shapes in the intrusion
  - The conglomerates are rounder and very dark in color
  - I see a few white stringers
  - I see a small stringer of epidote
  - I see a green fragment like the one in the conglomerate boulder see pictures 882 & 883
  - The fragment is similar in size as in the conglomerate boulder
- Pictures 909 Diorite intrusion & metavolcanics & Green fragment

17T 0509309            Elevation = 362 m

5200850

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
- Map 2212 also indicates that nearby, about 450 m to the East, is the upper Wanapitei fault and several smaller faults pointing this direction
- Map 2212 also indicates that nearby, about 200 m to the West, is a large outcrop of 11 Quartz diabase (Nipissing type) PRECAMBRIAN Late mafic intrusive rocks and a fault about 150 m away
- I see a pink granite fault cutting metavolcanics
- That indicates that the granite intruded into the metavolcanics
- I see some rust running down the granite face
- I see a granite vein
- I see some white stringers
- I see some diorite intrusion

- I see some blue – purple color in the water nearby  
Pictures 910 Granite fault & metavolcanics & stringers

17T 0509298            Elevation = 361 m  
5200899

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
- Map 2212 also indicates that nearby, about 450 m to the East, is the upper Wanapitei fault and several smaller faults pointing this direction
- Map 2212 also indicates that nearby, about 200 m to the West, is a large outcrop of 11 Quartz diabase (Nipissing type) PRECAMBRIAN Late mafic intrusive rocks and a fault about 150 m away
- I see a pink granite
- Nearby I see what looks like an intrusive granite with small dark fragments
- The fragments are angular like breccia  
Pictures 911 Granite & Intrusion & Breccia

17T 0509346            Elevation = 360 m  
5200989

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
- Map 2212 also indicates that nearby, about 400 m to the East, is the upper Wanapitei fault and several smaller faults pointing this direction
- Map 2212 also indicates that nearby, about 250 m to the West, is a large outcrop of 11 Quartz diabase (Nipissing type) PRECAMBRIAN Late mafic intrusive rocks and a fault about 200 m away
- I see metavolcanics
- I see a diorite intrusion with granodiorite lines
- I see several pink granite veins
- I see what looks like some small conglomerates  
Pictures 912 metavolcanics & pink veins & diorite & conglomerate

17T 0509278            Elevation = 365 m  
5201075

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
- Map 2212 also indicates that nearby, about 450 m to the East, is the upper Wanapitei fault and several smaller faults pointing this direction
- Map 2212 also indicates that nearby, about 200 m to the West, is a large outcrop of 11 Quartz diabase (Nipissing type) PRECAMBRIAN Late mafic intrusive rocks and a fault about 150 m away
- I see metavolcanics
- I see a diorite intrusion with granodiorite lines
- I see a pink granite veins
- I see what looks like some large conglomerates
- The really dark bedrock looks like basalt  
Pictures 913 metavolcanics & pink veins & diorite & conglomerate & basalt

17T 0509276            Elevation = 367 m  
5201092

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
- Map 2212 also indicates that nearby, about 450 m to the East, is the upper Wanapitei fault and several smaller faults pointing this direction
- Map 2212 also indicates that nearby, about 200 m to the West, is a large outcrop of 11 Quartz diabase (Nipissing type) PRECAMBRIAN Late mafic intrusive rocks and a fault about 150 m away
- I see a pink granite / pegmatite intruding into metavolcanics  
Pictures 914 granite & metavolcanics

17T 0509268            Elevation = 365 m  
5201084

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
- Map 2212 also indicates that nearby, about 450 m to the East, is the upper Wanapitei fault and several smaller faults pointing this direction
- Map 2212 also indicates that nearby, about 200 m to the West, is a large outcrop of 11 Quartz diabase (Nipissing type) PRECAMBRIAN Late mafic intrusive rocks and a fault about 150 m away
- I see two large white quartz veins in a v shape with 2 small white quartz veins crossing them
- The quartz are in metavolcanics
- I see some diorite  
Pictures 915 Quartz & metavolcanics & diorite

17T 0509260            Elevation = 365 m  
5201141

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
- Map 2212 also indicates that nearby, about 450 m to the East, is the upper Wanapitei fault and several smaller faults pointing this direction
- Map 2212 also indicates that nearby, about 200 m to the West, is a large outcrop of 11 Quartz diabase (Nipissing type) PRECAMBRIAN Late mafic intrusive rocks and a fault about 150 m away
- I see diorite with dark fragments in it
- Some fragments are rounded, some are angular or elongated (Volcanic breccia)
- The fragments are small or medium in size
- I see a few large white/pink quartz veins  
Pictures 916 Diorite & metavolcanics & quartz & Breccia

17T 0509229            Elevation = 354 m  
5201323

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
- Map 2212 also indicates that nearby, about 450 m to the East, is the upper Wanapitei fault and several smaller faults pointing this direction
- Map 2212 also indicates that nearby, about 200 m to the West, is a large outcrop of 11 Quartz diabase (Nipissing type) PRECAMBRIAN Late mafic intrusive rocks and a fault about 150 m away
- I see a pink granite
- I see some rust  
Pictures 917 Granite

17T 0508718            Elevation = 387 m  
5199738

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
  - Map 2212 also indicates that nearby, about 200 m to the East, is a large outcrop of 11 Quartz diabase (Nipissing type) PRECAMBRIAN Late mafic intrusive rocks
  - I see metavolcanics with large white/pink granite veins
  - The veins go in several directions
  - One vein looks like a dike
- Pictures 918 Metavolcanics & dike

17T 0508716            Elevation = 391 m  
5199744

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
  - Map 2212 also indicates that nearby, about 200 m to the East, is a large outcrop of 11 Quartz diabase (Nipissing type) PRECAMBRIAN Late mafic intrusive rocks
  - I see a large white quartz vein in pink pegmatites
  - The pegmatites and the quartz look very fractured
  - Nearby, the outcrop is smooth and rounded
  - I see pink granite
- Pictures 919 Quartz & pegmatites & granite

17T 0508719            Elevation = 391 m  
5199729

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
  - Map 2212 also indicates that nearby, about 200 m to the East, is a large outcrop of 11 Quartz diabase (Nipissing type) PRECAMBRIAN Late mafic intrusive rocks
  - I see a pink dike and several pink veins (Granite like)
  - The veins cross cut the dike
  - I see green metavolcanic bedrock
  - Nearby seem to be some granite
  - Nearby I see a bit of white quartz
- Pictures 920 Metavolcanics & dike & granite

17T 0508764            Elevation = 388 m  
5199671

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
  - Map 2212 also indicates that nearby, about 150 m to the East, is a large outcrop of 11 Quartz diabase (Nipissing type) PRECAMBRIAN Late mafic intrusive rocks
  - I see a fragment of metavolcanic in the pink granite
  - I see a large outcrop of pink granite
  - I see the contact zone between the granite & metavolcanics
  - I see several pink veins in the metavolcanics
- Pictures 921 Contact between granite & metavolcanics

17T 0508548          Elevation = 384 m  
5200256

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a large white quartz or calcite vein (Need to do acid test here)
  - I see some metavolcanics here and nearby
  - Nearby I see pillow lava (See picture 6 of 9)
  - The bedrock is really white here
  - I see a pink granite boulder
- Pictures 922 Quartz & metavolcanics & Pillow Lava

17T 0508538          Elevation = 383 m  
5200246

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see metavolcanics (Diorite)
  - I see a large white quartz vein
  - Nearby is see the contact zone between the pink granite & the metavolcanics
  - A small boulder, similar to the host metavolcanics has some rust and\_ purple color
- Pictures 923 Quartz & contact & metavolcanics & granite

17T 0508548          Elevation = 397 m  
5200427

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see the contact zone between the pink granite & the metavolcanics
  - The metavolcanics has some diorite and some small quartz fragments
- Pictures 924 Contact & metavolcanics & Diorite & granite

17T 0508512          Elevation = 388 m  
5200467

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see the contact zone between the pink granite & the metavolcanics
  - I see bacterial growth with a golden color on some boulders and on some bedrock (Scatered)
  - I see a few pegmatite veins
  - I see a bit of quartz
- Pictures 925 Contact & metavolcanics & granite & quartz

17T 0508415          Elevation = 394 m  
5200851

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a metavolcanic intrusion with large granite breccia
  - I see a diorite
  - This could be a porphyry
- Pictures 926 metavolcanics & breccia & diorite & Porphyry

17T 0508419          Elevation = 396 m  
5200846

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite

- I see metavolcanics
  - I see a diorite / gabbro
  - I see pink granite intrusions
  - Very altered (Volcanic flow)
- Pictures 927 Metavolcanics & Intrusions & gabbro

17T 0508537          Elevation = 384 m  
5200936

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a porphyry or a pegmatite
  - I see lots of small pieces of quartz
  - I see some pink granite
- Pictures 928 Porphyry or pegmatite

17T 0508341          Elevation = 374 m  
5201001

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see metavolcanics with pink granite intruding
- Pictures 929 Metavolcanics & granite contact

17T 0508339          Elevation = 374 m  
5200998

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see metavolcanics with lots of rust and purple color
  - I see minerals in the metavolcanic (Gold and silver in color)
  - I see some quartz
- Pictures 930 Metavolcanics & minerals & quartz

17T 0508372          Elevation = 378 m  
5201057

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a quartz vein in a sedimentary type bedrock
  - I see metavolcanics (Diorite)
  - I see the contact between pink granite & metavolcanic
  - Nearby I see a quartz dike
- Pictures 931 Metavolcanics & granite & contact & dike

17T 0508445          Elevation = 391 m  
5201191

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a few white quartz veins in fragmented feldspar
  - Nearby I see lots of quartz
  - Nearby I see what looks like sedimentary feldspar & quartz pebbles
  - Nearby I see conglomerate layers
  - Nearby I see metavolcanics with some rust
- Pictures 932 Quartz & Conglomerates & rust



17T 0508457            Elevation = 399 m  
5201239  
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite  
- I see a pink pegmatite vein cutting metavolcanics  
- I see what looks like finely bedded argillite  
Pictures 933 metavolcanics & pegmatite vein

17T 0508483            Elevation = 393 m  
5201224  
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite  
- I see white quartz and pink feldspar pegmatites  
- The host bedrock is fine grain  
Pictures 934 pegmatites & quartz

17T 0508470            Elevation = 392 m  
5201218  
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite  
- I see some pink granite  
- I see some pink pegmatites  
- I see a bit of quartz  
Pictures 935 Quartz & pegmatites & granite

17T 0508506            Elevation = 405 m  
5201425  
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite  
- I see pink granite  
- I see a bit of quartz  
Pictures 936 quartz & granite

At this point we were leaving our claim area. We continued down the road in an attempt to access our other claims. I decided to document the outcrops along the roads. (Crowland)

17T 0508406            Elevation = 397 m  
5201839  
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite  
- I see a few white quartz veins  
- I see pink granite intruding metavolcanics  
Pictures 937 quartz & granite & metavolcanics & contact

17T 0508259            Elevation = 398 m  
5201920  
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite  
- I see large white quartz veins  
- Nearby I see some pink granite intruding metavolcanics  
- I see some small quartz pebbles in some of the bedrock  
Pictures 938 quartz & granite & metavolcanics & contact

17T 0508038            Elevation = 394 m

5201853

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see volcanic breccia
  - The fragments are angular and pink in color
  - I see metavolcanics
  - I see some rusted pyrite cubes in the metavolcanics
- Pictures 939 Breccia & rust & metavolcanics

17T 0508143          Elevation = 402 m

5202074

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see what looks like a feldspar pegmatite
  - The outcrop is rounded and flat
  - Thin sections are flaking off the top
  - Nearby looks like a conglomerate
  - Most fragments are rounded a few are angular
- Pictures 940 Conglomerate & pegmatites

17T 0507670          Elevation = 393 m

5202150

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a pink-white-black granite
- Pictures 941 Granite

17T 0507430          Elevation = 398 m

5202204

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a pink granite
- Pictures 942 Granite

17T 0507421          Elevation = 400 m

5202332

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a diorite
- Pictures 943 Diorite

17T 0507246          Elevation = 396 m

5202084

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a diorite
  - I see a small white quartz vein
- Pictures 944 Diorite

17T 0507250          Elevation = 395 m

5202109

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a diorite
- Pictures 945 Diorite

17T 0507189            Elevation = 394 m

5202096

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a pink granite
- Pictures 946 Granite

17T 0506937            Elevation = 405 m

5202076

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a pink granite
- Pictures 947 Granite

17T 0506503            Elevation = 398 m

5202173

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a pink granite
- Pictures 948 Granite

17T 0506404            Elevation = 398 m

5202138

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a pink granite
- Pictures 949 Granite

17T 0506344            Elevation = 404 m

5202011

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a pink granite
- Pictures 950 Granite

17T 0506136            Elevation = 396 m

5201353

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
- I see a swamp with no visible outcrops
- This area gives access to the North-Eastern corner of claim 112718 and several meters to the East we have access to the North-Western part of claim 198640.

17T 0508195            Elevation = 384 m

5199952

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see intrusive diorite
  - I see contact zone between metavolcanic and pink granite
  - I see a few white stringers in the metavolcanics
- Pictures 951 Diorite & contact & granite & stringers

17T 0508300            Elevation = 384 m

5199634

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see pink granite
- Pictures 952 Granite

17T 0508017          Elevation = 374 m

5199071

- Map 2212 indicates a fault line in this area
  - Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite ARCHEAN
  - Map 2212 indicates 9c Finely bedded argillite
  - I see argillite
  - I see a pink, angular granite conglomerate
  - I see a bit of quartz
- Pictures 953 Argillite & conglomerate

17T 0507722          Elevation = 390 m

5199138

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see what looks like a quartzite
  - I see a conglomerate with large fragments
- Pictures 954 Conglomerate & quartzite

17T 0507698          Elevation = 389 m

5199145

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see metavolcanics (Diorite with a few pink grains)
  - I see dark, angular fragments (More like a Gabbro)
- Pictures 955 Diorite & fragments

17T 0507654          Elevation = 387 m

5199155

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a few pink, angular or rounded fragments
  - I see a darker, rounded fragment
  - I see metavolcanic
  - I see porphyry
  - The porphyry has small white spots
  - I see a large quartz vein with lots of rust
- Pictures 956 Porphyry & rusty quartz

17T 0507792          Elevation = 400 m

5199723

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a pegmatite in pink granite
  - I see lots of biotite mica
- Pictures 957 Granite & Pegmatite & mica

17T 0507805          Elevation = 397 m

5199730

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a porphyry
  - The feldspar crystals are very large
  - The matrix looks like a diorite
- Pictures 958 Porphyry

17T 0508202          Elevation = 319 m

5199977

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see Metavolcanics
  - I see diorite intrusions
  - I see large pink granite veins and angular fragments (Volcanic Breccia)
  - I see a small vein of pink pegmatites
- Pictures 959 Metavolcanics & diorite & granite fragments & pegmatites & breccia

17T 0507709          Elevation = 383 m

5199871

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a quartz and feldspar pegmatite
  - I see some quartz
  - I see lots of biotite mica in the pegmatites
  - Some mica reflected blue light and appeared as blue aqua marines
  - Some mica also reflected orange and gold colors
  - I see metavolcanics
  - I see diorite
- Pictures 960 Metavolcanics & pegmatites & quartz & Diorite & mica

17T 0507683          Elevation = 385 m

5199890

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see some white quartz and pink feldspar
  - I see pink granite
  - I see a few small quartz veins and some quartz pebbles
- Pictures 961 granite & quartz

17T 0507694          Elevation = 388 m

5199901

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a pegmatite
  - Nearby I see metavolcanics
  - Nearby I see a bit of quartz on top of bedrock
- Pictures 962 Pegmatite & metavolcanics & quartz

17T 0507701          Elevation = 389 m

5199919

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
- I see pegmatites

- I see some quartz
  - Nearby I see metavolcanics
  - Nearby I see what looks like dark volcanic breccia
- Pictures 963 Pegmatites & metavolcanics & breccia & quartz

17T 0507687          Elevation = 392 m  
5199957

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see pegmatites flow patterns
  - I see some quartz in the pegmatites
  - Nearby I see a few large white quartz veins
  - Nearby I see some light pink granite
- Pictures 964 Pegmatites & Quartz & granite

17T 0507706          Elevation = 392 m  
5199967

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see large, white, square crystals
  - I see a porphyry
  - I see lots of quartz on the surface
  - I see breccia
  - Nearby I see metavolcanics
  - Nearby I see the contact zone
- Pictures 965 Porphyry & quartz & metavolcanics & contact & breccia

17T 0507710          Elevation = 391 m  
5199992

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see pink granite with a dark 6 in to 10 in lava flow
  - Nearby I see metavolcanics
  - Nearby I see diorite
  - Nearby I see volcanic breccia
  - Nearby I see a small white quartz vein
  - Nearby I see the contact zone
- Pictures 966 Metavolcanics & diorite & breccia & quartz & contact

17T 0507738          Elevation = 391 m  
5200019

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see white quartz in pink granite
  - I see a contact zone between pink granite and underlying metavolcanics
  - I see some diorite intruding into the metavolcanics
  - The metavolcanics bedrock is dark blue in color (Dark grey on surface)
- Pictures 967 Metavolcanics & Granite & Contact

17T 0507725          Elevation = 398 m  
5200105

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite

- I see a large white quartz vein in a pinkish granite
  - I see pink granite intruding
  - Nearby I see what look like a pegmatite or a porphyry
  - The pegmatites or porphyry are covered by a thin white quartz
- Pictures 968 Quartz & Granite & Pegmatite

17T 0507729          Elevation = 402 m  
5200212

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see pink granite
  - I see a bit of pegmatites
- Pictures 969 Granite & pegmatites

17T 0507692          Elevation = 400 m  
5200306

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see pink pegmatites and pink granite
  - The granite has large black – pink – white grains
- Pictures 970 Granite & pegmatites

17T 0507759          Elevation = 375 m  
5200566

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a large pegmatite outcrop
  - I see some granite
  - I see what look like a contact zone with metavolcanic bedrock
- Pictures 971 Large Pegmatite outcrop & Granite & contact

17T 0507492          Elevation = 395 m  
5200907

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see pink granite with a large pegmatite vein
  - Nearby, the bedrock is rounded and very smooth
- Pictures 972 Granite & pegmatite vein

17T 0507212          Elevation = 406 m  
5200756

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a pink granite
- Pictures 973 Granite

17T 0507050          Elevation = 401 m  
5200691

- I see a claim post for claim 4270077. 400 m of 4
- Pictures 974 Claim post

17T 0507048          Elevation = 402 m  
5200680

- I see a claim post for claim 4270626. 1200 m of 3  
Pictures 975 Claim post

17T 0507050          Elevation = 402 m  
5200672

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
- I see pink granite  
Pictures 976 Granite

17T 0506955          Elevation = 395 m  
5200135

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
- I see pink granite with a large pegmatite vein  
Pictures 977 Granite & pegmatite vein

17T 0505600          Elevation = 412 m  
5200694

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
- I see lots of large greywacke boulders and one with some pink granite contacting greywacke
- I see some greywacke bedrock  
Pictures 978 Greywacke & Boulders

17T 0505726          Elevation = 395 m  
5199583

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
- I see some greywacke
- I see a few pink veins  
Pictures 979 Greywacke & pink veins

17T 0505381          Elevation = 358 m  
5201290

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
- I see some greywacke  
Pictures 980 Greywacke

17T 0505406          Elevation = 363 m  
5201280

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
- I see some greywacke
- Nearby I see some pink granite  
Pictures 981 Greywacke & pink granite

17T 0505363          Elevation = 371 m  
5201315

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
- I see some greywacke
- Nearby I see some quartz monzonite



Pictures 982 Greywacke & quartz monzonite

17 T 0504962                      Elevation = 368m  
5198562

- Map 2212 indicates 10 Quartzite, argillite, conglomerate (LORRAIN Formation) HURONIAN
- I see sedimentary bedrock. Somewhat like the undifferentiated bedrock.
- I see a conglomerate bedrock.
- The bedrock is really white.

Pictures 983 Undifferentiated & Conglomerate

17T 0504970                      Elevation = 371m  
5198429

- Map 2212 indicates 10 Quartzite, argillite, conglomerate (LORRAIN Formation) HURONIAN
- Map 2212 also indicates Breccia nearby
- I see some greywacke with some white precipitate.
- Some of the greywacke seemed to oxidize to a brown layer. In one area there is layer that is oxidized to a yellow color.
- Nearby is a rock face that is covered by gravel. The exposed top layer looks like a greywacke. Below the gravel maybe the conglomerates mentioned in map 2212. Need to wash rock face.
- Nearby I see some argillite. (Argillite has some rust)
- Nearby is some outcrops that have oxidized white.

Pictures 984 Greywacke & Argillite

17T 0505442                      Elevation = 368m  
5198021

- Map 2212 indicates 9c Finely bedded argillite
- I see Greywacke and some quartzite
- The quartzite is light green
- This area is bordered by Olivine diabase just south of this location

Pictures 985 Greywacke & quartzite

17 T0505034                      Elevation = 376m  
5199081

- Map 2212 indicates 9 Undifferentiated (Gowganda Formation) to the North and West of this location and 10 Quartzite, argillite, conglomerates to the East and South of this location.
- I don't see any outcrops. I see lots of rounded boulders and pebbles.
- Lots of the small boulders are rusted. There seems to be some purple mineral below the rust
- Not analysed

Pictures 986 Rusted, rounded rocks

17 T 0497909                      Elevation = 428m  
5202070

- Map 2212 indicates 9c Finely bedded argillite
- I see what looks like greywacke and the straight bands of undifferentiated bedrock.
- I see a few spots of rust in the undifferentiated bedrock. This is not typical undifferentiated bedrock. There isn't the usual light and grey thin layers. The layers are much larger. Could be Argillite.
- The greywacke is Fine grain.

Pictures 987 Argillite & greywacke

17 T 0497699                      Elevation = 429m  
5201139

- Map 2212 indicates 11 Quartz diabase (Nipissing type)
  - Just South map 2212 indicates 12 Olivine diabase contacting 9c Finely bedded argillite
  - I see a rough texture, greenish bedrock (Inside appears dark grey)
  - The grain size are large.
  - I think it's a form of quartzite
  - I see a few small white dikes
- Pictures 988 Quartzite

17 T 0497584                      Elevation = 425m  
5201078

- Map 2212 indicates 11 Quartz diabase (Nipissing type)
  - Just South map 2212 indicates 12 Olivine diabase contacting 9c Finely bedded argillite
  - I see a rough texture, greenish bedrock (Inside appears dark grey) Just like pic 988
  - The grain size are large.
  - I think it's a form of quartzite
- Pictures 989 Quartzite

17 T 0496752                      Elevation = 445m  
5202124

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a rough texture that looks like quartz monzonite
  - I see a bit of quartz and some small quartz veins
  - I see two large pegmatite dikes (About 15 cm each)
  - Nearby is a smooth, rounded outcrop
- Pictures 990 Quartz monzonite & pegmatite dikes

17 T 0496815                      Elevation = 445m  
5202100

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a dark, granodiorite
  - Nearby I see a greenish quartzite
  - Looks like the granodiorite covers the green quartzite
  - Could also be some greywacke
- Pictures 991 Granodiorite & Quartzite

17 T 0496793                      Elevation = 436m  
5201930

- Map 2212 indicates 11 Quartz diabase (Nipissing type)
  - I see a rough dark grey/green quartzite
- Pictures 992 Quartzite

17 T 0496746                      Elevation = 433m  
5201882

- Map 2212 indicates 11 Quartz diabase (Nipissing type)

- I see a rough dark grey/green quartzite
  - The bottom of the outcrop is yellow/orange (rust)
  - A fresh break reveals a dark grey bedrock. Almost a gabbro
- Pictures 993 Quartzite

17 T 0496556                      Elevation = 440m  
5201797

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a pegmatites dike
  - Nearby I see a grey quartzite
- Pictures 994 Quartzite & Pegmatite dike

17 T 0496838                      Elevation = 425m  
5201423

- Map 2212 indicates 11 Quartz diabase (Nipissing type)
  - I see a rough, dark grey/green bedrock
  - Maybe a diabase in some areas but looks like quartzite
- Pictures 995 Quartzite

17 T 0497796                      Elevation = 437m  
5201140

- Map 2212 indicates that this is the contact zone between 11 Quartz diabase (Nipissing type) and 13 Olivine Diabase.
  - I see what appears to be the contact between the dark grey, rough bedrock (Quartzite) and a light brown bedrock.
  - The light brown bedrock is a conglomerate
  - One larger fragment is the same as the dark quartzite, other smaller ones are rounded and white
  - The light brown bedrock is dark blue inside.
  - There is also some pyrite cubes inside the conglomerate. (Greywacke)
  - Nearby I see some diorite
- Pictures 996 Quartzite & Conglomerate & minerals

17 T 0504401                      Elevation = 391m  
5199069

- Map 2212 indicates 9 Undifferentiated (Gowganda Formation)
  - I see what looks like greywacke.
  - The bedrock erodes to a yellow color
- Pictures 997 Greywacke

17 T 0507708                      Elevation = 415m  
5199870

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see quartz and feldspar pegmatites dikes
  - I see lots of biotite mica
  - Nearby appear to have some granodiorite
- Pictures 998 Pegmatites & mica

- 17 T 0507703                      Elevation = 393m  
5199971
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a porphyritic bedrock overlying a diorite/gabbro
  - I see a few stringers
  - Nearby I see large porphyritic cubes (about 70 mm)
- Pictures 999 Porphyry & Diorite
- 17 T 0507716                      Elevation = 394m  
5199817
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see quartz and feldspar pegmatites dikes
  - The host bedrock looks like a greywacke
- Pictures 1000 Pegmatites & Greywacke
- 17 T 0507752                      Elevation = 394m  
5199799
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a large grain pink granite with pegmatite intrusions
- Pictures 1001 Granite & pegmatites
- 17 T 0507851                      Elevation = 390m  
5199713
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a large quartz/feldspar pegmatite intrusion
- Pictures 1002 Pegmatites
- 17 T 0507857                      Elevation = 390m  
5199708
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a diorite intrusion and what appears to be breccia
  - The fragments are dark and appear to be like a greywacke
- Pictures 1003 Diorite & Breccia
- 17 T 0507849                      Elevation = 390m  
5199703
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see small and large fragments in a breccia
  - I see some diorite/gabbro intrusion
  - I see porphyritic bedrock. (Large square feldspar crystals)
  - I see some pyrite in the porphyry
  - I see a large quartz/feldspar dike
- Pictures 1004 Breccia & Porphyry & diorite
- 17 T 0507843                      Elevation = 391m  
5199699
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a pink pegmatite dike in diorite

Pictures 1005 Pegmatite dike & diorite

17 T 0507839                      Elevation = 300m  
5199711

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
- I see breccia with white fragments (Slightly rounded)
- I see a few porphyritic feldspar crystals
- I see diorite and a large pink dike

Pictures 1006 Breccia & diorite & large dike

17 T 0507848                      Elevation = 390m  
5199641

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
- I see a large pegmatite intrusion.
- The crystals are small
- I see the surface is rusty.

Pictures 1007 Pegmatites & rust

17 T 0507828                      Elevation = 396m  
5199636

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
- I see large pink feldspar crystals (about 45mm) Porphyry
- Lots of bacterial growth
- Nearby I see a small rock face that looks like the contact zone
- The dark face eroded to a yellow color
- Several intrusive activities occurred here

Pictures 1008 Porphyry & contact

17 T 0507881                      Elevation = 391m  
5199645

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
- I see a porphyry
- I see a few fragments of quartz and feldspar
- Nearby I see a breccia

Pictures 1009 Porphyry & Breccia

17 T 0508119                      Elevation = 383m  
5199694

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
- I see pink granite
- I see pegmatites
- A large fracture split the bedrock and created an extremely large fragment

Pictures 1010 granite & pegmatites

17 T 0508176                      Elevation = 385m  
5199910

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
- I see several pink dikes

- I see a diorite intrusion in the granite
  - Looks like a breccia
- Pictures 1011 pink dikes & Diorite & Breccia

17 T 0508196                      Elevation = 389m  
5199952

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see diorite and granodiorite intrusions
  - I see some granite contacting the diorite
- Pictures 1012 granodiorite & granite

17 T 0509482                      Elevation = 357m  
5200097

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite and 1 Undifferentiated mafic to intermediate metavolcanics
  - I see a breccia
  - I see a small pink dike and some small amount of quartz
  - I see a larger pink dike
  - I see a large quartz dike with pink on each side of it
  - This looks like metavolcanics
- Pictures 1013 breccia & dike & metavolcanics

17 T 0509635                      Elevation = 365m  
5199506

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite and 1 Undifferentiated mafic to intermediate metavolcanics
  - I see metavolcanics intruding pink quartz
- Pictures 1014 metavolcanics intruding granite

17 T 0509709                      Elevation = 359m  
5199185

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see what looks like metavolcanics
  - I see some quartz with minerals in it (Maybe bornite)
  - I see some mica in the quartz
- Pictures 1015 Metavolcanics & mineralized quartz

17 T 0509672                      Elevation = 358m  
5199195

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - Looks like a mud stone. (Could be argillite) Could be metasediments.
  - I also see what looks like a greywacke
- Pictures 1016 Metasediments & greywacke

17 T 0509672                      Elevation = 357m  
5199201

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
- I see quartz with pink granite intruding

- Looks like the host bedrock is a porphyritic outcrop
  - This outcrop looks like metavolcanics
- Pictures 1017 granite intrusion & metavolcanics

17 T 0509676                      Elevation = 358m  
5199208

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see a large dike and several smaller dikes leaving the same area. (Shape of a large flee)
  - I see metavolcanics
  - Could be a breccia
- Pictures 1018 metavolcanics & several large dikes

17 T 0510294                      Elevation = 319m  
5199205

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite and 1 Undifferentiated mafic to intermediate metavolcanics to the North and 11 Quartz diabase (Nipissing type) to the South
  - I see small boulders with bacteria that have a gold color
  - Looks like metasediments
- Pictures 1019 metasediments and gold colored bacteria

17 T 0510158                      Elevation = 291m  
5199382

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite. To the East is Metavolcanics
  - I see what looks like metavolcanics with granite intrusions
- Pictures 1020 metavolcanics

17 T 0509969                      Elevation = 297m  
5200517

- Map 2212 indicates 2 Undifferentiated felsic metavolcanics
  - I see metavolcanics and a few stringers
  - I see a few granite fragments
  - I see a bit of rust (Limonite) on the surface of the metavolcanic bedrock
  - This area is next to the Wanapetei river
- Pictures 1021 metavolcanics

17 T 0509940                      Elevation = 294m  
5200597

- Map 2212 indicates 2 Undifferentiated felsic metavolcanics
  - I see metavolcanics covered by a conglomerate
  - I see metasediments
- Pictures 1022 metavolcanics & conglomerates

17 T 0510175                      Elevation = 297m  
5202712

- Map 2212 indicates 8 Quartzite, greywacke, argillite and conglomerates to the East and 6 conglomerates and quartzite on the island
- The above coordinates are on the road but the picture is of the island.

- I see conglomerates on the island
  - I see a few small quartz veins
- Pictures 1023 Conglomerate island

17 T 0510189                      Elevation = 303m  
5202656

- Map 2212 indicates 8 Quartzite, greywacke, argillite and conglomerates
  - I see some quartz (Hard to tell with all that bacterial growth)
  - I see a large rock face. About 10m from road. There are vertical column like structures
  - Looks like sedimentary bedrock turned 90°.
  - Looks like uplifting occurred here.
  - Looks like greywacke
- Pictures 1024 Greywacke

17 T 0510168                      Elevation = 301m  
5202560

Scip to 1027

17 T 0496685                      Elevation = 411m  
5200631

- Map 2212 indicates 9d Massive feldspathic greywacke
  - I see elongated shapes of sedimentary bedrock.
  - I see large and small fragments
  - There are flow patterns
  - I think this is pseudotachylite (Sudbury Breccia)
- Pictures 1027 Pseudotachylite

17 T 0496695                      Elevation = 416m  
5200625

- Map 2212 indicates 9d Massive feldspathic greywacke
  - I see pseudotachylite (Sudbury Breccia)
  - I see a mineralized stringer (Looks like pyrite)
  - I see flow patterns
  - Some of the fragments are dark in color others are layered sedimentary. A few are granite.
  - Most fragments are rounded.
  - Many fragments are quite large.
- Pictures 1028 Pseudotachylite

17 T 0496700                      Elevation = 415m  
5200626

- Map 2212 indicates 9d Massive feldspathic greywacke
- I see pseudotachylite (Sudbury Breccia)
- I see a mineralized fragment
- I see flow patterns
- Some of the fragments are dark in color others are layered sedimentary. A few are granite.
- Most fragments are rounded.
- Many fragments are quite large.



Pictures 1029 Pseudotachylite & quartz

- 17 T 0496700                      Elevation = 417m  
5200619
- Map 2212 indicates 9d Massive feldspathic greywacke
  - I see a mineralized stringer in the host bedrock next to the pseudotachylite (Sudbury Breccia)
  - I see rust and pyrite and a blue mineral.
  - Looks like the pseudotachylite intruded a sedimentary bedrock
- Pictures 1030 Pseudotachylite & rust

- 17 T 0496700                      Elevation = 422m  
5200619
- Map 2212 indicates 9d Massive feldspathic greywacke
  - I see pseudotachylite (Sudbury Breccia)
  - Ryan took a sample with visible minerals. (Pyrite)
- Pictures 1031 Pseudotachylite and sample

- 17 T 0496626                      Elevation = 404m  
5200496
- Map 2212 indicates 9d Massive feldspathic greywacke
  - I see a greywacke and an undifferentiated bedrock
  - I see some mineral balls in a large boulder
  - Some of the minerals have eroded to a blue color.
  - Pyrite is also visible
- Pictures 1032 Greywacke & minerals

- 17 T 0495339                      Elevation = 414m  
5200680
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite and 1 Undifferentiated mafic to intermediate metavolcanics
  - I see pseudotachylite (Sudbury Breccia)
  - There are small, medium and large fragments
  - The fragments are polymictic
- Pictures 1033 Pseudotachylite

- 17 T 0495172                      Elevation = 426m  
5200672
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, pegmatite and 1 Undifferentiated mafic to intermediate metavolcanics
  - I see a few small fragments of smoky quartz and a few larger quartz fragments
  - I see a sedimentary bedrock
  - Looks like a greywacke
- Pictures 1034 greywacke

- 17 T 0495169                      Elevation = 424m  
5200688
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite in the area

- Map 2212 also indicates a small strip of Archean 1 Undifferentiated mafic to intermediate metavolcanics and 2 Undifferentiated felsic metavolcanics
  - I see a large white quartz vein in Archean metavolcanics
  - Looks like the quartz feldspar (hornblende) biotite schist in CREELMAN township
  - I see lots of stringers
  - I see what looks like sedimentary bedrock contacting the metavolcanics (metasediments)
- Pictures 1035 Metavolcanics & large dike

17 T 0495171                      Elevation = 423m  
5200699

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite in the area
  - Map 2212 also indicates a small strip of Archean 1 Undifferentiated mafic to intermediate metavolcanics and 2 Undifferentiated felsic metavolcanics
  - I see what looks like a diorite intrusion
  - The surface is smooth
  - Nearby I see the Archean metavolcanics and metasediments.
  - I see some boulder with rusted a face and unrusted circles in them. Found this type of boulder at pine lake and Frog lake. This area far away from a water body compared to the others.
- Pictures 1036 Diorite & Metavolcanics & Rusted boulders

17 T 0495166                      Elevation = 429m  
5200676

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite and 1 Undifferentiated mafic to intermediate metavolcanics in the area
  - Map 2212 also indicates a small strip of 2 Undifferentiated felsic metavolcanics and 1 Undifferentiated mafic to intermediate metavolcanics in the area
  - I see what looks like lava balls deposited in underwater metasediments.
  - I see some minerals and rust in some metasediments
  - Nearby I see what looks like Sudbury Breccia (Could be some pseudotachylite)
- Pictures 1037 Lava balls & Breccia pseudotachylite

17 T 0495067                      Elevation = 437m  
5200527

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite
  - Map 2212 also indicates a small strip of 2 Undifferentiated felsic metavolcanics and 1 Undifferentiated mafic to intermediate metavolcanics in the area
  - I see a quartz feldspar pegmatite dike with some mica
  - The host bedrock look like a diorite
- Pictures 1038 Diorite & dike

17 T 0495068                      Elevation = 436m  
5200510

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite
  - Map 2212 also indicates a small strip of 2 Undifferentiated felsic metavolcanics and 1 Undifferentiated mafic to intermediate metavolcanics in the area
  - I see a large white quartz dike in an intrusive diorite.
- Pictures 1039 Diorite & quartz

- 17 T 0495062                      Elevation = 437m  
5200493
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite
  - Map 2212 also indicates a small strip of 2 Undifferentiated felsic metavolcanics and 1 Undifferentiated mafic to intermediate metavolcanics in the area
  - I see an intrusive pegmatite intruding a diorite
  - I see some quartz with mica in it
  - Nearby I see some granite
- Pictures 1040 Diorite & pegmatite & granite
- 17 T 0494938                      Elevation = 436m  
5200498
- Map 2212 indicates a small strip of 2 Undifferentiated felsic metavolcanics and 1 Undifferentiated mafic to intermediate metavolcanics in the area
  - Map 2212 also indicates 3a Quartz monzonite, granite, granodiorite
  - I see a diorite with a large pegmatite/granite dike
  - Nearby I see some granite
- Pictures 1041 Diorite & large dike
- 17 T 0494950                      Elevation = 436m  
5200496
- Map 2212 indicates a small strip of 2 Undifferentiated felsic metavolcanics and 1 Undifferentiated mafic to intermediate metavolcanics in the area
  - Map 2212 also indicates 3a Quartz monzonite, granite, granodiorite
  - I see a pegmatite intrusion. The pegmatite has biotite mica
  - The host bedrock is a diorite
- Pictures 1042 Diorite & pegmatite dike with mica
- 17 T 0494594                      Elevation = 420m  
5200448
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite in the area and to the North
  - Map 2212 also indicates 5c Quartz pebble conglomerate in the area and to the South
  - I see lots of quartz pebble conglomerate boulders. Looks like it rolled down the hill South of this location.
  - No visible outcrop. Swamp and clear cut area.
  - There is lots of rust in the matrix surrounding the pebbles.
- Pictures 1043 Quartz pebble conglomerate boulders
- 17 T 0494608                      Elevation = 419m  
5200435
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite in the area and to the North
  - Map 2212 also indicates 5c Quartz pebble conglomerate in the area and to the South
  - I see more quartz pebble conglomerate boulders. Looks like it rolled down the hill South of this location.
  - No visible outcrop. Swamp and clear cut area.
  - There is lots of rust in the matrix surrounding the pebbles.
- Pictures 1044 Quartz pebble conglomerate boulders

17 T 0494619                      Elevation = 422m  
5200441

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite in the area and to the North
- Map 2212 also indicates 5c Quartz pebble conglomerate in the area and to the South
- I see some very rusty quartz pebble conglomerate boulders. Looks like it rolled down the hill South of this location.
- No visible outcrop. Swamp and clear cut area.
- There is lots of rust in the matrix surrounding the pebbles.

Pictures 1045 Quartz pebble conglomerate boulders

17 T 0494683                      Elevation = 415m  
5200443

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite in the area and to the North
- Map 2212 also indicates 5c Quartz pebble conglomerate in the area and to the South
- I see a few quartz pebble boulders. Lot less
- Nearby I see a conglomerate. Not rusted

Pictures 1046 Quartz pebble conglomerate

17 T 0495234                      Elevation = 432m  
5201024

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite in the area
- I see some quartz in what looks like quartz monzonite
- The bedrock is oxidized to a white color
- I see what looks like a quartz pebble conglomerate

Pictures 1047 Quartz & conglomerate

17 T 0496682                      Elevation = 414m  
5200837

- Map 2212 indicates Gowganda formation
- I see undifferentiated bedrock

Pictures 1048 Undifferentiated

17 T 0508088                      Elevation = 373m  
5199173

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite in the area
- I see a bit of diorite and some metavolcanic bedrock
- I see some quartz
- The dark lava with the small white quartz fragments reminds me of the pseudotachylite
- Need to expose more bedrock

Pictures 1049 Metavolcanics & maybe Pseudotachylite

17 T 0507654                      Elevation = 383m  
5199142

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite in the area
- The bedrock is rough texture and look sedimentary in nature
- I see a large rusted quartz dike crossing a Matachewan dike
- I see some white fragments in the dike
- The Matachewan dike has small white blebs of various size

- The white quartz dike is in a NW to SE direction
  - Nearby is bedrock that oxidized white
- Pictures 1050 Matachewan dike and quartz dike

17 T 0510275                      Elevation = 297m  
5199141

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite 1 Undifferentiated mafic to intermediate metavolcanics in the area to the South and West.
  - Map also indicates 11 Quartz Diabase (Nipissing type)
  - I see large boulders have falling off the mountain. Unsafe
- Pictures 1051 Fallen boulders

Pictures 1052 to 1056 are on crown land

17 T 0510040                      Elevation = 367m  
5201455

- Map 2212 indicates 6 Conglomerate Quartzite (Bruce Formation)
  - I see a conglomerate.
  - The fragments are rounded, small and medium in size
  - The matrix is quite dark
  - I see some mineralization and rust
- Pictures 1057 Conglomerates & rust

17 T 0510061                      Elevation = 374m  
5201465

- Map 2212 indicates 6 Conglomerate Quartzite (Bruce Formation)
  - I see a conglomerate
  - The fragments are rounded, small, medium and large in size
  - I see some rust
- Pictures 1058 Conglomerates & rust

17 T 0510063                      Elevation = 375m  
5201443

- Map 2212 indicates 6 Conglomerate Quartzite (Bruce Formation)
  - I see a conglomerate
  - I see a very rusted area
  - The fragments are rounded, small, medium and large in size
  - Looks like an old river bed
- Pictures 1059 Conglomerates & rust

17 T 0510093                      Elevation = 372m  
5201392

- Map 2212 indicates 6 Conglomerate Quartzite (Bruce Formation)
- Map 2212 also indicates 5a Quartzite (Mississagi formation) just West of this location
- I see a sedimentary bedrock (Maybe part of the Bruce Formation without the conglomerates)
- I see lots of rust (One area is very rusted)(lots of purple)
- There is a bit of sulfur present in a fracture
- This is the side of a mountain

Pictures 1060 Sedimentary & very rusted

17 T 0510414                      Elevation = 335m  
5201242

- Map 2212 indicates 6 Conglomerate Quartzite (Bruce Formation)
  - Map 2212 also indicates (Espanola Formation) 7 Limestone, marble, interbedded siltstone just East of this location.
  - I see a polymictic conglomerate
  - Looks like an old river bed.
  - Most xenoliths (Fragments) are small. Some are very rusty.
  - The rusted fragments are rounded indicating they were transported some distance.
- Pictures 1061 Polymictic conglomerate & very rusted

17 T 0510392                      Elevation = 340m  
5201072

- Map 2212 indicates 6 Conglomerate Quartzite (Bruce Formation)
  - I see a conglomerate with small, medium and large white fragments
  - The fragments are white and rounded
  - I see lots of rusted pebbles in the conglomerate
- Pictures 1062 Conglomerate & very rusted

17 T 0510382                      Elevation = 341m  
5200932

- Map 2212 indicates 6 Conglomerate Quartzite (Bruce Formation)
  - I see a mega conglomerate
  - Lots of small and medium fragments with a few larger fragments
  - Most of the fragments are rounded and white
  - A few large fragments are dark quartzite
- Pictures 1063 Conglomerate

17 T 0510300                      Elevation = 354m  
5200731

- Map 2212 indicates 6 Conglomerate Quartzite (Bruce Formation)
  - I see a conglomerate
  - Lots of small and a few medium fragments are all white in color
  - Most of the fragments are rounded
  - I see some rust
- Pictures 1064 Conglomerates & rust

17 T 0499349                      Elevation = 439m  
5199766

- Map 2212 indicates Gowganda Formation 9c Finely bedded Argillite (Mud stone) & 9d Massive feldspathic greywacke in the area
  - I see a conglomerate with only a few medium size fragments visible.
  - There are lots of small white pebbles in the conglomerate
  - I see a white quartz vein
  - The bedrock is oxidized white
- Pictures 1065 Conglomerate & Argillite

- 17 T 0510279                      Elevation = 292m  
5199135
- Map 2212 indicates 11 Quartz Diabase (Nipissing type) PRECAMBRIAN, Late mafic intrusive rocks
  - Map 2212 also indicates 3a Quartz monzonite, granite, granodiorite and 1 Undifferentiated mafic to intermediate metavolcanics around this quartz diabase.
  - These are field samples that we took back to camp for examination.
  - You can visibly see the chalcopyrite in the chlorite vein. (Bornite was also discovered in this area)
  - The host rock is a diabase (Black and pink grains)
  - You can also see some biotite mica
- Pictures 1066 Samples viewed at camp
- 17 T 0507712                      Elevation = 437m  
5199858
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite in the area
  - I see a pegmatite intrusion
  - There is lots of biotite mica in the pegmatite
  - We took a sample R 68
  - The crystals are large, white or orange
  - Looks like quartz and some feldspar
- Pictures 1067 Pegmatites & Sample R 68
- 17 T 0507789                      Elevation = 396m  
5199725
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite in the area
  - I see a pegmatite intrusion
  - There is some biotite mica in the pegmatite
  - We took a sample R 69
  - The crystals are large, white or orange
  - Looks like quartz and some feldspar
- Pictures 1068 Pegmatites & Sample R 69
- 17 T 0508220                      Elevation = 390m  
5199786
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite in the area
  - I see a pink granite with some dark intrusive bedrock.
  - This is a mountain top
- Pictures 1069 Granite and intrusive
- 17 T 0507654                      Elevation = 377m  
5199151
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite in the area
  - I see what looks like a Metachewan dike with a white quartz dike
  - The Metachewan dike looks like a greenish gabbro with white rounded blebs
  - The white dike is rusted
  - We took sample R 67 in the rusted quartz vein
  - The quartz was really yellow

Pictures 1070 Metachewan dike & quartz & sample R 67

17 T 0510065 Elevation = 364m

5201444

- Map 2212 indicates 6 Conglomerate Quartzite (Bruce Formation)
  - I see a rusted quartzite and a conglomerate.
  - It was raining and the saw quit
  - The rust was just surface rust. (The return was white)
- Pictures 1071 Conglomerate & quartzite

17 T 0501839 Elevation = 390m

5198760

- Map 2212 indicates that this area is on a fault line between Archean quartz feldspar (Hornblende) Biotite schist and 9d Massive feldspathic greywacke
  - I see Archean quartz feldspar (Hornblende) Biotite schist with lots of stringers
  - There is a North South flow pattern
  - The sulfide bed was over 25 cm + (Some was cut off and some is still in bedrock)
- Pictures 1072 Massive sulfide

17 T 0495399 Elevation = 396m

5199223

- Map 2212 indicates 9d Massive feldspathic greywacke
  - Map 2212 indicates Quartz diabase (Nipissing type) South East of here but it is all covered by overburden. (Mostly beach sand)
  - The mountain looked like greywacke
  - A few grab samples looked like a diabase (The samples had lots of white grains)
- Pictures 1073 Greywacke

17 T 0495731 Elevation = 401m

5199267

- Map 2212 indicates 9d Massive feldspathic greywacke and 9a Undifferentiated
  - I see a rough slightly green bedrock
  - Below surface looks like a quartz gabbro.
  - The matrix is dark grey and the crystals are white
  - The bedrock was not magnetic
  - Looks like pictures 992 & 995
- Pictures 1074 Gabbro

17 T 0495765 Elevation = 406m

5199216

- Map 2212 indicates 9d Massive feldspathic greywacke and 9a Undifferentiated
  - I see a grey with white spots bedrock with a rough surface
  - I see some square crystals in the matrix. (Gabbro like)
  - I see some rust and pyrite
- Pictures 1075 Gabbro

17 T 0495610 Elevation = 397m

5198905

- Map 2212 indicates 9d Massive feldspathic greywacke



- I see a conglomerate
  - There are lots of small white fragments and a few medium size diorite fragments
  - Most of the fragments are angular. (Did not come from fare)
  - Looks like a greywacke with small pebbles
- Pictures 1076 Conglomerate

17 T 0495437                      Elevation = 389m  
5198511

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite, 9a Undifferentiated
  - I see a greywacke
- Pictures 1077 Greywacke

17 T 0497117                      Elevation = 435m  
5200196

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite, 9a Undifferentiated
  - I see a sill is pink/orange
  - I see some greywacke
  - I see some rust
  - Lots of bacterial growth
  - Needs further exploration
- Pictures 1078 Sill & Greywacke

17 T 0497252                      Elevation = 420m  
5200421

- Map 2212 indicates 9d Massive feldspathic greywacke in the area
  - I see a large quartz vein in greywacke
  - I see a contact zone between a white and green bedrock
  - The dark green bedrock looks like greywacke
  - The lighter colored bedrock looks like a conglomerate
  - Nearby I see a large white quartz vein
- Pictures 1079 Greywacke & conglomerate contact & quartz

17 T 0497390                      Elevation = 425m  
5200604

- Map 2212 indicates 9b Polymictic conglomerate
  - I see weird looking boulders
  - I can see what looks to be mica in the matrix
  - The fragments look like a diorite
  - I see some rust in the diorite like boulder
  - Looks like an intrusive bedrock in nature.
  - The surface of the boulder chips off easy. (Sheet like)
  - The inside is a dark brown color (More like a gabbro)
- Pictures 1080 Brown Gabbro boulders

17 T 0499509                      Elevation = 443m  
5197514

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite, 9a Undifferentiated in the area
  - I see Undifferentiated bedrock
  - The bedrock is magnetic
- Pictures 1081 Undifferentiated

17 T 0499550                      Elevation = 457m  
5197312

- Map 2212 indicates 9d Massive feldspathic greywacke, 9a Undifferentiated in the area
  - I see a conglomerate with only a few fragments visible
  - Most fragments are rounded and white
  - One fragment is dark and full of stingers
  - I see a few white quartz stringers
  - I see some rusted stringers
  - I see a pink granite like dike
- Pictures 1082 Conglomerate & rust

17 T 0499626                      Elevation = 459m  
5197310

- Map 2212 indicates 9d Massive feldspathic greywacke, 9a Undifferentiated in the area
  - I see a conglomerate
  - Most fragments are rounded and white or diorite like
  - I see lots of fracturing
- Pictures 1083 Conglomerate

17 T 0499533                      Elevation = 453m  
5197376

- Map 2212 indicates 9d Massive feldspathic greywacke, 9a Undifferentiated in the area
  - I see a small boulder full of mica
  - Could not find any similar bedrock in area
- Pictures 1084 Mica boulder

17 T 0499467                      Elevation = 435m  
5197561

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite, 9a Undifferentiated in the area
  - I see undifferentiated bedrock
- Pictures 1085 Undifferentiated

17 T 0499471                      Elevation = 435m  
5197512

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite, 9a Undifferentiated in the area
  - I see a greywacke contacting undifferentiated
  - I see what looks like a pink intrusion and stringers
- Pictures 1086 Greywacke & Undifferentiated

17 T 0499356                      Elevation = 432m

5197349

- Map 2212 indicates 9d Massive feldspathic greywacke, 9a Undifferentiated in the area
  - I see a conglomerate with small rounded and angular fragments
  - The fragments are white or diorite like
  - The matrix is grey and fine grain
  - Nearby is some more of that pink bedrock. The inside is dark fine grain, like a greywacke
- Pictures 1087 Conglomerate & greywacke

17 T 0499325                      Elevation = 428m

5197317

- Map 2212 indicates 9d Massive feldspathic greywacke, 9a Undifferentiated in the area
  - I see brown rusted boulders
  - There is also some shiny purple mineral in the rust
- Pictures 1088 brown rusted boulders

17 T 0499166                      Elevation = 434m

5197295

- Map 2212 indicates 9d Massive feldspathic greywacke, 9a Undifferentiated in the area
  - I see a bedrock with lots of vertical fractures
  - I see some white quartz veins
  - Looks like greywacke intruded by pink (Feldspar)
  - The greywacke is fine grain and rusts to a brown color
- Pictures 1089 Greywacke & feldspar intrusion

17 T 0498919                      Elevation = 420m

5197300

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite, 9a Undifferentiated bedrock in area
  - I see a heavily fractured undifferentiated bedrock
  - The white and grey layers are not straight and uniformed like the other undifferentiated (schist)
  - I see a few pinkish stringers
  - Nearby I see a volcanic breccia.
  - The lava is smooth and light color on the surface. Inside is blue/grey.
  - The fragments look like they are breaking apart in the lava.
  - The fragments forms line as it was displaced.
  - There are small and medium size fragments.
  - They are odd shaped. (Breaking up) Slightly rounded edges
  - Nearby I see some undifferentiated bedrock with uniformed layers
- Pictures 1090 Breccia & lave & undifferentiated

17 T 0498628                      Elevation = 424m

5196701

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite, 9b Polymictic conglomerates
- I see a purple substance in the water. Looks like pollution by is probably from eroding sulfides
- There is a rusted path down the hill beside the road
- Some areas are more rusted then others
- The bedrock next to the rust is light in color on surface. Looks like Argillite.

Pictures 1091 Argillite & rust

17 T 0498666                      Elevation = 420m  
5196662

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see layered greywacke
  - In a fire pit we found samples that had minerals. Looked like mineralized stringers.
  - We took several grab samples for examination. Sample R 70 was from here.
  - We also found a quartz pebble conglomerate in a quartz monzonite boulder
  - A few other pebbles of different color were also in the boulder, but 95% were white quartz.
  - No visible outcrop could be found that would match the boulder
- Pictures 1092 Greywacke & mineralized stringers & Sample R 70

17 T 0498650                      Elevation = 415m  
5196636

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see pinkish Argillite with rusted fractures
  - The rust seems to be exiting the fractures
- Pictures 1093 Argillite with rusted fractures

17 T 0498784                      Elevation = 413m  
5196514

- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Polymictic conglomerates
  - I see a conglomerate with only a few fragments
  - The outer layer is oxidized white. Inside is dark grey.
  - Nearby I see lots of pink stringers
- Pictures 1094 Conglomerate

17 T 0498942                      Elevation = 432m  
5196303

- Map 2212 indicates 9d Massive feldspathic greywacke in the area
  - I see a conglomerate with small, medium and large fragments
  - The fragments are granite or diorite in nature
  - I see some pink stringers
  - The surface is pail white and inside is dark grey.
  - The matrix is fine grain and massive
- Pictures 1095 Conglomerate

17 T 0498965                      Elevation = 434m  
5196297

- Map 2212 indicates 9d Massive feldspathic greywacke in the area
  - I see a conglomerate
  - The fragments are white
  - The matrix here is not massive fine grain greywacke, it has some large grain white crystals, similar to an intrusive gabbro
- Pictures 1096 Conglomerate & Gabbro

17 T 0499009                      Elevation = 429m

5196233

- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Polymictic conglomerates in area
  - I see a greywacke with a pink feldspar upper layer
  - The greywacke is fine grain and massive
- Pictures 1097 Massive feldspathic greywacke

17 T 0499006                      Elevation = 421m

5196092

- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Polymictic conglomerates in area
  - I see a large mountain of massive feldspathic greywacke
- Pictures 1098 Massive feldspathic greywacke

17 T 0499042                      Elevation = 421m

5195894

- Map 2212 indicates 9d Massive feldspathic greywacke, 9a Undifferentiated bedrock in area
  - I see a greywacke with dark (Black) very fine grains and some disseminated white crystals.
  - There was some visible minerals. Chalcopyrite and pyrite
- Pictures 1099 Greywacke & minerals

17 T 0499468                      Elevation = 438m

5195586

- Map 2212 indicates 9c Finely bedded Argillite here
  - I see Argillite with lots of fractures
- Pictures 1100 Argillite

17 T 0499639                      Elevation = 432m

5195474

- Map 2212 indicates 10 Quartzite, argillite and conglomerate
  - I see a layered sedimentary bedrock
  - Looks like Argillite
- Pictures 1101 Argillite

17 T 0498722                      Elevation = 420m

5196416

- Map 2212 indicates 9c Finely bedded Argillite in the area
  - I see Sudbury Breccia Pseudotachilite
  - The small and medium fragments are white and some are angular or elongated
  - There is also some medium and large fragments that are from the host bedrock.
  - The host bedrock was sedimentary in nature.
  - The pseudotachylite matrix is fine grain and dark in color
- Pictures 1102 Pseudotachylite

17 T 0498705                      Elevation = 422m

5196412

- Map 2212 indicates 9c Finely bedded Argillite in the area
  - I see what looks like Argillite
- Pictures 1103 Argillite

- 17 T 0498656                      Elevation = 422m  
5196341
- Map 2212 indicates 9c Finely bedded Argillite in the area
  - I see a layered sedimentary schist
  - I think it's argillite
  - I also see what looks like feldspathic greywacke
- Pictures 1104 Argillite & greywacke
- 17 T 0498634                      Elevation = 418m  
5196326
- Map 2212 indicates 9c Finely bedded Argillite in the area
  - I see argillite being intruded by pseudotachylite
  - The pseudotachylite matrix is fine grain and dark in color
  - The fragments are small and white.
- Pictures 1105 Pseudotachylite
- 17 T 0498598                      Elevation = 413m  
5196329
- Map 2212 indicates 9c Finely bedded Argillite in the area
  - I see an intrusive dark green gabbro with a few large white quartz vein (14 cm wide)
  - Beside the quartz is a second event that produced a rusty gabbro like vein
- Pictures 1106 Gabbro & quartz
- 17 T 0498519                      Elevation = 418m  
5196355
- Map 2212 indicates 9 Undifferentiated here
  - I see a large quartz or calcite outcrop. (Did not do acid test yet)
  - The camera case is about 11cm x 7cm
  - I see what looks like visible gold?
  - The host bedrock looks like a greywacke
- Pictures 1107 Quartz & Gold & greywacke
- 17 T 0498507                      Elevation = 418m  
5196352
- Map 2212 indicates 9 Undifferentiated here
  - I see a large quartz or calcite outcrop with green chlorite and visible chlorite in it
  - I see some rust or red colors in the quartz or calcite outcrop. (Did not do acid test yet)
  - The host bedrock is a feldspathic greywacke
  - I see Sudbury breccia, pseudotachylite
- Pictures 1108 Pseudotachylite & quartz & green chlorite
- 17 T 0498488                      Elevation = 420m  
5196358
- Map 2212 indicates 9 Undifferentiated and breccia here
  - I see a greywacke and a feldspathic intrusion
  - I see some breccia
  - I see a large fragment indicating close to source

- Lots of small and medium white fragments  
Pictures 1109 Breccia

17 T 0498469                      Elevation = 419m  
5196351

- Map 2212 indicates 9 Undifferentiated and breccia here
- I see a breccia with rounded and angular fragments
- Most of the fragments are the same color and composition as the host bedrock.
- Some of the fragments are dark grey and rounded or elongated
- I can see the contact between the host bedrock (Feldspathic greywacke I think) and the breccia.  
Pictures 1110 Breccia & contact

17 T 0498464                      Elevation = 416m  
5196346

- Map 2212 indicates 9 Undifferentiated and breccia here
- I see a large piece of quartz beside a green chlorite vein
- The green chlorite vein is vertical on the face of an outcrop. (8cm to 10cm)
- The green chlorite has small square crystals like a porphyry
- I see some minerals & rust in the green chlorite
- Nearby I see a large quartz vein and some breccia  
Pictures 1111 Green chlorite & breccia & quartz

17 T 0498460                      Elevation = 416m  
5196346

- Map 2212 indicates 9 Undifferentiated and breccia here
- I see pseudotachylite. (Sudbury Breccia)
- The host bedrock is feldspathic greywacke I think
- I see a piece of dark greenish sedimentary bedrock
- I see some rusted green chlorite  
Pictures 1112 Pseudotachylite & green chlorite & greywacke

17 T 0498474                      Elevation = 418m  
5196329

- Map 2212 indicates 9 Undifferentiated and breccia here
- I see pseudotachylite. (Sudbury Breccia)
- Most of the fragments are from the host bedrock but there are small and medium white fragments of different origine
- Some of the fragments are quite large indicating close to source  
Pictures 1113 Pseudotachylite

17 T 0498428                      Elevation = 417m  
5196291

- Map 2212 indicates 9 Undifferentiated and breccia here
- I see a quartz vein
- I see some breccia
- I see some sedimentary feldspathic greywacke  
Pictures 1114 breccia & quartz

- 17 T 0498408                      Elevation = 415m  
5196294
- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Polymictic conglomerates in area
  - I see a porphyry
  - The porphyry has small white orthoclase feldspar fragments (up to 2cm)
  - The matrix is a diorite
  - The outcrop is just beside the road and near some pseudotachylite
- Pictures 1115 Porphyry

- 17 T 0498409                      Elevation = 414m  
5196259
- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Polymictic conglomerates in area
  - I see pseudotachylite
  - I see some small medium and large fragments
  - Most fragments are the same as the host bedrock others are white
  - I see some green chlorite
  - The host bedrock is feldspathic greywacke
- Pictures 1116 Pseudotachylite & green chlorite & greywacke

- 17 T 0498345                      Elevation = 406m  
5196132
- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Polymictic conglomerates in area
  - I see a conglomerate
  - I see some white and red quartz with some green chlorite
  - I see some minerals in the green chlorite
  - I see some feldspathic greywacke
- Pictures 1117 Green chlorite & conglomerate & greywacke

- 17 T 0498225                      Elevation = 398m  
5195622
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see a feldspathic greywacke
  - I see a some rust (Just surface I think)
  - Nearby looks like a small intrusion of pseudotachylite
- Pictures 1118 Greywacke & maybe pseudotachylite

- 17 T 0497948                      Elevation = 400m  
5195470
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see a conglomerate (feldspathic greywacke)
  - The matrix is dark blue and fine grain
  - Some of the greywacke has a thin layer of pink quartz
- Pictures 1119 Conglomerate

- 17 T 0497819                      Elevation = 388m  
5195283
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see a very rusty, white bedrock (Feldspathic greywacke)



- I see lots of small, white crystals in the matrix
  - I see lots of rust
  - I see some minerals eroding
  - The bedrock oxidized to a brown color
- Pictures 1120 Greywacke & lots of rust

17 T 0498569                      Elevation = 419m  
5196984

- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Polymictic conglomerates, 9c Finely bedded Argillite in area
  - I see a porphyry with small, orthoclase feldspar fragments
  - The porphyry matrix is dark green
  - I see breccia
  - The fragments are elongated
- Pictures 1121 Porphyry & breccia

Pictures 1122 is of samples taken to camp for observation

- One sample was from the bottom of the hill area
- This boulder has lots of visible sulfides

Pictures 1123 is of samples taken to camp for observation

- One sample was from the Bessie Lake area
- These samples were very mineralized

17 T 0502055                      Elevation = 419m  
5198822

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see a porphyry
  - The porphyry is white with black cubes and blebs
  - I see some rust
  - I see orange stringers and some sulfides
- Pictures 1124 Porphyry

17 T 0502036                      Elevation = 418m  
5198806

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see a porphyry
  - The porphyry is white with black cubes and blebs
  - I see some rust
  - I see some epidote
- Pictures 1125 Porphyry & epidote

17 T 0502065                      Elevation = 417m  
5198779

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)

- I see a porphyry
  - The porphyry is white with black cubes and blebs
  - I see some rusted sulfides
  - I see a few feldspar/quartz stringers
- Pictures 1126 Porphyry

17 T 0502100                      Elevation = 416m  
5198755

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see a porphyry
  - The porphyry is white with black cubes and blebs
  - I see a rusted area beside the stringer
  - I see a quartz/feldspar dike. It appear that more then one event occurred to form dike. (2 structures)
  - It's the stringers that are rusted not the porphyry
  - We took a sample. Looked like a gabbro
- Pictures 1127 Gabbro Porphyry & rust & sample

17 T 0502119                      Elevation = 415m  
5198767

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see a porphyry
  - The porphyry is white with black blebs (Diorite like)
- Pictures 1128 Porphyry

17 T 0502142                      Elevation = 415m  
5198763

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see a porphyry
  - The porphyry is white with black blebs (Diorite like)
  - I see rust in the stringers and in the porphyry
- Pictures 1129 Porphyry & rust

17 T 0499575                      Elevation = 431m  
5198116

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, 3b Porphyritic quartz monzonite
  - I see a diorite intruding a feldspathic greywacke
  - I see a small quartz and a feldspar dike
  - I see a large quartz outcrop (Like a sill, just surface)
  - I see some granodiorite
  - I see the contact between the diorite intrusive and the feldspathic greywacke/Unifferentiated
- Pictures 1130 Granodiorite & Dikes & greywacke

17 T 0499155                      Elevation = 425m  
5197299

- Map 2212 indicates 9d Massive feldspathic greywacke, 9a Undifferentiated in the area
  - I see a feldspathic greywacke
- Pictures 1131 feldspathic greywacke

17 T 0499165                      Elevation = 426m  
5197302

- Map 2212 indicates 9d Massive feldspathic greywacke, 9a Undifferentiated in the area
  - I see a feldspathic greywacke
- Pictures 1132 feldspathic greywacke

17 T 0498936                      Elevation = 413m  
5197349

- Map 2212 indicates 9d Massive feldspathic greywacke, 9a Undifferentiated in the area
  - I see a feldspathic greywacke
- Pictures 1133 feldspathic greywacke

17 T 0498753                      Elevation = 413m  
5197364

- Map 2212 indicates 9d Massive feldspathic greywacke, 9a Undifferentiated in the area
  - I see a feldspathic greywacke
  - I see an undifferentiated bedrock
- Pictures 1134 Undifferentiated & feldspathic greywacke

17 T 0498575                      Elevation = 417m  
5197262

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite in area
  - I see a feldspathic greywacke
  - I see an undifferentiated bedrock
- Pictures 1135 Undifferentiated & feldspathic greywacke

17 T 0498534                      Elevation = 419m  
5197269

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite in area
  - I see Undifferentiated bedrock
- Pictures 1136 Undifferentiated

17 T 0498510                      Elevation = 420m  
5197289

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite in area
  - I see Undifferentiated bedrock
- Pictures 1137 Undifferentiated

17 T 0498468                      Elevation = 421m  
5197306

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite in area
  - I see Undifferentiated bedrock and rust
- Pictures 1138 Undifferentiated

17 T 0498443                      Elevation = 421m  
5197283  
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite in area  
- I see Undifferentiated  
- I see some feldspathic greywacke with an area of rust on it  
Pictures 1139 Undifferentiated & feldspathic greywacke

17 T 0498487                      Elevation = 421m  
5197323  
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite in area  
- I see Undifferentiated  
Pictures 1140 Undifferentiated

17 T 0498527                      Elevation = 420m  
5197114  
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite in area  
- I see feldspathic greywacke  
- I see a conglomerate  
- The fragments are diorite  
Pictures 1141 Greywacke & conglomerate

17 T 0498490                      Elevation = 423m  
5197006  
- Map 2212 indicates 9d Massive feldspathic greywacke in the area  
- I see a conglomerate  
- I see greywacke  
Pictures 1142 Greywacke & conglomerate

17 T 0498430                      Elevation = 426m  
5196868  
- Map 2212 indicates 9d Massive feldspathic greywacke in the area  
- I see a porphyry contacting a feldspathic greywacke  
- The porphyry has what looks like small orthoclase feldspar fragments  
Pictures 1143 Porphyry & greywacke

17 T 0498426                      Elevation = 427m  
5196856  
- Map 2212 indicates 9d Massive feldspathic greywacke in the area  
- I see a conglomerate with small, medium and large fragments  
- The fragments are polymictic  
- I see a quartz dike with white, red and black colors cutting the greywacke  
- I see a bit of green chlorite  
- I see some rusty and minerals in some quartz  
- I see what might be some pseudotachylite  
Pictures 1144 Pseudotachylite & Chlorite & Quartz & greywacke

17 T 0498415                      Elevation = 426m  
5196840

- Map 2212 indicates 9d Massive feldspathic greywacke in the area
  - I see quartz with green chlorite and rust
  - I see a feldspathic greywacke
- Pictures 1145 Green chlorite & quartz & greywacke

17 T 0498431                      Elevation = 426m  
5196835

- Map 2212 indicates 9d Massive feldspathic greywacke in the area
  - I see a conglomerate with elongated shapes
  - I see a greywacke
- Pictures 1146 conglomerates & greywacke

17 T 0498400                      Elevation = 426m  
5196825

- Map 2212 indicates 9d Massive feldspathic greywacke in the area
  - I see a feldspathic greywacke
- Pictures 1147 Greywacke

17 T 0498387                      Elevation = 422m  
5196816

- Map 2212 indicates 9d Massive feldspathic greywacke in the area
  - I see a greywacke with a thin pink layer of quartz
- Pictures 1148 Greywacke with layer of quartz

17 T 0498382                      Elevation = 420m  
5196786

- Map 2212 indicates 9d Massive feldspathic greywacke in the area
  - I see a polymictic conglomerate and a conglomerate
  - The polymictic conglomerate has lots of small and medium fragments
  - The matrix of the other conglomerate is a greywacke
  - I see what appears to be breccia
- Pictures 1149 Breccia & conglomerate & feldspathic greywacke

17 T 0498316                      Elevation = 422m  
5196813

- Map 2212 indicates 9d Massive feldspathic greywacke in the area
  - I see a breccia with small, medium and large fragments.
  - Some fragments are elongated.
  - The large fragments are rounded
  - The breccia contacts a feldspathic greywacke
  - I see a rusted fragment in the greywacke
- Pictures 1150 Breccia & greywacke

17 T 0498322                      Elevation = 421m  
5196794

- Map 2212 indicates 9d Massive feldspathic greywacke in the area
- I see a black and white quartz vein in greywacke
- I see Breccia

Pictures 1151 Breccia & greywacke

17 T 0498188                      Elevation = 419m  
5196880

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite and a fault line in the area
  - I see a feldspathic greywacke
  - I see a thin layer of pink quartz in some places
  - Nearby I see a breccia
- Pictures 1152 Breccia & greywacke

17 T 0498114                      Elevation = 419m  
5196973

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite and a fault line in the area
  - I see a feldspathic greywacke
  - There are funny shapes in the mountain's face
- Pictures 1153 Greywacke

17 T 0498122                      Elevation = 418m  
5196975

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite and a fault line in the area
  - I see a breccia with really large fragments
  - I see greywacke
- Pictures 1154 Breccia & greywacke

17 T 0498121                      Elevation = 423m  
5196999

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite and a fault line in the area
  - I see Undifferentiated bedrock
  - I see a few quartz veins
- Pictures 1155 Undifferentiated & quartz

17 T 0498099                      Elevation = 424m  
5197063

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite and a fault line in the area
  - I see an undifferentiated and a quartz vein
- Pictures 1156 Undifferentiated & quartz

17 T 0499250                      Elevation = 409m  
5195731

- Map 2212 indicates 9d Massive feldspathic greywacke
  - I see feldspathic greywacke with some quartz
- Pictures 1157 greywacke & quartz

- 17 T 0499260                      Elevation = 414m  
5195712
- Map 2212 indicates 9d Massive feldspathic greywacke
  - I see a smooth surface feldspathic greywacke
- Pictures 1158 Greywacke
- 
- 17 T 0498495                      Elevation = 414m  
5196348
- Map 2212 indicates 9 Undifferentiated and breccia here
  - I see a porphyry
  - The matrix is a diorite
  - The fragments are small and white orthoclase feldspar
  - I see small cubes of pyrite
  - Nearby I see some green chlorite and quartz
- Pictures 1159 Porphyry and green chlorite & quartz
- 
- 17 T 0498495                      Elevation = 411m  
5196328
- Map 2212 indicates 9 Undifferentiated and breccia here
  - I see pseudotachylite cutting feldspathic greywacke
- Pictures 1160 Pseudotachylite & greywacke
- 
- 17 T 0498216                      Elevation = 396m  
5195614
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see a large intrusion in feldspathic greywacke
  - I see what looks like breccia
- Pictures 1161 Breccia & greywacke
- 
- 17 T 0498202                      Elevation = 398m  
5195600
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see greywacke
  - I also a small possible fracture with pseudotachylite
  - I see the small white fragments in the intrusion
- Pictures 1162 Greywacke & pseudotachylite
- 
- 17 T 0498103                      Elevation = 402m  
5195613
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see a mega conglomerate
  - I see a greywacke
  - There are small, medium and large fragments
- Pictures 1163 Conglomerate & greywacke
- 
- 17 T 0497787                      Elevation = 401m  
5195034
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here

- I see Undifferentiated & greywacke
  - Nearby I see a small outcrop of porphyry
- Pictures 1164 Porphyry & Undifferentiated & greywacke

17 T 0497513                      Elevation = 411m  
5195184

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see feldspathic greywacke with weird shapes in it
- Pictures 1165 Greywacke and weird shapes

17 T 0497499                      Elevation = 414m  
5195219

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see a undifferentiated feldspathic greywacke
  - The layers are thicker the normal undifferentiated
- Pictures 1166 Undifferentiated & greywacke

17 T 0497494                      Elevation = 417m  
5195242

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see a conglomerate
  - I see small, medium and large fragments
  - Most fragments are angular
  - I see feldspathic greywacke
- Pictures 1167 Conglomerate & Greywacke

17 T 0497392                      Elevation = 420m  
5195259

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see a conglomerate
  - I see small, medium and large fragments
  - Most fragments are angular
  - I see feldspathic greywacke
  - I see a porphyry boulder (With orthoclase feldspar fragments)
- Pictures 1168 Conglomerate & Greywacke

17 T 0497717                      Elevation = 392m  
5194914

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see a feldspathic greywacke
  - I see some pink/rust staining on the graywacke
  - I see some pink quartz
  - I see some finely bedded argillite
  - I see a few flow patters
  - I see lots of quartz veins
- Pictures 1169 Quartz & Argillite & greywacke

17 T 0497743                      Elevation = 399m



5194920

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see a feldspathic greywacke
- Pictures 1170 Greywacke

17 T 0497850                      Elevation = 402m

5194693

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see a feldspathic greywacke
  - I see lots of pink stringers
- Pictures 1171 Greywacke

17 T 0497852                      Elevation = 385m

5195018

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see a massive feldspathic greywacke
- Pictures 1172 Greywacke

17 T 0501717                      Elevation = 431m

5198532

- Map 2212 indicates 9d Massive feldspathic greywacke here
  - I see feldspathic greywacke and a conglomerate
- Pictures 1173 Greywacke & conglomerate

Pictures 1174 are pictures of some of the grab samples taken for examination

17 T 0498180                      Elevation = 452m

5203034

- Map 2261 indicates 8a quartz gabbro (Hornblende only)
  - I see greywacke
  - We cut a sample to find a greywacke
  - The sample was not analysed
- Pictures 1175 Greywacke

17 T 0498147                      Elevation = 452m

5203035

- Map 2261 indicates 8a quartz gabbro (Hornblende only) here and 6a Argillite and siltstone 6b pebbly mudstone and 6c sandstone (greywacke and arkoses) in area
  - I see a large quartz outcrop with visible rust and minerals
  - Took sample R 58 here
- Pictures 1176 Quartz & feldspathic greywacke Sample R 58

17 T 0498147                      Elevation = 452m

5203035

- Map 2261 indicates 8a quartz gabbro (Hornblende only) here and 6a Argillite and siltstone 6b pebbly mudstone and 6c sandstone (greywacke and arkoses) in area
- I see a large quartz outcrop with visible rust and minerals
- Took sample R 59 here

Pictures 1177 Quartz & feldspathic greywacke Sample R 59

17 T 0498358                      Elevation = 452m  
5203810

- Map 2261 indicates 2a Pink and grey albite quartz monzonite, albite syenodiorite, quartz diorite, albite granodiorite, albite trondhjemite, and granite with pegmatites
  - I see a porphyry with small white orthoclase feldspar fragments
  - The intrusive porphyry is really dark compared to the host bedrock
  - The host bedrock looked like a granite
  - We took sample R 60 from here
- Pictures 1178 Porphyry & granite & Sample R 60

17 T 0498358                      Elevation = 467m  
5204128

- Map 2261 indicates 2a Pink and grey albite quartz monzonite, albite syenodiorite, quartz diorite, albite granodiorite, albite trondhjemite, and granite with pegmatites
  - I see a beautiful pegmatite
  - A feldspar – quartz intruded greywacke
  - Took sample R 61 from this area
- Pictures 1179 Pegmatites & sample R 61

17 T 0498185                      Elevation = 446m  
5203076

- Map 2261 indicates 2a Pink and grey albite quartz monzonite, albite syenodiorite, quartz diorite, albite granodiorite, albite trondhjemite, and granite with pegmatites
  - I see an intrusion into the greywacke
  - The intrusion maybe pseudotachylite
  - We took a sample R 62 from this location
- Pictures 1180 Pseudotachylite & greywacke & sample R 62

17 T 0498188                      Elevation = 446m  
5203079

- Map 2261 indicates 2a Pink and grey albite quartz monzonite, albite syenodiorite, quartz diorite, albite granodiorite, albite trondhjemite, and granite with pegmatites
  - I see a feldspathic greywacke
  - The sample contained a lot of pink feldspar
  - We took sample R 63
- Pictures 1181 Feldspathic greywacke & sample R 63

17 T 0501947                      Elevation = 419m  
5198866

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see a Quartz – feldspar (Hornblende) – Biotite schist
  - We took sample R 64 from here
- Pictures 1182 Quartz – feldspar (Hornblende) – Biotite schist & sample R 64

17 T 0501961                      Elevation = 420m

5198885

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see a porphyry
  - The feldspar stringer is mineralized
  - We took sample R 65 from here
- Pictures 1183 Porphyry & sample R 65

17 T 0502039                      Elevation = 425m

5198805

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see a porphyry
  - I see some epidote
  - We took sample R 66 from here
- Pictures 1184 Porphyry & Epidote & sample R 66

17 T 0498920                      Elevation = 419m

5197295

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite and 9a Polymictic conglomerates in the area
  - I see volcanic breccia
  - The feldspathic greywacke fragments are coming apart in the matrix
  - The intrusion is in a feldspathic greywacke bedrock
  - We took sample R 78 from here
- Pictures 1185 Volcanic Breccia & sample R 78

17 T 0498919                      Elevation = 416m

5197300

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite and 9a Polymictic conglomerates in the area
  - I see an undifferentiated bedrock
  - We took sample R 79 from here
- Pictures 1186 Undifferentiated & sample R 79

17 T 0498918                      Elevation = 417m

5197316

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite and 9a Polymictic conglomerates in the area
  - I see an undifferentiated bedrock
- Pictures 1187 Undifferentiated

17 T 0498587                      Elevation = 423m

5196968

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite, 9b bedded arkose, feldspathic greywacke in the area
- I see pseudotachylite
- I see several quartz veins with visible minerals and rust

- I see some green chlorite
- We took sample R 80 from here  
Pictures 1188 Pseudotachylite & green chlorite & quartz & sample R 80

17 T 0498660                      Elevation = 419m  
5196657

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
- I see a large quartz outcrop with some green chlorite in it
- We took sample R 81 from here  
Pictures 1189 Green chlorite & sample R 81

17 T 0498723                      Elevation = 421m  
5196417

- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Polymictic conglomerates in the area
- I see pseudotachylite
- There is small medium and large fragments
- There are some elongated shaped fragments  
Pictures 1190 Pseudotachylite

17 T 0498719                      Elevation = 420m  
5196399

- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Polymictic conglomerates in the area
- I see pseudotachylite
- There is small medium and large fragments
- There are some elongated shaped fragments
- I see a greywacke  
Pictures 1191 Pseudotachylite

17 T 0498723                      Elevation = 423m  
5196390

- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Polymictic conglomerates in the area
- I see a feldspathic greywacke  
Pictures 1192 Greywacke

17 T 0498728                      Elevation = 425m  
5196348

- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Polymictic conglomerates in the area
- I see a feldspathic greywacke  
Pictures 1193 Greywacke

17 T 0498723                      Elevation = 419m  
5196421

- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Polymictic conglomerates in the area
- I see pseudotachylite
- There is small medium fragments
- There are some elongated shaped fragments
- We took sample R 82  
Pictures 1194 Pseudotachylite & sample R 82

- 17 T 0498612                      Elevation = 410m  
5196314
- Map 2212 indicates 9 Undifferentiated, 9c Finely bedded Argillite in the area
  - I see feldspathic greywacke with chunks of pyrite
  - We took sample R 83 here
- Pictures 1195 Mineralized greywacke & sample R 83
- 17 T 0498595                      Elevation = 411m  
5196328
- Map 2212 indicates 9 Undifferentiated, 9c Finely bedded Argillite in the area
  - I see a greenish gabbro beside a large white quartz vein
  - We took a sample of the gabbro
  - The return was orange/brown
  - The sample number was R 84
- Pictures 1196 Gabbro & sample R 84
- 17 T 0498598                      Elevation = 412m  
5196324
- Map 2212 indicates 9 Undifferentiated, 9c Finely bedded Argillite in the area
  - I see a greenish gabbro beside a large white quartz vein
  - We took a sample of the quartz, sample R 85
- Pictures 1197 Quartz & sample R 85
- 17 T 0498508                      Elevation = 420m  
5196356
- Map 2212 indicates 9 Undifferentiated & breccia
  - I see some quartz with a bit of green chlorite
  - I see a feldspathic greywacke
  - We took a sample of the quartz, sample R 86
- Pictures 1198 Quartz & green chlorite & greywacke & sample R 86
- 17 T 0498498                      Elevation = 418m  
5196352
- Map 2212 indicates 9 Undifferentiated & breccia
  - I see a mineralized porphyry
  - We took a sample of the quartz, sample R 87
- Pictures 1199 mineralized porphyry & sample R 87
- 17 T 0498501                      Elevation = 418m  
5196365
- Map 2212 indicates 9 Undifferentiated & breccia
  - I see rusted squares in greenish sedimentary bedrock
  - We took sample R 88 and R 89 from here
  - This was next to what looks like pseudotachylite
  - There are elongated fragments
- Pictures 1200 Pseudotachylite & pyrite & samples R 88 R 89

- 17 T 0508598                      Elevation = 376m  
5200144
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite and 1 Undifferentiated mafic to intermediate metavolcanics in the area
  - I see what looks like a porphyry
  - I see some granite
  - I see some pegmatites
- Pictures 1201 Porphyry & Granite & pegmatites

- 17 T 0508594                      Elevation = 376m  
5200144
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite and 1 Undifferentiated mafic to intermediate metavolcanics in the area
  - I see a porphyry with orthoclase feldspar blebs
- Pictures 1202 Porphyry

Pictures 1203 are grab samples not analysed and of the flat

- 17 T 0498655                      Elevation = 415m  
5196687
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see a greywacke
  - I see minerals on the faces of grab samples
  - Sample R 90 was taken here
- Pictures 1204 Greywacke & Minerals & sample R 90

- 17 T 0498459                      Elevation = 409m  
5196344
- Map 2212 indicates 9 Undifferentiated and breccia here
  - I see a green chlorite dike.
  - The dike is on the face and was hard to sample
  - We had to cut across the chlorite dike
- Pictures 1205 Green Chlorite dike & sample R 91

- 17 T 0498451                      Elevation = 409m  
5196341
- Map 2212 indicates 9 Undifferentiated and breccia here
  - I see a green chlorite dike.
  - The dike is on the face and was hard to sample
  - We cut just the chlorite dike, was difficult
- Pictures 1206 Green Chlorite dike & sample R 92

- 17 T 0498425                      Elevation = 415m  
5196267
- Map 2212 indicates 9 Undifferentiated and breccia here
  - I see some pseudotachylite
  - I see lots of rust
  - I see a large white and red quartz with porphyritic green chlorite

- We took sample R 93 from here
- The sample was in the rusted bedrock beside the pseudotachylite  
Pictures 1207 Porphyritic chlorite & Pseudotachylite & quartz & sample R 93

17 T 0498422                      Elevation = 417m  
5196266

- Map 2212 indicates 9 Undifferentiated and breccia here
- I see a quartz dike
- Sample R 94 was a gabbro with sulfide blebs and cubes (Up to 20mm)
- Sample R 95 was also taken here
- We cut across the quartz vein and host bedrock  
Pictures 1208 Quartz & gabbro & sample R 94 R 95

17 T 0498423                      Elevation = 417m  
5196269

- Map 2212 indicates 9 Undifferentiated and breccia here
- I see some rusty red and white quartz
- I see some green chlorite  
Pictures 1209 Green chlorite & quartz

17 T 0498425                      Elevation = 418m  
5196270

- Map 2212 indicates 9 Undifferentiated and breccia here
- I see what looks like a metamorphic bedrock
- Looks like it was feldspathic greywacke
- The samples R 96 R 97 had visible sulfides  
Pictures 1210 Sulfides & samples R 96 R 97

17 T 0497815                      Elevation = 393m  
5195281

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
- I see a feldspathic greywacke that oxidized white and has lots of rust
- We took sample R 98 from here  
Pictures 1211 Rusted greywacke & sample R 98

17 T 0497813                      Elevation = 395m  
5195280

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
- I see a feldspathic greywacke that oxidized white and has lots of rust
- We took sample R 99 from here  
Pictures 1212 Rusted greywacke & sample R 99

17 T 0502144                      Elevation = 421m  
5198761

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
- I see a porphyry in the area
- We took a grab sample from here

Pictures 1213 Porphyry & sample 100

17 T 0502203                      Elevation = 423m  
5198743

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see a white quartz vein with pink in it
  - I see what looks like a gabbro
  - Dark grains in a lighter matrix
  - We took sample R 101 from here
  - There was visible minerals in the sample
- Pictures 1214 Gabbro & sample R 101

Pictures 1215 is of camp 2

17 T 0498649                      Elevation = 423m  
5196731

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see feldspathic greywacke
  - I see some quartz
  - I see some rust
  - I see visible minerals
- Pictures 1216 Greywacke & quartz & minerals

17 T 0498624                      Elevation = 423m  
5196717

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see feldspathic greywacke
  - I see some quartz
  - I see some rust
  - I see visible minerals cubes
  - We took samples R 102 R 103
- Pictures 1217 Greywacke & quartz & samples R 102 R 103

17 T 0498634                      Elevation = 418m  
5196687

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see a feldspathic greywacke
  - I see lots of rust
  - In the rust I see some blue, pink, yellow color that looks like bornite leaching
  - Sample R 104 was taken here
- Pictures 1218 Greywacke & bornite & sample R 104

17 T 0498407                      Elevation = 411m  
5196242

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
- I see a feldspathic greywacke
- I see a large quartz dike



- I see some mineralized quartz with green chlorite
- We took samples R 105 and R 106 here  
Pictures 1219 Greywacke & green chlorite & quartz & samples R 105 R 106

17 T 0498630                      Elevation = 426m  
5196838

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
- I see a diorite boulder that eroded to a dark brown color
- Top layer flakes off
- Took a sample to camp for review  
Pictures 1220 diorite boulder

17 T 0503125                      Elevation = 393m  
5198510

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
- I see a Quartz – feldspar (Hornblende) – Biotite schist with lots of epidote
- I see lots of epidote stringers
- I see a rusted stringer
- We took sample R 107 from here  
Pictures 1221 hornblende & epidote & sample R 107

17 T 0503109                      Elevation = 393m  
5198523

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
- I see a Quartz – feldspar (Hornblende) – Biotite schist
- I see some quartz and epidote  
Pictures 1222 hornblende & epidote & quartz

17 T 0508276                      Elevation = 385m  
5200160

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite and 1 Undifferentiated mafic to intermediate metavolcanics in the area
- I see black crystals that grew in pink granite  
Pictures 1223 crystals in granite

17 T 0508271                      Elevation = 385m  
5200148

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite and 1 Undifferentiated mafic to intermediate metavolcanics in the area
- I see a diorite intruded by a granodiorite
- Nearby I see a few large quartz dikes
- I see some rust
- Nearby I see a granodiorite  
Pictures 1224 Granodiorite & rusted diorite

17 T 0502988                      Elevation = 397m

5198622

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see some rusted sedimentary bedrock
  - I see some small boulders of pyrrhotite
  - We took grab sample R 108 here
- Pictures 1225 Pyrrhotite boulders & sample R 108

17 T 0502988                      Elevation = 397m

5198622

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see some hornblende with red staining
  - We took grab sample R 109 here
- Pictures 1226 Hornblende & sample R 109

17 T 0498366                      Elevation = 445m

5199326

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see a large white quartz dike
  - We took sample R 110 from here
- Pictures 1227 Quartz dike & sample R 110

17 T 0498367                      Elevation = 445m

5199321

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see some feldspathic greywacke
  - I see some quartz
  - I see some epidote
  - We took a sample but did not analyse it
- Pictures 1228 Greywacke & quartz & epidote

17 T 0498366                      Elevation = 448m

5199318

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see some feldspathic greywacke
  - I see some quartz and epidote stringers
  - I see rusted sulfides
  - I see some breccia
  - We took sample R 111
- Pictures 1229 Greywacke & epidote & quartz & sample R 111

17 T 0498361                      Elevation = 448m

5199387

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see a rusted undifferentiated
  - We took sample R 112 from here
- Pictures 1230 Undifferentiated & sample R 112

- 17 T 0498337                      Elevation = 444m  
5199387
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see undifferentiated bedrock
  - I see feldspathic greywacke
- Pictures 1231 Undifferentiated & greywacke
- 17 T 0498232                      Elevation = 445m  
5199464
- Map 2212 indicates 9d Massive feldspathic greywacke
  - I see some rusted feldspathic greywacke
- Pictures 1232 greywacke & rust
- 17 T 0498222                      Elevation = 447m  
5199410
- Map 2212 indicates 9d Massive feldspathic greywacke
  - I see rusted undifferentiated
  - I see some quartz
  - I see some feldspathic greywacke
  - There are lots of visible sulfides and rust
  - Almost looks like pyrrhotite
  - We took sample R 113 here
- Pictures 1233 Rusted undifferentiated & sample R 113
- 17 T 0498094                      Elevation = 443m  
5199400
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see a feldspathic greywacke
- Pictures 1234 Greywacke
- 17 T 0498077                      Elevation = 446m  
5199373
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see a feldspathic greywacke
- Pictures 1235 Greywacke
- 17 T 0498120                      Elevation = 449m  
5199240
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see a feldspathic greywacke
  - I see lots of black stringers
- Pictures 1236 Greywacke & black stringers
- 17 T 0497907                      Elevation = 449m  
5199131
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
  - I see a feldspathic greywacke

- I see rusted pyrite  
Pictures 1237 Greywacke & rusted pyrite

17 T 0497909                      Elevation = 450m  
5199137

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
- I see feldspathic greywacke with quartz and green chlorite
- We took sample R 114 here  
Pictures 1238 Greywacke & green chlorite & sample R 114

17 T 0497907                      Elevation = 451m  
5199131

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
- I see feldspathic greywacke with quartz and green chlorite
- We took sample R 115 here  
Pictures 1239 Greywacke & green chlorite & sample R 115

17 T 0510189                      Elevation = 271m  
5198632

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite and 1 Undifferentiated mafic to intermediate metavolcanics in the area
- It looked like a greywacke full of white bacterial growth
- I do see some white squares that could indicate a porphyry (needs more exploration)  
Pictures 1240 Greywacke

17 T 0509634                      Elevation = 346m  
5199508

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite and 1 Undifferentiated mafic to intermediate metavolcanics in the area
- Looks like granite with metavolcanic sediments  
Pictures 1241 Granite & meta sediments

17 T 0509653                      Elevation = 353m  
5199514

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite and 1 Undifferentiated mafic to intermediate metavolcanics in the area
- I see a greywacke  
Pictures 1242 Greywacke

17 T 0509659                      Elevation = 357m  
5199532

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite and 1 Undifferentiated mafic to intermediate metavolcanics in the area
- I think it's feldspathic greywacke or meta sediments (Hard to tell, lots of bacterial growth)
- I see some granite  
Pictures 1243 Greywacke & granite

17 T 0508338                      Elevation = 378m  
5201001

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite and 1 Undifferentiated mafic to intermediate metavolcanics in the area
- I see a metamorphic or sedimentary that's been turned on it's side
- Could be undifferentiated mafic to intermediate metavolcanics
- There were visible minerals in the outcrop
- I see lots of rust
- The direction of flow or lines is NE – SW
- The return when cutting was dark grey
- We took three samples here, sample R 116 R 117 R 118

Pictures 1244 undifferentiated metavolcanics & samples R 116 to R 118

17 T 0498219                      Elevation = 444m  
5199412

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
- I see a very rusty undifferentiated
- I see a greywacke
- We took samples R 119 to R 124 from here

Pictures 1245 Undifferentiated greywacke & samples R 119 to R 124

17 T 0498277                      Elevation = 445m  
5199341

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
- I see some undifferentiated

Pictures 1246 Undifferentiated

17 T 0498290                      Elevation = 445m  
5199300

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
- I see some undifferentiated

Pictures 1247 Undifferentiated

17 T 0497861                      Elevation = 450m  
5199089

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
- I see weird and elongated shapes
- Looks like pseudotachylite intruding undifferentiated
- We took samples R 125 R 126

Pictures 1248 Pseudotachylite & samples R 125 R 126

17 T 0497854                      Elevation = 449m  
5199102

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
- I see a mineralized greywacke

Pictures 1249 Minerals & greywacke

17 T 0497861                      Elevation = 453m  
5199088

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
- I see mineralized greywacke and pseudotachylite
- We took sample R 127
- The return was dark grey

Pictures 1250 Mineralized pseudotachylite & sample R 127

17 T 0497857                      Elevation = 447m  
5199101

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
- I see a sand covered bedrock.
- The samples have a dark, fine grain matrix with metallic blebs.
- The grains are black and white
- The metallic blebs are one to two mm in size
- We took samples R128, R129 and R130 here

Pictures 1251 Mineralized bedrock near pseudotachylite

17 T 0497846                      Elevation = 439m  
5199166

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
- I see some quartz with green chlorite in it
- The host bedrock look sedimentary in nature. Looks like undifferentiated bedrock.
- The quartz veins cut each other at about an 80 degree angle

Pictures 1252 Green chlorite and quartz

17 T 0497845                      Elevation = 439m  
5199165

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
- I see some quartz with green chlorite in it
- The host bedrock look sedimentary in nature. Looks like undifferentiated bedrock.
- Part of the sample had some pink feldspar and green chlorite
- Some of the sample was dark grey and fine grain

Pictures 1253 Green chlorite and greywacke

17 T 0497853                      Elevation = 442m  
5199160

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite here
- I see what looks like a metamorphic bedrock
- I see what looks like white orthoclase feldspar crystals with some orange staining
- I see what looks like greywacke (Dark grey and fine grain)

Pictures 1254 Greywacke & Metamorphic Sample R132

17 T 0501715                      Elevation = 378m  
5198400

- Map 2212 indicates 9d Massive feldspathic greywacke in the area
- I see some quartz veins with green chlorite

- The host bedrock is a sedimentary undifferentiated bedrock (Beige in colour)
  - There are visible sulfides in the green chlorite (Pyrite & metallic metal)
- Pictures 1255 Mineralized Green chlorite & Quartz Samples R133 to R137

17 T 0501712                      Elevation = 417m  
5198398

- Map 2212 indicates 9d Massive feldspathic greywacke in the area
  - I see some quartz veins (White and dark grey)
  - The host bedrock looks like feldspathic greywacke
- Pictures 1256 Greywacke & quartz

17 T 0501714                      Elevation = 430m  
5198398

- Map 2212 indicates 9d Massive feldspathic greywacke in the area
  - I see what looks like mineralized green chlorite
  - I see some greywacke
  - I see some quartz with rust
  - The metallic blebs are silver in colour
- Pictures 1257 Mineralized green chlorite & greywacke Sample R138

17 T 0501703                      Elevation = 433m  
5198350

- Map 2212 indicates 9d Massive feldspathic greywacke in the area
  - I see mineralized green chlorite
  - The minerals are in cubic form and are large and metallic looking
  - I see some pyrite
  - I see some white quartz
  - I see some pink feldspar
- Pictures 1258 Mineralized green chlorite Sample R139

17 T 0501697                      Elevation = 438m  
5198310  
5198350

- Map 2212 indicates 9d Massive feldspathic greywacke in the area
  - I see mineralized green chlorite
  - I see quartz/green chlorite veins
  - The host bedrock is a greywacke
- Pictures 1259 Mineralized green chlorite Sample R140

17 T 0501724                      Elevation = 423m  
5198069

- Map 2212 indicates 9d Massive feldspathic greywacke in the area
  - I see what looks like Sudbury Breccia
  - I see large egg shaped fragments (Dark grey and fine grain) (100mm x at least 200mm long)
  - There are a few other smaller fragments with elongated tails
- Pictures 1260 Sudbury Breccia

- 17 T 0501710                      Elevation = 420m  
5198084
- Map 2212 indicates 9d Massive feldspathic greywacke in the area
  - I see pseudotachylite with small white fragments
  - I see some fragments with elongated ends
  - I see some feldspathic greywacke
  - We took sample R141-R142 from here
- Pictures 1261 Pseudotachylite & greywacke
- 17 T 0501791                      Elevation = 419m  
5198070
- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke here
  - I see what looks like an undifferentiated bedrock
- Pictures 1262 Undifferentiated
- 17 T 0501805                      Elevation = 418m  
5198086
- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke here
  - I see what looks like an undifferentiated bedrock
  - I see a circular rust spot
- Pictures 1263 Undifferentiated
- 17 T 0501991                      Elevation = 409m  
5198053
- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke here
  - I see undifferentiated bedrock
  - I see what looks like a conglomerate
- Pictures 1264 Conglomerate & greywacke
- 17 T 0502024                      Elevation = 406m  
5198049
- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke here
  - I see what looks like a conglomerate
  - This could be some pseudotachylite, I see some small white fragments
  - The slightly rounded fragments are diorite or granite in nature
  - I see some greywacke
- Pictures 1265 pseudotachylite & greywacke
- 17 T 0502098                      Elevation = 405m  
5198011
- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke here
  - I see a conglomerate with only a few small, white, rounded fragments
  - The bedrock looks to be sedimentary but is so heavily fractured it looks like a breccia



Pictures 1266 Conglomerate & Breccia

17 T 0501375                      Elevation = 405m  
5197891

- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia here
  - I see some feldspathic greywacke
  - I see some quartz
- Pictures 1267 greywacke

**17 T 0501367**                      Elevation = 413m  
**5197887**

- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia here
  - I see some pseudotachylite
  - I see some rusted feldspathic greywacke
  - Look like the host bedrock (greywacke) is fractured
- Pictures 1268 pseudotachylite & greywacke**

17 T 0501374                      Elevation = 409m  
5197920

- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia here
  - I see some pseudotachylite
  - I see the small white fragments
  - There are also large fragments
  - The host bedrock is feldspathic greywacke
- Pictures 1269 **pseudotachylite & greywacke**

17 T 0501394                      Elevation = 409m  
5197918

- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia here
- I see some pseudotachylite
- I see the small white fragments with elongated fragments
- There are also lots of large fragments from the host bedrock
- The host bedrock is feldspathic greywacke
- Pictures 1270 **pseudotachylite & greywacke**

17 T 0501393                      Elevation = 409m  
5197927

- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia here
  - I see some pseudotachylite
  - I see the small white fragments with elongated fragments
  - **I see some rusted quartz**
  - The host bedrock is feldspathic greywacke
- Pictures 1271 **pseudotachylite & greywacke**

- 17 T 0501397**                      Elevation = 410m  
**5197900**
- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia nearby
  - **I see some feldspathic greywacke**
  - **I see a conglomerate with only a few small white rounded fragments**
- Pictures 1272 Greywacke**
- 
- 17 T 0501391**                      Elevation = 411m  
**5197897**
- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia nearby
  - **I see some feldspathic greywacke**
  - **I see what looks like pseudotachylite**
- Pictures 1273 pseudotachylite & greywacke**
- 
- 17 T 0501363**                      Elevation = 405m  
**5197756**
- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia nearby
  - **I see some feldspathic greywacke**
  - **I see a few rust balls and spots**
- Pictures 1274 Greywacke & rust**
- 
- 17 T 0501343**                      Elevation = 404m  
**5197750**
- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia nearby
  - **I see feldspathic greywacke**
  - **I see a bit of rust**
- Pictures 1275 Greywacke**
- 
- 17 T 0504676**                      Elevation = 395m  
**5199169**
- Map 2212 indicates 9 Undifferentiated
  - **I see a feldspathic greywacke**
  - **I see some hematite**
  - **I see lots of white precipitate**
- Pictures 1276 Greywacke & Hematite & precipitate**
- 
- 17 T 0498372**                      Elevation = 404m  
**5196221**
- Map 2212 indicates 9 Undifferentiated, 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia nearby
  - **I see some bedded arkoses**
  - **I see some greywacke**
- Pictures 1277 Arkoses & Greywacke**

- 17 T 0498350**                      Elevation = 408m  
**5196217**
- Map 2212 indicates 9 Undifferentiated, 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia nearby
  - **I see feldspathic greywacke**
- Pictures 1278 Greywacke**
- 
- 17 T 0498329**                      Elevation = 408m  
**5196209**
- Map 2212 indicates 9 Undifferentiated, 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia nearby
  - **I see some feldspathic greywacke**
  - **I see some hematite staining**
- Pictures 1279 Greywacke & Hematite**
- 
- 17 T 0498321**                      Elevation = 409m  
**5196203**
- Map 2212 indicates 9 Undifferentiated, 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia nearby
  - **I see a greywacke**
- Pictures 1280 Greywacke**
- 
- 17 T 0498311**                      Elevation = 410m  
**5196197**
- Map 2212 indicates 9 Undifferentiated, 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia nearby
  - **I see undifferentiated bedrock**
  - **I see some weird shapes in the undifferentiated bedrock**
- Pictures 1281 Undifferentiated**
- 
- 17 T 0498361**                      Elevation = 408m  
**5196204**
- Map 2212 indicates 9 Undifferentiated, 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia nearby
  - **I see some quartz**
  - **I see some pink & rust in the quartz**
  - **I see small hematite crystals (Magnetic)**
  - **I see a bit of green chlorite**
  - **I see some feldspar breccia**
- Pictures 1282 Quartz & Hematite & green chlorite & Breccia**
- 
- 17 T 0498393**                      Elevation = 411m  
**5196202**
- Map 2212 indicates 9 Undifferentiated, 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia nearby
  - **I see a feldspathic greywacke**
- Pictures 1283 Greywacke**

- 17 T 0498363**                      Elevation = 410m  
**5196208**
- Map 2212 indicates 9 Undifferentiated, 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia nearby
  - **I see a greywacke with small rusted veins**
  - **I see some quartz and green chlorite**
- Pictures 1284 Green chlorite & Quartz & Greywacke & Sample R143 R144**

- 17 T 0498362**                      Elevation = 406m  
**5196197**
- Map 2212 indicates 9 Undifferentiated, 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia nearby
  - **I see some dark material with the quartz**
  - **I see a bit of rust**
  - **I see some greywacke**
- Pictures 1285 Quartz & greywacke & sample R145**

- 17 T 0498324**                      Elevation = 401m  
**5196120**
- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia nearby
  - **I see bedded arkoses bedrock**
  - **I see undifferentiated bedrock**
- Pictures 1286 Arkoses & undifferentiated**

- 17 T 0498324**                      Elevation = 401m  
**5196121**
- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia nearby
  - **I see some red rusty quartz**
  - **The host bedrock looks like arkoses**
  - **I see what looks like a small amount of green chlorite in white quartz**
- Pictures 1287 Arkoses & red quartz & green chlorite**

- 17 T 0498341**                      Elevation = 401m  
**5196122**
- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia nearby
  - **I see mineralized green chlorite (Intrusive)**
  - **The mineralization is linear and seems to go upwards like stringers (Pyrite)**
  - **There is some feldspar next to some of the mineralization**
  - **I see some small quartz veins**
  - **I see some rust**
  - **I see what looks like greywacke (Dark grey/blue, fine grain)**
- Pictures 1288 Mineralized green chlorite & quartz & greywacke & sample R146 R147**

- 17 T 0498403**                      Elevation = 409m  
**5196257**
- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia nearby
  - **I see pseudotachylite (Intrusive with small white fragments)**
  - **I see large fragments. Some with elongated shapes**
  - **Most fragments were from the host sedimentary bedrock. (Sediments are older than the event that formed the pseudotachylite)**
  - **I see a large quartz vein**
  - **I see some green chlorite in the quartz**
- Pictures 1289 Pseudotachylite & green chlorite & quartz**

- 17 T 0498410**                      Elevation = 412m  
**5196258**
- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia nearby
  - **We sampled an outcrop of mineralized green chlorite and quartz**
  - **Some of the minerals formed large cubes (Not magnetic)**
  - **Some of the quartz had some pink feldspar in it**
  - **Some of the sample was feldspar**
  - **I see some greywacke**
  - **A few samples had some weird yellow/orange blebs**
- Pictures 1290 Mineralized green chlorite & greywacke & samples R148 to R151**

- 17 T 0498395**                      Elevation = 412m  
**5196264**
- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia nearby
  - **Walter cleared some soil with the excavator**
  - **The outcrop was washed clean to show the pseudotachylite**
- Pictures 1291 Clearing & washing outcrop**

- 17 T 0501844**                      Elevation = 428m  
**5198769**
- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see sulfide outcrop is about 200 mm wide and about 200 mm high
  - The length is unknown because it continues in the outcrop
  - There are small sulfide blebs near the large sulfide outcrop
  - We washed outcrop with pressure washer
- Pictures 1292 High sulfide cleaning**

- 17 T 0498408**                      Elevation = 413m  
**5196298**
- Map 2212 indicates 9d Massive feldspathic greywacke, 9b Bedded arkoses, feldspathic greywacke & Breccia nearby
  - I see a porphyritic outcrop next to a pseudotachylite outcrop
  - I see some green chlorite

- We washed outcrop  
Pictures 1293 Washing pseudotachylite & Porphyry outcrop

17 T 0499876                      Elevation = 426m  
5198384

- Map 2212 indicates 3b Porphyritic quartz monzonite
- I see Porphyritic quartz monzonite
- I see some greywacke  
Pictures 1295 Porphyritic quartz monzonite & Greywacke

17 T 0500015                      Elevation = 423m  
5197872

- Map 2212 indicates 3b Porphyritic quartz monzonite
- Map 2212 indicates 1a quartz monzonite, granite, grano diorite, pegmatite, 3 massive mafic metavolcanics, amphibolites, amphibolitic schist, nearby north of this location.
- I see what looks like epidote in some feldspathic greywacke
- I see some brown staining
- I see what I think is a metamorphic schist  
Pictures 1296 Epidote & greywacke & sample R157

17 T 0500005                      Elevation = 421m  
5197873

- Map 2212 indicates 3b Porphyritic quartz monzonite
- Map 2212 indicates 1a quartz monzonite, granite, grano diorite, pegmatite, 3 massive mafic metavolcanics, amphibolites, amphibolitic schist, nearby north of this location.
- I see some epidote
- I see massive mafic metavolcanics
- We took sample R156 from here  
Pictures 1297 Epidote & metavolcanics & sample R156

17 T 0499927                      Elevation = 429m  
5197846

- Map 2212 indicates 3b Porphyritic quartz monzonite
- Map 2212 indicates 1a quartz monzonite, granite, grano diorite, pegmatite, 3 massive mafic metavolcanics, amphibolites, amphibolitic schist, nearby north of this location.
- I see a yellow/white and dark grey grano diorite (Intrusive)  
Pictures 1298 Grano diorite & samples R154 R155

17 T 0499809                      Elevation = 432m  
5198039

- Map 2212 indicates 3b Porphyritic quartz monzonite here
- Map 2212 indicates 1a quartz monzonite, granite, grano diorite, pegmatite, 3 massive mafic metavolcanics, amphibolites, amphibolitic schist, nearby north of this location.
- I see what looks like the Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments) found nearby
- I see some hematite
- The bedrock has a green colour
- I see some quartz

- The return while cutting was really orange
  - The scratch test was brown
- Pictures 1299 Green metavolcanics & hematite & quartz & samples R152 R153

17 T 0499942                      Elevation = 429m  
5198276

- Map 2212 indicates 3b Porphyritic quartz monzonite here
  - Map 2212 indicates 1a quartz monzonite, granite, grano diorite, pegmatite, 3 massive mafic metavolcanics, amphibolites, amphibolitic schist, nearby north of this location.
  - I see metavolcanics
  - I see grano diorite with a few rusted cubes
  - I see some quartz with rusted fractures
- Pictures 1300 Metavolcanics & Grano diorite & Quartz

17 T 0505222                      Elevation = 402m  
5199332

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite and 1 Undifferentiated mafic to intermediate metavolcanics and to the South is some 4 Diabase, Metadiabase
  - I see white blebs in a dark bedrock (Maybe a breccia)
  - Lots of bacterial growth
  - Could be diabase
- Pictures 1301 Diabase & breccia

17 T 0507845                      Elevation = 400m  
5199710

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite
  - I see a conglomerate
  - I see what looks like feldspathic greywacke
  - I see some quartz
- Pictures 1302 Conglomerate & greywacke & quartz

17 T 0507848                      Elevation = 399m  
5199699

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite
  - I see a pink dike and a few smaller veins
  - I see what looks like metavolcanic
  - I see some pink feldspar
- Pictures 1303 metavolcanic & feldspar & pink dike

17 T 0511105                      Elevation = 285m  
5197275

- Map 2212 indicates unknown bedrock in this area
  - I see beach sand with some some pebbles in it (No visible glacial till)
  - This area is near the Wanapetei river
  - Must of been a calm area where water moved slowly
- Pictures 1304 Beach sand

- 17 T 0501659                      Elevation = 398m  
5198877
- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - This area was clear by excavator prior to washing  
Pictures 1305 Quartz feldspar (Hornblende) Biotite schist & Excavation
- 17 T 0501713                      Elevation = 400m  
5198857
- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - This second area was clear by excavator prior to washing  
Pictures 1306 Quartz feldspar (Hornblende) Biotite schist & Excavation 2
- 17 T 0501729                      Elevation = 401m  
5198880
- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - This third area was clear by excavator prior to washing  
Pictures 1307 Quartz feldspar (Hornblende) Biotite schist & Excavation 3
- 17 T 0501791                      Elevation = 409m  
5198902
- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - This fourth area was clear by excavator prior to washing  
Pictures 1308 Quartz feldspar (Hornblende) Biotite schist & Excavation 4
- 17 T 0501787                      Elevation = 412m  
5198982
- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - This fifth area was clear by excavator prior to washing  
Pictures 1309 Quartz feldspar (Hornblende) Biotite schist & Excavation 5
- 17 T 0501847                      Elevation = 421m  
5198755
- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - This sixth area was clear by excavator prior to washing  
Pictures 1310 Quartz feldspar (Hornblende) Biotite schist & Excavation 6



- 17 T 0501691                      Elevation = 435m  
5198435
- Map 2212 indicates 9d Massive feldspathic greywacke
  - I see what look like a diabase (Would need a cut to see actual bedrock)
  - Could even be a gabbro
  - Looks almost like an intrusive porphyry
  - I see some stringers nearby
- Pictures 1311 Diabase gabbro & porphyry
- 17 T 0501725                      Elevation = 424m  
5198543
- Map 2212 indicates 9d Massive feldspathic greywacke
  - I see what looks like feldspathic greywacke with lots of bacterial growth
- Pictures 1312 greywacke
- 17 T 0501738                      Elevation = 428m  
5198517
- Map 2212 indicates 9d Massive feldspathic greywacke
  - I see a conglomerate
  - The host bedrock is sedimentary
  - I see some pink stringers
- Pictures 1313 Sedimentary conglomerate
- 17 T 0508277                      Elevation = 380m  
5200157
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite
  - I see granite and metavolcanics
  - I see the formation of mineral growth
- Pictures 1314 granite & metavolcanics & mineral growth
- 17 T 0508255                      Elevation = 375m  
5200172
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite
  - I see some metavolcanics
  - I see what could be evidence of porphyry in area
- Pictures 1315 Metavolcanics & potential porphyry
- 17 T 0509305                      Elevation = 379m  
5200277
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite and 1 Undifferentiated mafic to intermediate metavolcanics in the area
  - I see some quartz
  - I see some granite
  - I see some metavolcanics with elongated fragments
- Pictures 1316 Metavolcanics & granite
- 17 T 0509688                      Elevation = 362m  
5199299

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite
  - I see a large quartz dike
  - I see some granite
  - I see some metavolcanics
- Pictures 1317 Metavolcanics & granite & large quartz dike

- 17 T 0509695                      Elevation = 365m  
5199315
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite
  - I see a large quartz dike
  - I see some granite with rust spots
  - I see some metavolcanics
- Pictures 1318 Metavolcanics & granite & large quartz dike

- 17 T 0509711                      Elevation = 361m  
5199263
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite
  - I see a large quartz dike
  - I see some granite
  - I see some metavolcanics with rust and brown staining
- Pictures 1319 Metavolcanics & granite & large quartz dike

- 17 T 0509733                      Elevation = 364m  
5199283
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite
  - I see some dark fragments in granite
  - I see some quartz
  - I see what looks like pegmatites
  - I see some metavolcanics with large fragments of quartz
  - Could be some pseudotachylite
- Pictures 1320 Metavolcanics & granite & pegmatites & quartz & pseudotachylite

- 17 T 0509720                      Elevation = 363m  
5199295
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite
  - I see a large quartz dike (Direction N – S)
  - The surrounding bedrock looks like metavolcanics
- Pictures 1321 Metavolcanics & large dike

- 17 T 0509706                      Elevation = 355m  
5199155
- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite
  - I see what looks like feldspathic greywacke with lots of bacterial growth
  - I see a bit of rust
- Pictures 1322 Greywacke

- 17 T 0498147                      Elevation = 452m  
5203035

- Map 2261 indicates 8a quartz gabbro (Hornblende only)
- I see an outcrop of quartz that looked like it had visible gold and bornite in it
- The quartz outcrop was small and the only visible one  
Pictures 1324 Visible gold & bornite & quartz

17 T 0501795                      Elevation = 381m  
5198900

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
- I see Quartz – feldspar (Hornblende) – Biotite schist
- I see some rust
- I see some epidote
- Ruff textured bedrock  
Pictures 1325 Quartz feldspar (Hornblende) Biotite schist

17 T 0497903                      Elevation = 435m  
5202676

- Map 2261 indicates 8a quartz gabbro (Hornblende only)
- I see feldspathic greywacke
- Nearby I see a boulder of metavolcanics  
Pictures 1326 Greywacke & metavolcanic boulder

17 T 0497885                      Elevation = 447m  
5202686

- Map 2261 indicates 8a quartz gabbro (Hornblende only)
- I see a greywacke and what might be a conglomerate in sub-layer  
Pictures 1327 Greywacke & conglomerate sub-layer

17 T 0497877                      Elevation = 448m  
5202680

- Map 2261 indicates 8a quartz gabbro (Hornblende only)
- I see claim post 1200 m W  
Pictures 1328 Claim post

17 T 0498139                      Elevation = 443m  
5203025

- Map 2261 indicates 8a quartz gabbro (Hornblende only) 2a Pink and grey albite quartz monzonite, albite syenodiorite, quartz diorite, albite granodiorite, albite trondhjemite and granite with pegmatites
- I see a conglomerate
- One diorite fragment has an elongated tail  
Pictures 1329 Conglomerate

17 T 0498145                      Elevation = 444m  
5203034

- Map 2261 indicates 8a quartz gabbro (Hornblende only) 2a Pink and grey albite quartz monzonite, albite syenodiorite, quartz diorite, albite granodiorite, albite trondhjemite and granite with pegmatites

- I see a quartz outcrop with visible minerals and rust
  - I see what looks like chlorite in the quartz
- Pictures 1330 Visible minerals in quartz

17 T 0498149                      Elevation = 443m  
5203007

- Map 2261 indicates 8a quartz gabbro (Hornblende only) 2a Pink and grey albite quartz monzonite, albite syenodiorite, quartz diorite, albite granodiorite, albite trondhjemite and granite with pegmatites
  - I see a conglomerate
  - Most fragments are small, white and rounded
  - One fragment is larger and diorite
- Pictures 1331 Conglomerate

17 T 0498141                      Elevation = 440m  
5202992

- Map 2261 indicates 8a quartz gabbro (Hornblende only) 2a Pink and grey albite quartz monzonite, albite syenodiorite, quartz diorite, albite granodiorite, albite trondhjemite and granite with pegmatites
  - I see a conglomerate
  - Most fragments are small, white and rounded
  - One fragment is larger, rounded and diorite
- Pictures 1332 Conglomerate

17 T 0498319                      Elevation = 452m  
5203624

- Map 2261 indicates 2a Pink and grey albite quartz monzonite, albite syenodiorite, quartz diorite, albite granodiorite, albite trondhjemite and granite with pegmatites
  - I see large boulders that look like they came from nearby
  - I see lots of rust and square hole where sulfides rusted out
  - I see some sulfides
- Pictures 1333 Mineralized boulders

17 T 0498307                      Elevation = 454m  
5203642

- Map 2261 indicates 2a Pink and grey albite quartz monzonite, albite syenodiorite, quartz diorite, albite granodiorite, albite trondhjemite and granite with pegmatites
  - I see some pink granite
  - Nearby I see some rusted metavolcanics (Eroded yellow)
  - Could be a gabbro
- Pictures 1334 Granite & metavolcanic gabbro

17 T 0498296                      Elevation = 460m  
5203467

- Map 2261 indicates 2a Pink and grey albite quartz monzonite, albite syenodiorite, quartz diorite, albite granodiorite, albite trondhjemite and granite with pegmatites
- I see greywacke
- I see a conglomerate

- I see metavolcanics
  - I see some quartz and rust
- Pictures 1335 Greywacke & Conglomerate & metavolcanics

17 T 0498297                      Elevation = 460m  
5203451

- Map 2261 indicates 2a Pink and grey albite quartz monzonite, albite syenodiorite, quartz diorite, albite granodiorite, albite trondhjemite and granite with pegmatites
  - I see a quartzite
  - I see pseudotachylite with elongated white fragments
- Pictures 1336 Pseudotachylite & quartzite

17 T 0501796                      Elevation = 424m  
5198902

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - We took sample R158 R159 here
  - Some visible mineralization in samples
  - Sample was magnetic
- Pictures 1337 Quartz feldspar (Hornblende) Biotite schist & samples R158 R159

17 T 0501792                      Elevation = 424m  
5198900

- I see Quartz – feldspar (Hornblende) – Biotite schist
  - We took sample R160 here
  - Some visible mineralization in samples
- Pictures 1338 Quartz feldspar (Hornblende) Biotite schist & samples R160

17 T 0501795                      Elevation = 424m  
5198902

- I see Quartz – feldspar (Hornblende) – Biotite schist
  - We took sample R161 here
  - No visible mineralization in samples
- Pictures 1339 Quartz feldspar (Hornblende) Biotite schist & samples R161

17 T 0498340                      Elevation = 456m  
5199325

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
  - I see a large quartz dike
  - I see sedimentary bedrock that it cut through (Undifferentiated)
  - I see some hematite staining in the quartz
  - I see what looks like pseudotachylite with elongated shapes
- Pictures 1340 Quartz dike & Undifferentiated & pseudotachylite

17 T 0503359                      Elevation = 355m  
5198480

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite

- I see no outcrops, just lots of gravel  
Picture 1341 Gravel Pit

17 T 0497926                      Elevation = 442m  
5199155

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
- I see some quartz and green chlorite
- I see some feldspathic greywacke  
Pictures 1342 Green chlorite & greywacke & samples R162 to R164

17 T 0497908                      Elevation = 449m  
5199172

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
- I see green chlorite and quartz
- I see breccia
- I see pseudotachylite  
Pictures 1343 Pseudotachylite & green chlorite & quartz

17 T 0497909                      Elevation = 450m  
5199173

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
- I see green chlorite and quartz
- I see greywacke
- The dark magnetite was magnetic
- The green chlorite was not magnetic  
Pictures 1344 Green chlorite & quartz & samples R165 to R167

17 T 0497903                      Elevation = 448m  
5199105

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
- I see green chlorite in some quartz
- The host bedrock is undifferentiated
- I see visible mineralization in the samples
- Below the green chlorite, the bedrock changes colour (Greywacke like)  
Pictures 1345 Green chlorite & quartz & undifferentiated & Samples R168 R169

17 T 0497906                      Elevation = 449m  
5199108

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
- I see green chlorite in some quartz
- The host bedrock is undifferentiated  
Pictures 1346 Green chlorite & quartz & undifferentiated & Samples R170

17 T 0497892                      Elevation = 446m  
5199090

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
- I see green chlorite in some quartz
- The host bedrock is undifferentiated

- I see some red staining in the quartz
- Below the green chlorite, the bedrock changes colour (Greywacke like)  
Pictures 1347 Green chlorite & quartz & undifferentiated & Samples R171

17 T 0497895                      Elevation = 444m  
5199087

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
- I see green chlorite in some quartz
- The host bedrock is undifferentiated
- I see some red staining in the quartz
- I see some visible mineralization
- Below the green chlorite, the bedrock changes colour (Greywacke like)  
Pictures 1348 Green chlorite & quartz & undifferentiated & Samples R172

17 T 0501666                      Elevation = 419m  
5198874

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
- I see Quartz – feldspar (Hornblende) – Biotite schist
- I see small stringers  
Pictures 1349 Quartz feldspar (Hornblende) Biotite schist & sample R173

17 T 0501660                      Elevation = 373m  
5198879

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
- I see Quartz – feldspar (Hornblende) – Biotite schist
- I see a large quartz vein  
Pictures 1350 Quartz feldspar (Hornblende) Biotite schist

17 T 0501657                      Elevation = 415m  
5198879

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
- I see Quartz – feldspar (Hornblende) – Biotite schist
- We sampled the quartz vein and found it was only on surface
- The sample was dark blue with some quartz in it
- Could be a lava flow. We find a lava flow across the road.  
Pictures 1351 Quartz feldspar (Hornblende) Biotite schist & Sample R174

17 T 0501659                      Elevation = 419m  
5198870

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
- I see Quartz – feldspar (Hornblende) – Biotite schist  
Pictures 1352 Quartz feldspar (Hornblende) Biotite schist & Sample R175

- 17 T 0498248                      Elevation = 451m  
5199442
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
  - I see some quartz
  - I see some epidote
  - I see some greywacke
- Pictures 1353 Greywacke & quartz & epidote & sample R176
- 
- 17 T 0497948                      Elevation = 441m  
5199197
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
  - I see green chlorite and quartz intruding greywacke
- Pictures 1354 Green chlorite & quartz & greywacke & sample R177
- 
- 17 T 0497947                      Elevation = 440m  
5199201
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
  - I see green chlorite and quartz
  - I see some feldspathic greywacke
- Pictures 1355 Green chlorite & quartz & greywacke & sample R178 R179
- 
- 17 T 0497950                      Elevation = 442m  
5199200
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
  - I see green chlorite and quartz
  - I see some feldspathic greywacke
- Pictures 1356 Green chlorite & quartz & greywacke & sample R180 R181
- 
- 17 T 0499627                      Elevation = 437m  
5198114
- Map 2212 indicates 3b Porphyritic quartz monzonite
  - I see epidote
  - I see feldspar veins
  - I see a bit of quartz
  - I see a porphyritic quartz monzonite boulder (Crystals up to about 32mm)
- Pictures 1357 Epidote & quartz & Porphyritic quartz monzonite boulder
- 
- 17 T 0499627                      Elevation = 437m  
5198117
- Map 2212 indicates 3b Porphyritic quartz monzonite
  - I see a large quartz dike
  - The sample was white quartz with pink and red in it
- Pictures 1358 Quartz dike
- 
- 17 T 0499626                      Elevation = 435m  
5198118
- Map 2212 indicates 3b Porphyritic quartz monzonite
  - I see some epidote



- I see potassium feldspar  
Pictures 1359 Epidote & potassium feldspar & sample R183

17 T 0499580                      Elevation = 435m  
5198117

- Map 2212 indicates 3b Porphyritic quartz monzonite
- I see granodiorite contacting finely bedded Argilite bedrock  
Pictures 1360 Granodiorite & Argilite & sample R184

17 T 0499576                      Elevation = 435m  
5198115

- Map 2212 indicates 3b Porphyritic quartz monzonite
- I see granodiorite  
Pictures 1361 Granodiorite & sample R185

17 T 0501717                      Elevation = 414m  
5198855

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
- I see a lava flow. Could be a fault line?
- I see some feldspar fragments in the sample and on surface of bedrock (Breccia)
- Looks like fragment were breaking apart in the lava  
Pictures 1362 Lava & Breccia & sample R186 R187

17 T 0501716                      Elevation = 443m  
5198300

- Map 2212 indicates 9d Massive feldspathic greywacke
- I see feldspar fragments in a dark matrix (Breccia) Could be a fault line?
- One fragment is much larger then the rest
- Nearby I see several dark fractures  
Pictures 1363 Lava & Breccia

17 T 0501709                      Elevation = 441m  
5198314

- Map 2212 indicates 9d Massive feldspathic greywacke
- I see feldspathic greywacke  
Pictures 1364 Greywacke

17 T 0501727                      Elevation = 427m  
5198062

- Map 2212 indicates 9d Massive feldspathic greywacke
- I see medium size egg shaped fragments (Breccia)
- I see a bit of quartz
- We sampled what looks like pseudotachylite
- The matrix was dark grey/blue and fine grain  
Pictures 1365 Pseudotachylite & quartz & breccia & samples R188

- 17 T 0499801                      Elevation = 428m  
5198805
- Map 2212 indicates 3b Porphyritic quartz monzonite
  - I see porphyritic quartz monzonite with 20 - 35 mm phenocrysts
- Pictures 1366 Porphyritic quartz monzonite
- 17 T 0499813                      Elevation = 428m  
5198809
- Map 2212 indicates 3b Porphyritic quartz monzonite
  - I see porphyritic quartz monzonite with small rust spots (Pyrite cubs)
  - Nearby I see a conglomerate with small and medium fragments
  - We sampled the conglomerate
- Pictures 1367 Conglomerate & Porphyry & sample R189
- 17 T 0499628                      Elevation = 437m  
5198233
- Map 2212 indicates 3b Porphyritic quartz monzonite
  - I see granodiorite
- Pictures 1368 Grano diorite & sample R190
- 17 T 0502621                      Elevation = 466m  
5198584
- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - I see some quartz and epidote (Yellow)
- Pictures 1369 Quartz feldspar (Hornblende) Biotite schist & epidote & Quartz
- 17 T 0502621                      Elevation = 466m  
5198584
- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see lots of white and pink stringers
  - The stringers criss cross
- Pictures 1370 Quartz feldspar (Hornblende) Biotite schist & stringers
- 17 T 0502621                      Elevation = 403m  
5198579
- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - I see a bit of mineralization in one sample
- Pictures 1371 Quartz feldspar (Hornblende) Biotite schist & R191 R192
- 17 T 0502622                      Elevation = 402m  
5198551
- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)

- I see Quartz – feldspar (Hornblende) – Biotite schist. The bedrock was dark grey and fine grain, lost of small stringers
- I see some white/pink/orange quartz
- The quartz had some visible minerals and epidote in the quartz  
Pictures 1372 Epidote & quartz & minerals & samples R193 R194

17 T 0501894                      Elevation = 420m  
5198874

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
- I see Quartz – feldspar (Hornblende) – Biotite schist
- The sample had visible minerals
- There was rust and orange colours in the quartz. The quartz sample also has some black material.  
Pictures 1373 Quartz feldspar (Hornblende) Biotite schist & quartz & sample R195 R196

17 T 0501852                      Elevation = 428m  
5198761

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
- I see Quartz – feldspar (Hornblende) – Biotite schist
- I see visible minerals (Intrusion)  
Pictures 1374 Mineralized Quartz feldspar (Hornblende) Biotite schist & sample R197 R198

17 T 0501844                      Elevation = 430m  
5198764

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
- I see Quartz – feldspar (Hornblende) – Biotite schist
- A few samples had visible minerals  
Pictures 1375 Mineralized Quartz feldspar (Hornblende) Biotite schist & sample R199 to R203

17 T 0501800                      Elevation = 421m  
5199067

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
- I see a polymictic conglomerate
- The fragments are rounded  
Pictures 1376 Polymictic conglomerate & sample R204 R205

17 T 0501803                      Elevation = 422m  
5199066

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
- I see a polymictic conglomerate
- The fragments are rounded  
Pictures 1377 Polymictic conglomerate & sample R206 R207

- 17 T 0501802                      Elevation = 422m  
5199071
- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see a polymictic conglomerate
  - The fragments are rounded
- Pictures 1378 Polymictic conglomerate & sample R208 to R211
- 
- 17 T 0498343                      Elevation = 457m  
5199320
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
  - I see pseudotachylite
  - I see undifferentiated bedrock
  - I see quartz
- Pictures 1379 Pseudotachylite & quartz & samples R212 R213
- 
- 17 T 0498342                      Elevation = 458m  
5199320
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
  - I see some quartz
  - I see some greywacke
- Pictures 1380 Quartz & greywacke & samples R214 R215
- 
- 17 T 0498339                      Elevation = 458m  
5199323
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
  - I see some greywacke
  - I see some quartz
  - I see some green chlorite
  - Some samples have visible magnetite and minerals
- Pictures 1381 Green chlorite & quartz & greywacke & samples R216 to R218
- 
- 17 T 0498339                      Elevation = 459m  
5199324
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
  - I see a large quartz dike
  - The quartz has some red colour in it
  - I see some greywacke
- Pictures 1382 Large quartz dike & greywacke & sample R219 R220
- 
- 17 T 0503126                      Elevation = 490m  
5198512
- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - I see epidote
  - I see visible minerals
- Pictures 1383 Mineralized Quartz feldspar Biotite schist & samples R221 R222

- 17 T 0500083                      Elevation = 425m  
5197939
- Map 2212 indicates 3b Porphyritic quartz monzonite
  - I see rusty quartz next to granodiorite
- Pictures 1384 Granodiorite & rusty quartz
- 17 T 0500083                      Elevation = 426m  
5197939
- Map 2212 indicates 3b Porphyritic quartz monzonite
  - I see granodiorite
  - I see quartz
  - I see visible minerals
  - I see some red hematite and orange feldspar
  - I see epidote
  - The cut return was white and slightly orange/rusty
- Pictures 1385 Granodiorite & mineralized quartz & samples R223 to R225
- 17 T 0499615                      Elevation = 436m  
5198053
- Map 2212 indicates 3b Porphyritic quartz monzonite
  - I see a breccia with diorite fragments
  - I see some feldspathic greywacke
- Pictures 1386 Breccia & greywacke
- 17 T 0499614                      Elevation = 432m  
5198052
- Map 2212 indicates 3b Porphyritic quartz monzonite
  - I see a breccia with diorite fragments
  - I see some feldspathic greywacke
- Pictures 1387 Breccia & greywacke & sample R226
- 17 T 0499616                      Elevation = 433m  
5198053
- Map 2212 indicates 3b Porphyritic quartz monzonite
  - I see a diorite with feldspar
  - I see breccia
- Pictures 1388 Breccia & diorite & sample R227
- 17 T 0501708                      Elevation = 418m  
5198853
- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - I see some small white stringers
- Pictures 1389 Quartz feldspar (Hornblende) Biotite schist & sample R228 R229
- 17 T 0501708                      Elevation = 418m  
5198856

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - I see some small white stringers
  - I see visible mineralization in one sample
  - I see feldspar blebs in one sample
- Pictures 1390 Mineralized Quartz feldspar Biotite schist & sample R230 R231

17 T 0501727                      Elevation = 418m  
5198878

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - I see some visible mineralization
- Pictures 1391 Mineralized Quartz feldspar Biotite schist & sample R232

17 T 0509623                      Elevation = 432m  
5199638

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite, 1 Undifferentiated mafic to intermediate metavolcanics in the area
  - I see metavolcanics
  - I see pseudotachylite
- Pictures 1392 Pseudotachylite & metavolcanics

17 T 0503112                      Elevation = 391m  
5198492

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - I see pseudotachylite
  - I see visible mineralization
- Pictures 1393 Mineralized Pseudotachylite & Quartz feldspar Biotite schist

17 T 0501782                      Elevation = 421m  
5199068

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see a conglomerate
  - I see some porphyritic quartz monzonite
- Pictures 1394 conglomerate & porphyry

17 T 0501808                      Elevation = 423m  
5199060

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see a conglomerate with lots of rounded rocks
  - The rocks are small to medium in size. Only a few are large
- Pictures 1395 conglomerates

- 17 T 0501727                      Elevation = 417m  
5198882
- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - The matrix was magnetic
  - I see some visible mineralization in the secondary stringers
  - I see feldspar fragments (intrusive)
- Pictures 1396 Mineralized Quartz feldspar Biotite schist & samples R233 R 246
- 17 T 0501713                      Elevation = 419m  
5198861
- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
- Pictures 1397 Quartz feldspar Biotite schist & sample R247
- 17 T 0501711                      Elevation = 420m  
5198866
- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - I see some stringers and a few fragments
  - I see an elongated shape (fragment) in the sample
- Pictures 1398 Elongated fragment & Quartz feldspar Biotite schist & sample R248
- 17 T 0501716                      Elevation = 420m  
5198855
- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
- Pictures 1399 Quartz feldspar Biotite schist & sample R249
- 17 T 0501666                      Elevation = 420m  
5198873
- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - I see an intrusion into the Quartz – feldspar (Hornblende) – Biotite schist
- Pictures 1400 Intrusion & Quartz feldspar Biotite schist & sample R250 R251
- 17 T 0501662                      Elevation = 420m  
5198878
- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - The matrix was not magnetic

Pictures 1401 Intrusion & Quartz feldspar Biotite schist & sample R252

17 T 0501659                      Elevation = 420m  
5198877

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - The sample matrix was magnetic
- Pictures 1402 Quartz feldspar Biotite schist & sample R253

17 T 0501667                      Elevation = 419m  
5198873

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - The sample matrix was magnetic
- Pictures 1403 Quartz feldspar Biotite schist & samples R254 R255

17 T 0501713                      Elevation = 421m  
5198967

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - The sample matrix was only slightly magnetic to noy magnetic
  - There was some visible minerals in a few samples
- Pictures 1404 Quartz feldspar Biotite schist & samples R256 to R260

17 T 0501712                      Elevation = 419m  
5198965

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - The sample was magnetic
- Pictures 1405 Quartz feldspar Biotite schist & samples R261 to R262

17 T 0501711                      Elevation = 419m  
5198967

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - I see some feldspar
  - The sample was not magnetic
- Pictures 1406 Quartz feldspar Biotite schist & sample R263

17 T 0501702                      Elevation = 419m  
5198966

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)



- I see Quartz – feldspar (Hornblende) – Biotite schist
  - I see a bit of visible mineralization
- Pictures 1407 Quartz feldspar Biotite schist & samples R264 to R266

17 T 0501700                      Elevation = 420m  
5198965

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - I see mineralized stringers (Massive) and blebs
- Pictures 1408 Mineralized stringers and blebs & samples R267 to R270

17 T 0501700                      Elevation = 420m  
5198963

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - I see a bit of visible mineralization
- Pictures 1409 Mineralized stringer & samples R271

17 T 0501702                      Elevation = 419m  
5198960

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
- Pictures 1410 Quartz feldspar Biotite schist & sample R272

17 T 0501782                      Elevation = 418m  
5199069

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see porphyritic quartz monzonite
  - I see a polymictic conglomerate
- Pictures 1411 porphyry & conglomerate & samples R273 to R275

17 T 0501781                      Elevation = 419m  
5199066

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see porphyritic quartz monzonite
  - I see a polymictic conglomerate
- Pictures 1412 porphyry & conglomerate & samples R276

17 T 0501778                      Elevation = 419m  
5199055

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
- I see Quartz – feldspar (Hornblende) – Biotite schist

Pictures 1413 Quartz feldspar Biotite schist & sample R277

17 T 0501771                      Elevation = 421m  
5199053

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
- I see Quartz – feldspar (Hornblende) – Biotite schist
- The matrix was magnetic

Pictures 1414 Quartz feldspar Biotite schist & sample R278

17 T 0501843                      Elevation = 428m  
5198757

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
- I see Quartz – feldspar (Hornblende) – Biotite schist
- One sample had visible mineralization

Pictures 1415 mineralized Quartz feldspar Biotite schist & sample R279 R280

17 T 0501844                      Elevation = 428m  
5198759

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
- I see Quartz – feldspar (Hornblende) – Biotite schist
- All samples had visible mineralization

Pictures 1416 mineralized Quartz feldspar Biotite schist & sample R281 R283

17 T 0497936                      Elevation = 445m  
5199198

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
- I see green chlorite and quartz
- The host bedrock is sedimentary (Undifferentiated)
- I see feldspathic greywacke

Pictures 1417 Green chlorite & quartz & greywacke

17 T 0498408                      Elevation = 411m  
5196294

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
- I see breccia (Elongated fragments) beside an intrusive outcrop
- The intrusive bedrock has small white phenocrysts (Porphyry)

Pictures 1418 Breccia & porphyry

17 T 0498745                      Elevation = 420m  
5196446

- Map 2212 indicates 9c Finely bedded Argillite
- I see pseudotachylite with large fragments
- Two types of large fragments
- I see feldspathic greywacke
- I see rusty water

Pictures 1419 Pseudotachylite & greywacke

17 T 0498732                      Elevation = 419m  
5196442

- Map 2212 indicates 9c Finely bedded Argillite
  - I see pseudotachylite
- Pictures 1420 Pseudotachylite

17 T 0501698                      Elevation = 420m  
5198965

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - All samples had visible mineralization in stringers and blebs
- Pictures 1422 mineralized Quartz feldspar Biotite schist & sample R284 to R286

17 T 0501705                      Elevation = 420m  
5198964

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
- Pictures 1423 Quartz feldspar Biotite schist & samples R287 R288

17 T 0501702                      Elevation = 420m  
5198969

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
  - I see mineralized stringers and blebs
- Pictures 1424 Mineralized Quartz feldspar Biotite schist & sample R289 to R292

17 T 0501806                      Elevation = 420m  
5199103

- Map 2212 indicates 1b Quartz – feldspar (Hornblende) – Biotite schist (Archean – Metavolcanics and Metasediments)
  - I see Quartz – feldspar (Hornblende) – Biotite schist
- Pictures 1425 Quartz feldspar Biotite schist

17 T 0497954                      Elevation = 438m  
5199206

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
  - I see green chlorite and quartz
  - I see lots of quartz veins
  - I see a bit of visible mineralization
  - The water return from the saw was green
  - I see feldspathic greywacke
- Pictures 1426 Mineralization & Green chlorite & quartz & greywacke

- 17 T 0497953                      Elevation = 438m  
5199199
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
  - I see green chlorite and quartz
  - I see feldspathic greywacke
- Pictures 1427 Green chlorite & quartz & greywacke & sample R295
- 17 T 0497955                      Elevation = 439m  
5199198
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
  - I see green chlorite and quartz
  - I see feldspathic greywacke
- Pictures 1428 Green chlorite & quartz & greywacke & sample R296 R297
- 17 T 0497932                      Elevation = 449m  
5199204
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
  - I see breccia
  - I see green chlorite
- Pictures 1429 Breccia & green chlorite
- 17 T 0497931                      Elevation = 435m  
5199210
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
  - I see feldspathic greywacke gneiss
  - I see visible mineralization
  - I see a black intrusion in the sample
- Pictures 1430 greywacke gneiss & minerals & samples R298 to R300
- 17 T 0497932                      Elevation = 435m  
5199204
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
  - I see a feldspathic greywacke
  - I see lots of disseminated mineralization
  - I see a gneiss
- Pictures 1431 Mineralized gneiss & greywacke & Sample R301 to R305
- 17 T 0497934                      Elevation = 437m  
5199196
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
  - I see a mineralized gneiss
- Pictures 1432 Mineralized gneiss & samples R306 R307
- 17 T 0497934                      Elevation = 434m  
5199198
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
  - I see a diorite
  - I see mineralized stringers

- The undifferentiated bedrock in these pictures are from another area  
Pictures 1433 Mineralized stringers & diorite & sample R308

17 T 0498179                      Elevation = 444m  
5203073

- Map 2261 indicates 8a quartz gabbro (Hornblende only) here and 6a Argillite and siltstone 6b pebbly mudstone and 6c sandstone (greywacke and arkoses) in area
- I see pseudotachylite
- I see some quartz
- I see visible gold  
Pictures 1434 Visible gold & pseudotachylite & sample R309

17 T 0498148                      Elevation = 442m  
5203040

- Map 2261 indicates 8a quartz gabbro (Hornblende only) here and 6a Argillite and siltstone 6b pebbly mudstone and 6c sandstone (greywacke and arkoses) in area
- I see some quartz
- I see visible mineralization
- I see a greywacke  
Pictures 1435 Mineralized greywacke & quartz & sample R310

17 T 0498317                      Elevation = 442m  
5203636

- Map 2261 indicates 2a Pink and grey albite quartz monzonite, albite syenodiorite, quartz diorite, albite granodiorite, albite trondhjemite, and granite with pegmatites
- see large boulders that look like they came from nearby
- I see lots of rust and square hole where sulfides rusted out
- I see visible minerals  
Pictures 1436 Mineralized boulders & samples R311 R312

17 T 0496702                      Elevation = 443m  
5200620

- Map 2212 indicates 9d Massive feldspathic greywacke
- I see mineralized greywacke
- The minerals are magnetic  
Pictures 1437 Mineralized greywacke & sample R313 R314

17 T 0496704                      Elevation = 426m  
5200629

- Map 2212 indicates 9d Massive feldspathic greywacke
- I see pseudotachylite
- I see undifferentiated bedrock
- I see a bit of visible minerals  
Pictures 1438 Mineralized greywacke & pseudotachylite

17 T 0495961                      Elevation = 416m  
5200710

- Map 2212 indicates 9d Massive feldspathic greywacke and 9a Undifferentiated

- I see dark feldspathic greywacke with rust
  - I see a feldspar dike
- Pictures 1439 Greywacke & dike & rust

17 T 0495340                      Elevation = 411m  
5200678

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see pseudotachylite
  - I see breccia
- Pictures 1440 Pseudotachylite

17 T 0495330                      Elevation = 412m  
5200684

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see pseudotachylite
  - I see breccia
- Pictures 1441 Pseudotachylite

17 T 0495058                      Elevation = 428m  
5200531

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see granite with quartz veins
  - I see some muscovite mica
- Pictures 1442 granite & quartz & mica

17 T 0494637                      Elevation = 422m  
5200295

- Map 2212 indicates 5c, quartz pebble conglomerate
  - I see a quartz pebble conglomerate
  - I see lots of rust
  - The metal detector ringed here
- Pictures 1443 Quartz pebble conglomerate

17 T 0494647                      Elevation = 422m  
5200298

- Map 2212 indicates 5c, quartz pebble conglomerate
  - I see a quartz pebble conglomerate
  - I see lots of rust
  - The quartz pebbles are small, white/orange
  - I see disseminated minerals in between the pebbles
- Pictures 1444 Mineralized Quartz pebble conglomerate & samples R315 R316

17 T 0494643                      Elevation = 425m  
5200246

- Map 2212 indicates 5c, quartz pebble conglomerate

- I see a quartz pebble conglomerate
  - I see lots of rust
  - I see disseminated minerals in between the pebbles
  - The quartz pebbles are white/orange/red in colour
- Pictures 1445 Mineralized Quartz pebble conglomerate & samples R317 R324

17 T 0494683                      Elevation = 415m  
5200443

- Map 2212 indicates 5c, quartz pebble conglomerate
  - I see what look like feldspathic greywacke
- Pictures 1446 Greywacke

17 T 0495234                      Elevation = 432m  
5201024

- Map 2212 indicates 3a Quartz monzonite, granite, granodiorite
  - I see conglomerate boulders
- Pictures 1447 Conglomerate boulders

17 T 0495341                      Elevation = 432m  
5200675

- Map 2212 indicates 1 Undifferentiated mafic to intermediate metavolcanics & 3a Quartz monzonite, granite, granodiorite, pegmatite
  - I see pseudotachylite
- Pictures 1448 Pseudotachylite & sample R325

17 T 0499809                      Elevation = 432m  
5198041

- Map 2212 indicates 3b porphyritic quartz monzonite
  - The cut return was really orange
  - I see quartz and rust
  - I see some epidote
- Pictures 1449 Quartz & rust & epidote & samples R326 to R330

17 T 0497864                      Elevation = 430m  
5199089

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
  - I see pseudotachylite in this area
  - I see greywacke
- Pictures 1450 Pseudotachylite & greywacke & sample R331

17 T 0497858                      Elevation = 434m  
5199098

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
  - I see feldspathic greywacke
  - I see quartz
  - I see visible mineralization
  - I see a mineralized gneiss
- Pictures 1451 mineralized gneiss & quartz & samples R332 to R335

17 T 0497862                      Elevation = 441m  
5199104  
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite  
- I see feldspathic greywacke  
- I see visible minerals  
- I see quartz  
Pictures 1452 greywacke & minerals & quartz & samples R336 R 337

17 T 0497862                      Elevation = 442m  
5199102  
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite  
- I see a mineralized gneiss  
- The sample was magnetic  
Pictures 1453 Magnetic mineralized gneiss & sample R338

17 T 0497858                      Elevation = 442m  
5199099  
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite  
- I see a greywacke  
- I see epidote  
- I see a mineralized gneiss  
Pictures 1454 Mineralized gneiss & greywacke & sample R339

17 T 0497882                      Elevation = 443m  
5199102  
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite  
- I see a feldspathic greywacke  
- I see some rust  
Pictures 1455 Greywacke & sample R340

17 T 0497895                      Elevation = 443m  
5199088  
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite  
- I see a feldspathic greywacke  
- I see some quartz  
- I see a bit of visible mineralization  
Pictures 1456 Greywacke & minerals & quartz & sample R341

17 T 0497897                      Elevation = 444m  
5199090  
- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite  
- I see a feldspathic greywacke  
- I see green chlorite  
- I see visible minerals (Magnetic)  
- I see large pyrite cubs  
Pictures 1457 Mineralized Green chlorite & greywacke & samples R342 R343



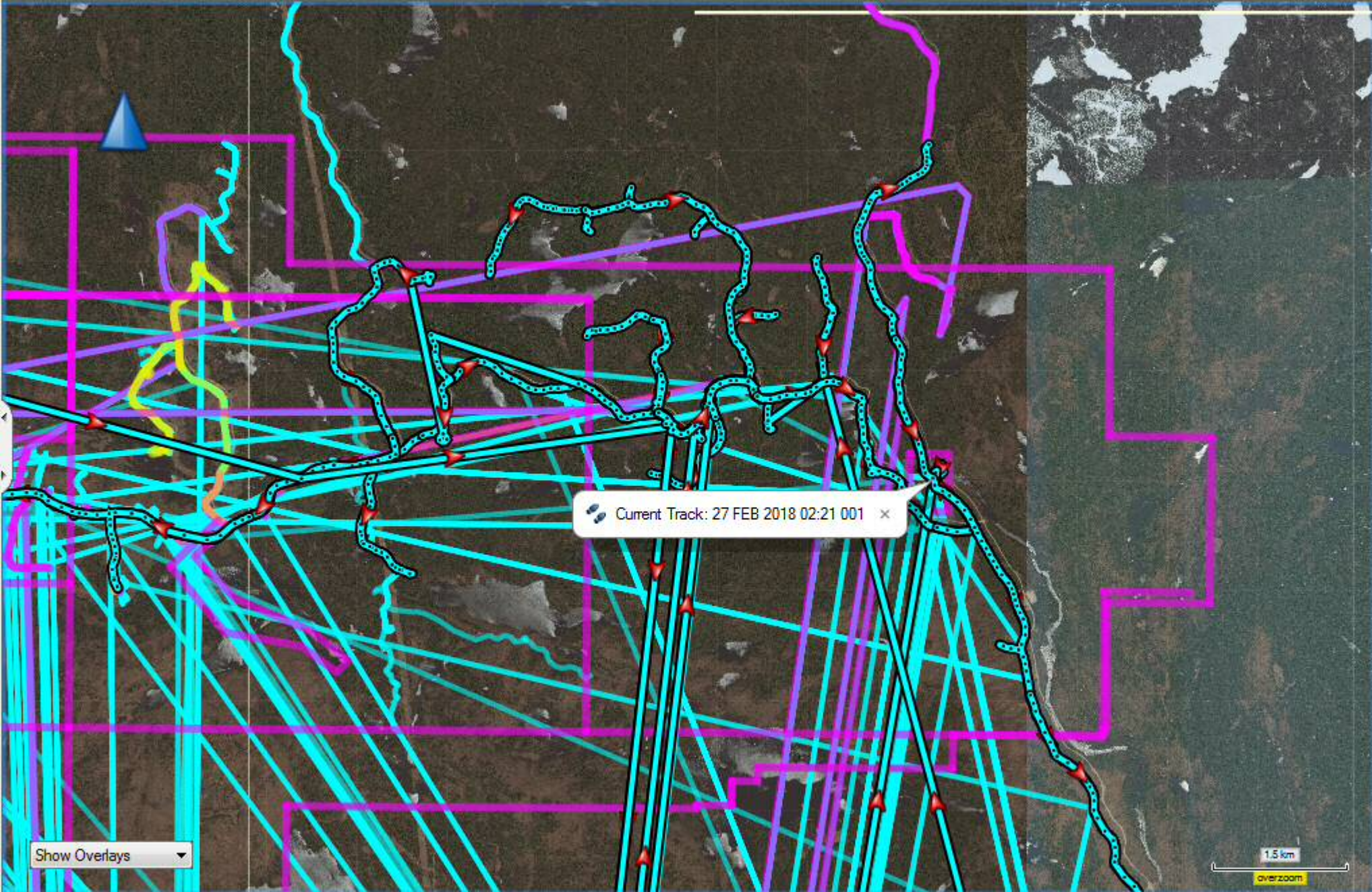
17 T 0497834

Elevation = 431m

5199216

- Map 2212 indicates 9d Massive feldspathic greywacke, 9c Finely bedded Argillite
- I see a gabbro
- I see a mineralized vein

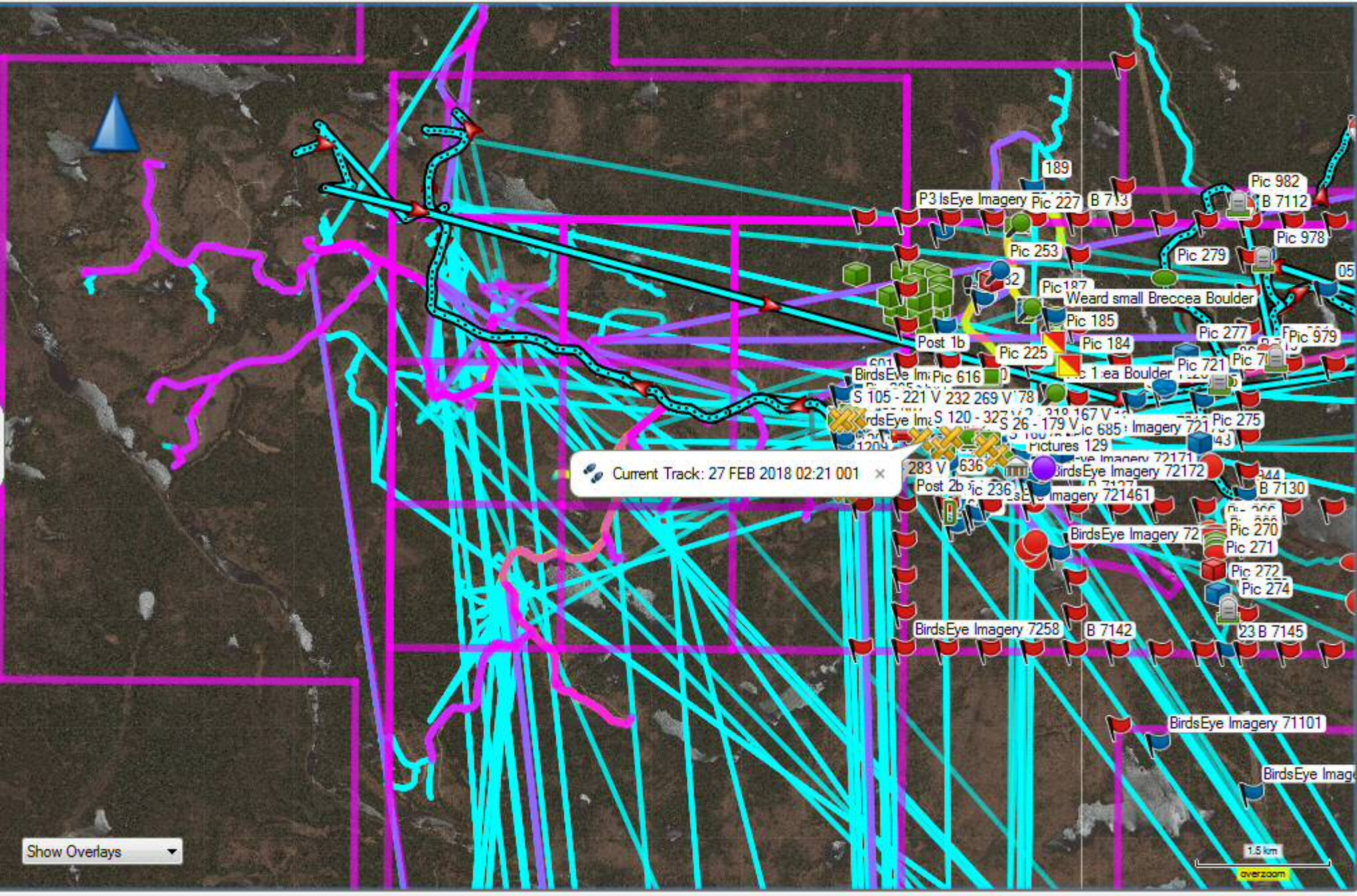
Pictures 1458 Mineralized vein & gabbro & sample R344 R345



👣 Current Track: 27 FEB 2018 02:21 001 ×

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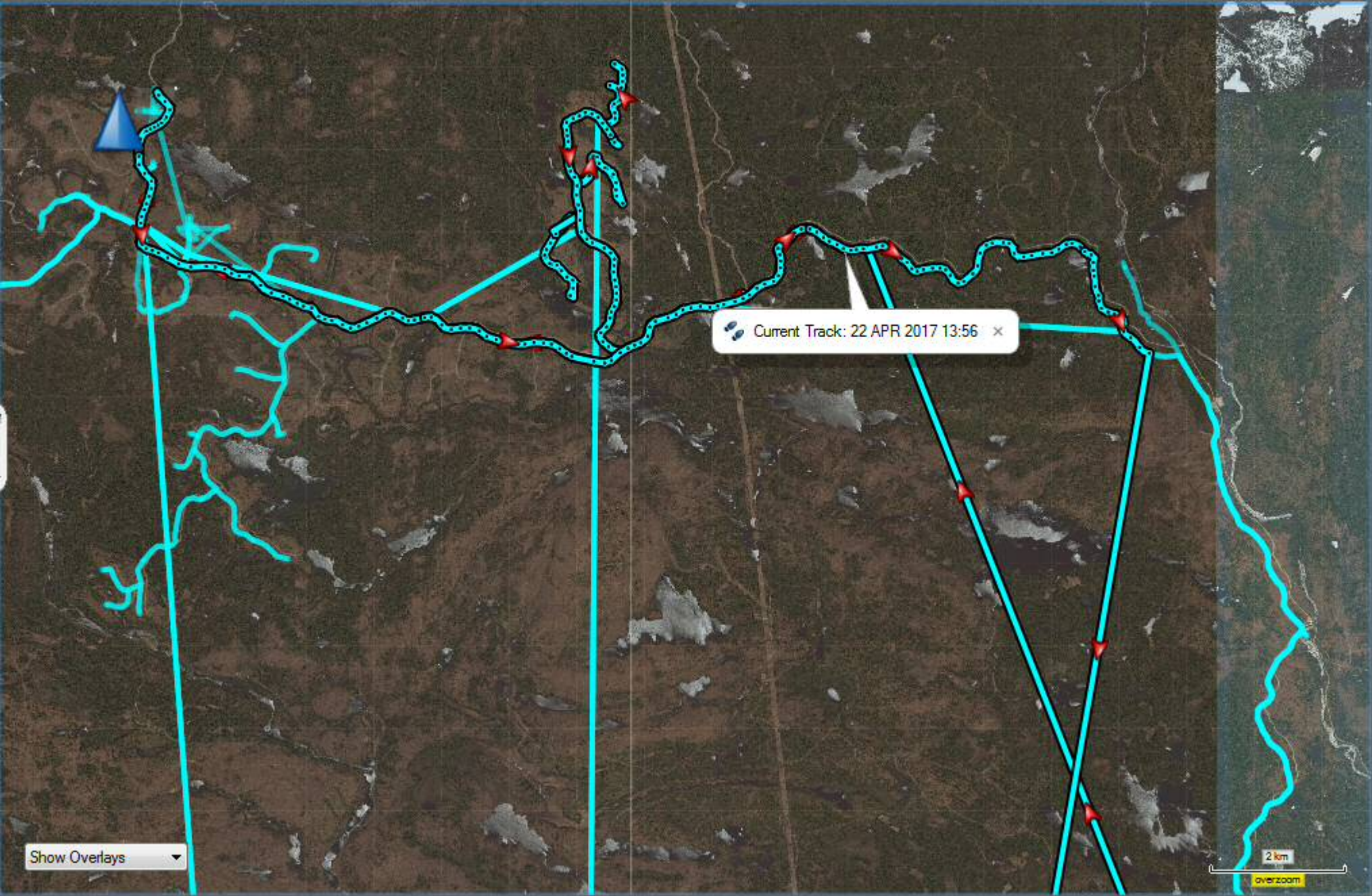


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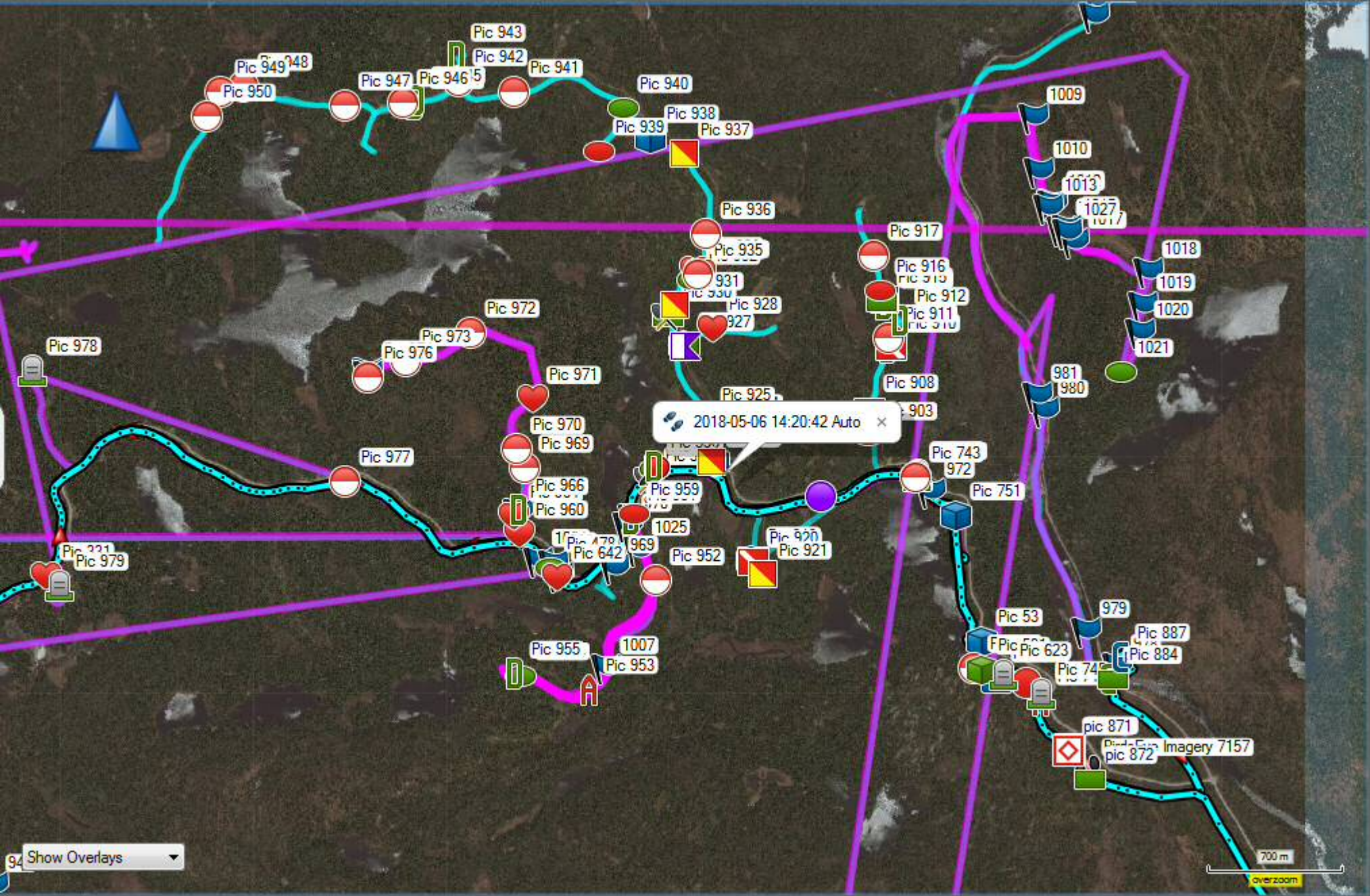
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- 283 V 636
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- BirdsEye Imagery 72172
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- BirdsEye Imagery 72
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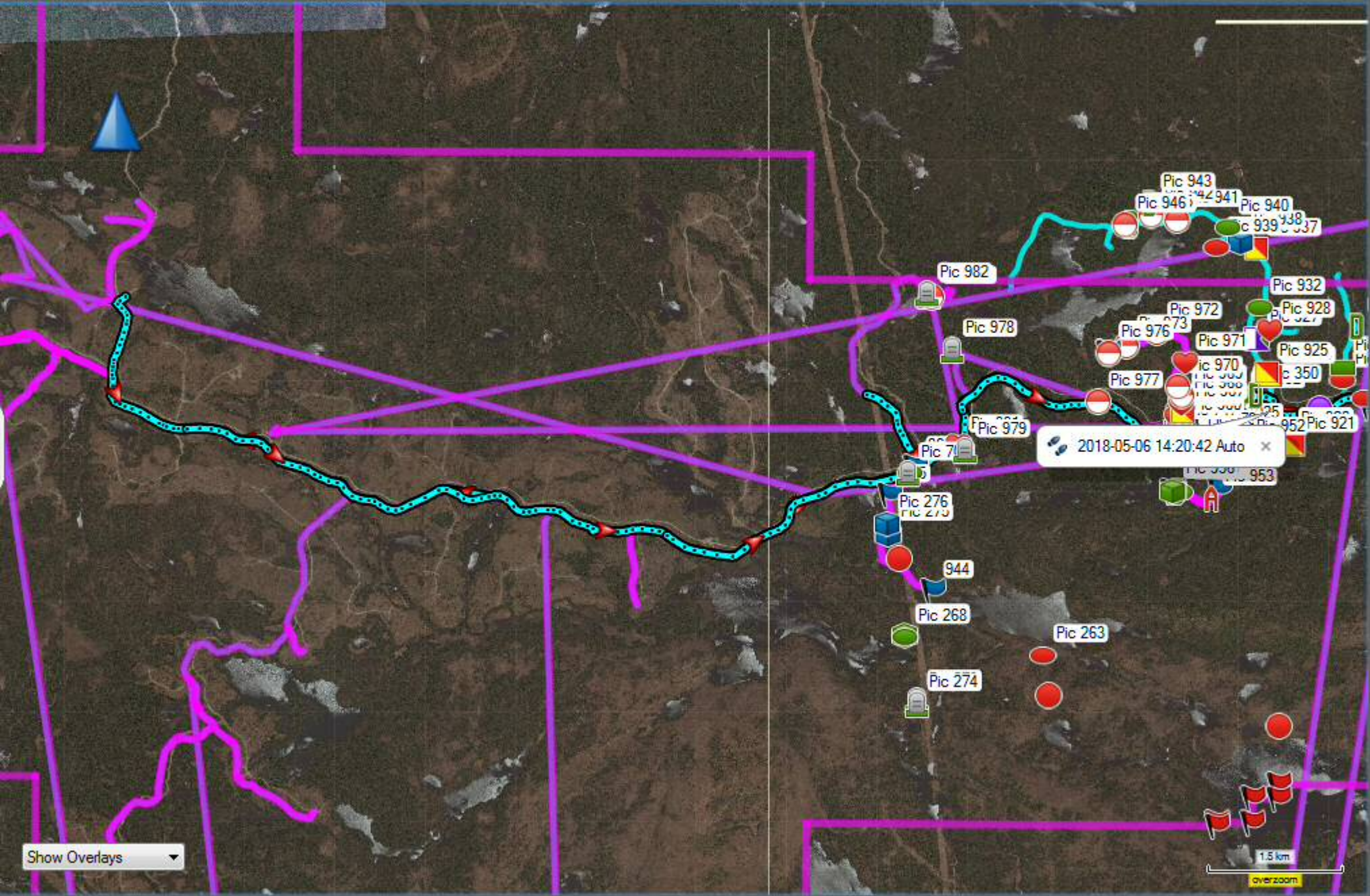


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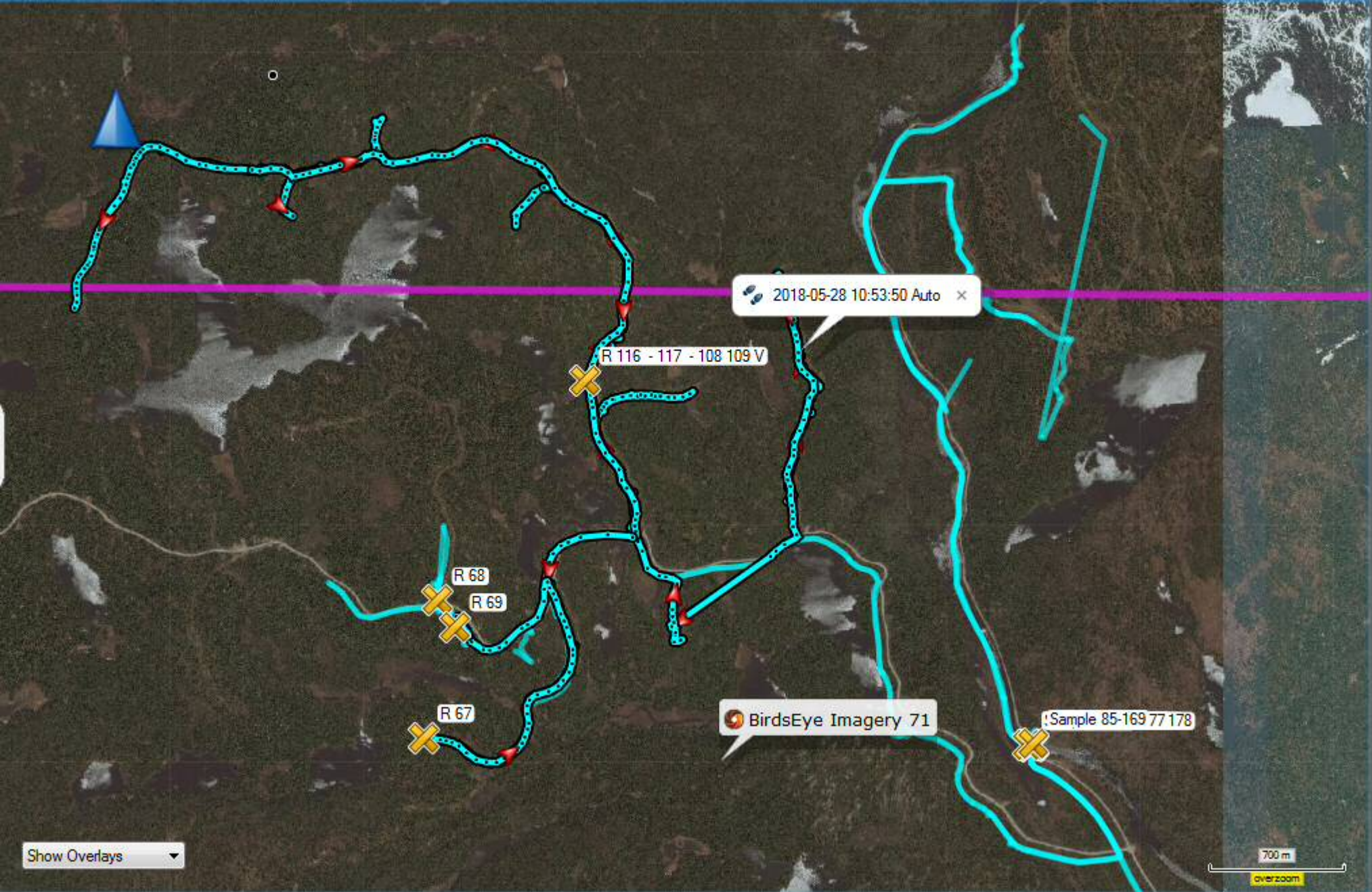
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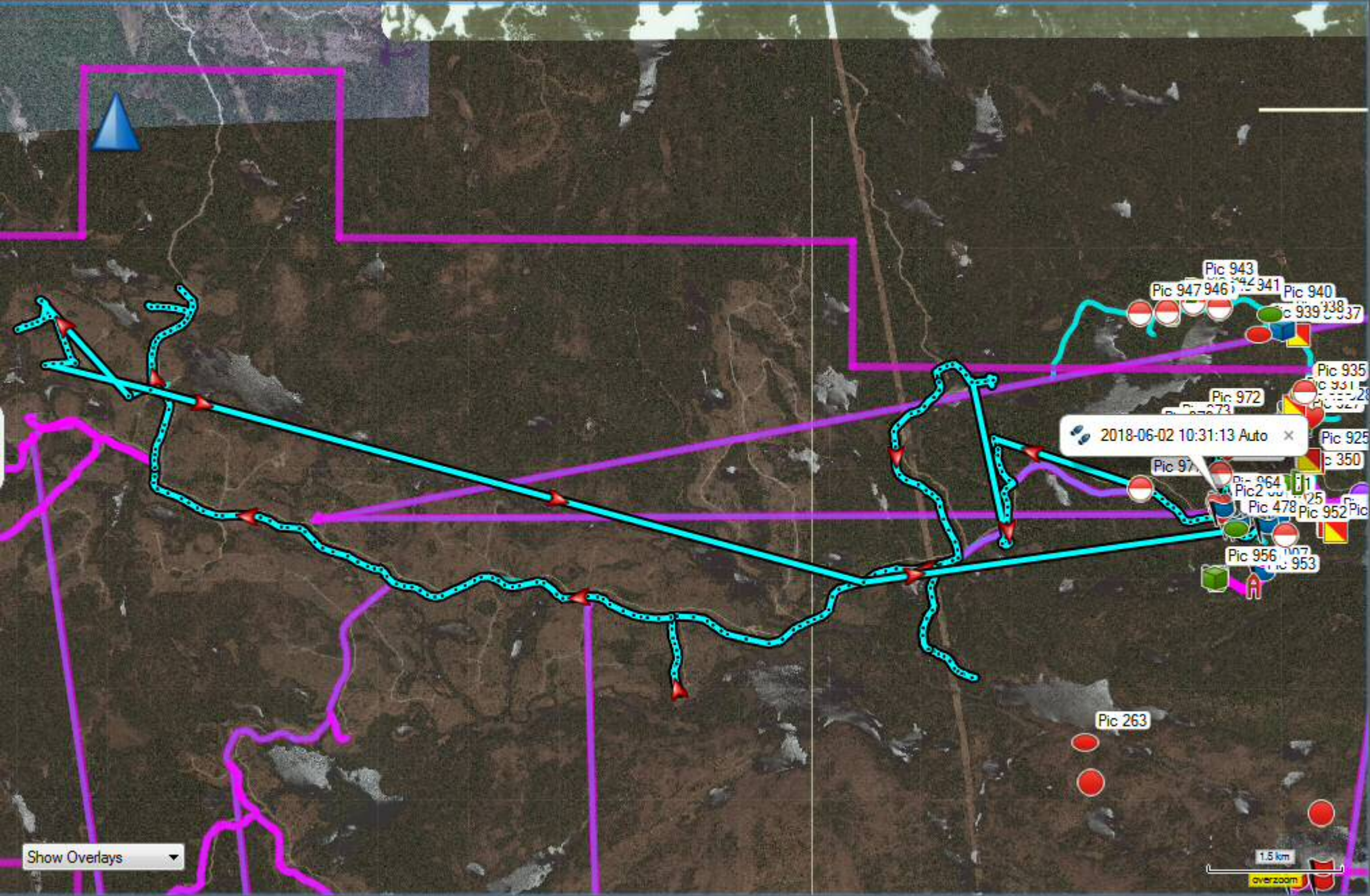
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BirdsEye Imagery 71

Sample 85-169 77178

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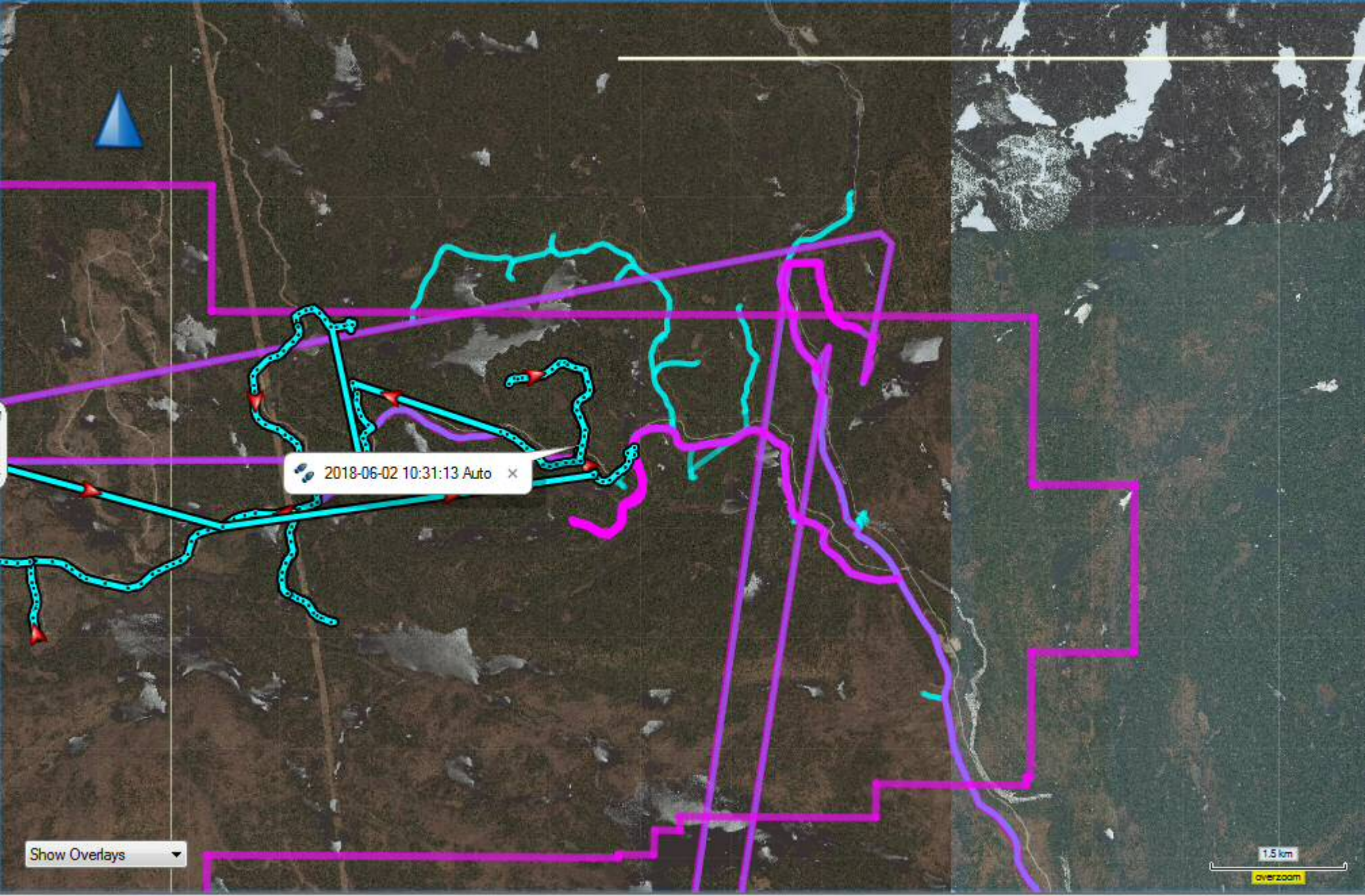
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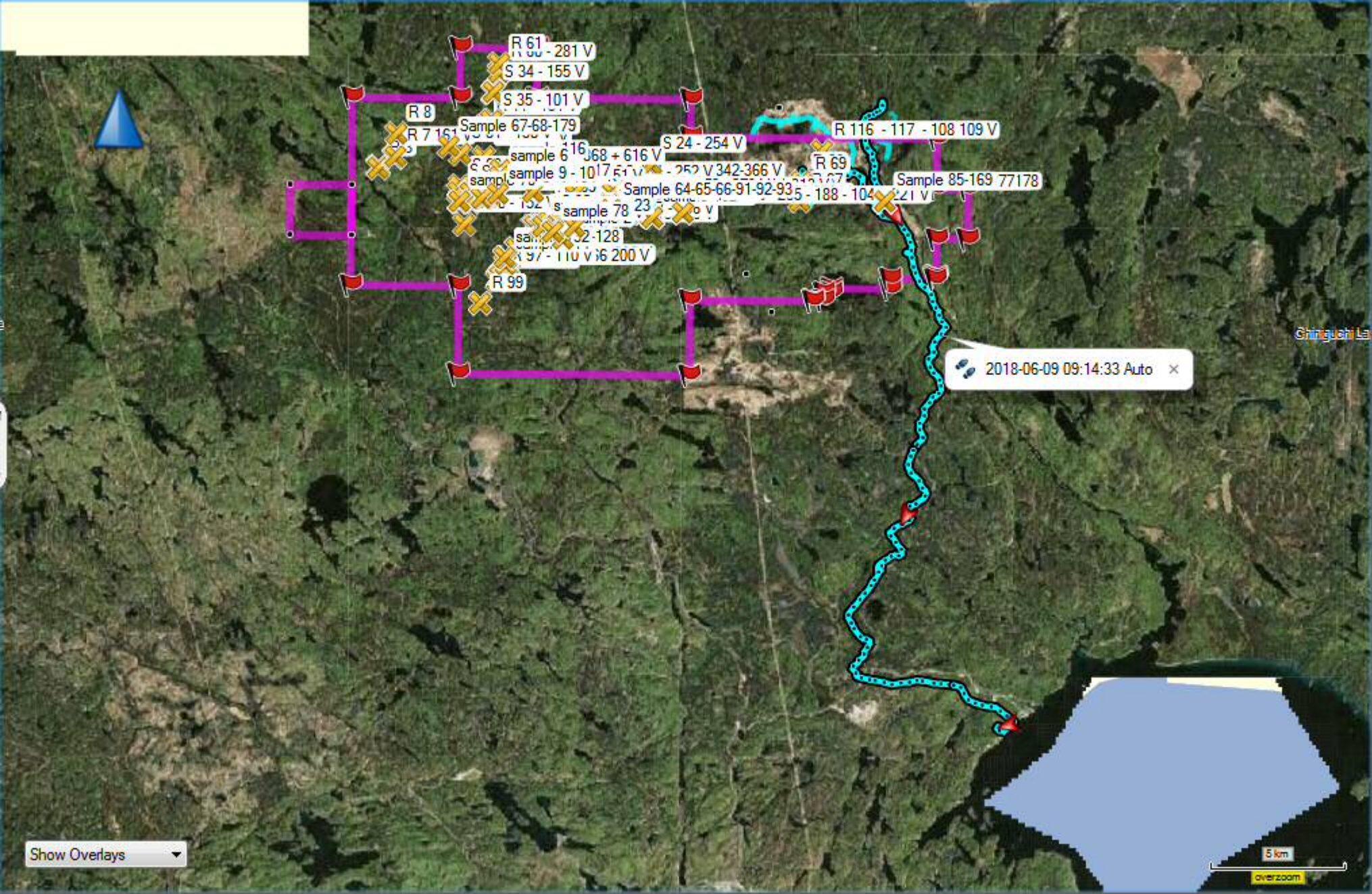


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R 61

S 34 - 155 V

S 35 - 101 V

R 8

Sample 67-68-179

R 7 161

sample 6 168 + 616 V

S 24 - 254 V

R 116 - 117 - 108 109 V

R 69

Sample 85-169 77178

Sample 64-65-66-91-92-93

Sample 78 23

Sample 32-128

Sample 97-110

R 99

Sample 9 - 101751V - 252 V 342-366 V

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R 68

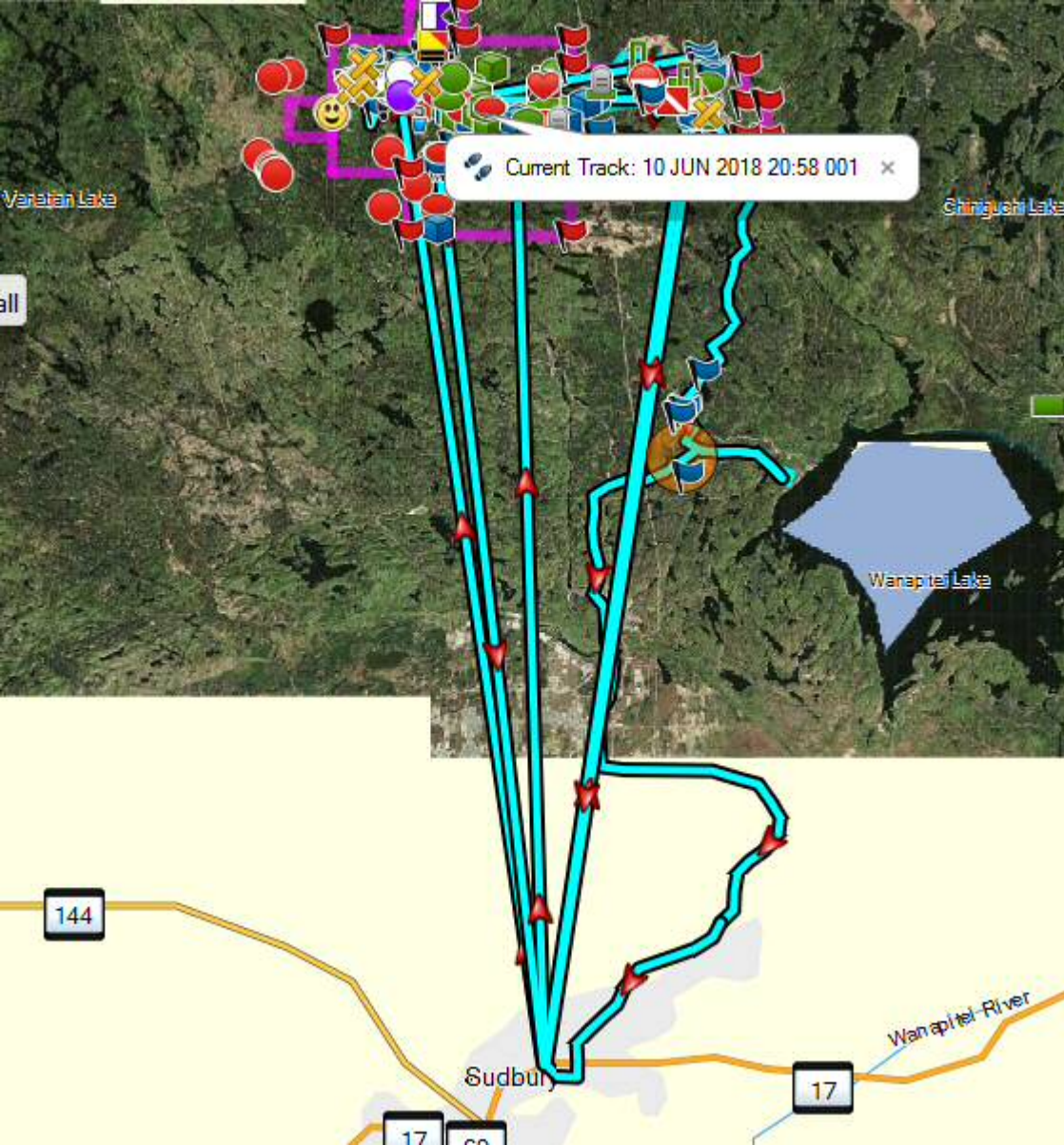
R 69

R 67

Sample 85-169 77178

Show Overlays

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Current Track: 10 JUN 2018 20:58 001

144

Sudbury

17

Wanapitei River

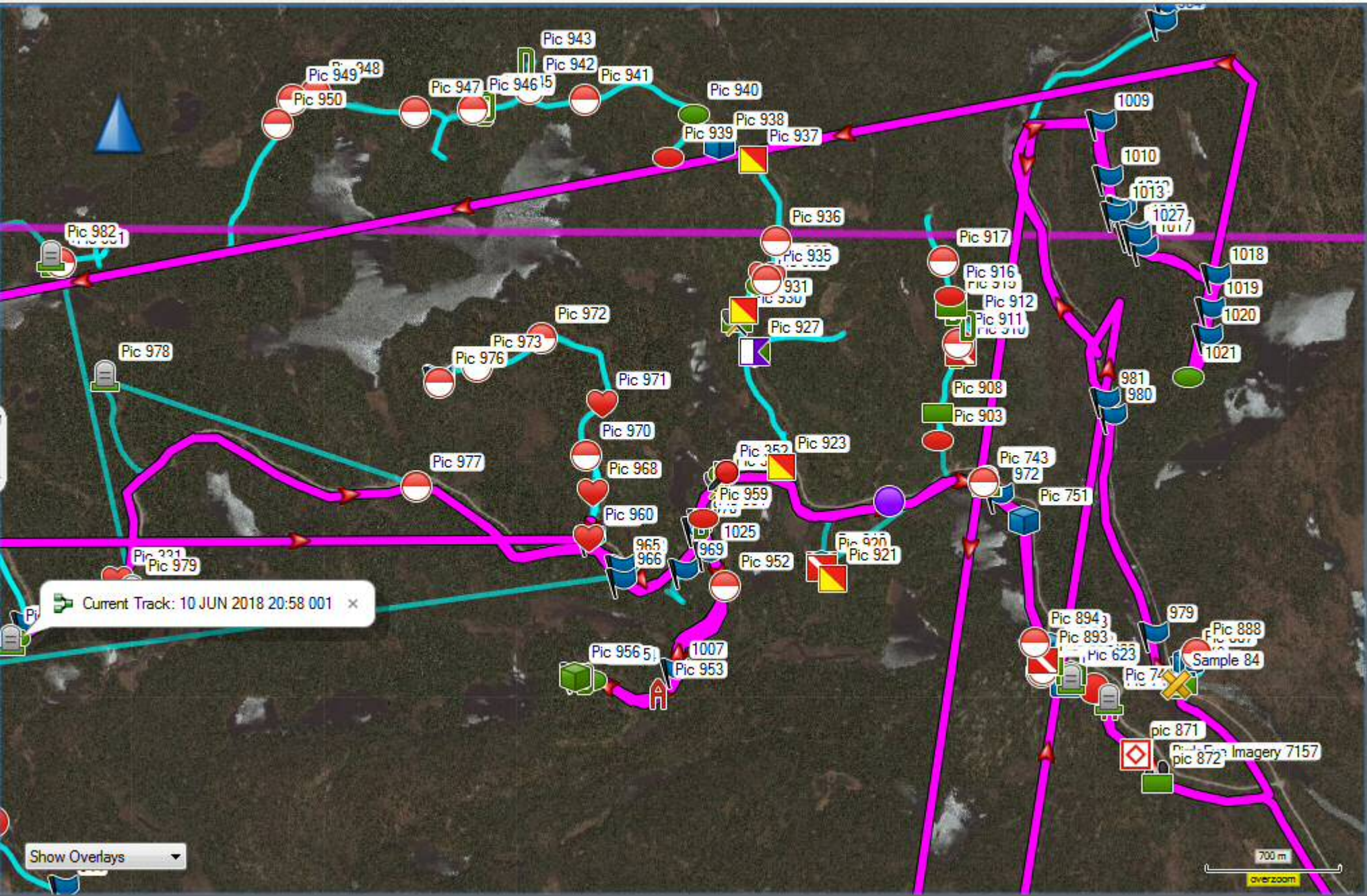
Vanarian Lake

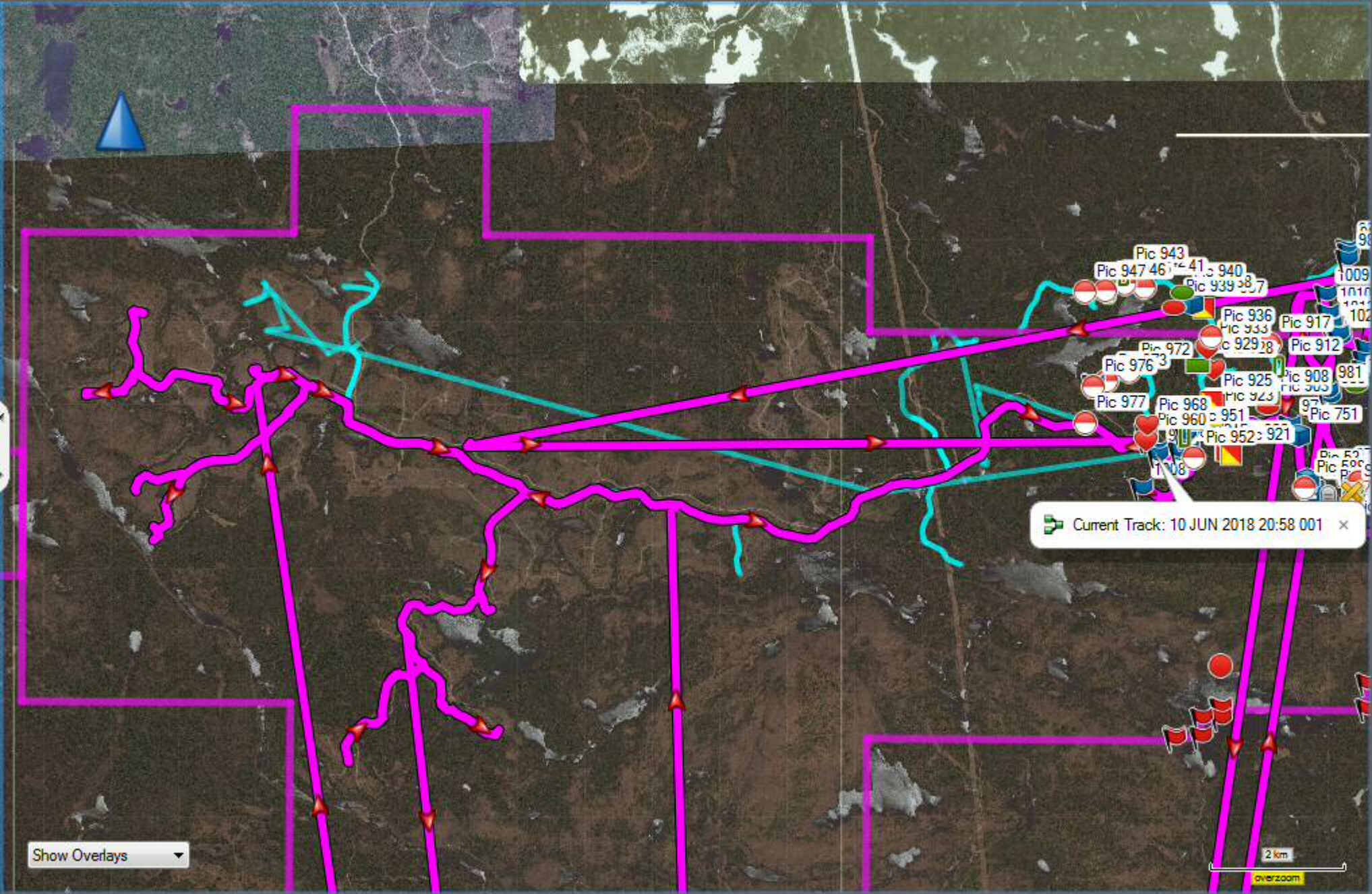
Chingushi Lake

Wanapitei Lake

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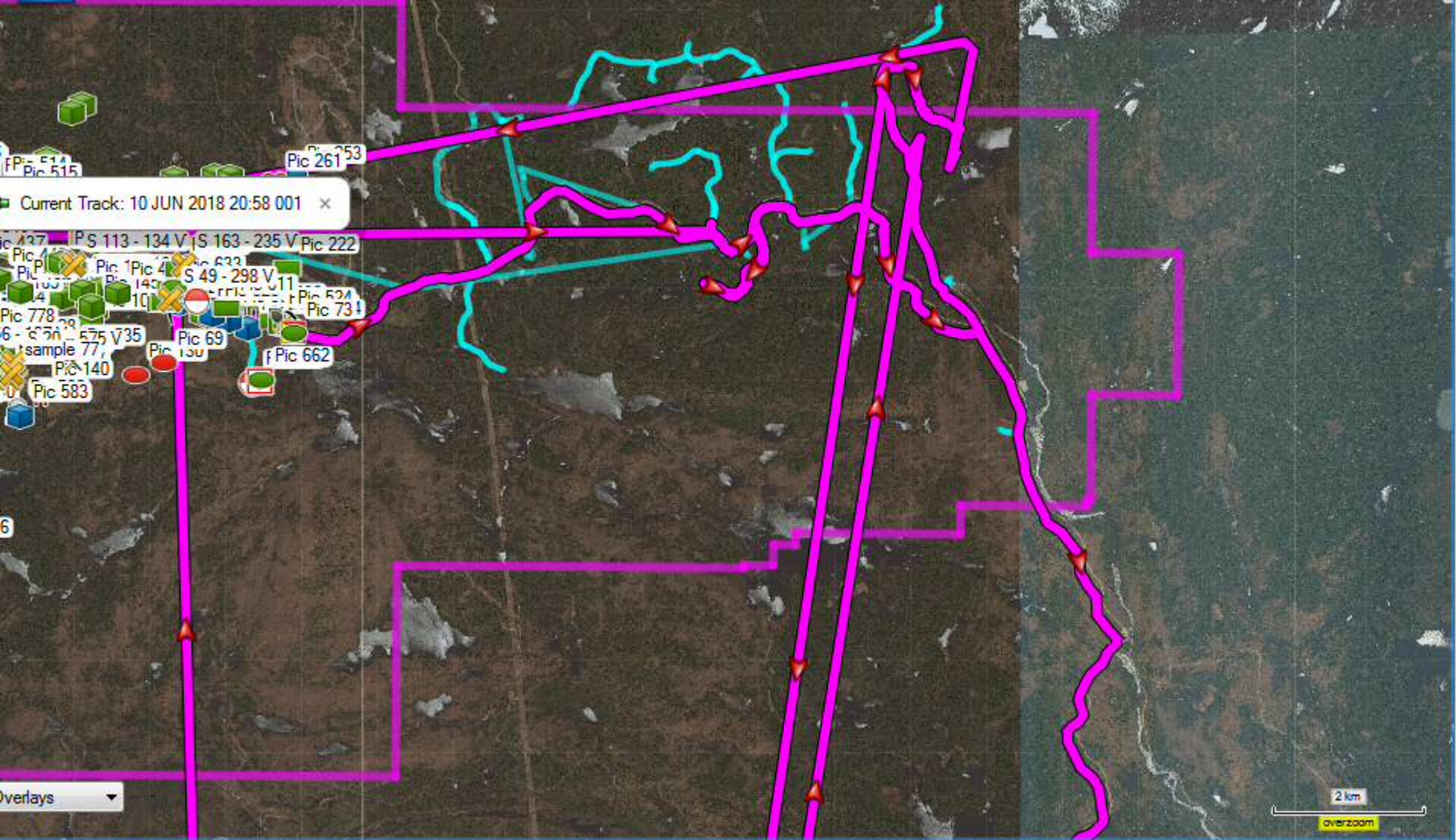


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- Pic 4
- Pic 3
- Pic 2
- Pic 1



Pic 514  
Pic 515

Pic 261<sup>53</sup>

Current Track: 10 JUN 2018 20:58 001 x

Pic 727  
Pic 113 - 134 V  
Pic 163 - 235 V  
Pic 222

Pic 140  
Pic 49 - 298 V  
Pic 633  
Pic 604  
Pic 731

Pic 778  
Pic 69  
Pic 130  
Pic 662

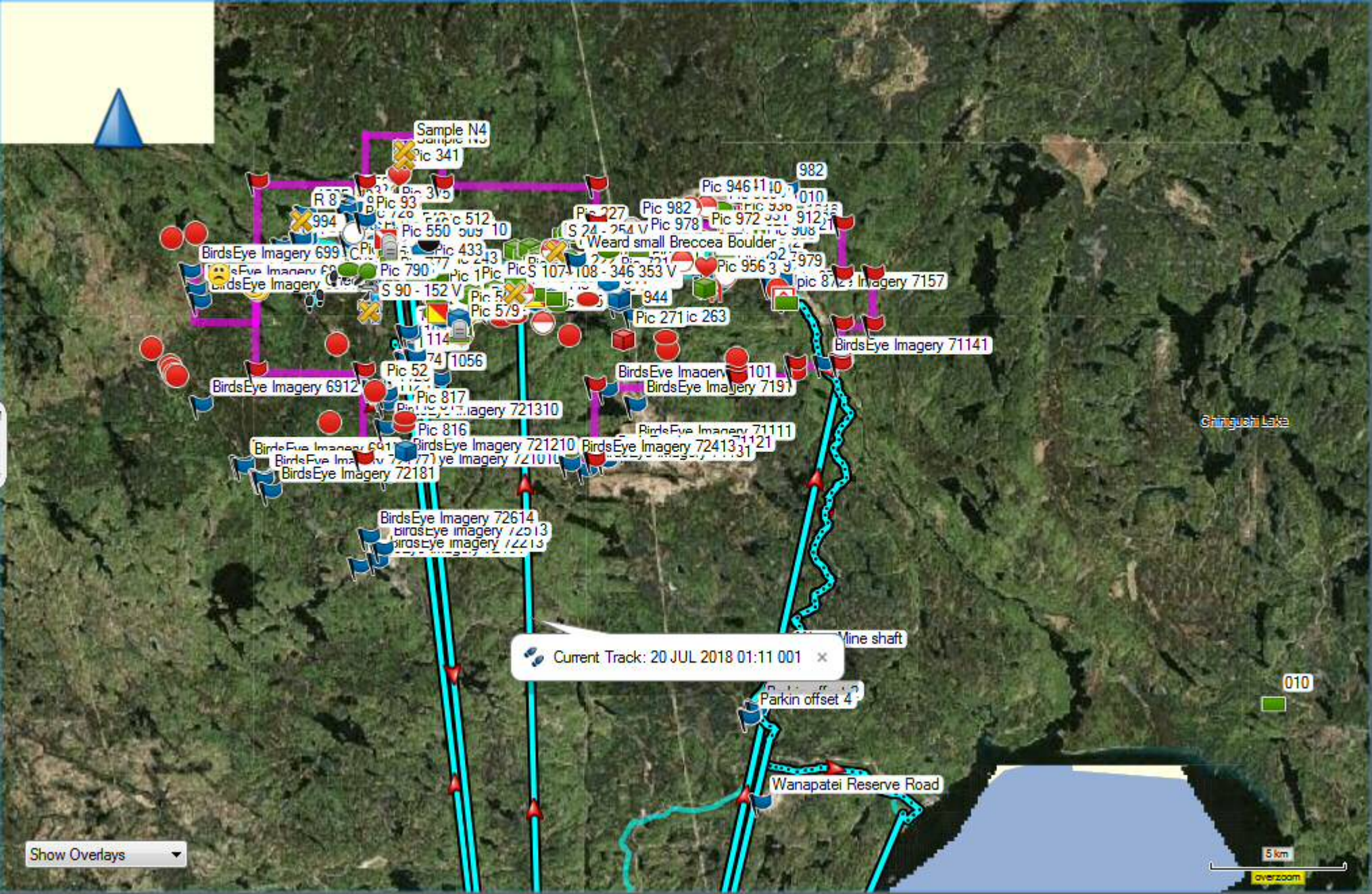
6 - 575 V  
sample 77

Pic 140  
Pic 583

Overlays ▾

2 km

overzoom



Sample N4

Pic 341

982

Pic 946

Pic 982

Pic 978

Pic 972

Pic 956

Pic 271

Pic 263

Pic 101

Pic 817

Pic 816

Pic 814

Pic 813

Pic 812

Pic 811

Pic 810

Pic 809

Pic 808

Pic 807

Pic 806

Pic 805

Pic 804

Pic 803

Pic 802

Pic 801

Pic 800

Pic 799

Pic 798

BirdsEye Imagery 699

BirdsEye Imagery 698

BirdsEye Imagery 697

BirdsEye Imagery 696

BirdsEye Imagery 695

BirdsEye Imagery 694

BirdsEye Imagery 693

BirdsEye Imagery 692

BirdsEye Imagery 691

BirdsEye Imagery 690

BirdsEye Imagery 689

BirdsEye Imagery 688

BirdsEye Imagery 687

BirdsEye Imagery 686

BirdsEye Imagery 685

BirdsEye Imagery 684

BirdsEye Imagery 683

BirdsEye Imagery 682

BirdsEye Imagery 681

BirdsEye Imagery 680

BirdsEye Imagery 679

BirdsEye Imagery 678

BirdsEye Imagery 677

BirdsEye Imagery 676

BirdsEye Imagery 675

BirdsEye Imagery 674

BirdsEye Imagery 673

BirdsEye Imagery 672

BirdsEye Imagery 671

BirdsEye Imagery 670

Current Track: 20 JUL 2018 01:11 001

Mine shaft

Parkin offset 4

Wanapatei Reserve Road

Chingushi Lake

010

5 km

overzoom

Show Overlays





Current Track: 20 JUL 2018 01:11 001

FP-514  
Pic 615  
Pic 89

Pic 86 Pic 60  
PS 113 - 134 V  
Pic 6777

Pic 225

Pic 87  
Pic 104  
Pic 898 - 709  
Pic 615  
S 55 - 265 V  
47 V  
110  
210  
167 V

sample 162  
228 - 205 - 188 - 104 - 221 V

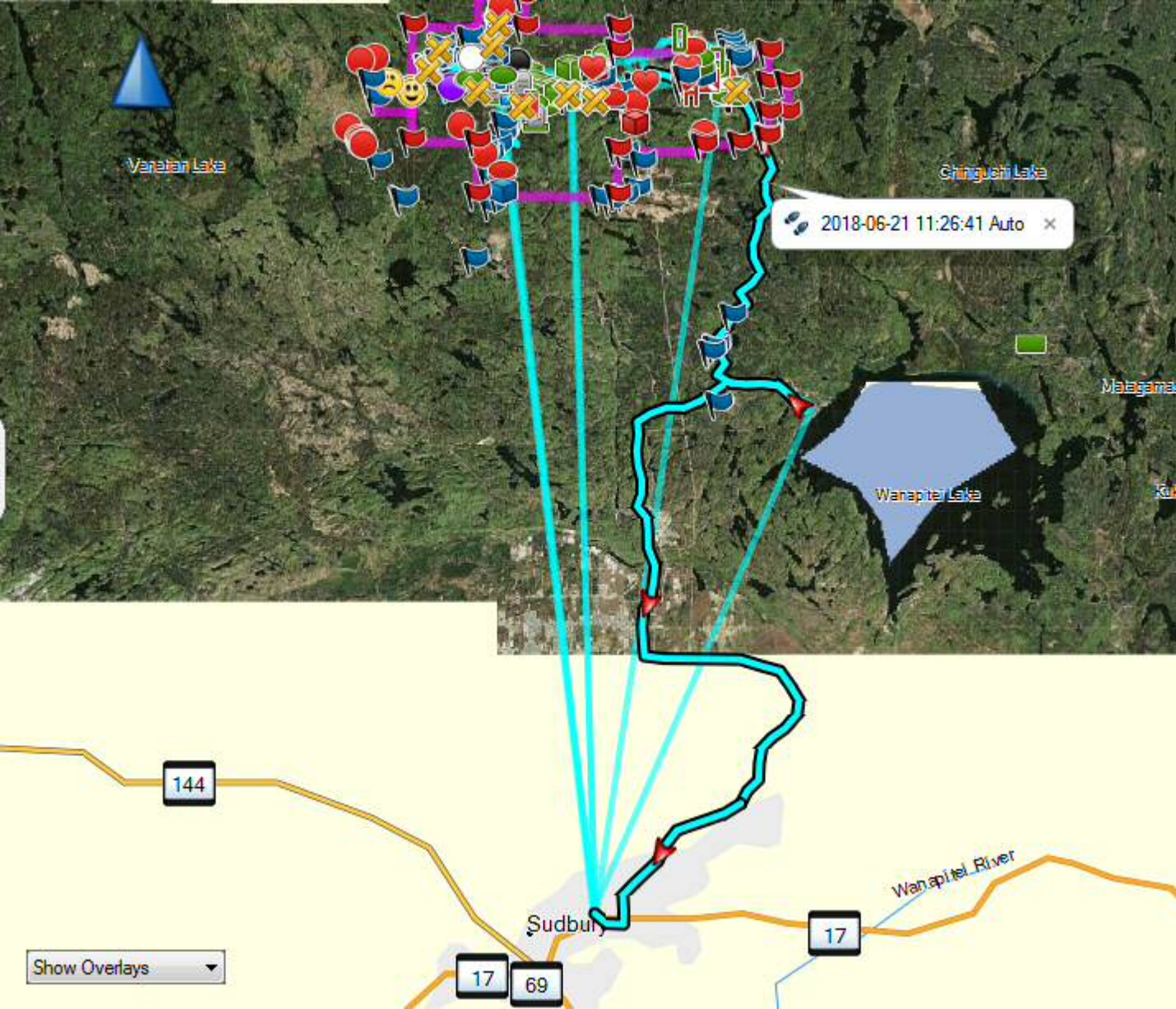
58 sample 2399 V 693

Pic 20  
Pic 588

Pic 000

Show Overlays

2 km  
overzoom



Varatan Lake

Chingushi Lake

2018-06-21 11:26:41 Auto

Wanapitei Lake

Malagama

144

Sudbury

Wanapitei River

17

17

69

Show Overlays



2018-06-21 11:26:41 Auto x

Pic 227  
FS 24-254 V  
Pic 187  
Pic 279  
Pic 980  
Pic 9  
Pic 278  
Pic 721  
Pic 1  
Pic 276  
Pic 983  
Pic 265  
Pic 270  
Pic 271  
Pic 272  
Pic 274  
944  
Pic 60  
Pic 100  
pic 110  
pic 10  
Pic 602  
Pic 140  
Pic 699  
Pic 636  
Pic 614  
Sample 54-56  
Pic 529  
Pic 537  
pic 685  
Pic 673  
pic 687  
Pic 131  
Pic 667  
Pic 643

BirdsEye Imagery  
BirdsE  
BirdsEye I  
BirdsEye Imagery  
BirdsEye Imagery 72413  
BirdsEye Imagery 71131

Show Overlays ▾

2 km  
overzoom



2018-06-24 11:32:56 Auto x

BirdsEye Imagery 71

R 116 - 117 - 108 109 V

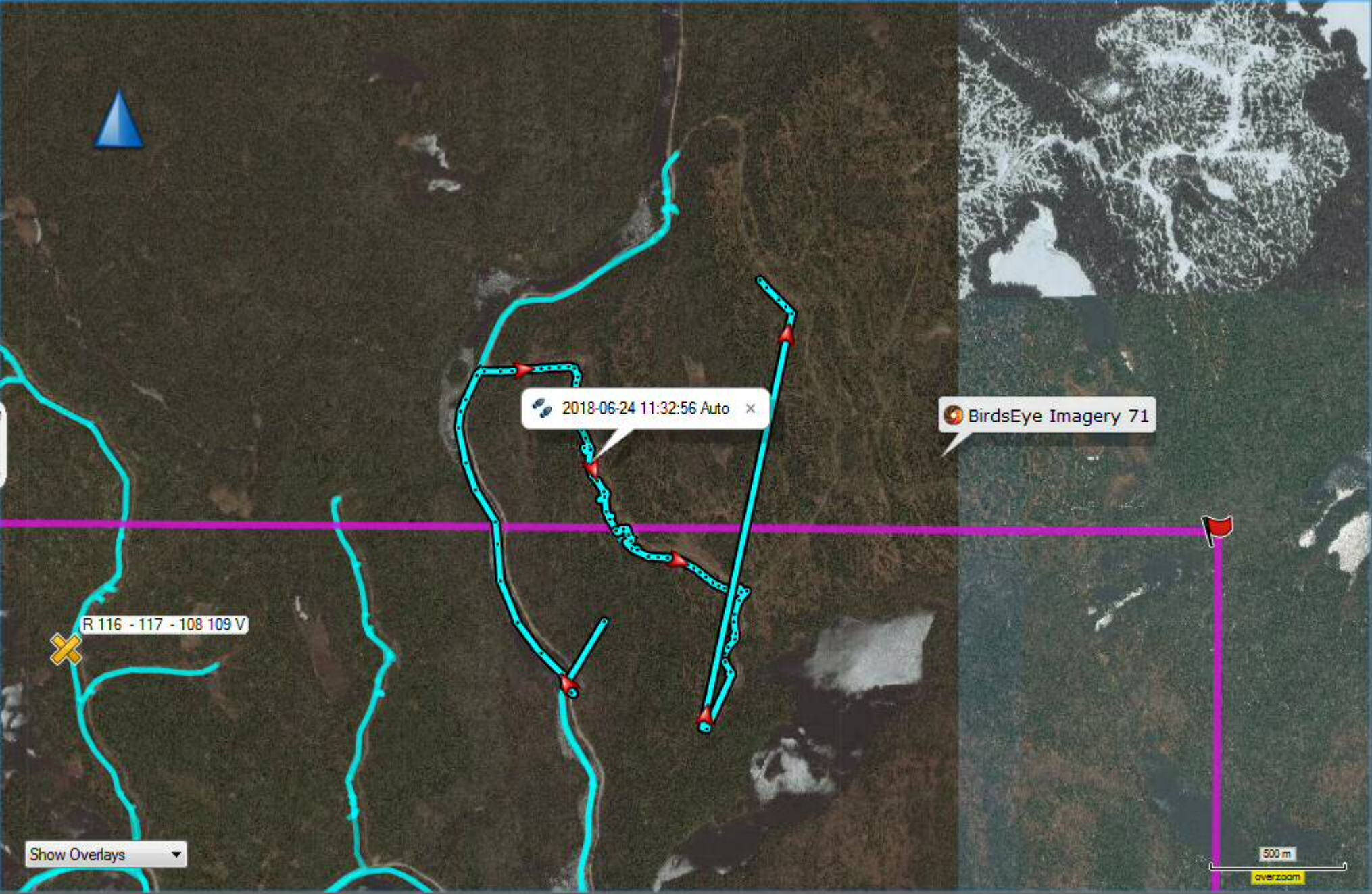


Show Overlays ▾



500 m

overzoom





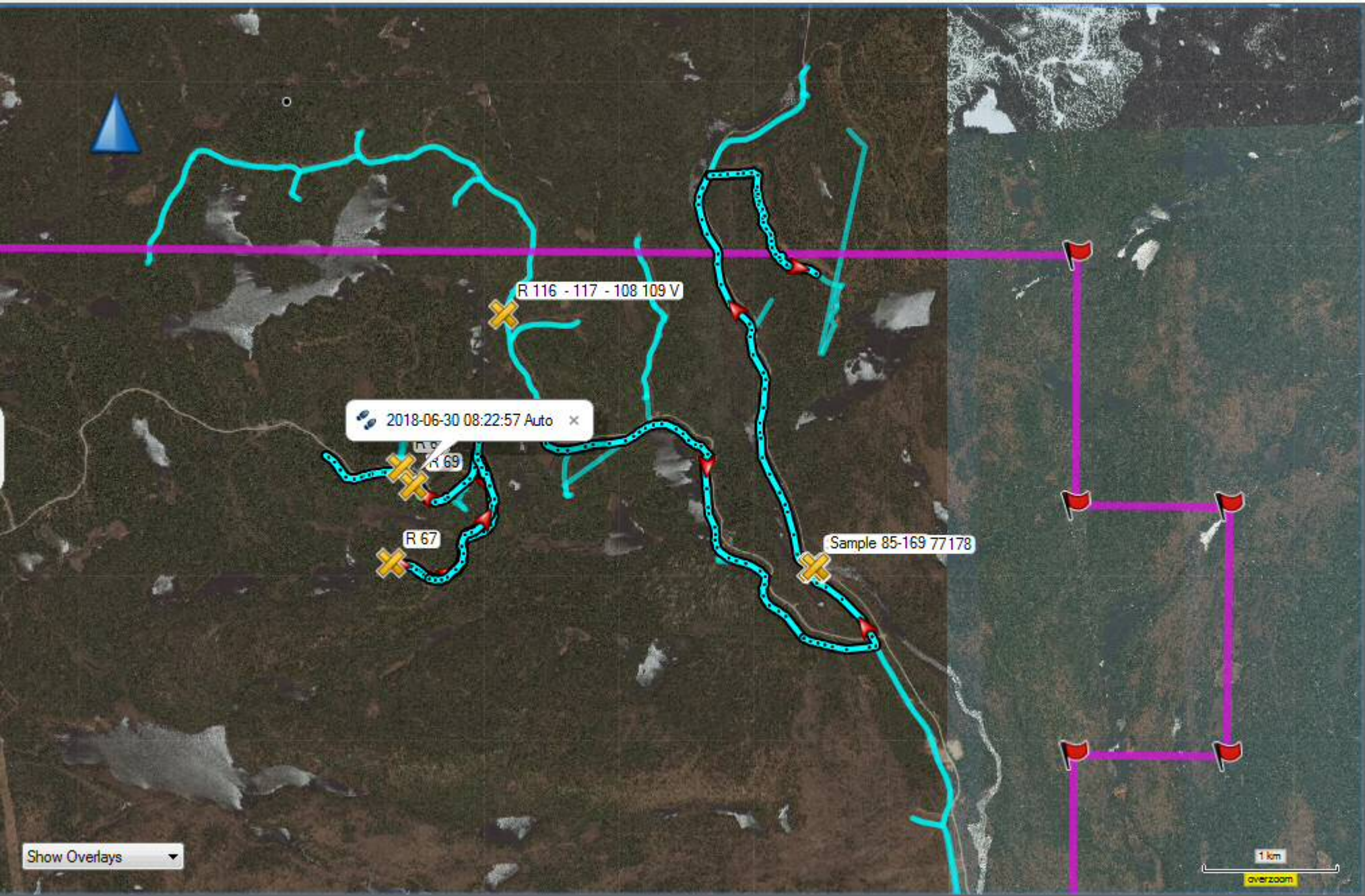
Pic 370

2018-06-24 15:05:03 Auto ...  
BirdsEye Imagery 72 ...  
Search near center of map



Show Overlays ▾





R 116 - 117 - 108 109 V

2018-06-30 08:22:57 Auto x

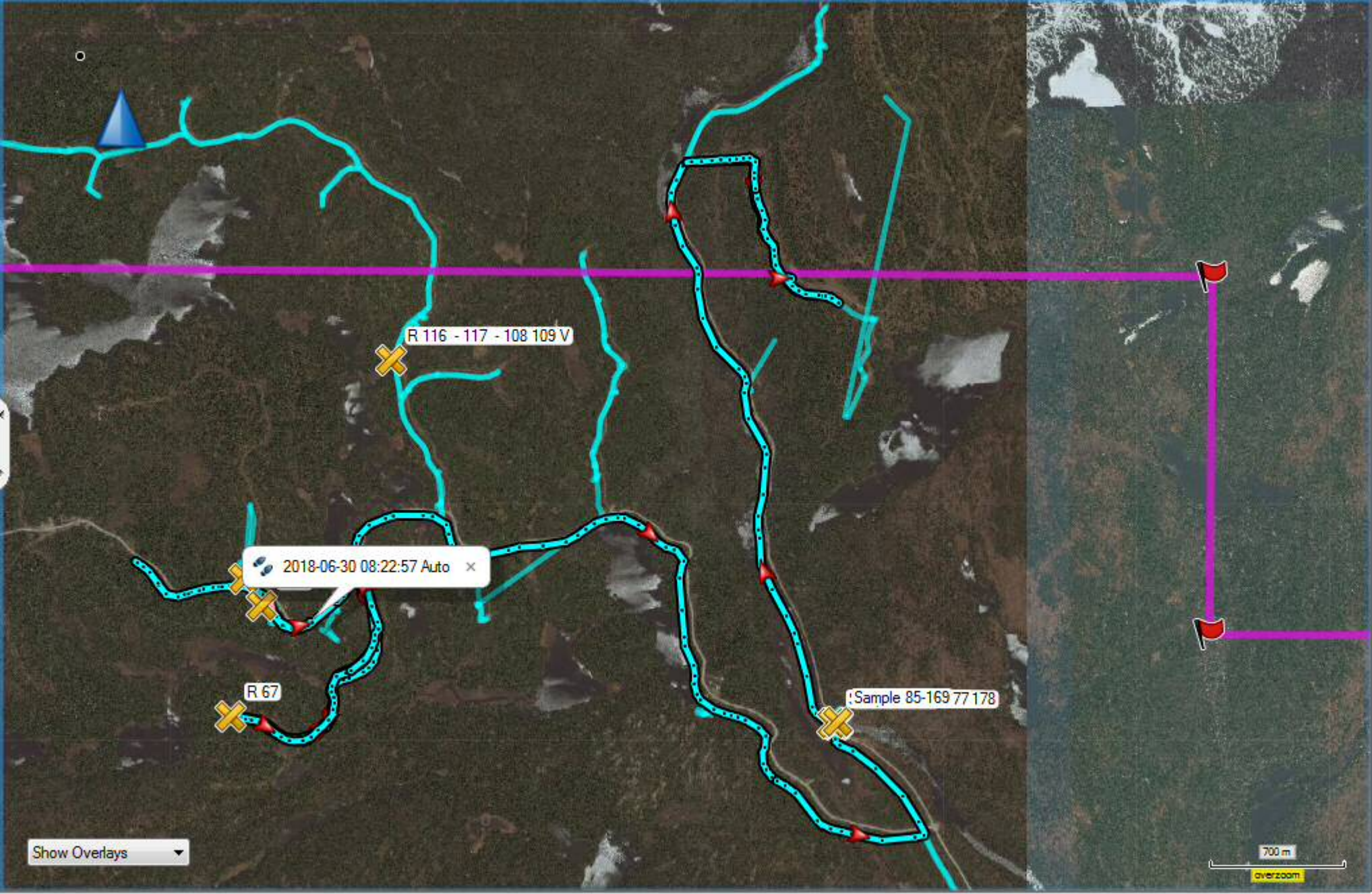
R 69

R 67

Sample 85-169 77178

Show Overlays

1 km  
overzoom



R 116 - 117 - 108 109 V

2018-06-30 08:22:57 Auto x

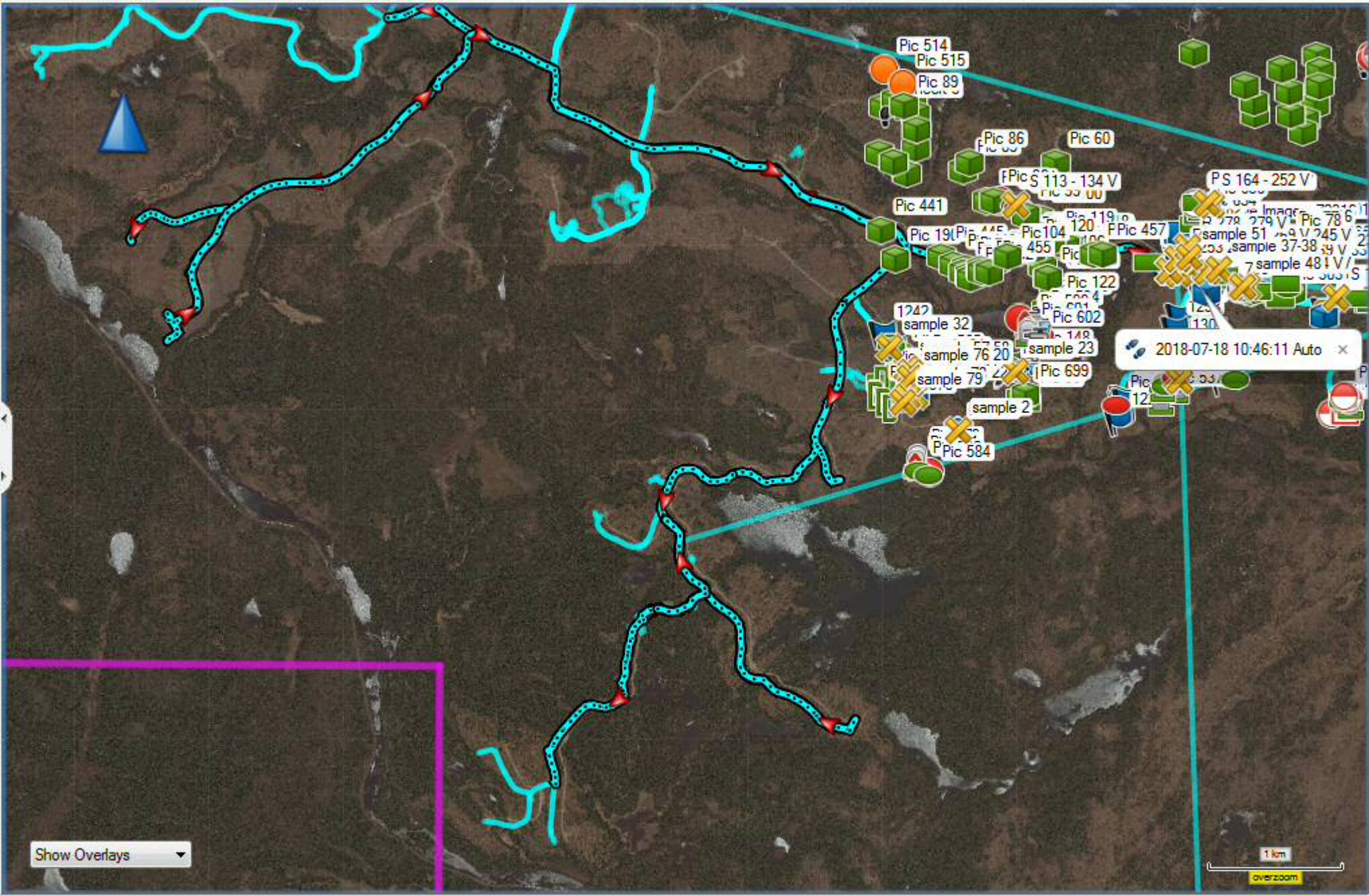
R 67

!Sample 85-169 77 178

Show Overlays

700 m

overzoom



Show Overlays ▾

1 km  
overzoom

2018-07-18 10:46:11 Auto ×

Pic 514  
Pic 515  
Pic 89

Pic 86

Pic 60

Pic 441

Pic 19

1247  
sample 32

sample 76

sample 79

sample 2  
Pic 584

PS 113-134 V

Pic 455

Pic 104

Pic 120

Pic 119

Pic 122

Pic 602

Pic 699

PS 164-252 V

sample 51

sample 37-38

sample 48

sample 12

sample 130

sample 148

sample 174

sample 180

sample 190

sample 200

sample 210

sample 220

sample 230

sample 240

sample 250

sample 260

sample 270

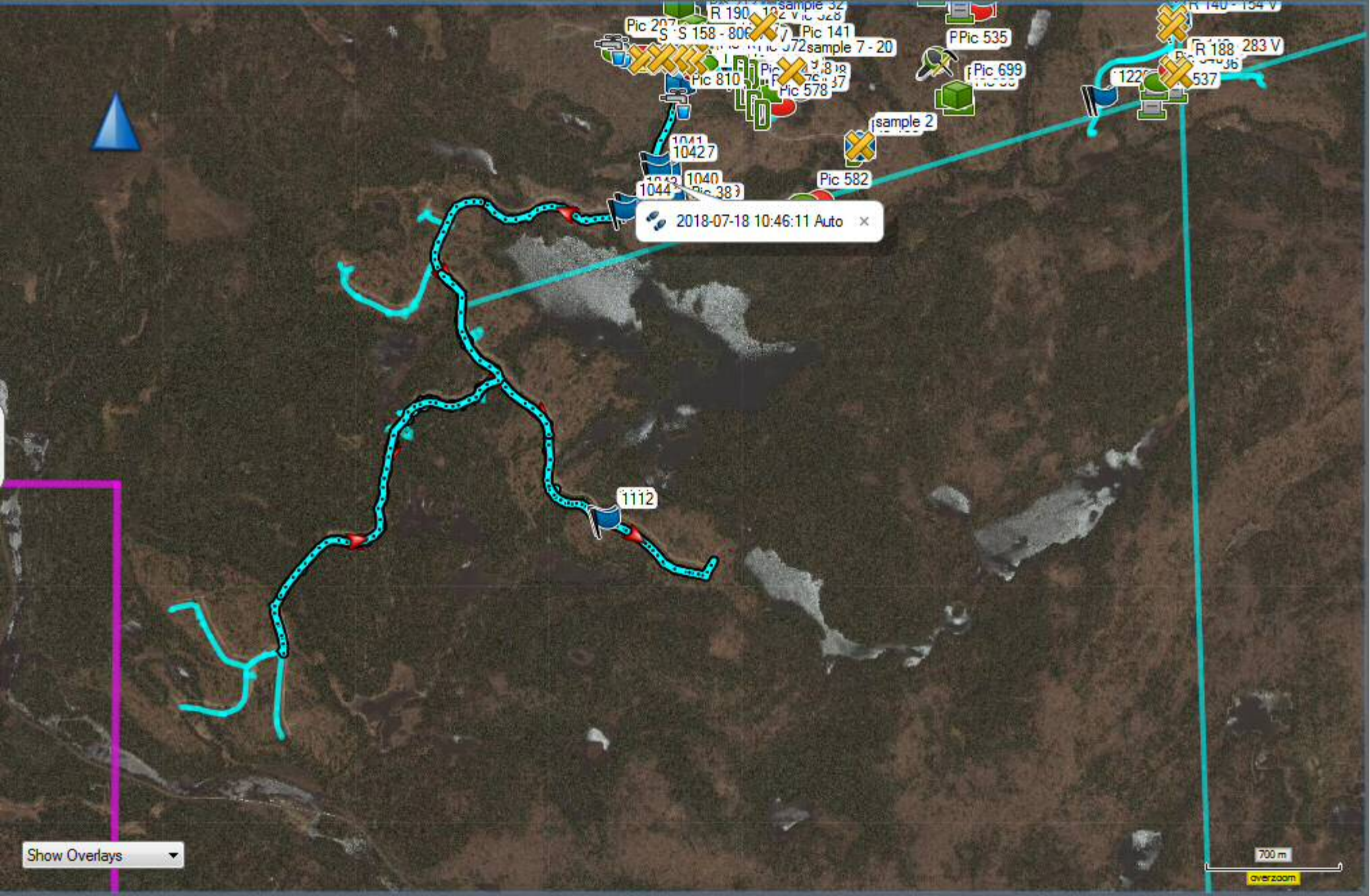
sample 280

sample 290

sample 300







Pic 207 S 158 - 806  
Pic 810  
Pic 572  
sample 7 - 20  
Pic 141  
Pic 578  
Pic 578

PPic 535  
Pic 699  
Pic 53

R 140 - 154 V  
R 188 283 V  
122  
537

1041  
10427  
1044  
1040  
Pic 383

sample 2

Pic 582

2018-07-18 10:46:11 Auto x

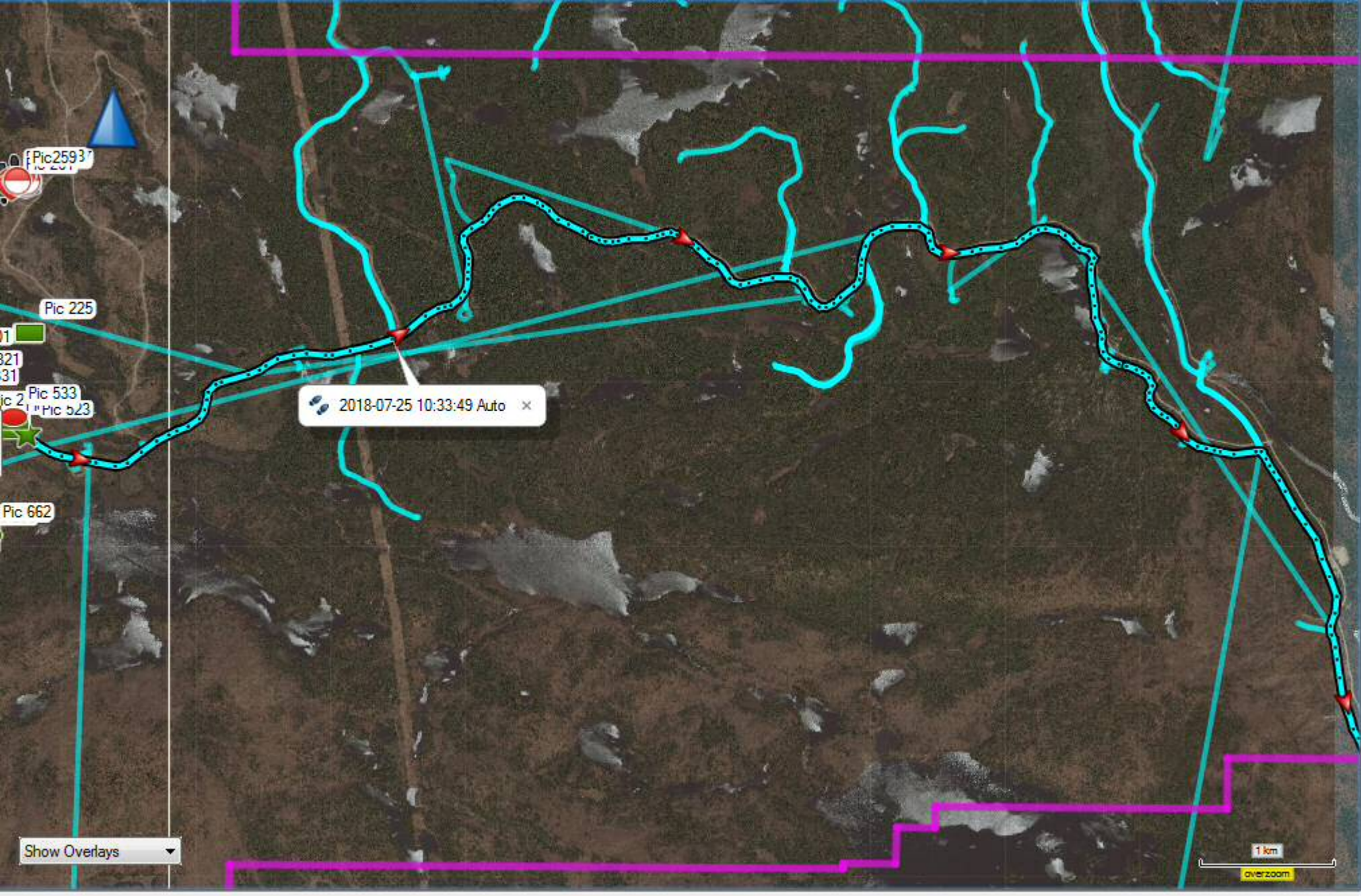
1112

Show Overlays

700 m

overzoom





Pic 2593

Pic 225

Pic 533  
Pic 523

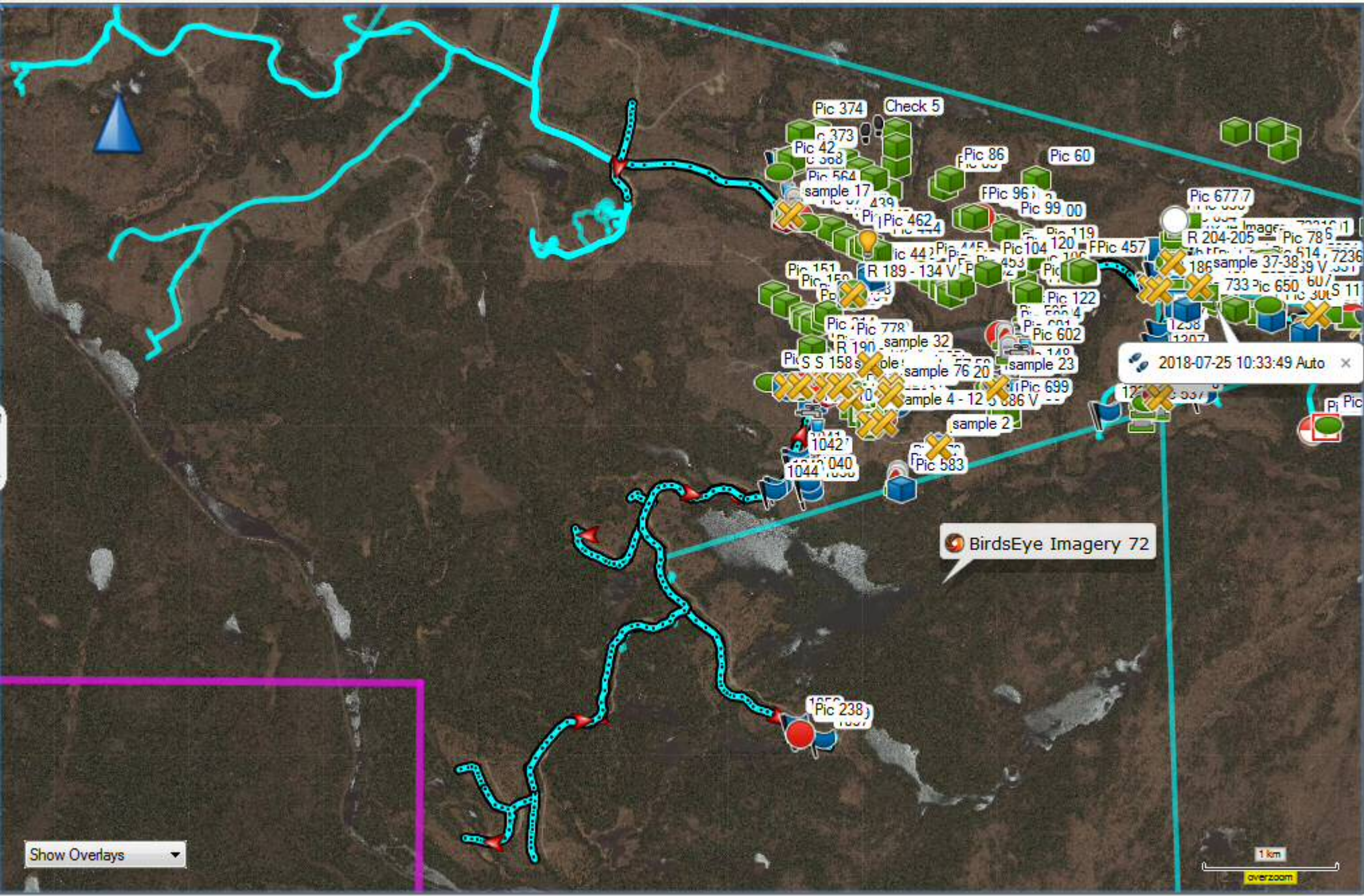
2018-07-25 10:33:49 Auto

Pic 662

Show Overlays

1 km

overzoom



Show Overlays ▾

1 km  
overzoom

Pic 374 Check 5

Pic 42

Pic 564

sample 17

Pic 462

Pic 86

Pic 60

FPic 96

Pic 99 00

Pic 677 7

R 204-205

Pic 78 6

sample 37-38

Pic 650

Pic 151

Pic 150

R 189 - 134 V

Pic 447

Pic 445

Pic 104

Pic 453

Pic 122

Pic 602

Pic 699

sample 4 - 12

Pic 583

sample 2

Pic 238

sample 76 20

sample 23

sample 32

Pic 778

Pic 190

Pic 583

sample 158

Pic 1042

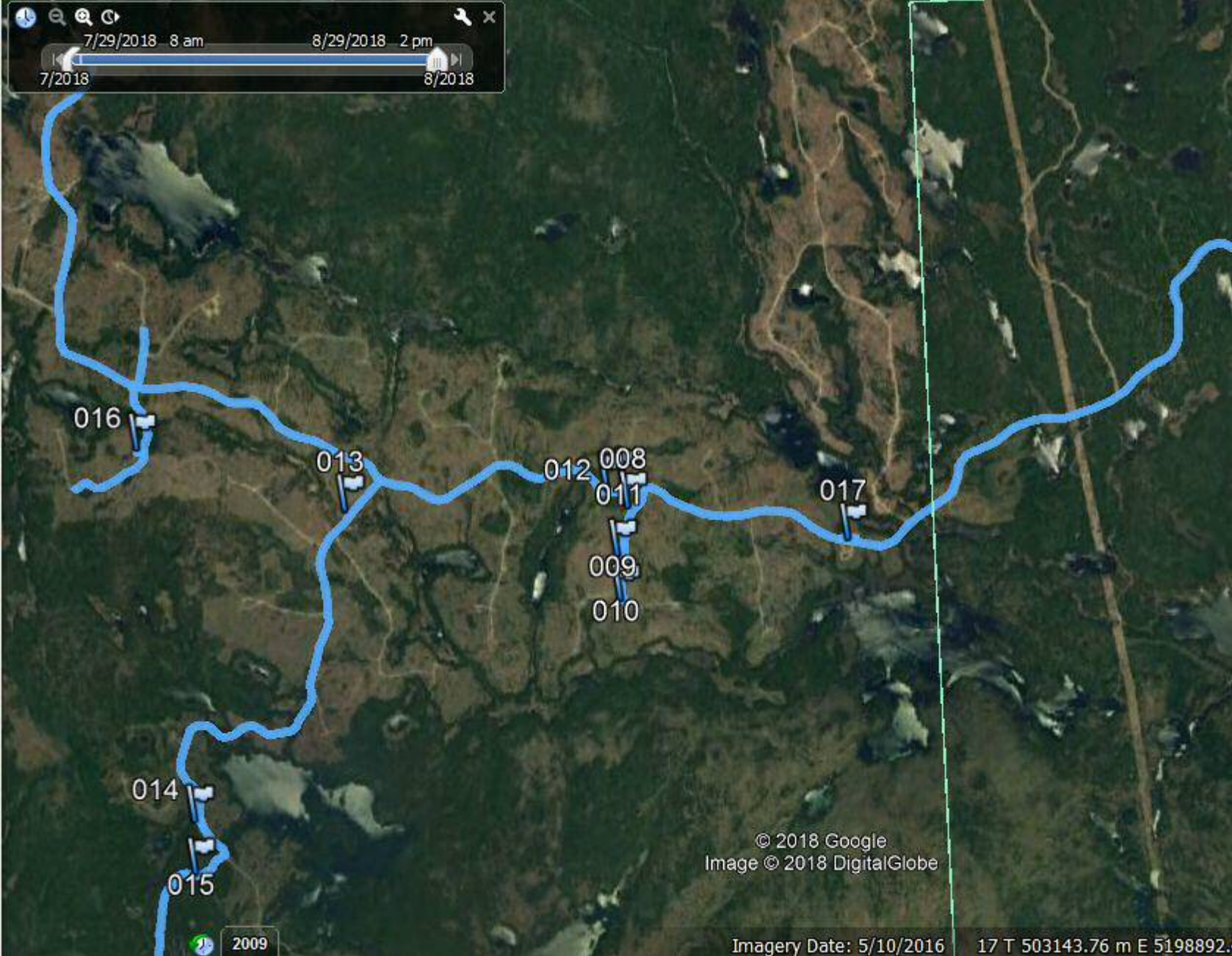
Pic 1044

2018-07-25 10:33:49 Auto ×

BirdsEye Imagery 72

Pic 238

7/29/2018 8 am 8/29/2018 2 pm  
7/2018 8/2018

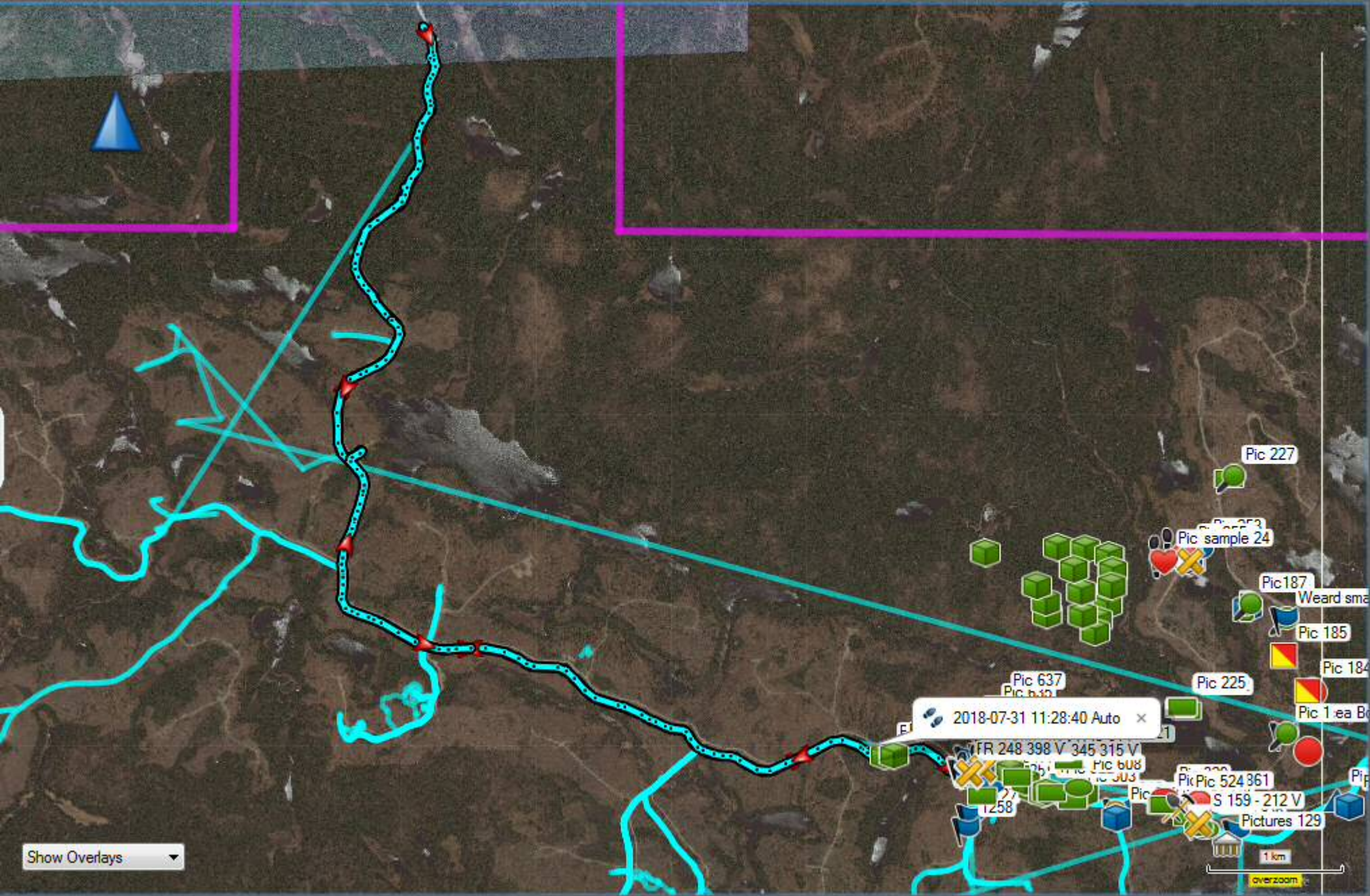


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Image © 2018 DigitalGlobe

2009

Imagery Date: 5/10/2016

17 T 503143.76 m E 5198892.



Show Overlays ▾

2018-07-31 11:28:40 Auto ×

FR 248 398 V 345 315 V

Pic 637 Pic bus

S 159 - 212 V

Pic 524 361

Pictures 129

Pic 227

Pic sample 24

Pic 187

Weard sma

Pic 185

Pic 184

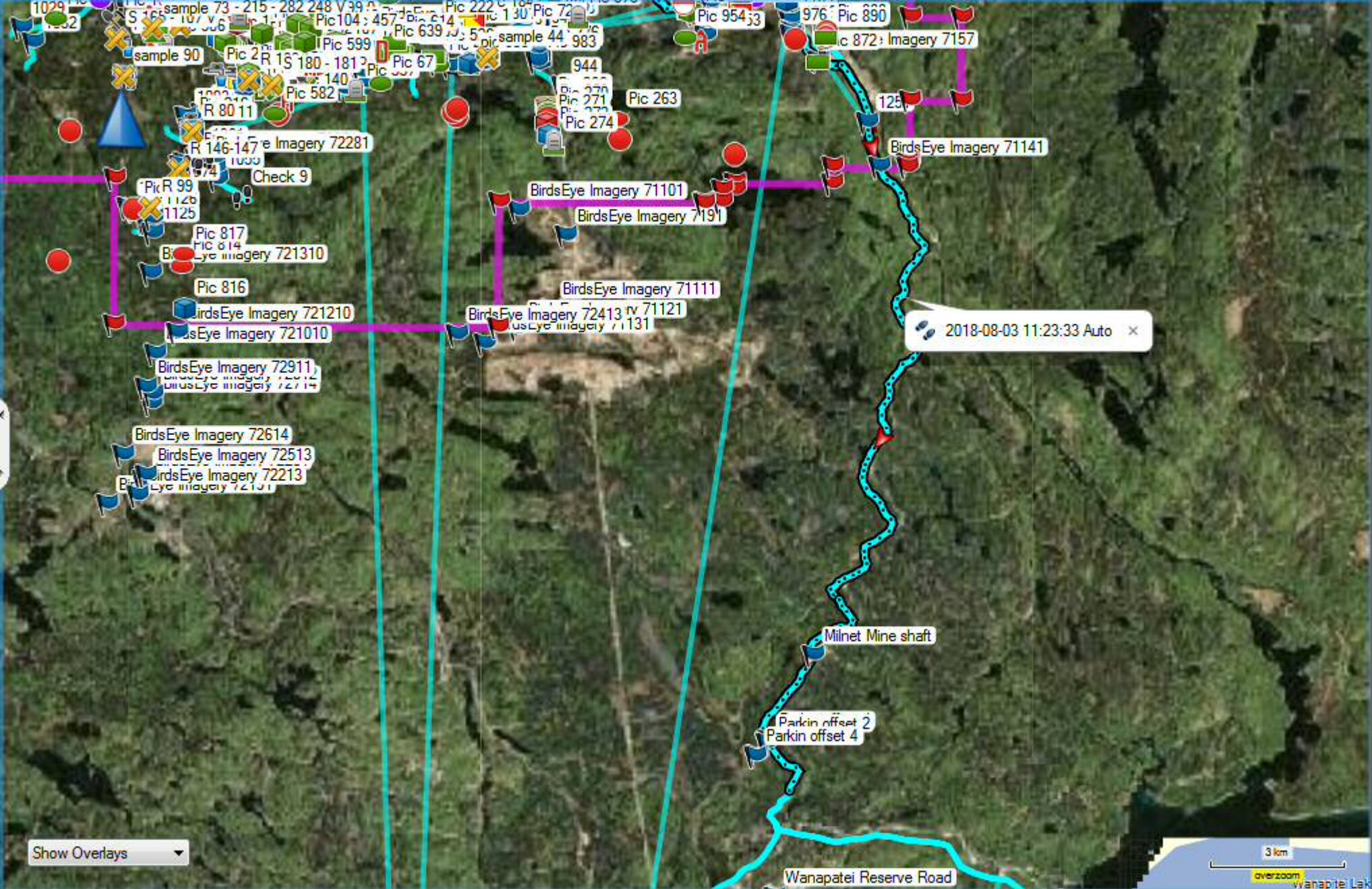
Pic 1 ea B

Pic 225

Pic 1

1 km

overzoom



Show Overlays

2018-08-03 11:23:33 Auto

Milnet Mine shaft

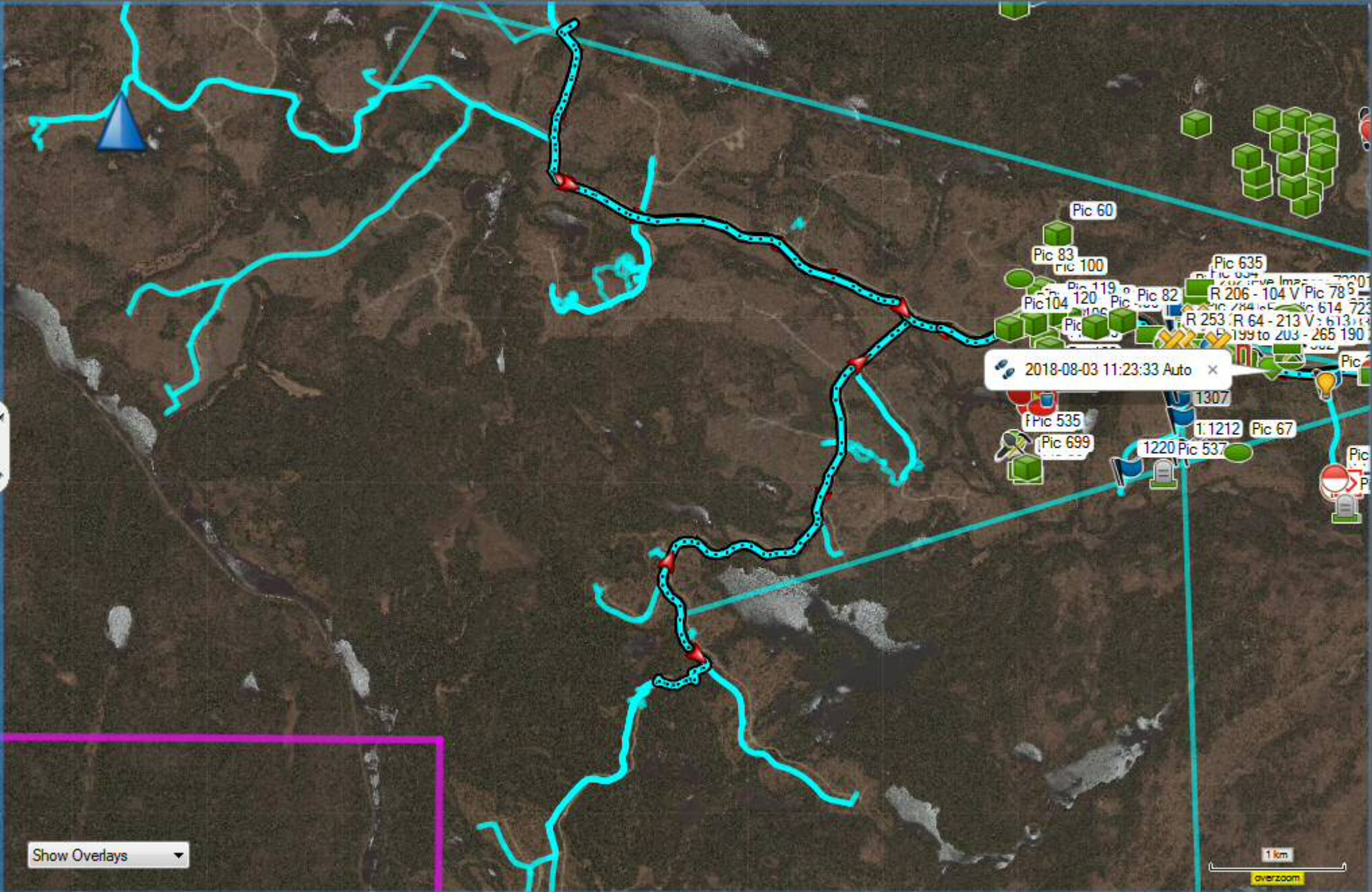
Parkin offset 2  
Parkin offset 4

Wanapatei Reserve Road

3 km

overzoom

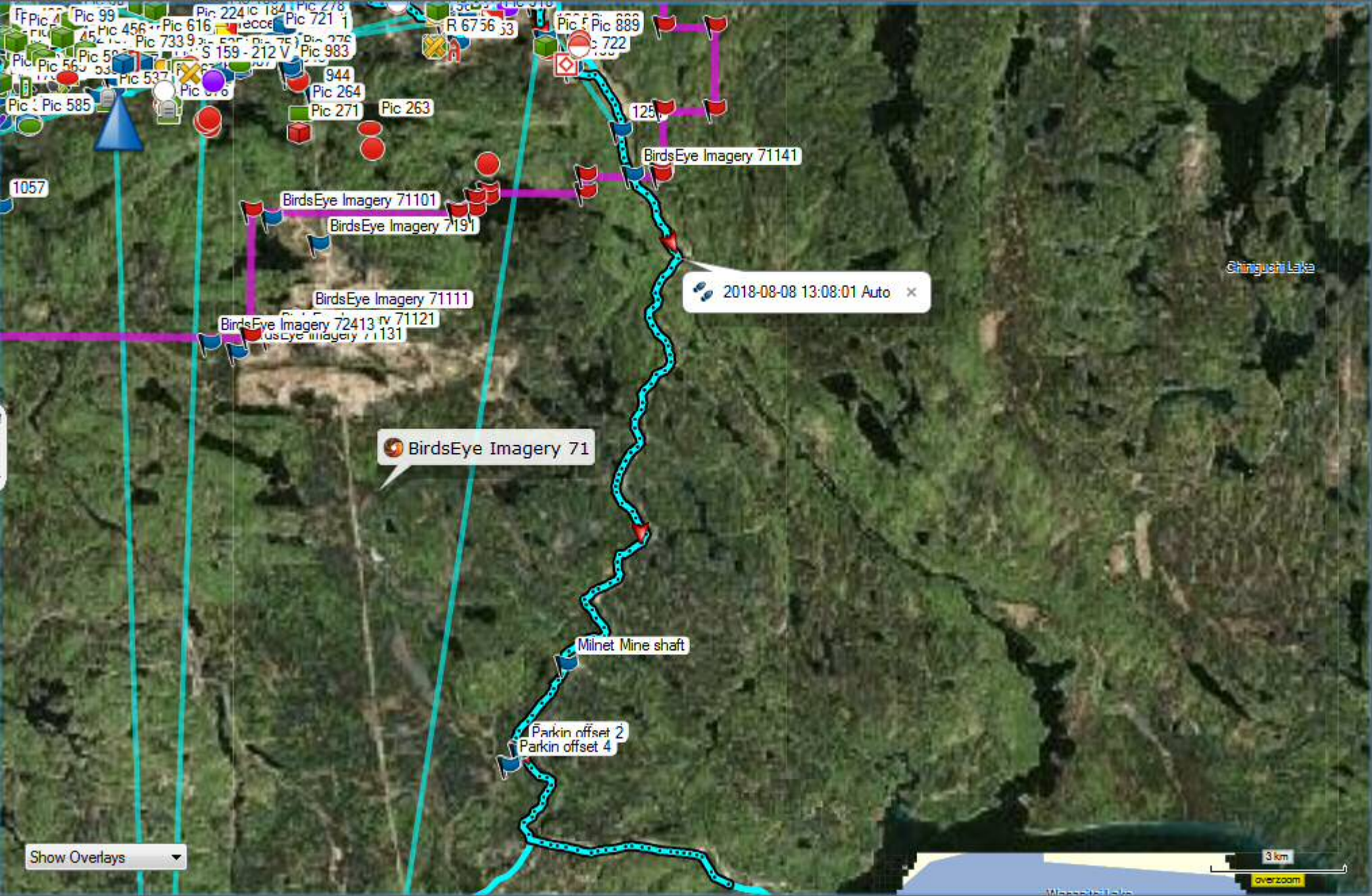




Show Overlays ▾

1 km

overzoom



Show Overlays

2018-08-08 13:08:01 Auto x

BirdsEye Imagery 71

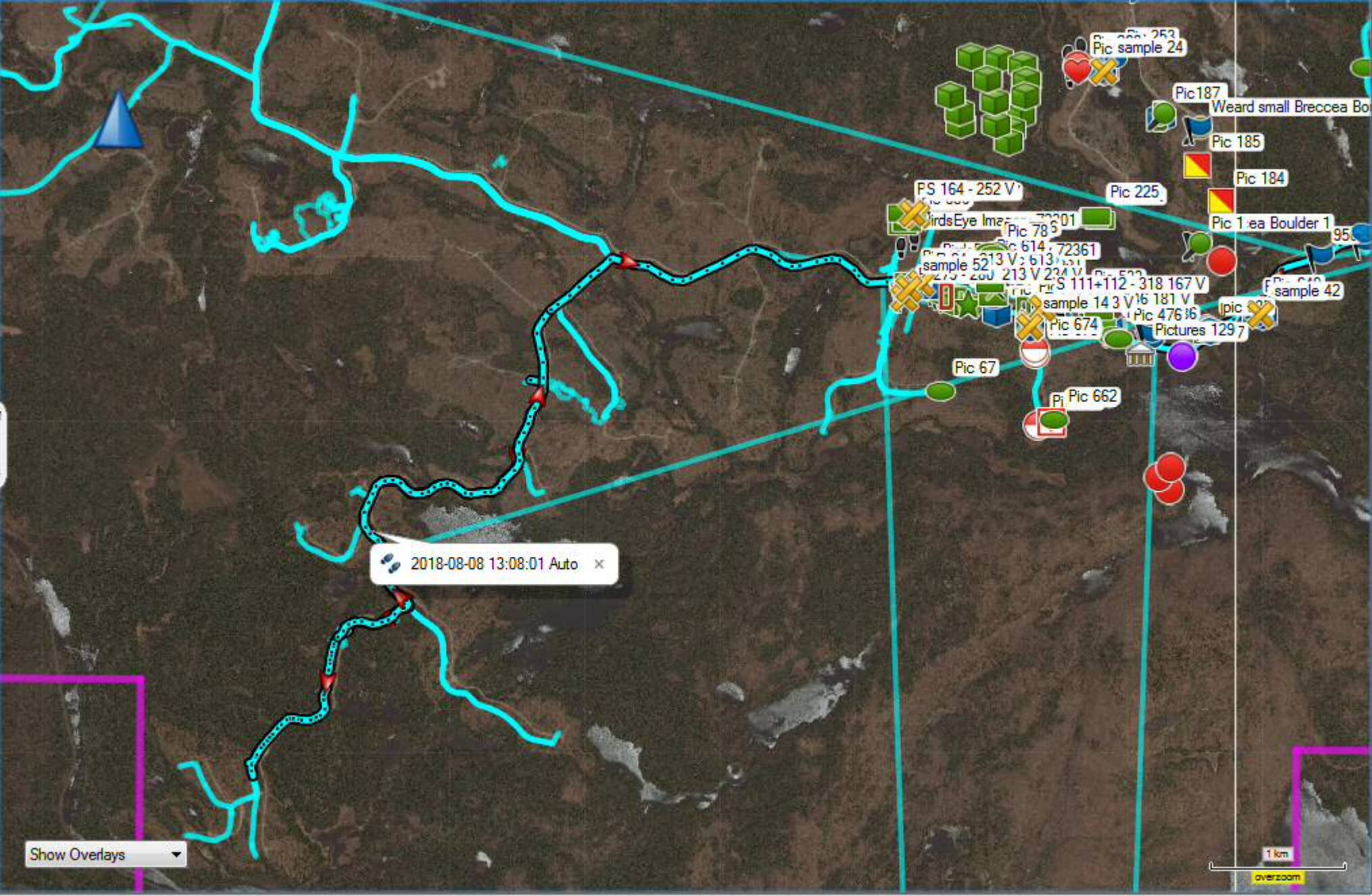
Milnet Mine shaft

Parkin offset 2  
Parkin offset 4

Chingushi Lake

3 km

overzoom



Pic sample 24

Pic187 Weard small Breccia Bo

Pic 185

Pic 184

Pic 1 ea Boulder 1

FS 164 - 252 V

Pic 225

BirdsEye Image 72301

Pic 78

Pic 614 72361

sample 52 213 V 613 V

sample 143 V 16181 V

Pic 674

Pic 476 16

Pic 610

sample 42

Pic 67

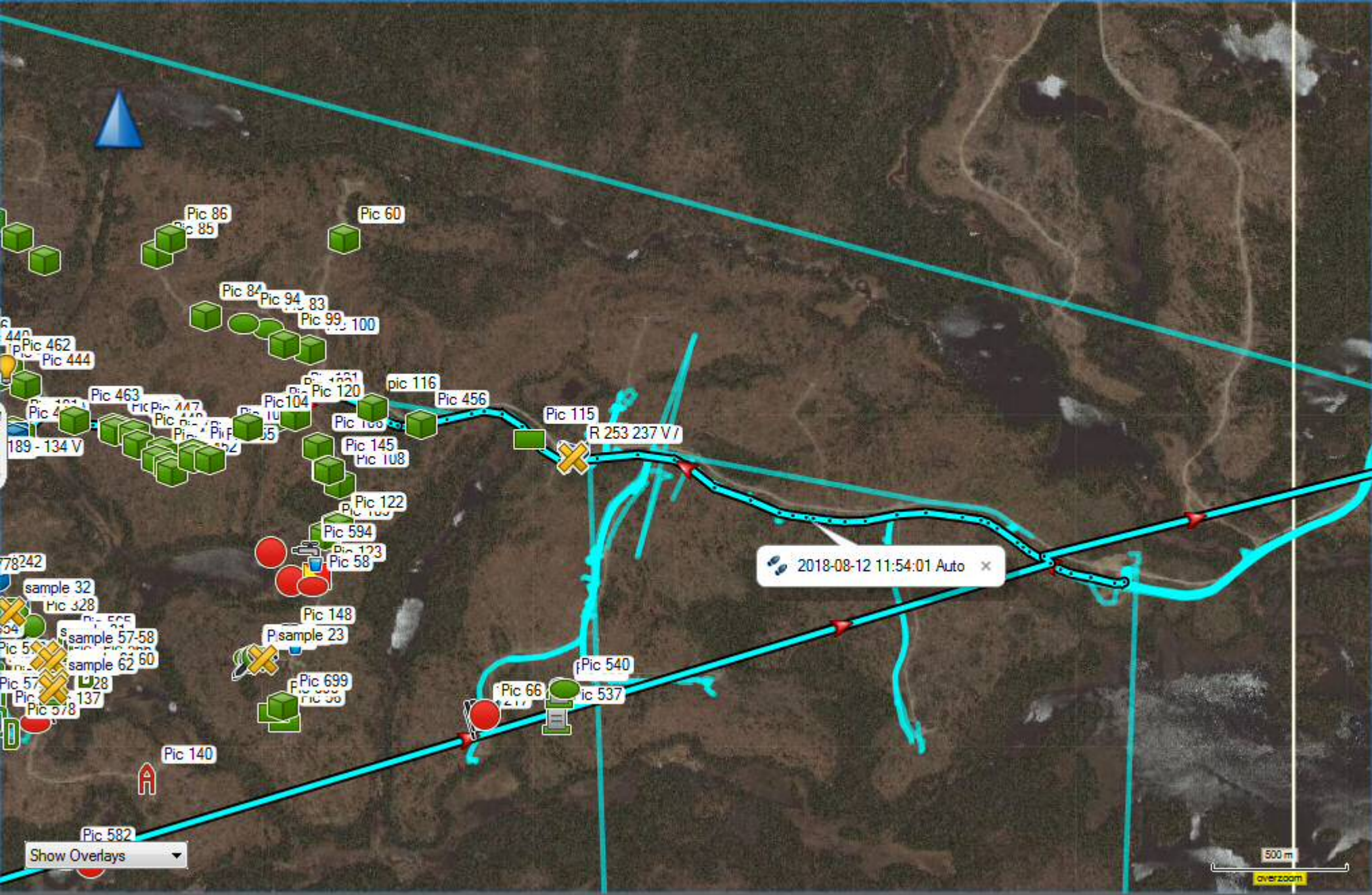
Pic 662

2018-08-08 13:08:01 Auto

Show Overlays

1 km

overzoom



2018-08-12 11:54:01 Auto x

Show Overlays

500 m  
overzoom



Pic 60

PPic 96  
S 113 - 134 V  
Pic 100

Pic 119

Pic 120

Pic 104

Pic 106

Pic 1

Pic 450

Pic 82

Pic 677 37

Pic 636

Pic 84

Pic 280

Pic 284

R 253 237 sample

Pic 733

2018-08-12 11:54:01 Auto x

Pic 594

Pic 58

Pic 148

Sample 23

Pic 699

Pic 126

1307

1210

Pic 540

Pic 537

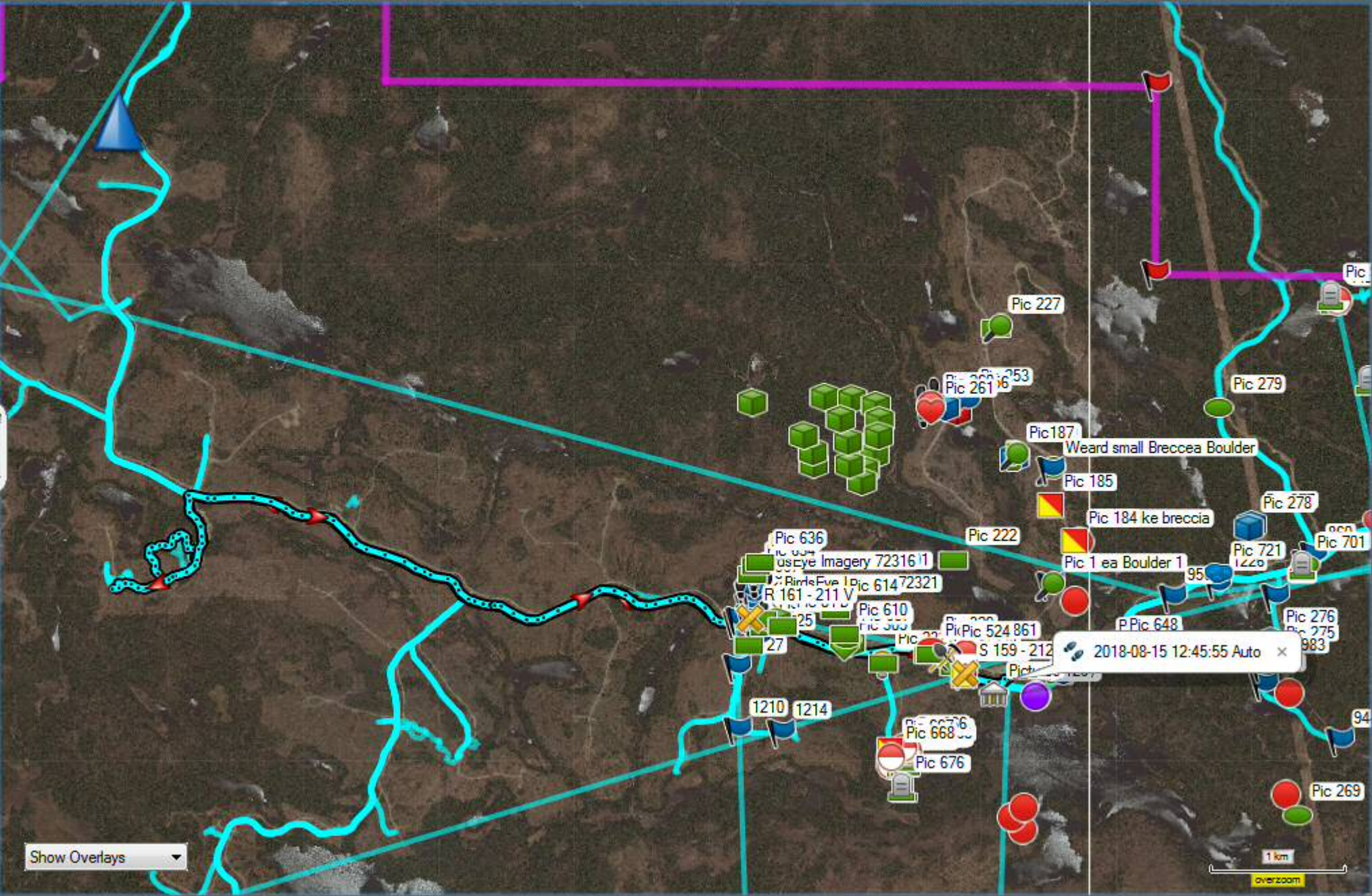
1214

122

Show Overlays

700 m

overzoom



Pic 227

Pic 261 253

Pic 187

Weard small Breccia Boulder

Pic 185

Pic 184 ke breccia

Pic 278

Pic 636

Pic 222

Pic 1 ea Boulder 1

Pic 721

Pic 701

uscy Imagery 7231611

R 161 - 211 V

Pic 610

Pic 300

Pic 524 861

Pic 1 ea Boulder 1

Pic 721

Pic 648

Pic 276

Pic 275

Pic 983

2018-08-15 12:45:55 Auto

1210 1214

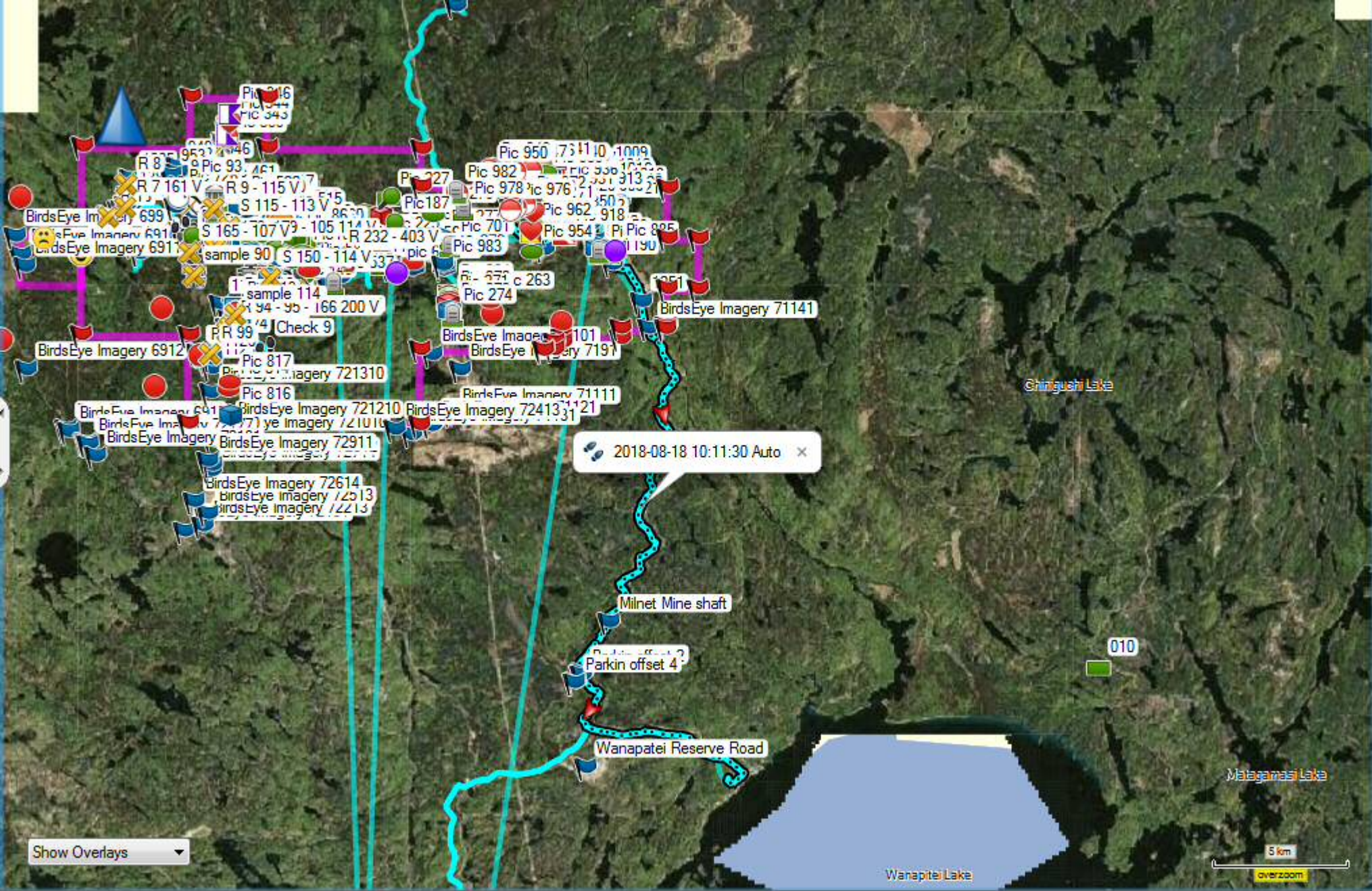
Pic 668

Pic 676

Pic 269

Show Overlays

1 km  
overzoom



Pic 116  
Pic 10344  
Pic 343

R 8  
Pic 93

Pic 950 7311 10 1009  
Pic 982  
Pic 978  
Pic 976  
Pic 962 918

BirdsEye Imagery 699  
BirdsEye Imagery 691  
BirdsEye Imagery 691

R 7 161 V  
R 9 - 115 V  
S 115 - 113 V  
S 165 - 107 V  
S 150 - 114 V

Pic 227  
Pic 187  
Pic 701  
Pic 983

Pic 895  
Pic 825  
Pic 851

BirdsEye Imagery 6912

R 99  
Check 9  
Pic 817

BirdsEye Imagery 7197

BirdsEye Imagery 71141

BirdsEye Imagery 641  
BirdsEye Imagery 72271  
BirdsEye Imagery 72911

BirdsEye Imagery 72614  
BirdsEye Imagery 72613  
BirdsEye Imagery 72613

BirdsEye Imagery 71111  
BirdsEye Imagery 72413  
BirdsEye Imagery 72413

2018-08-18 10:11:30 Auto x

Milnet Mine shaft

Parkin offset 4

Wanapatel Reserve Road

Chingushi Lake

010

Matagamasi Lake

Wanapatel Lake

Show Overlays

5 km

overzoom

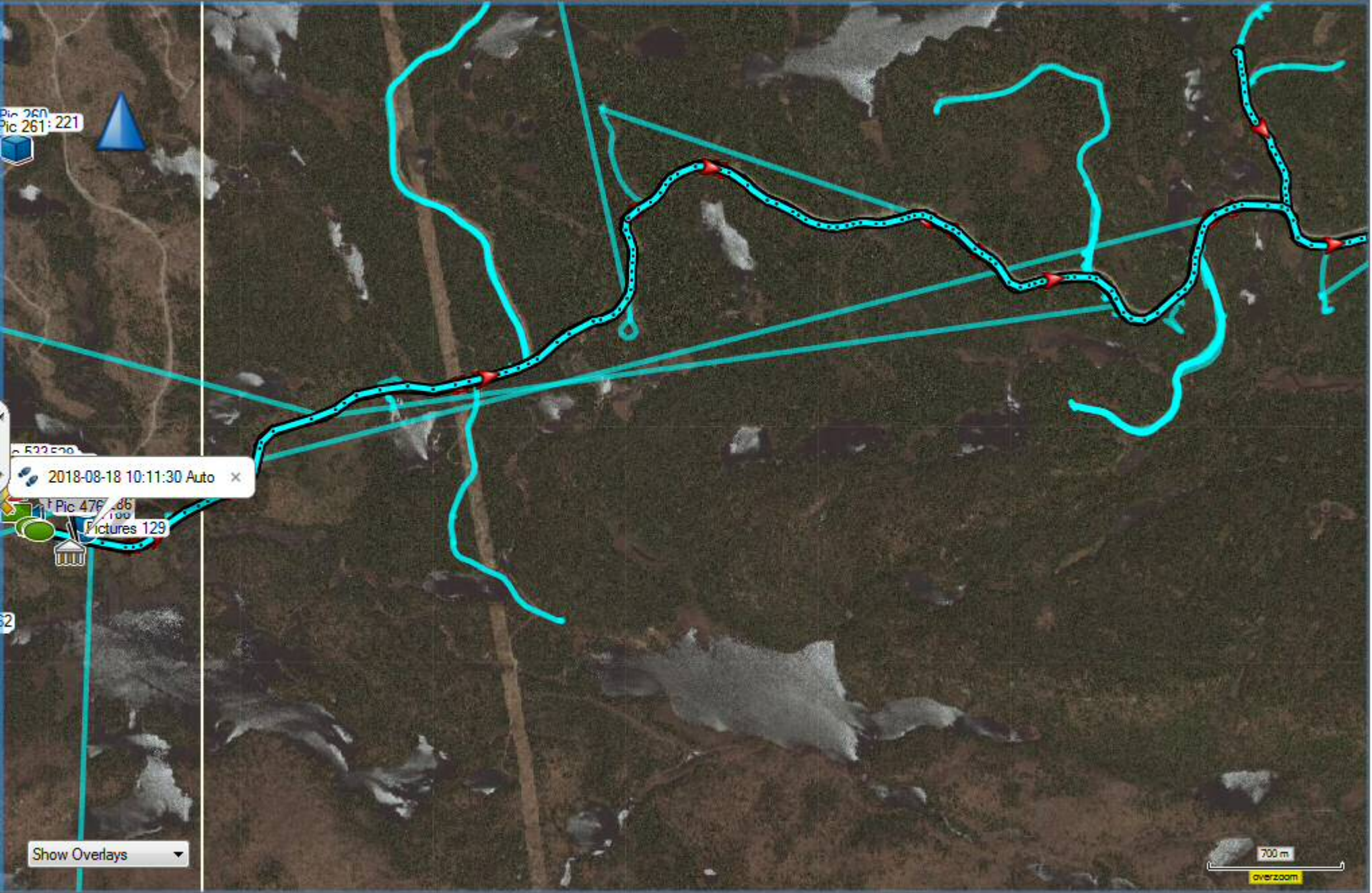
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Pic 261: 221

2018-08-18 10:11:30 Auto x

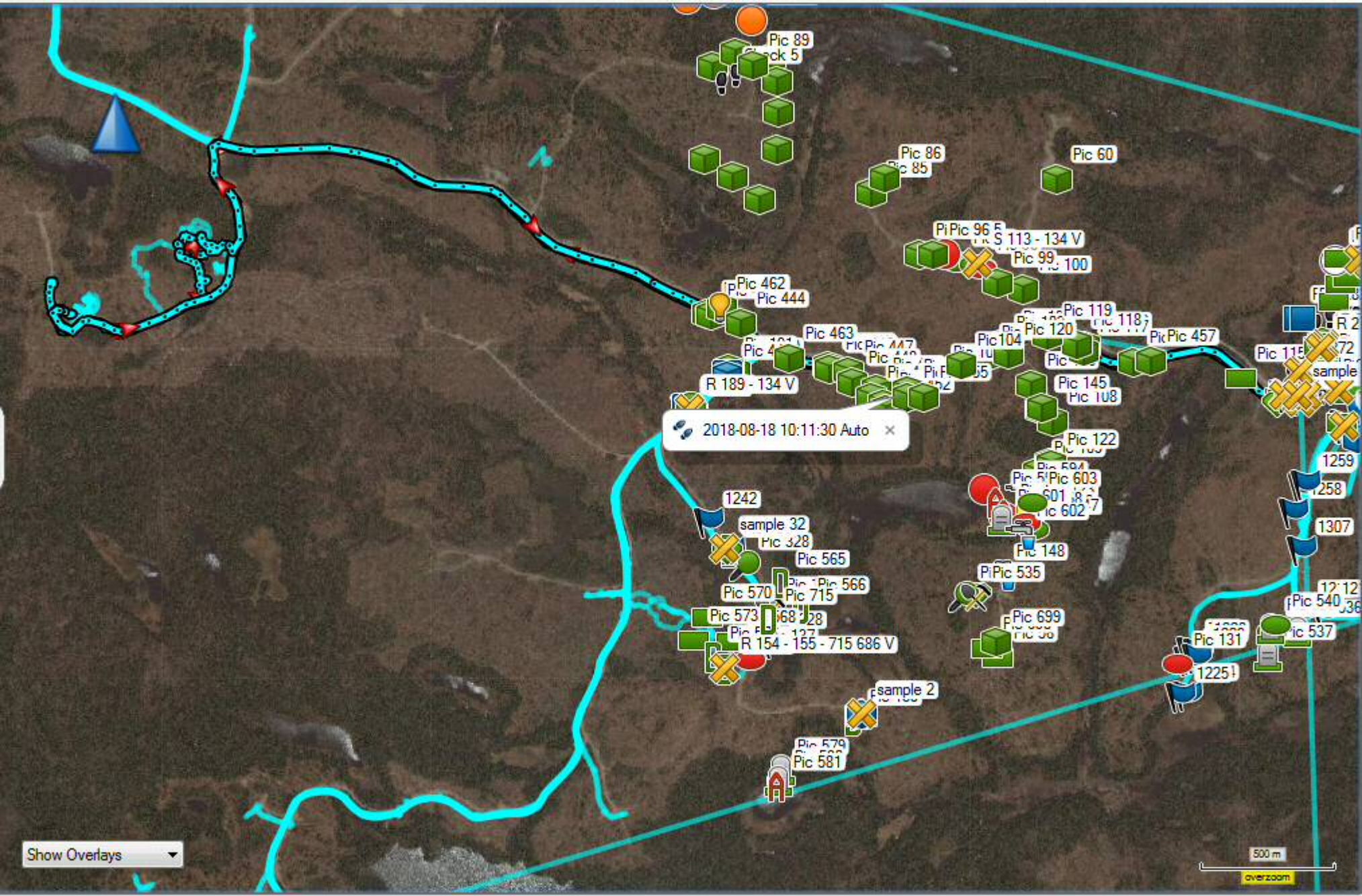
Pic 476: 86  
Pictures 129

Show Overlays ▾

700 m  
overzoom

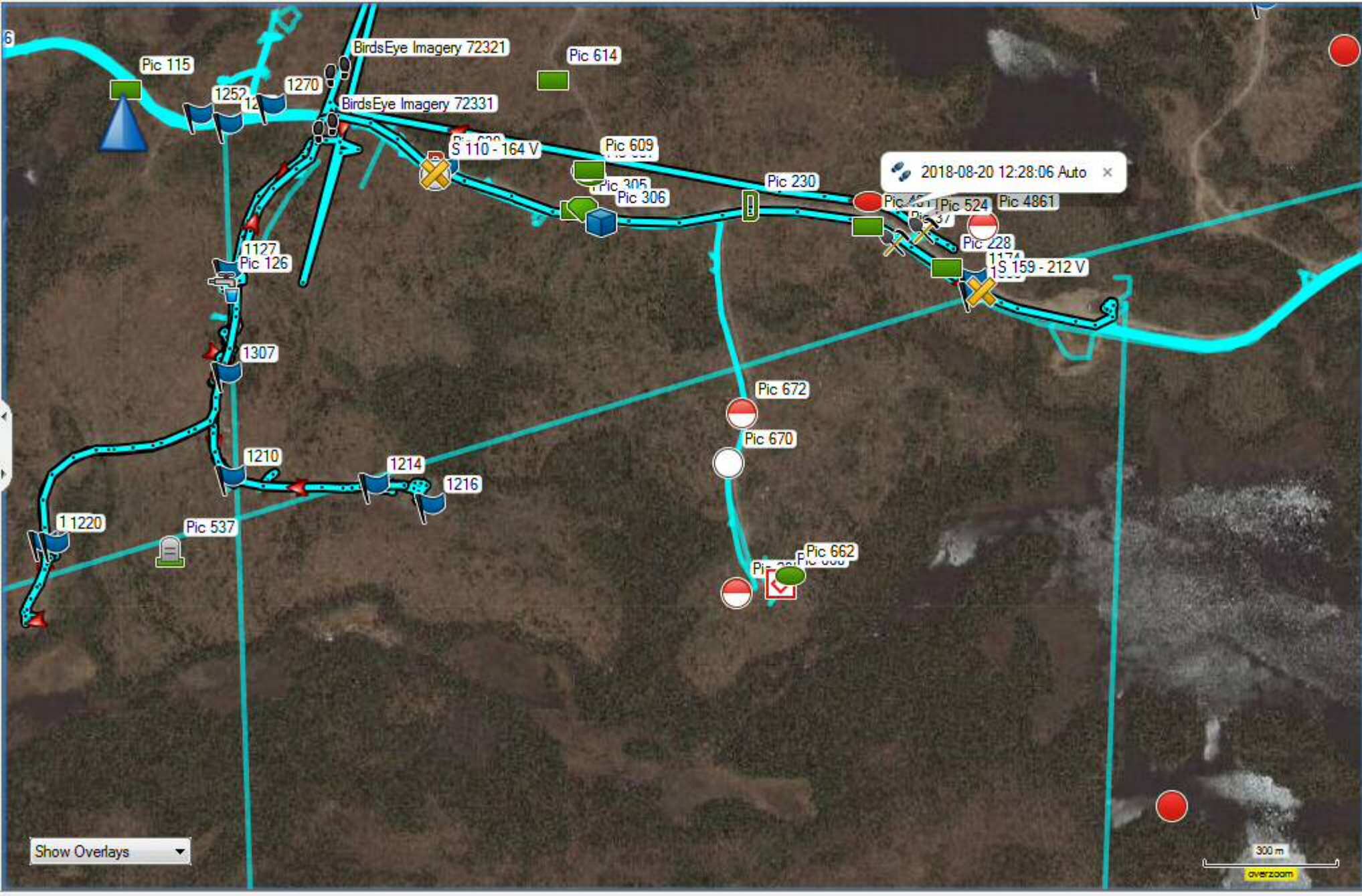






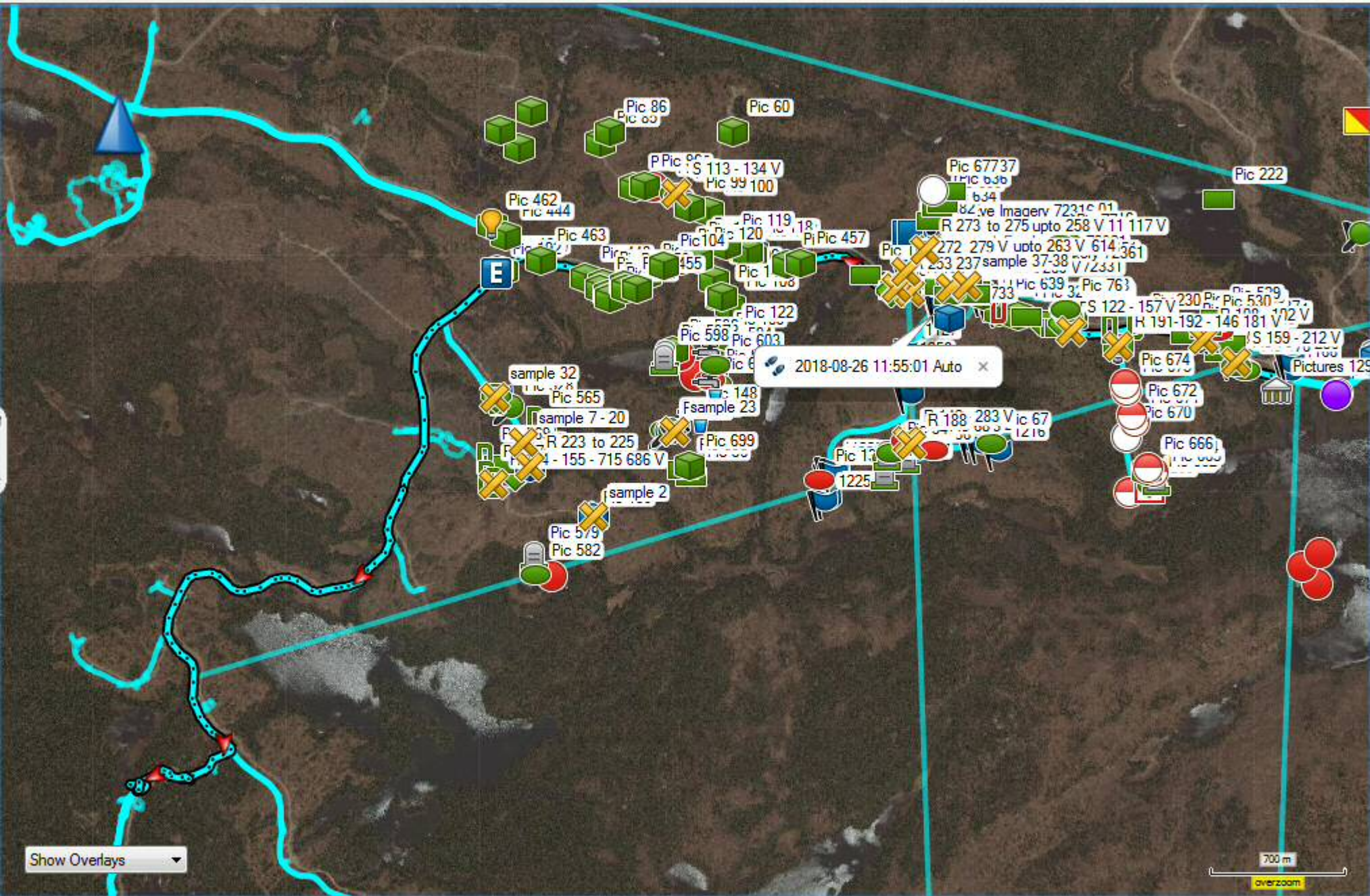
Show Overlays

500 m  
overzoom

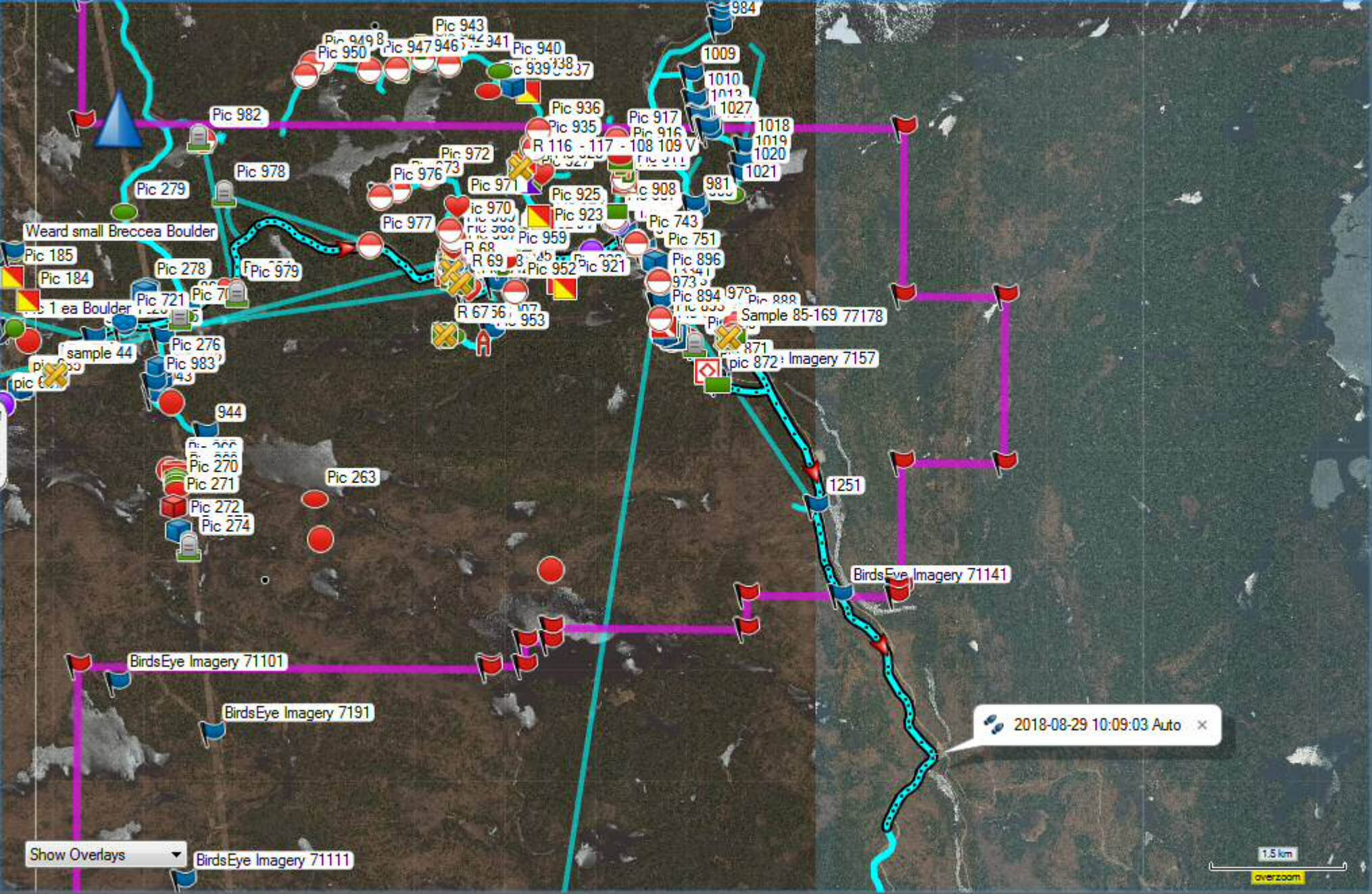








700 m  
overzoom



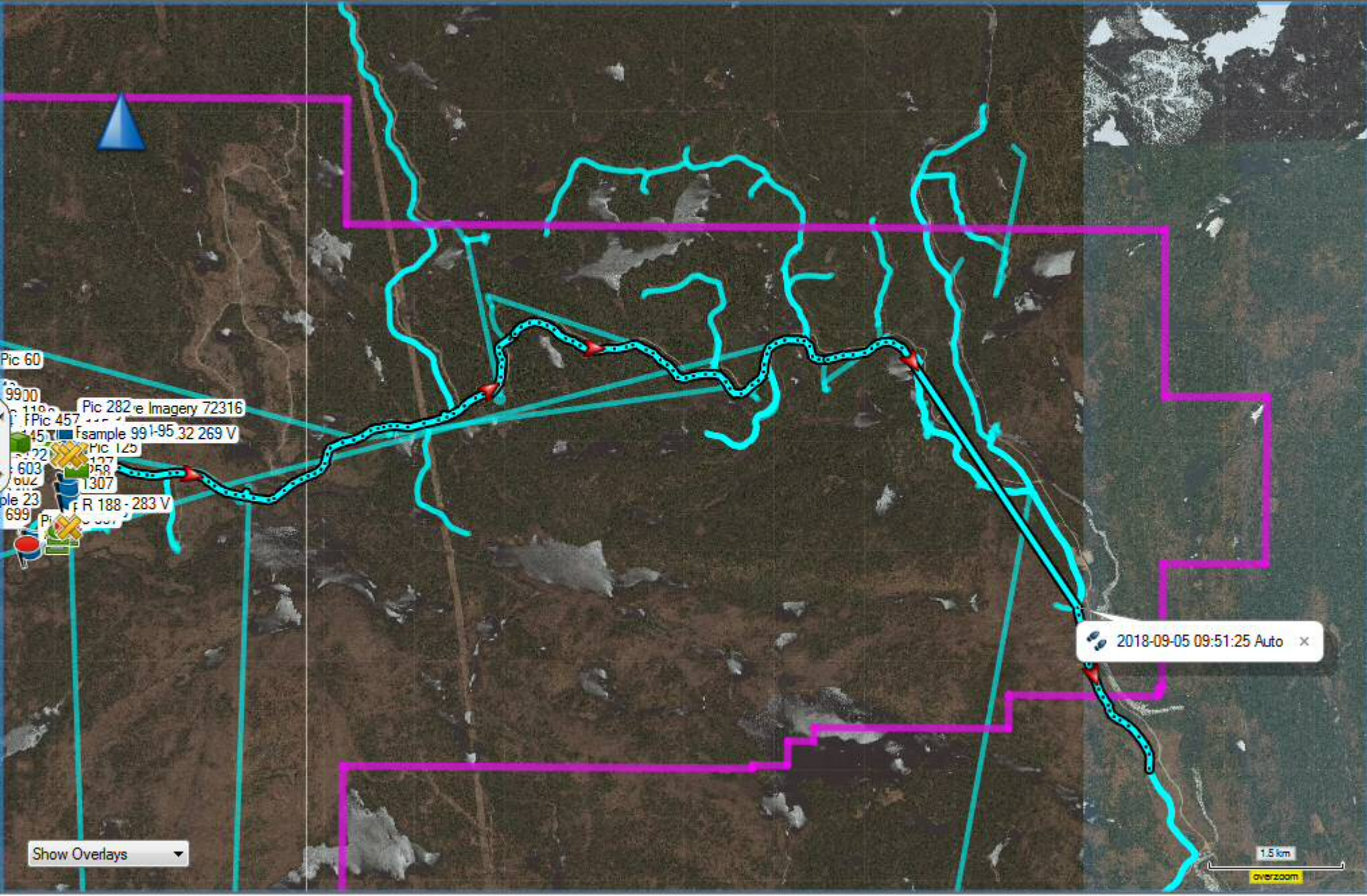
Show Overlays

BirdsEye Imagery 71111

2018-08-29 10:09:03 Auto x

1.5 km  
overzoom





Pic 60

9900

Pic 457

603

692

ple 23

699

Pic 282 e Imagery 72316

fsample 991-95 32 269 V

Pic 125

1307

R 188 - 283 V

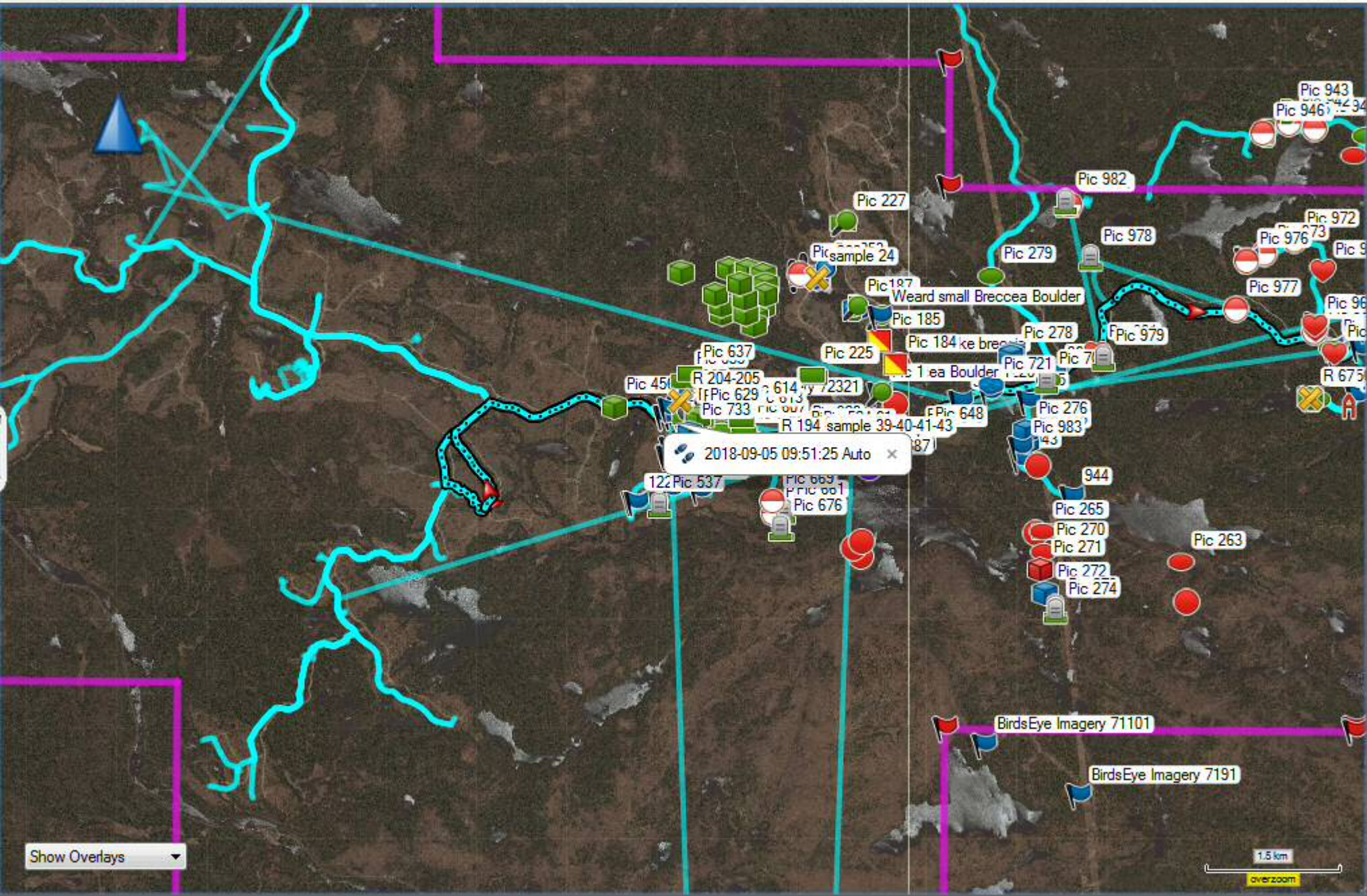
2018-09-05 09:51:25 Auto x

Show Overlays ▾

1.5 km

overzoom

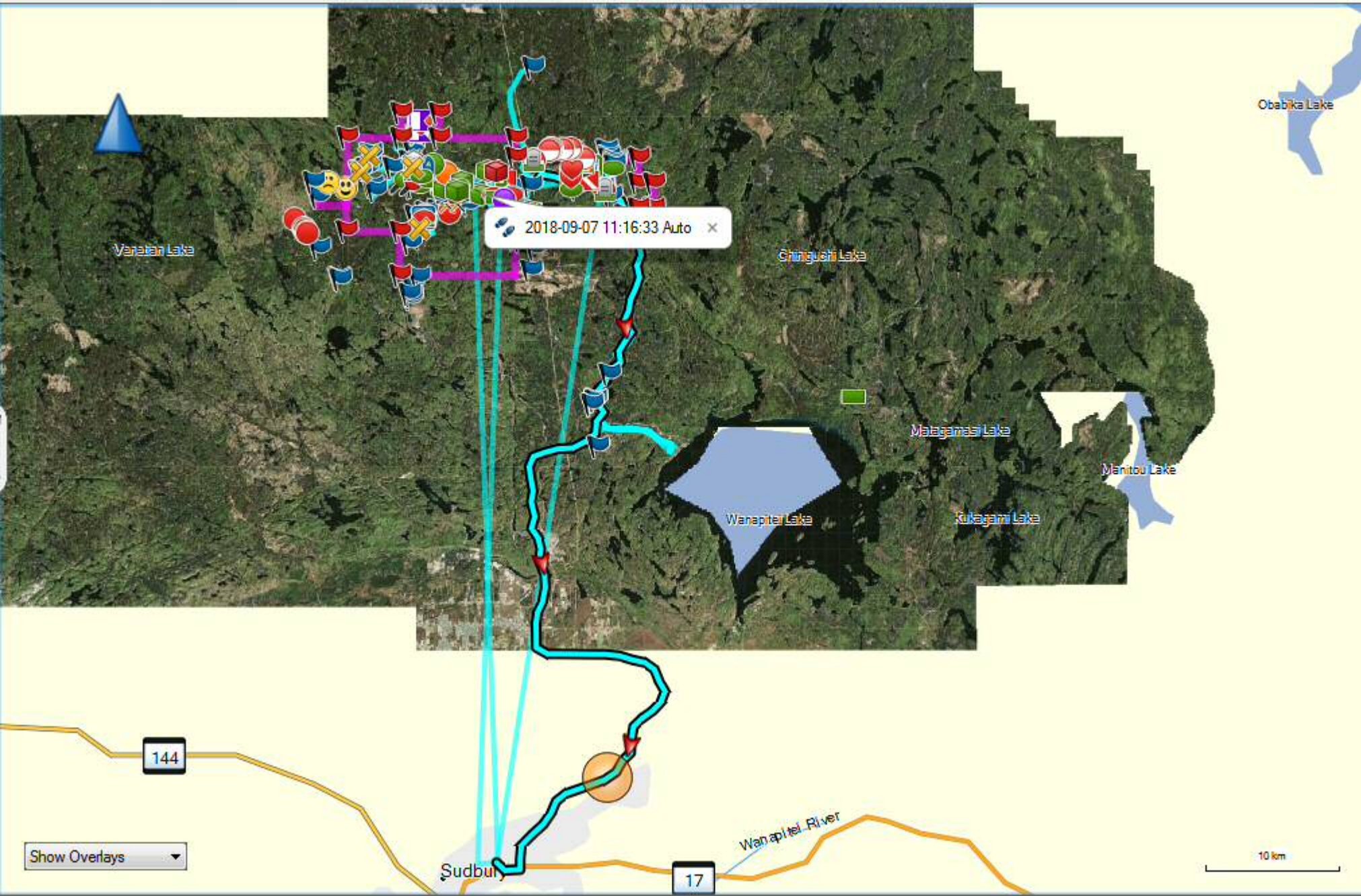




Show Overlays

1.5 km

overzoom



Obabika Lake

Varatan Lake

Chiniquah Lake

Matagamasi Lake

Manitou Lake

Wanapitei Lake

Kujagami Lake

144

Sudbury

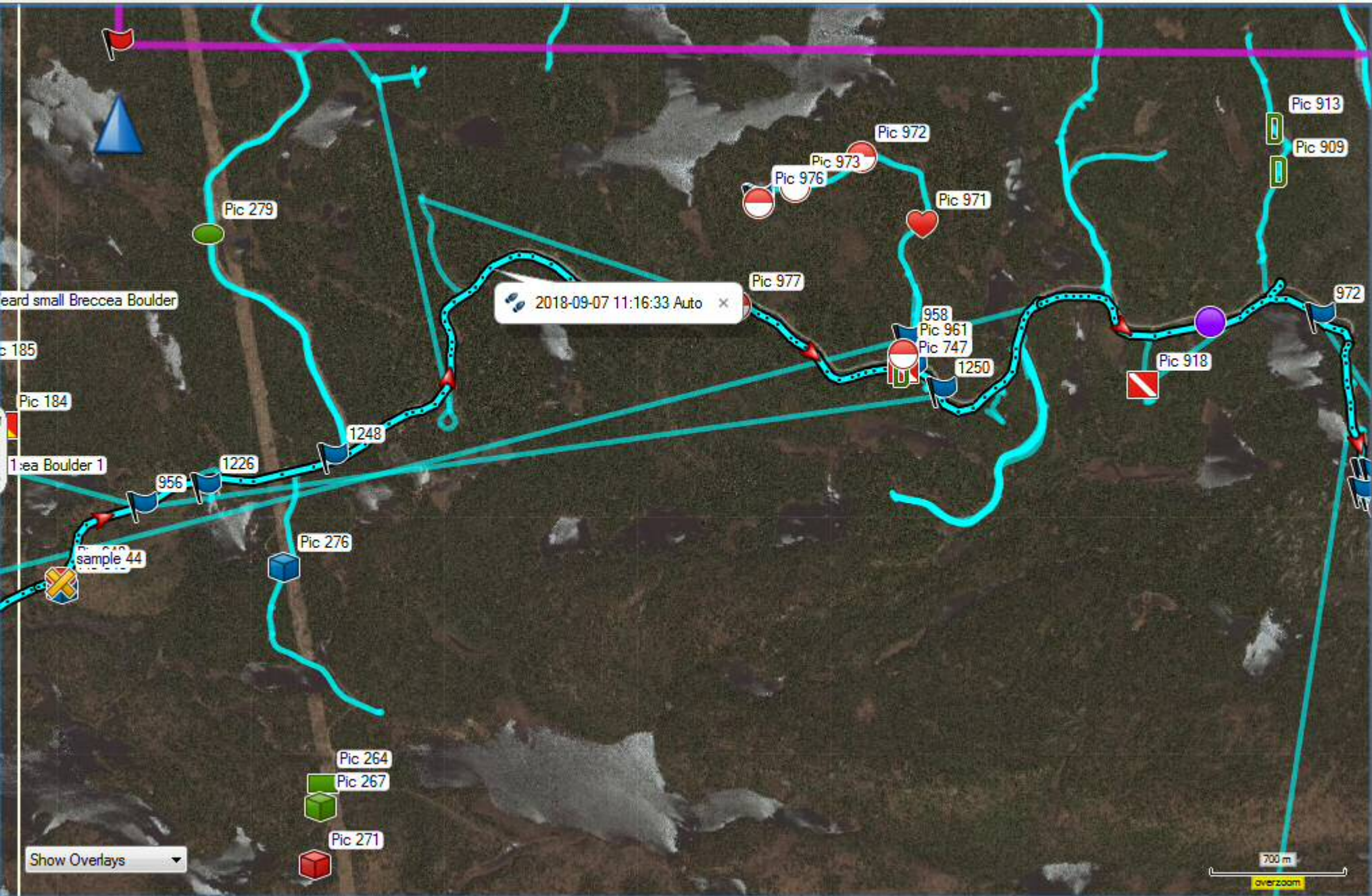
17

Wanapitei River

Show Overlays

10 km

2018-09-07 11:16:33 Auto



heard small Breccia Boulder

Pic 185

Pic 184

sea Boulder 1

sample 44

Show Overlays

Pic 279

Pic 276

Pic 264

Pic 267

Pic 271

2018-09-07 11:16:33 Auto

Pic 977

Pic 976

Pic 973

Pic 972

Pic 971

958

Pic 961

Pic 747

1250

Pic 918

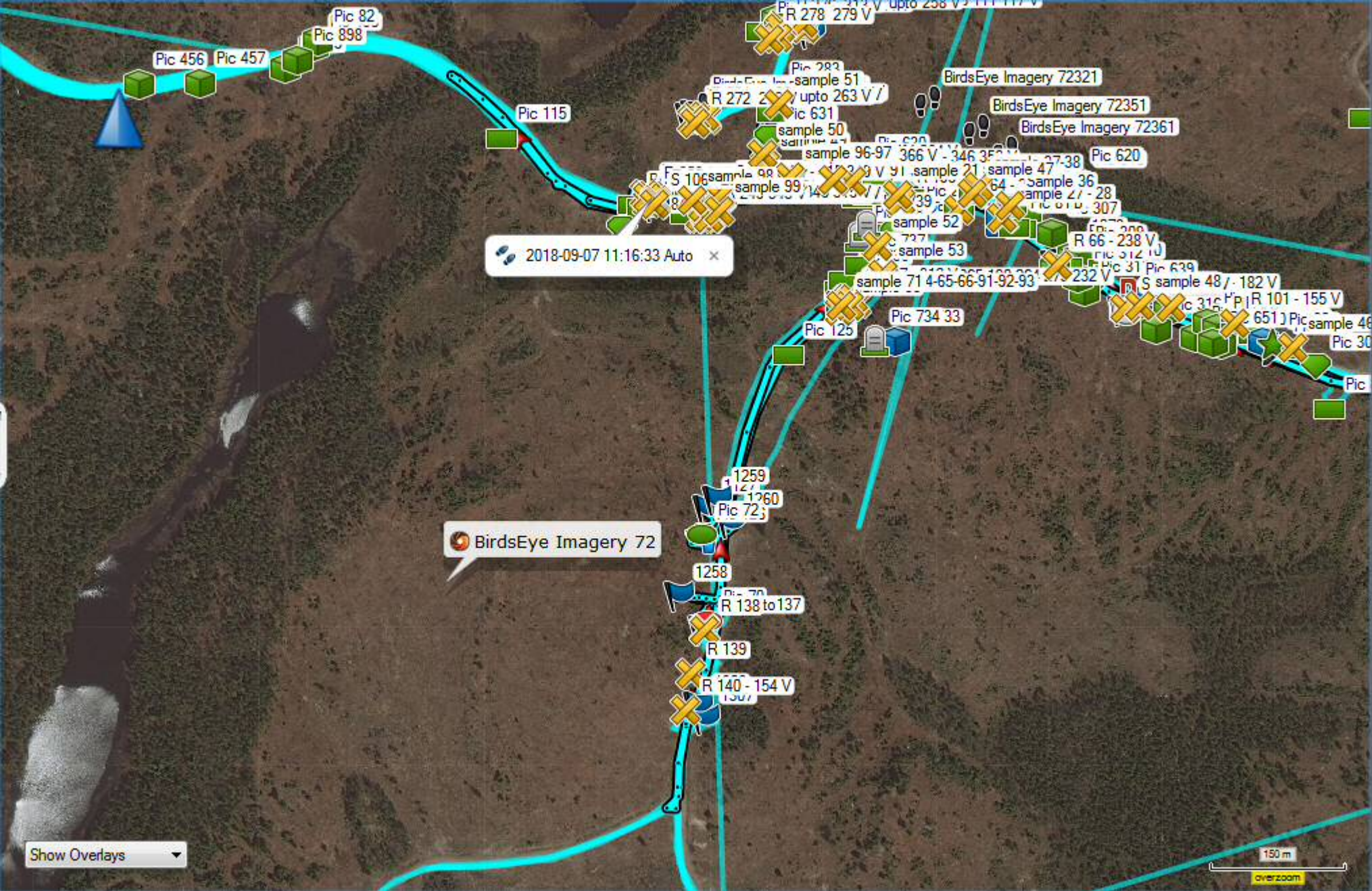
Pic 913

Pic 909

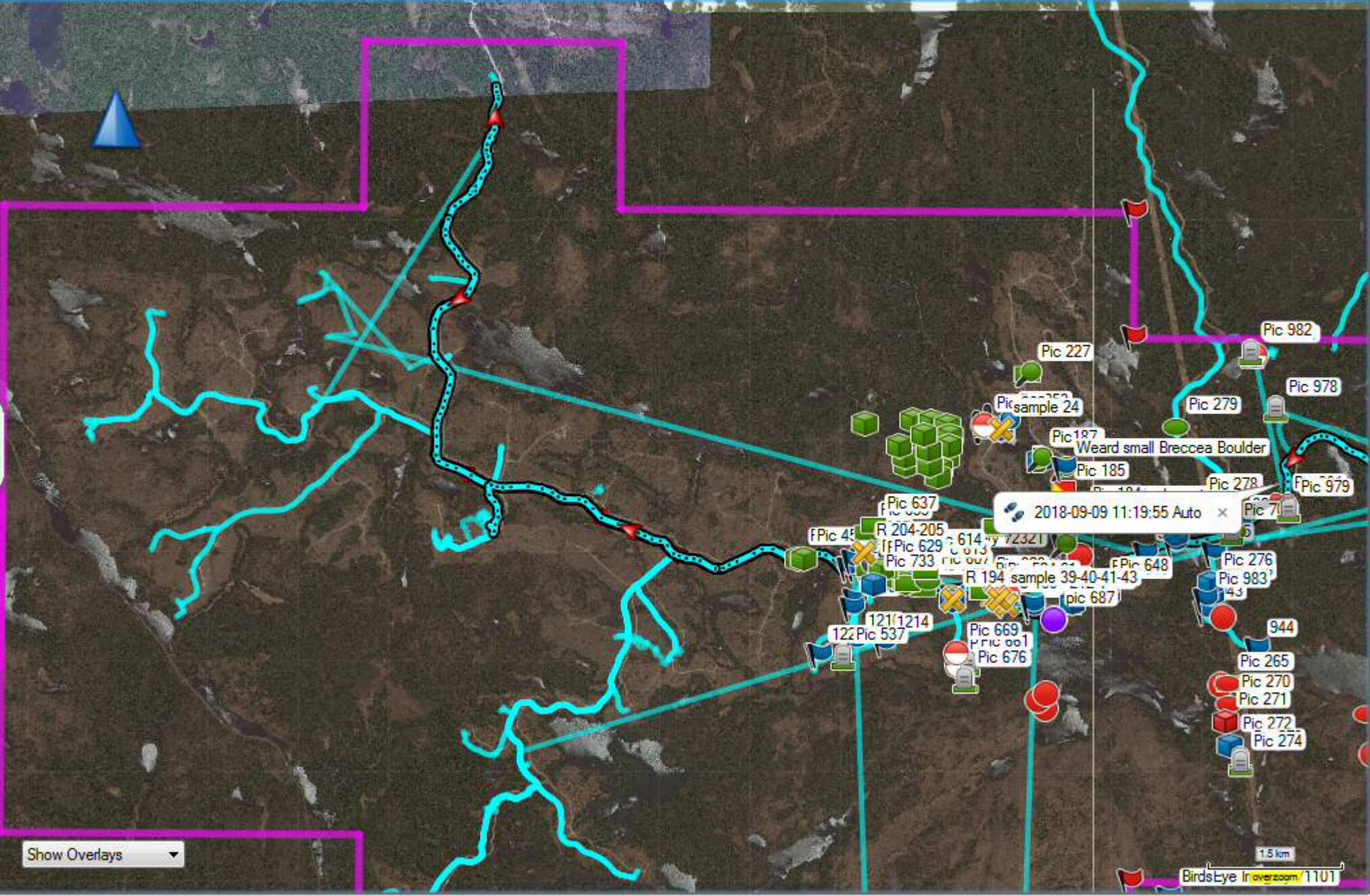
972

700 m

overzoom







Pic 227

Pic 982

Pic 978

Pic 279

Pic sample 24

Pic 187

Weard small Brececa Boulder

Pic 185

Pic 278

Pic 979

2018-09-09 11:19:55 Auto

Pic 637

Pic 45

R 204-205

Pic 614

Pic 629

Pic 733

Pic 613

R 194 sample 39-40-41-43

Pic 668

Pic 648

Pic 687

Pic 71

Pic 276

Pic 983

944

Pic 265

Pic 270

Pic 271

Pic 272

Pic 274

121

1214

122

Pic 537

Pic 669

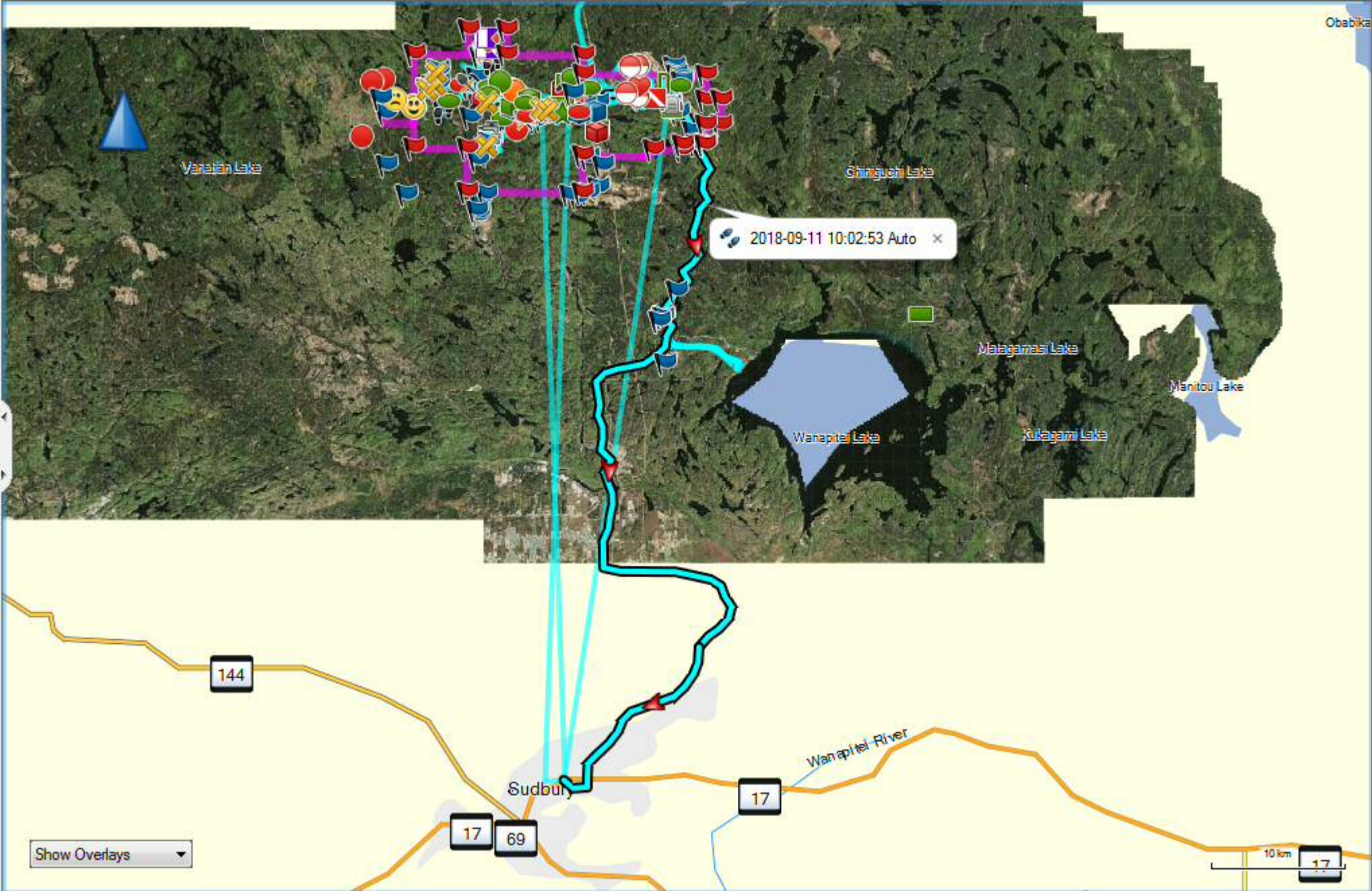
Pic 601

Pic 676

Show Overlays

1.5 km

BirdsEye Inverzoom 1101



Vanasian Lake

Chinguahji Lake

Malagamsi Lake

Manitou Lake

Wanapitei Lake

Kukagami Lake

144

17

69

17

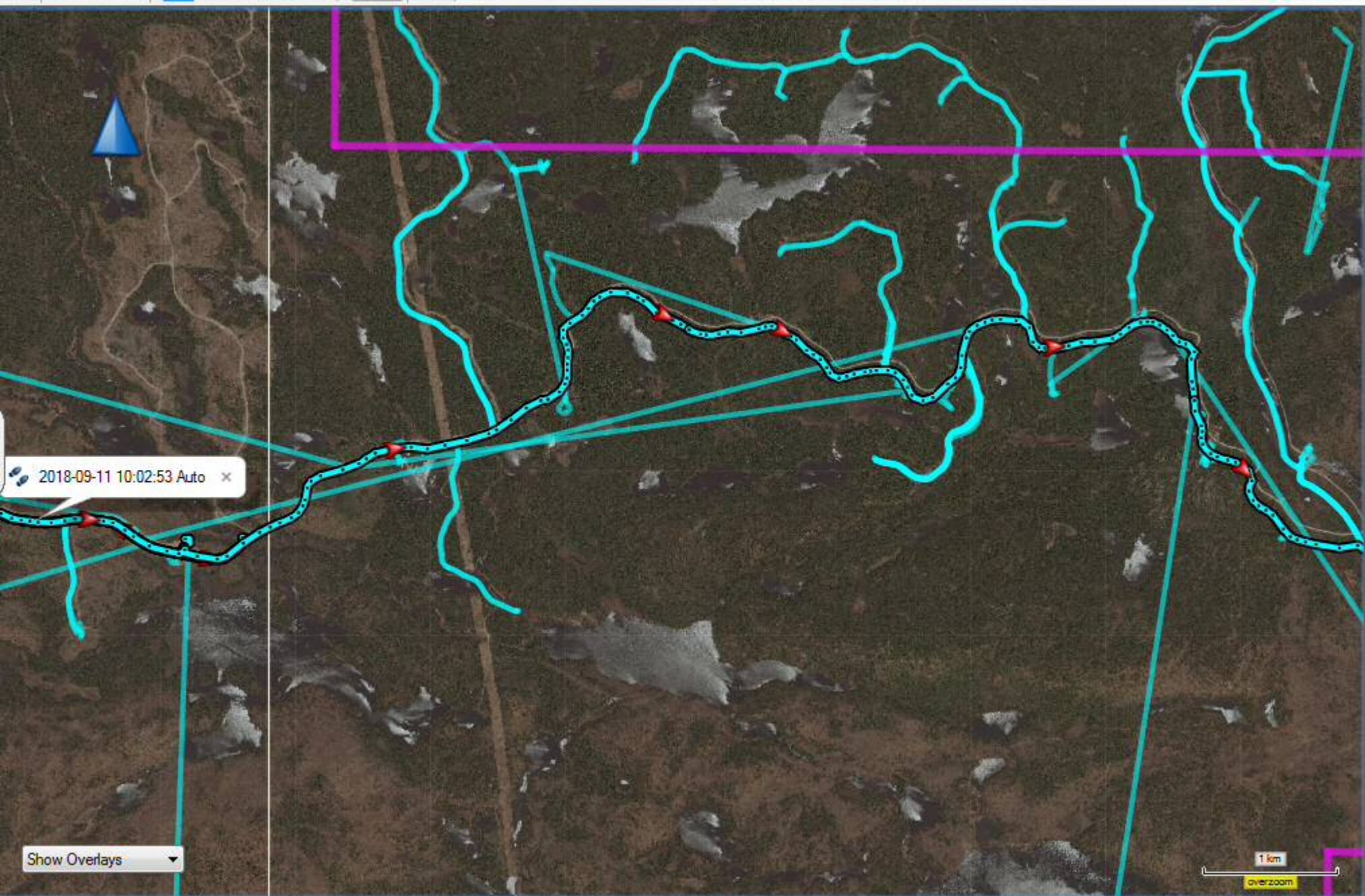
Wanapitei River

10 km

17

Show Overlays

2018-09-11 10:02:53 Auto

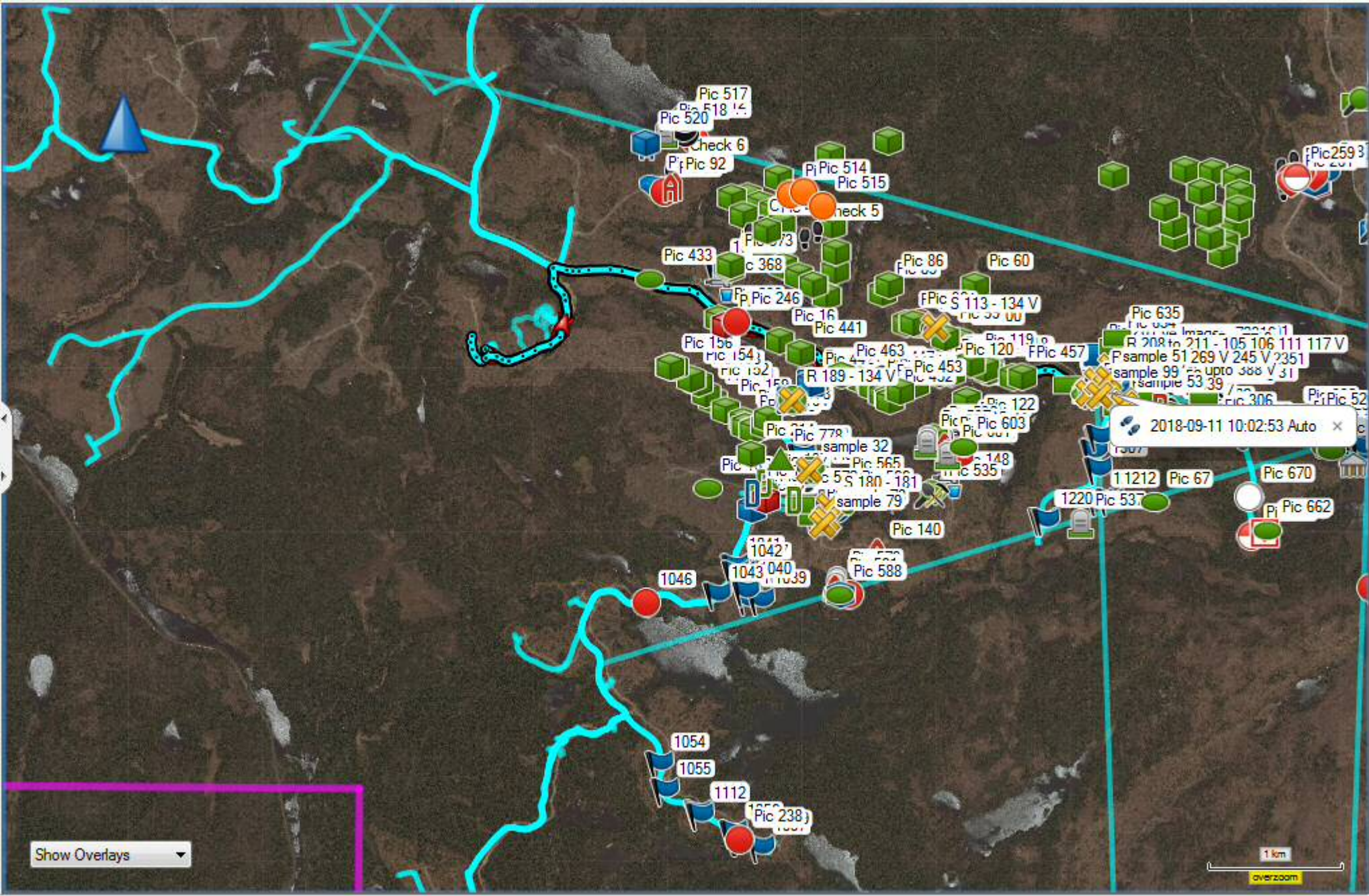


2018-09-11 10:02:53 Auto x

Show Overlays ▾

1 km  
overzoom





Show Overlays ▾

1 km

overzoom

Pic 517  
Pic 518  
Pic 520

Check 6  
Pic 92

Pic 514  
Pic 515

Pic 259

Pic 433

Pic 368

Pic 86

Pic 60

Pic 246

Pic 16  
Pic 441

FFic S 113 - 134 V  
Pic 39

Pic 635

Pic 150  
Pic 154

Pic 463

Pic 119  
Pic 120

F sample 208 to 211 - 105 106 111 117 V  
F sample 51 269 V 245 V 2351  
sample 99 up to 388 V 31  
sample 53 39

Pic 152

Pic 189 - 134 V  
Pic 452

Pic 453

Pic 457

Pic 778

Pic 122

Pic 603

2018-09-11 10:02:53 Auto X

Pic 565

Pic 535

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Pic 67

Pic 670

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Pic 588

1220 Pic 537

1054  
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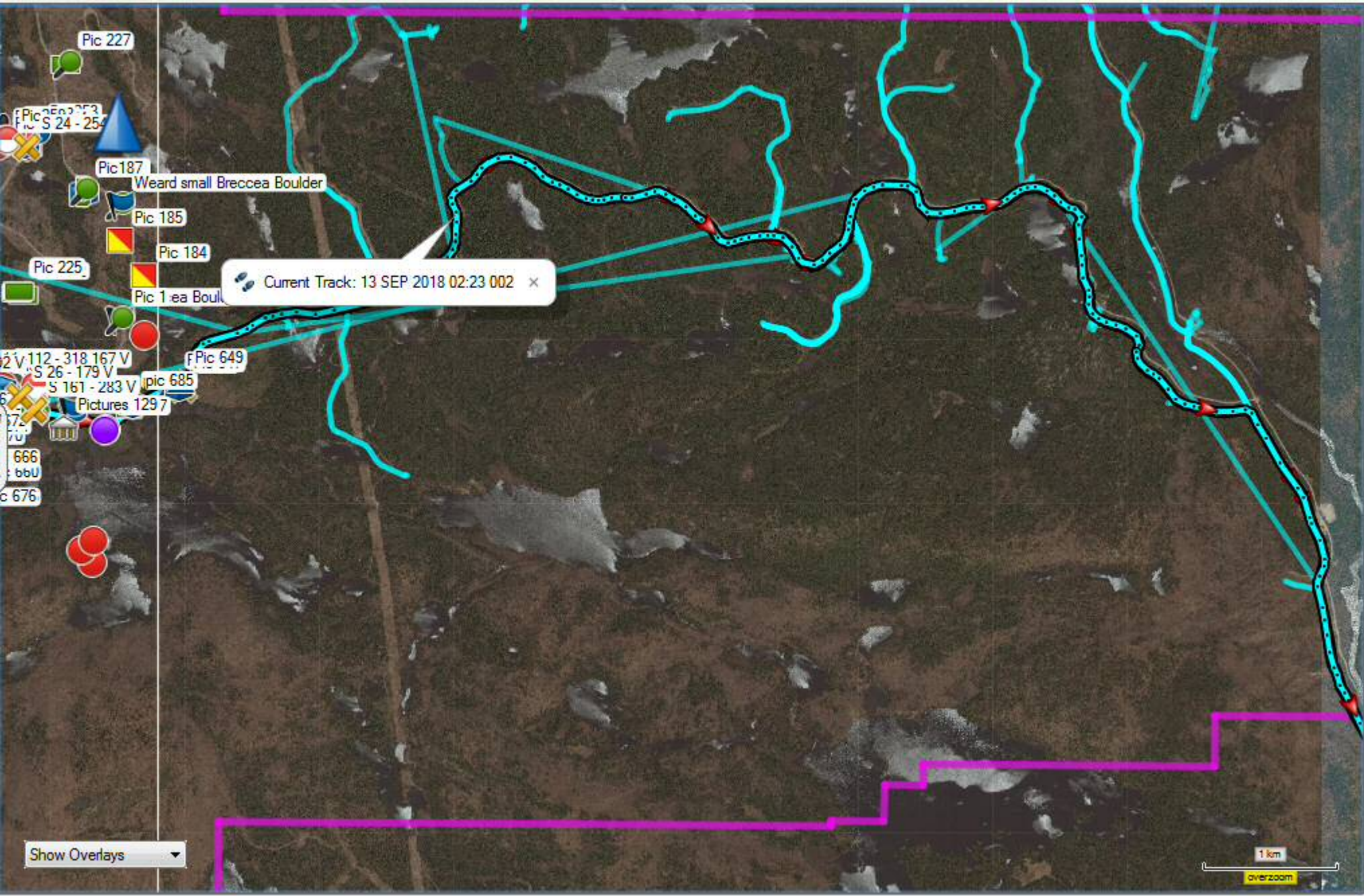
1112

Pic 238

1 km

overzoom





Pic 227

Pic 24 - 25

Pic 187

Weard small Breccia Boulder

Pic 185

Pic 184

Pic 225

Pic 1 ea Boul

Current Track: 13 SEP 2018 02:23 002 x

Pic 649

Pic 685

Pictures 1297

666

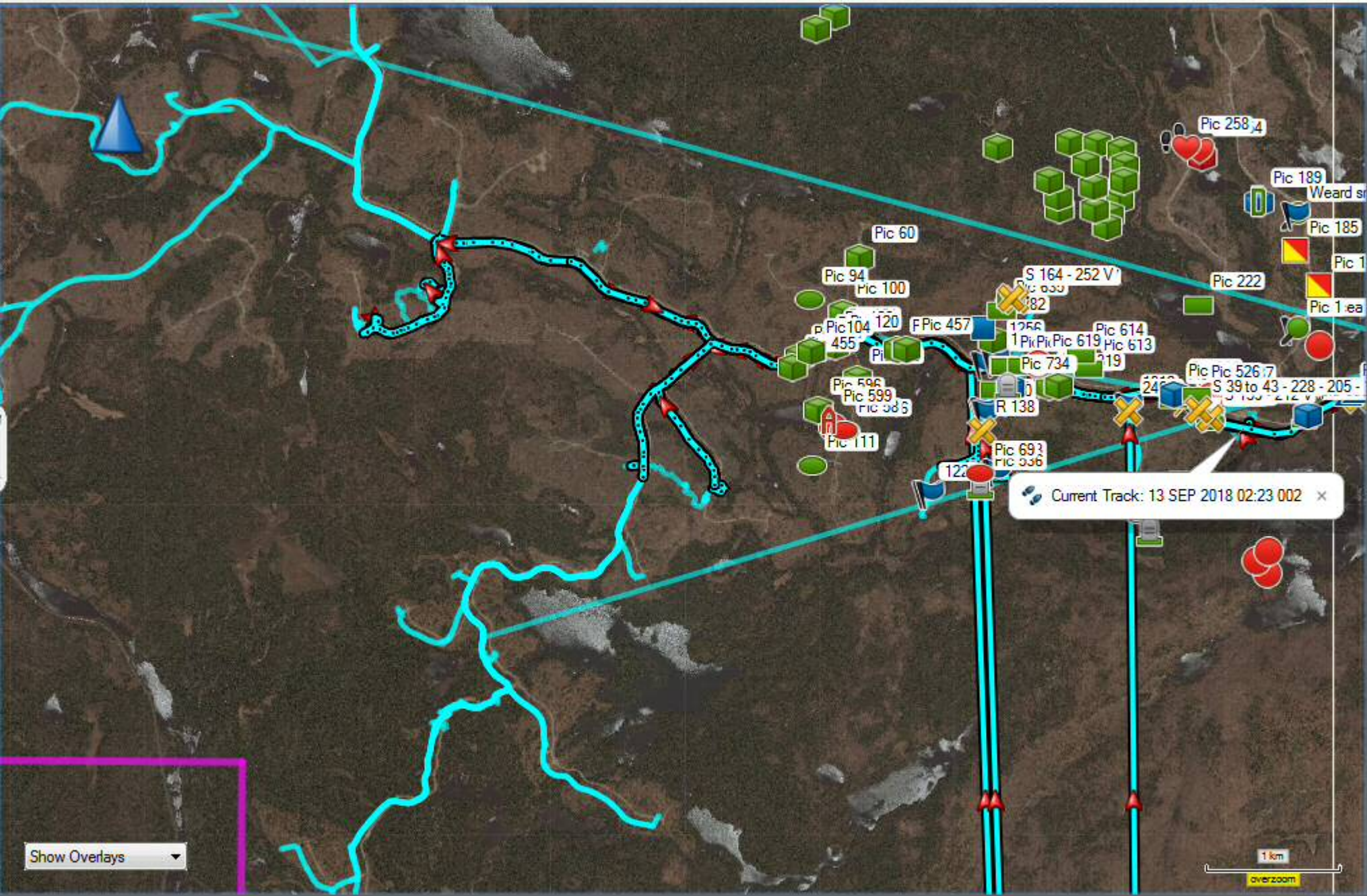
bbu

c 676

Show Overlays

1 km

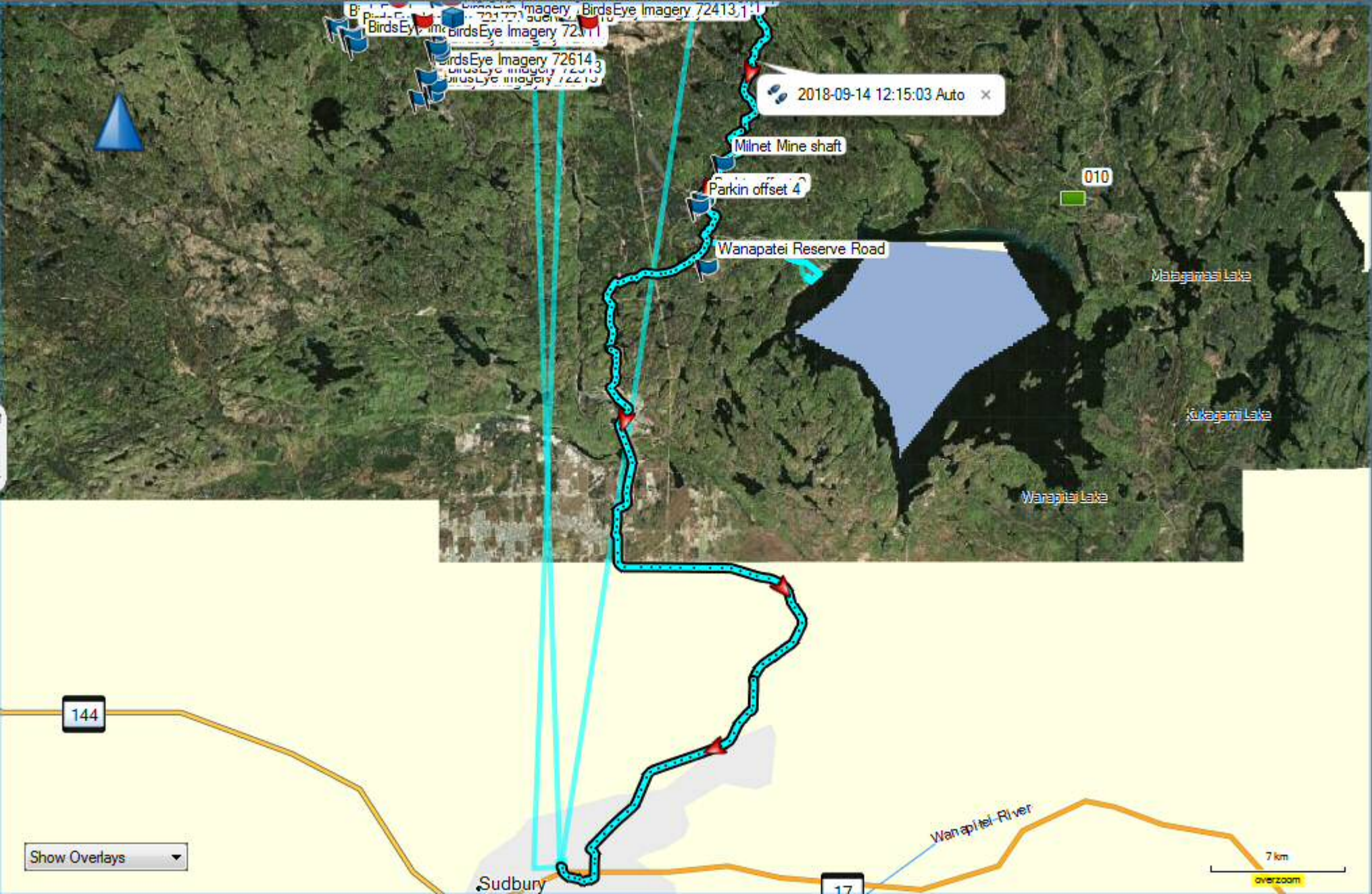
overzoom



Show Overlays

Current Track: 13 SEP 2018 02:23 002 x

1 km  
overzoom



BirdsEye Imagery 72413,11  
BirdsEye Imagery 72614  
BirdsEye Imagery 72613  
BirdsEye Imagery 72613

2018-09-14 12:15:03 Auto

Milnet Mine shaft

Parkin offset 4

Wanapatei Reserve Road

010

Matagama Lake

Kukagami Lake

Wanapatei Lake

144

Sudbury

17

Wanapatei River


7 km

overzoom

Show Overlays





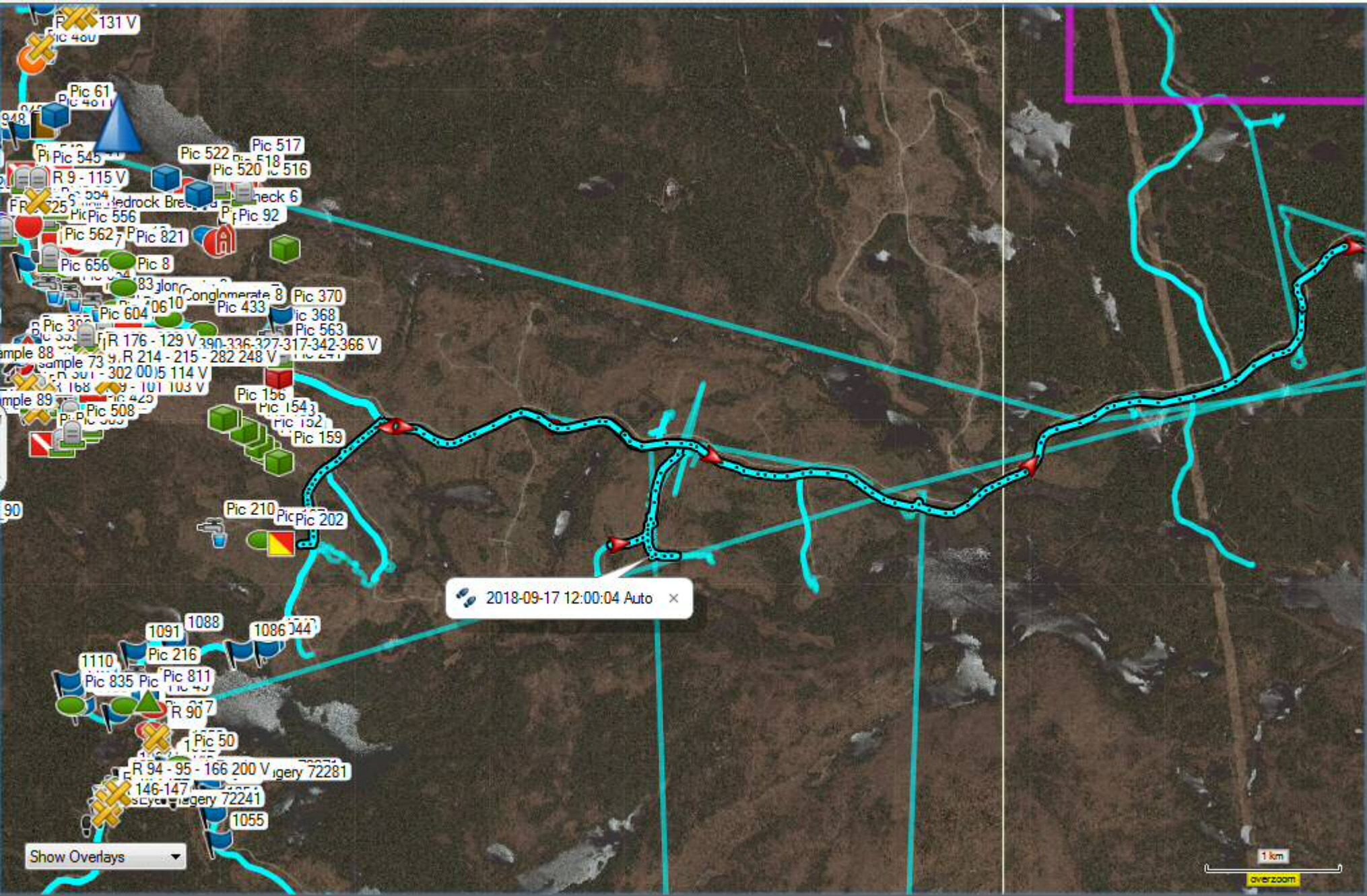
 2018-09-14 12:15:03 Auto ✕

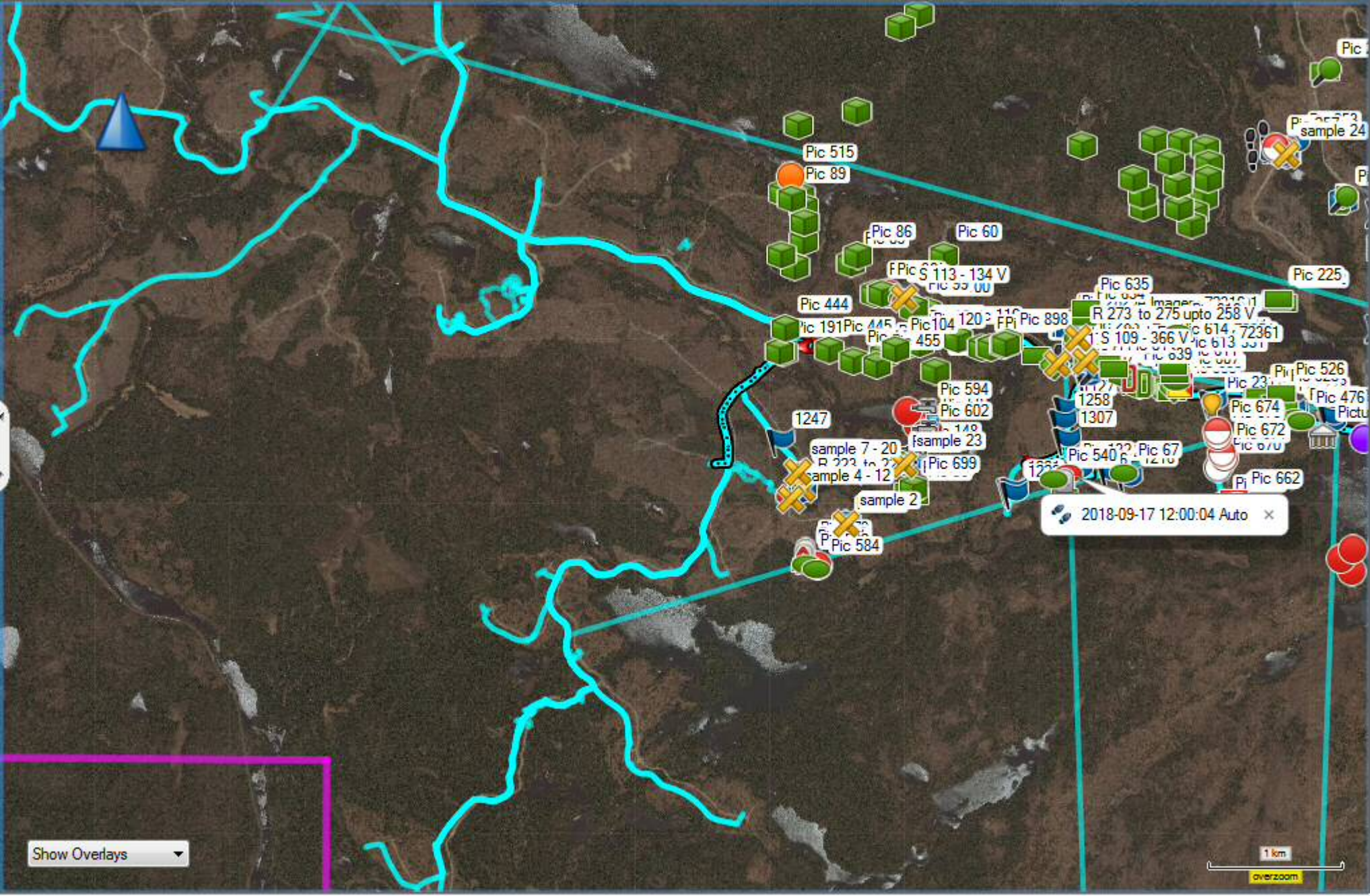
Show Overlays ▼

700 m  
overzoom





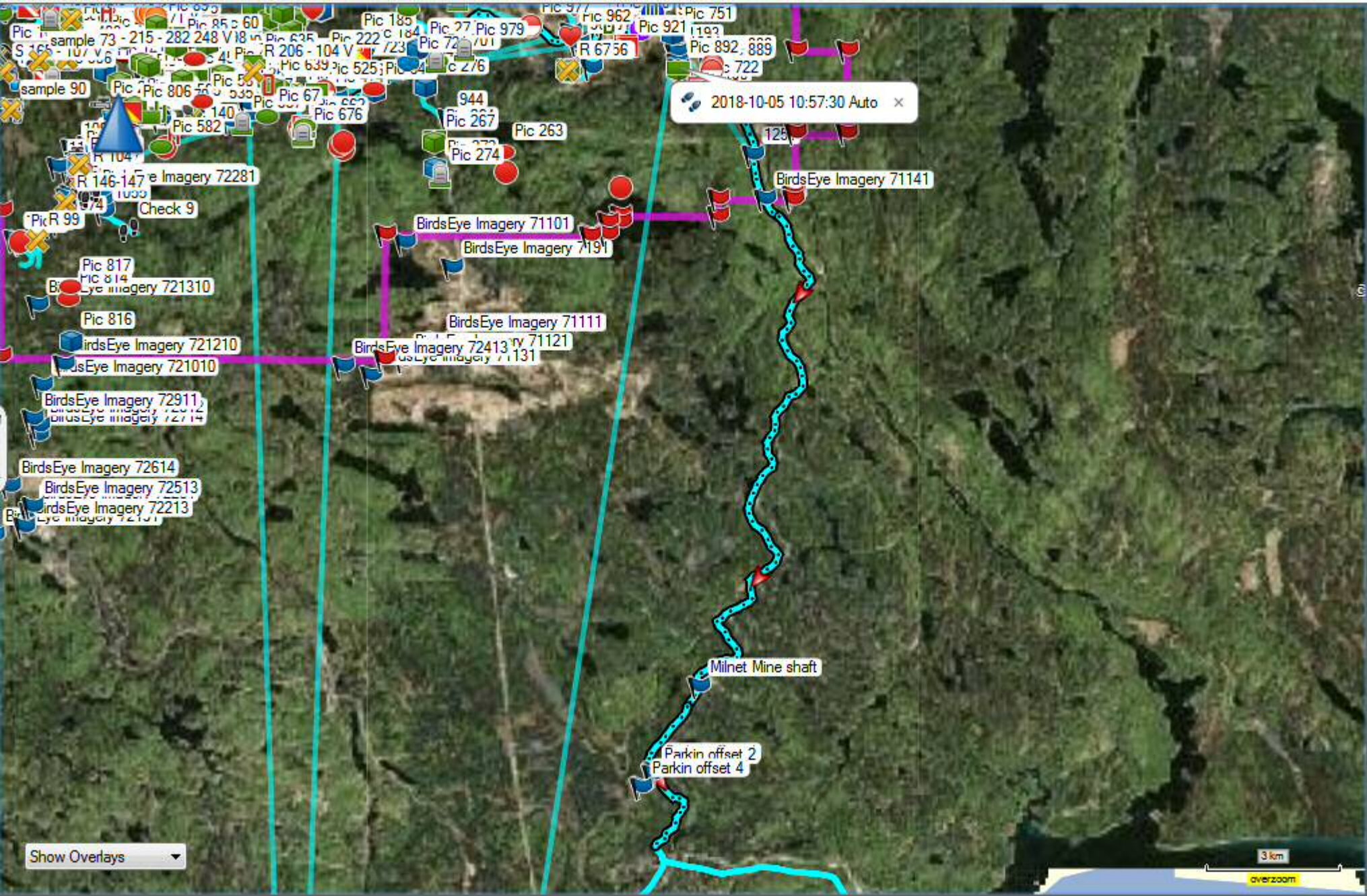




Show Overlays

2018-09-17 12:00:04 Auto x

1 km  
overzoom



2018-10-05 10:57:30 Auto

R 146-147 e Imagery 72281

Check 9

Pic 817  
Pic 814  
BirdsEye Imagery 721310

Pic 816  
BirdsEye Imagery 721210

BirdsEye Imagery 721010

BirdsEye Imagery 72911  
BirdsEye Imagery 72714

BirdsEye Imagery 72614

BirdsEye Imagery 72513

BirdsEye Imagery 72213

BirdsEye Imagery 71101

BirdsEye Imagery 71911

BirdsEye Imagery 71111

BirdsEye Imagery 72413  
BirdsEye Imagery 71121  
BirdsEye Imagery 71131

Milnet Mine shaft

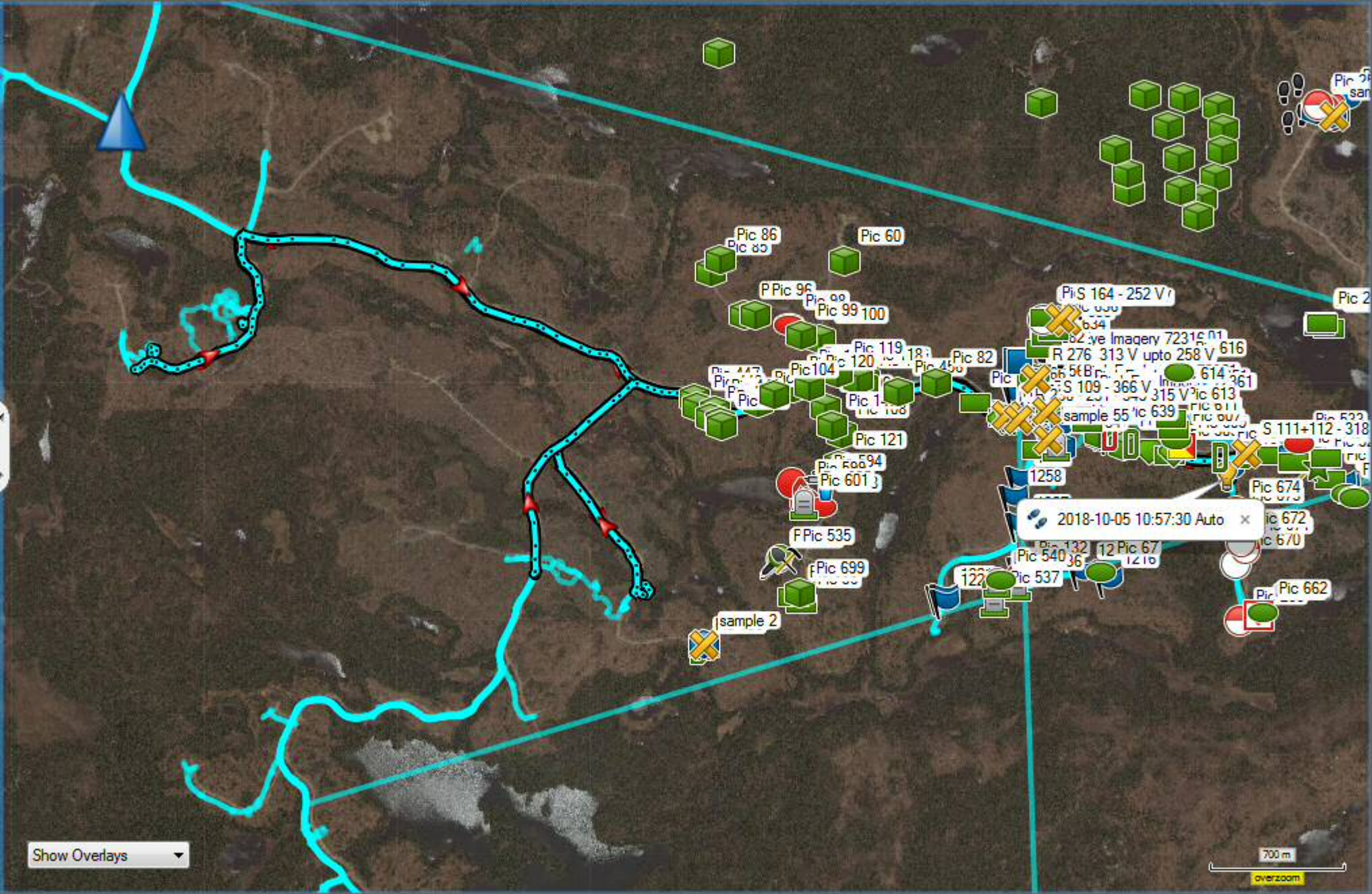
Parkin offset 2  
Parkin offset 4

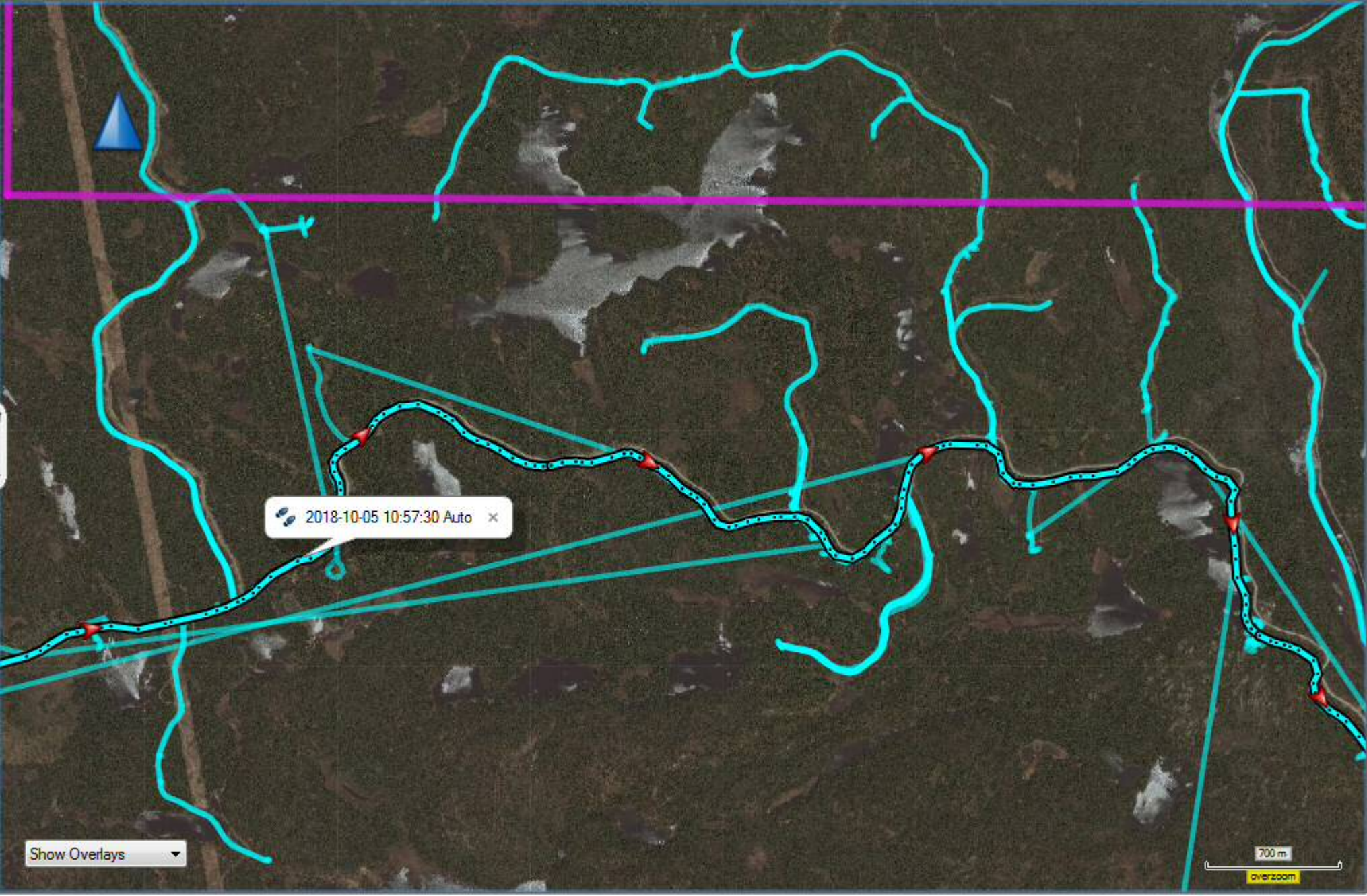
Show Overlays

3 km

overzoom



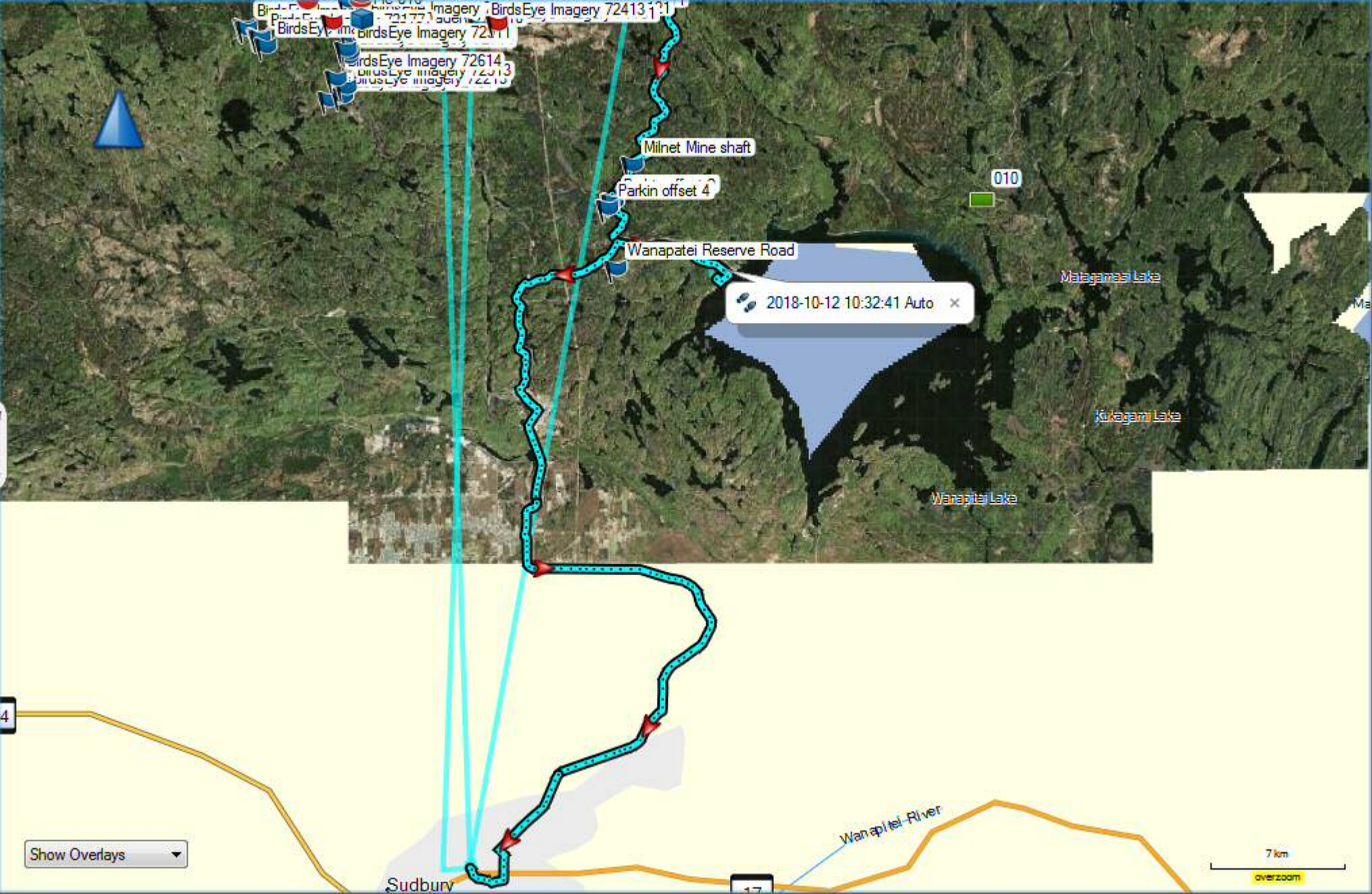


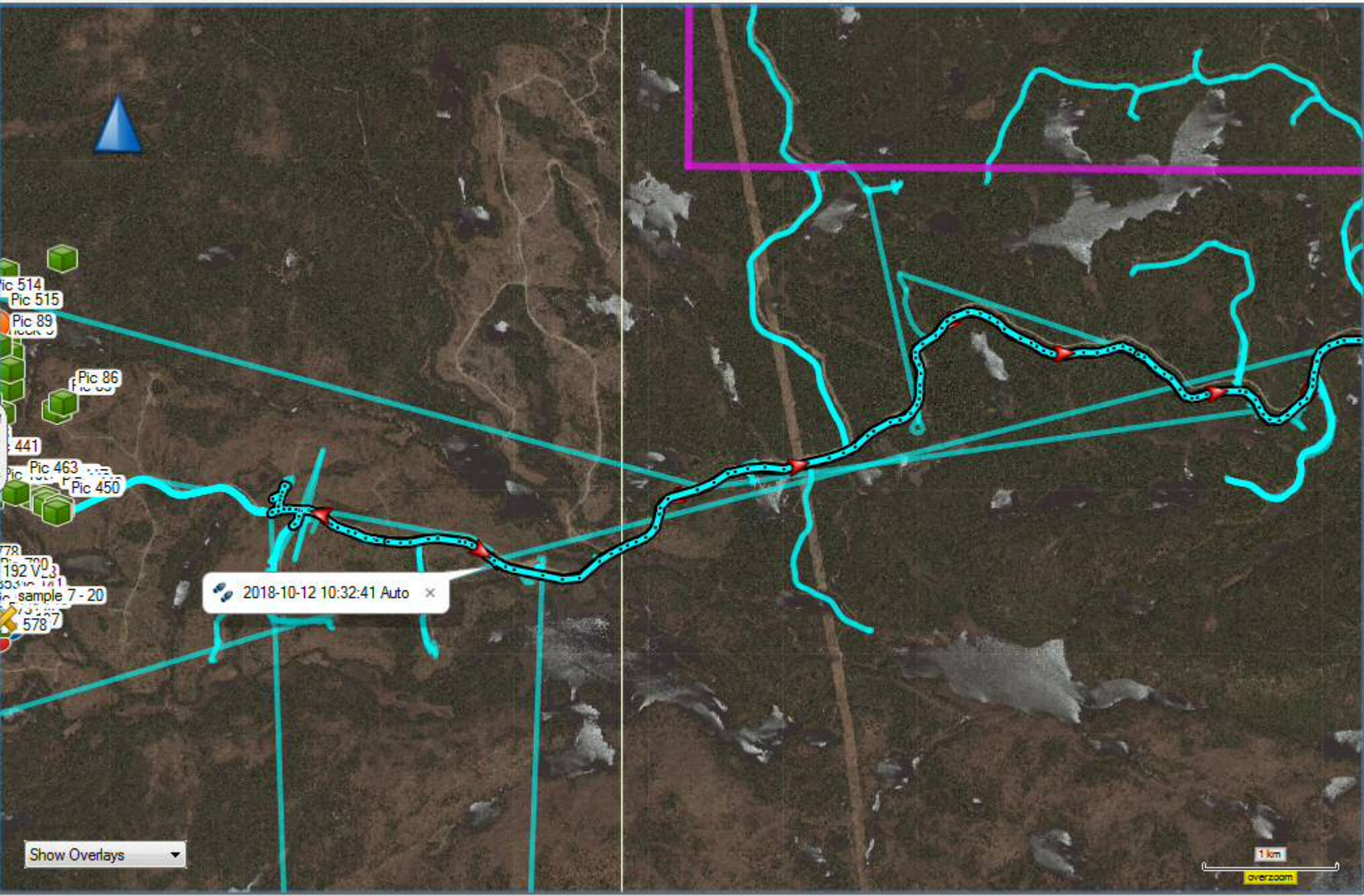


2018-10-05 10:57:30 Auto x

Show Overlays ▾

700 m  
overzoom





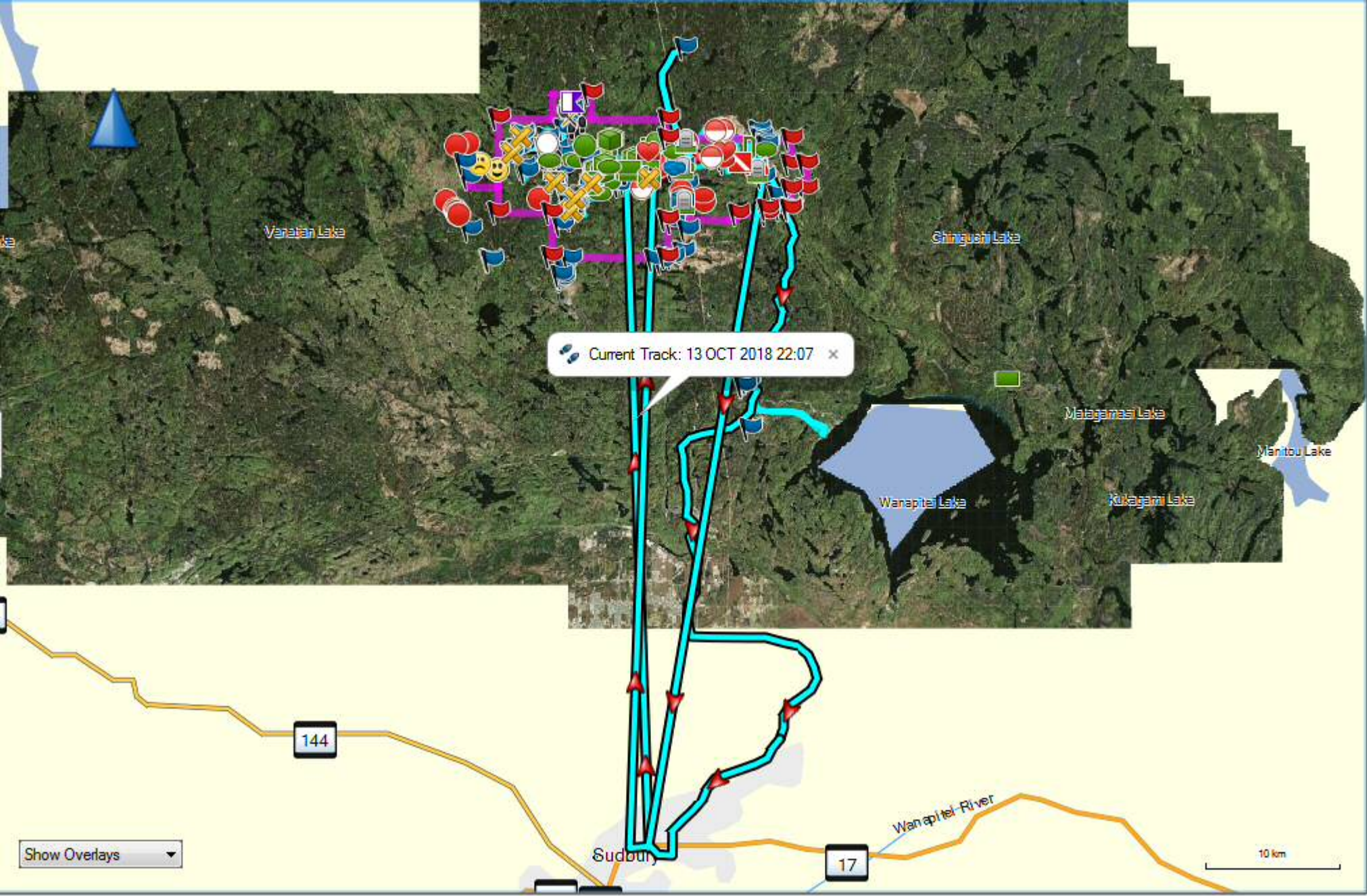
- Pic 514
- Pic 515
- Pic 89
- Pic 86
- 441
- Pic 463
- Pic 450
- 778
- 192 V23
- sample 7-20
- 5787

2018-10-12 10:32:41 Auto ×

Show Overlays ▾

1 km  
overzoom





Vanatan Lake

Chingushi Lake

Malagamas Lake

Man tou Lake

Wanapitel Lake

Kukagami Lake

144

Sudbury

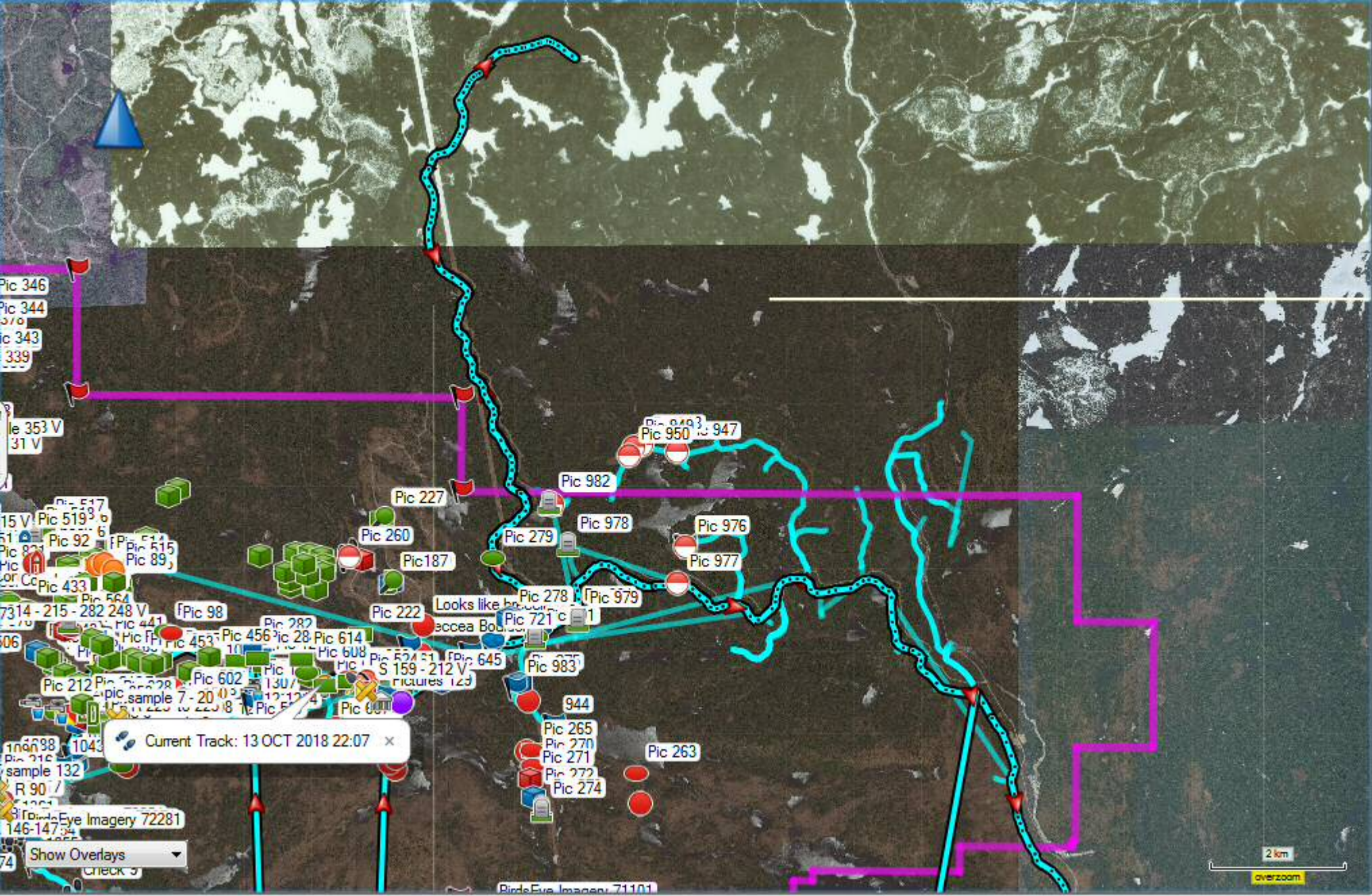
17

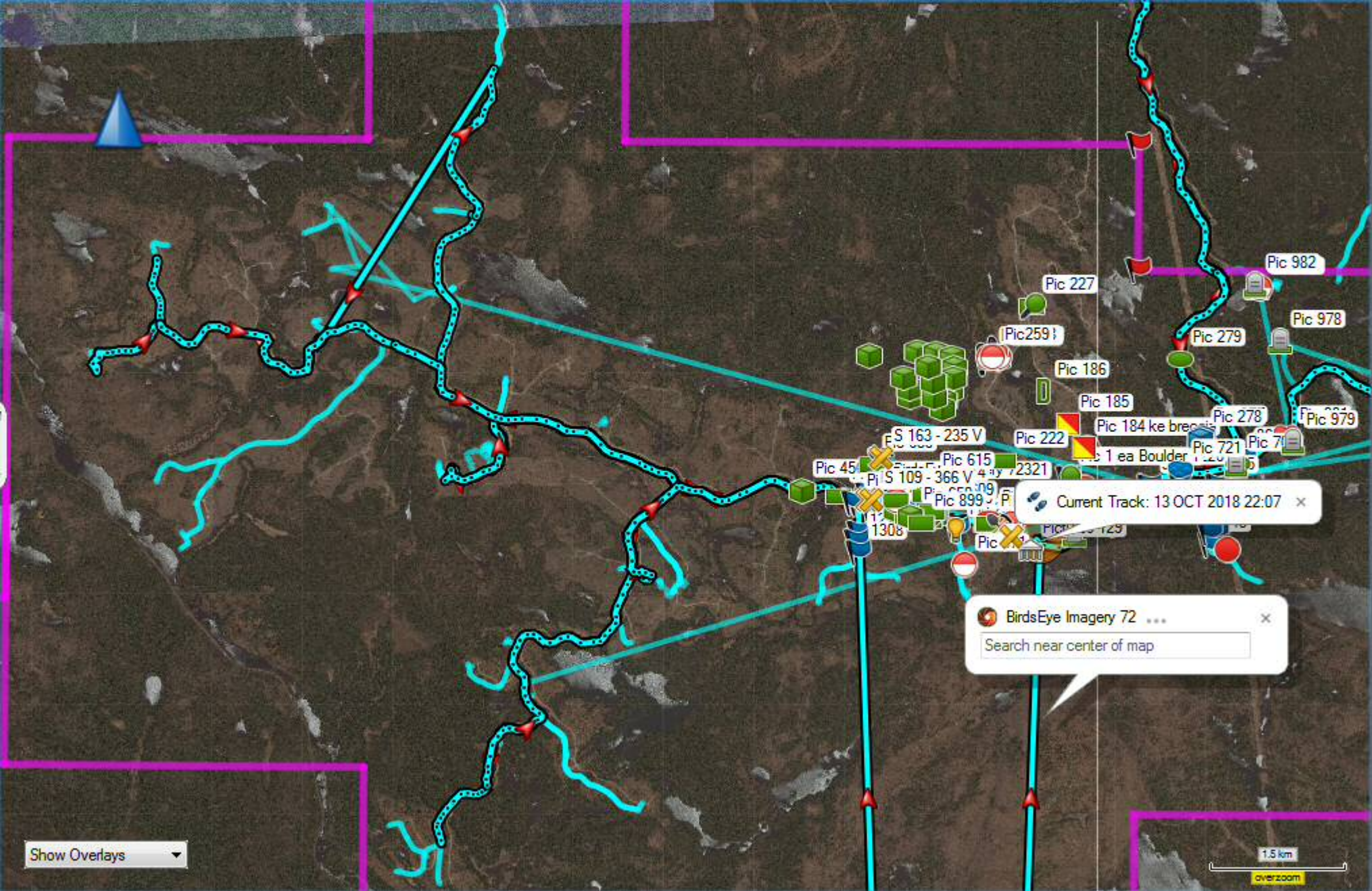
Wanapitel River

10 km

Current Track: 13 OCT 2018 22:07 X

Show Overlays



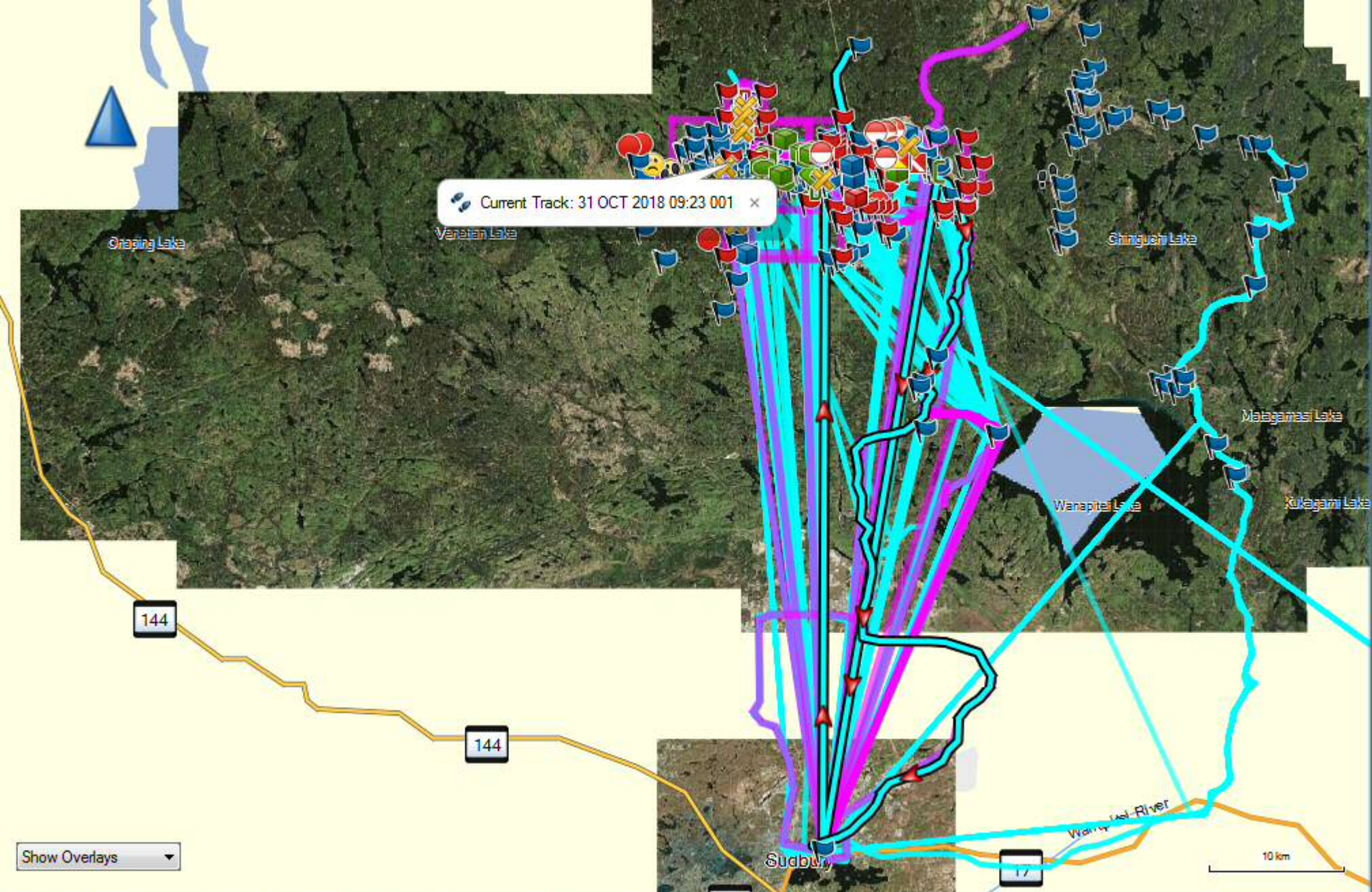


Current Track: 13 OCT 2018 22:07 x

BirdsEye Imagery 72 ... x  
Search near center of map

Show Overlays ▾

1.5 km  
overzoom



Current Track: 31 OCT 2018 09:23 001

144

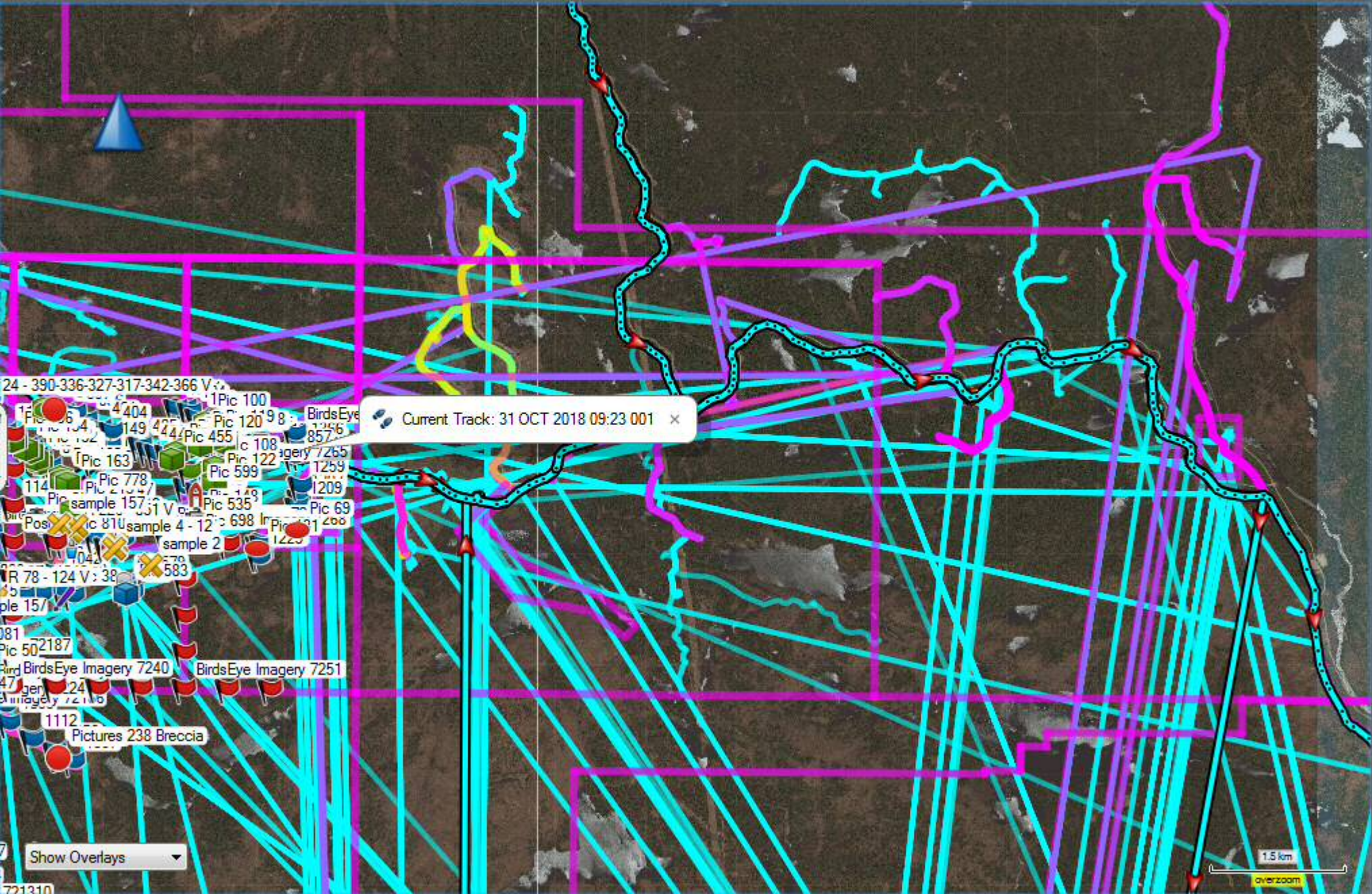
144

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Show Overlays

10 km

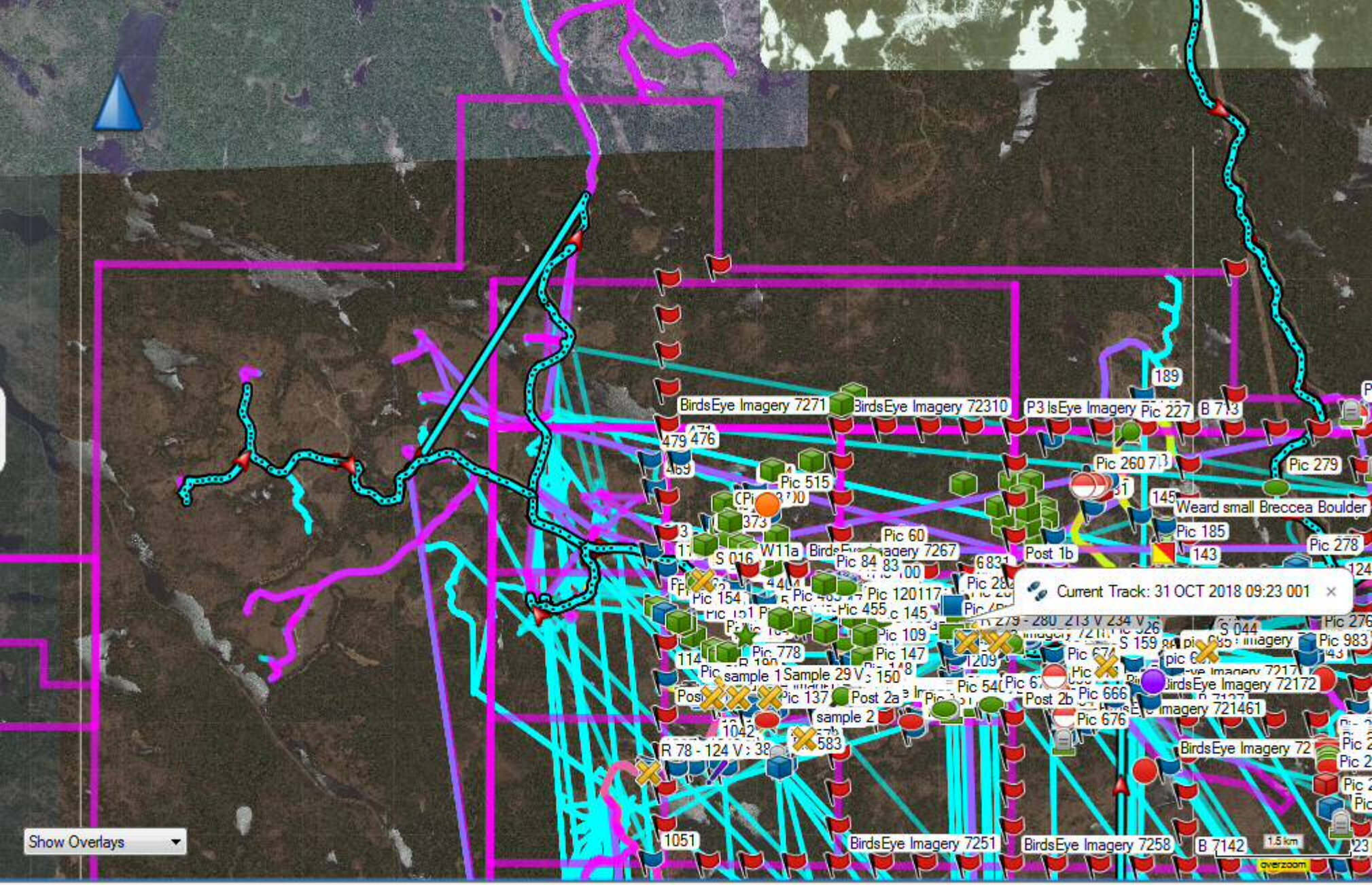


24 - 390-336-327-317-342-366 V  
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Pic 999  
Pic 1000

Current Track: 31 OCT 2018 09:23 001

Show Overlays

1.5 km  
overzoom



Show Overlays

Current Track: 31 OCT 2018 09:23 001

BirdsEye Imagery 7271 BirdsEye Imagery 72310 P3 IsEye Imagery Pic 227 B 713

479 476 469 Pic 515 Pic 260 713 Pic 279

CPi 370 S 016 W11a BirdsEye Imagery 7267 Pic 60 Pic 84 83 00 6831 Post 1b Weard small Breccia Boulder Pic 185 Pic 278

Pic 154 Pic 151 Pic 150 Pic 455 c 145 Pic 109 Pic 147 Pic 120117 Pic 282 Pic 279 - 280 213 V 234 V 26 S 044 Pic 276

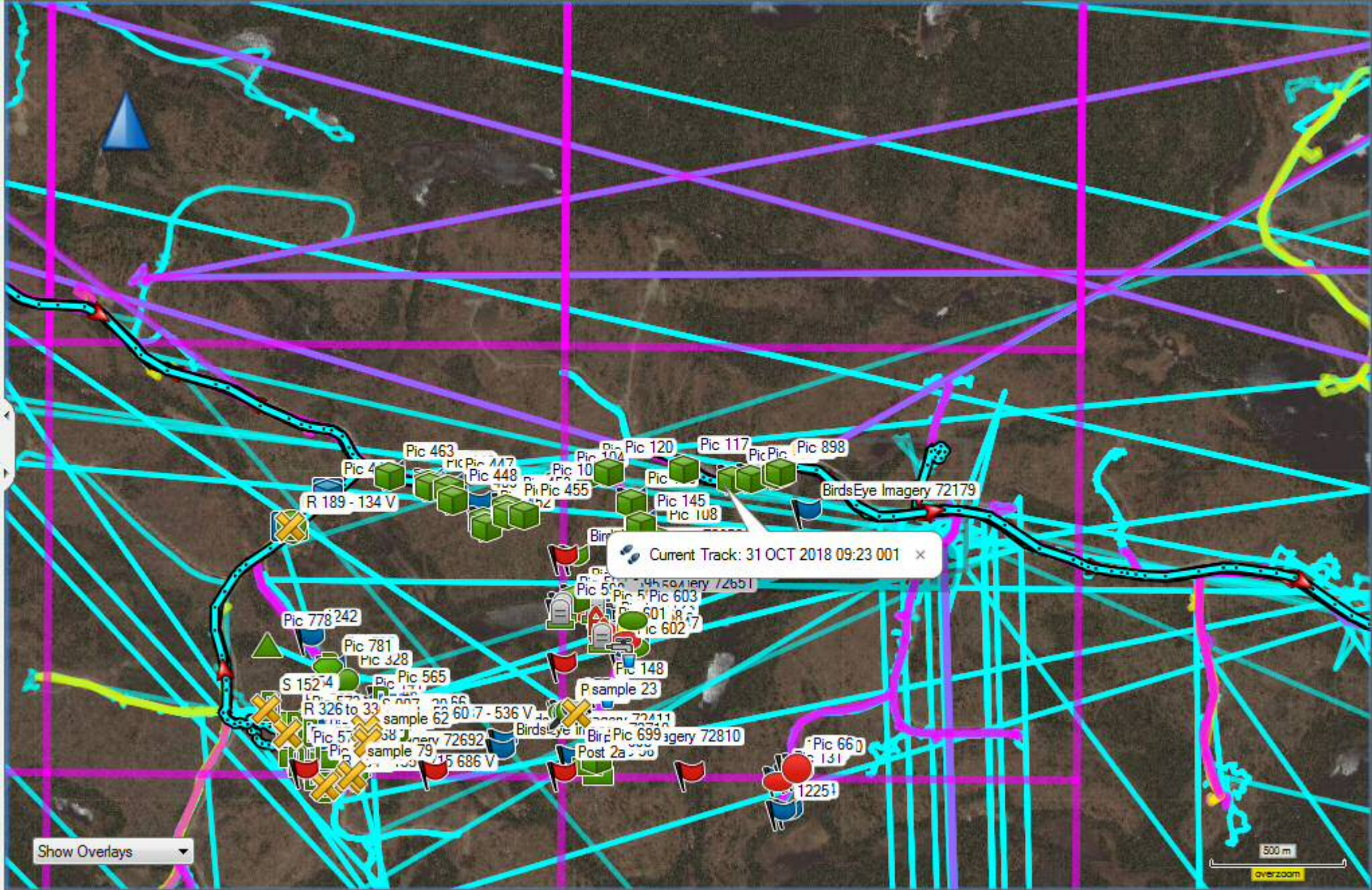
114 Pic 778 Pic 109 Pic 147 Pic 1209 Pic 674 Pic 675 Pic 676 BirdsEye Imagery 72171 Pic 983

Post sample 1 Sample 29 V: 150 Pic 54 Pic 676 Post 2b Pic 666 BirdsEye Imagery 72172

Post sample 2 R 78 - 124 V: 38 583 Pic 676 BirdsEye Imagery 721461

1051 BirdsEye Imagery 7251 BirdsEye Imagery 7258 B 7142 1.5 km

overzoom



Current Track: 31 OCT 2018 09:23 001 x

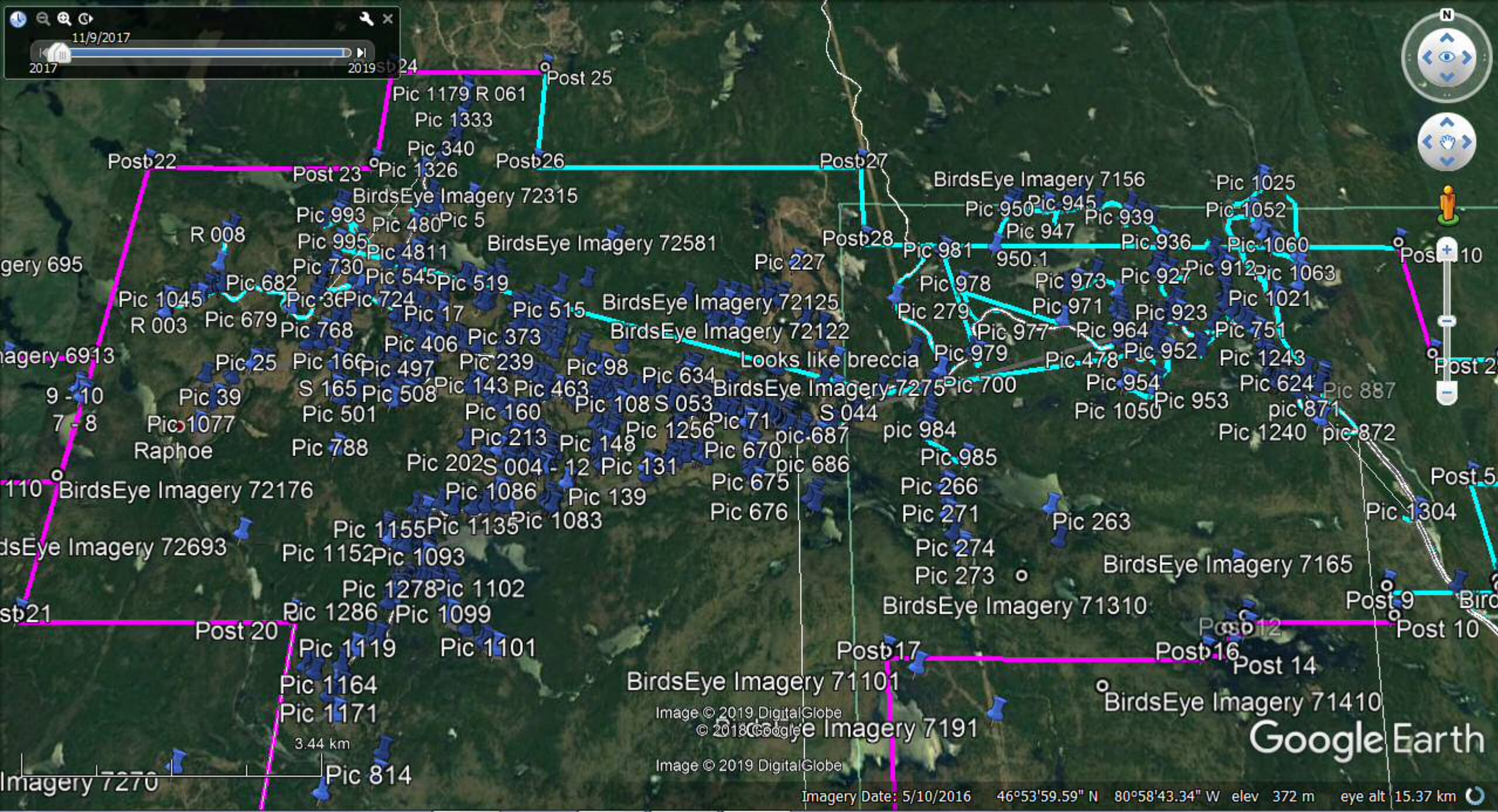
Show Overlays

500 m  
overzoom





11/9/2017  
2017 2019



Imagery 7270

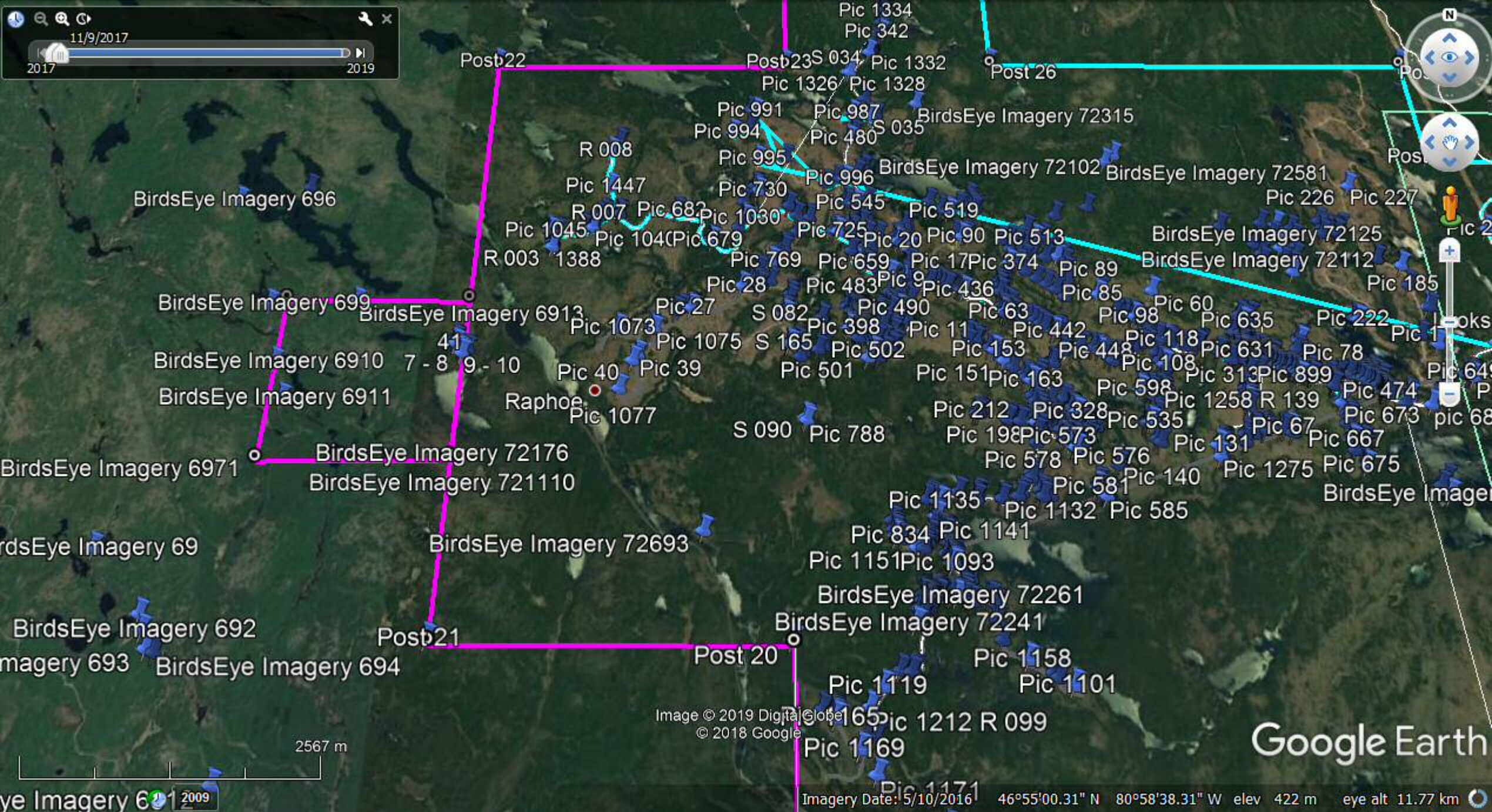
3.44 km

Image © 2019 DigitalGlobe  
© 2018 Google  
Image © 2019 DigitalGlobe

Google Earth

Imagery Date: 5/10/2016 46°53'59.59" N 80°58'43.34" W elev 372 m eye alt 15.37 km

11/9/2017  
2017 2019



Navigation controls: North arrow, zoom in (+), zoom out (-), street view (person icon), and search (magnifying glass).

Vertical toolbar with zoom in (+), zoom out (-), and other map controls.

2567 m

Google Earth

Imagery Date: 6/1/2009

Imagery Date: 5/10/2016 46°55'00.31" N 80°58'38.31" W elev 422 m eye alt 11.77 km

11/9/2017  
Pic 1179 R 061  
2017 2019  
Pic 342

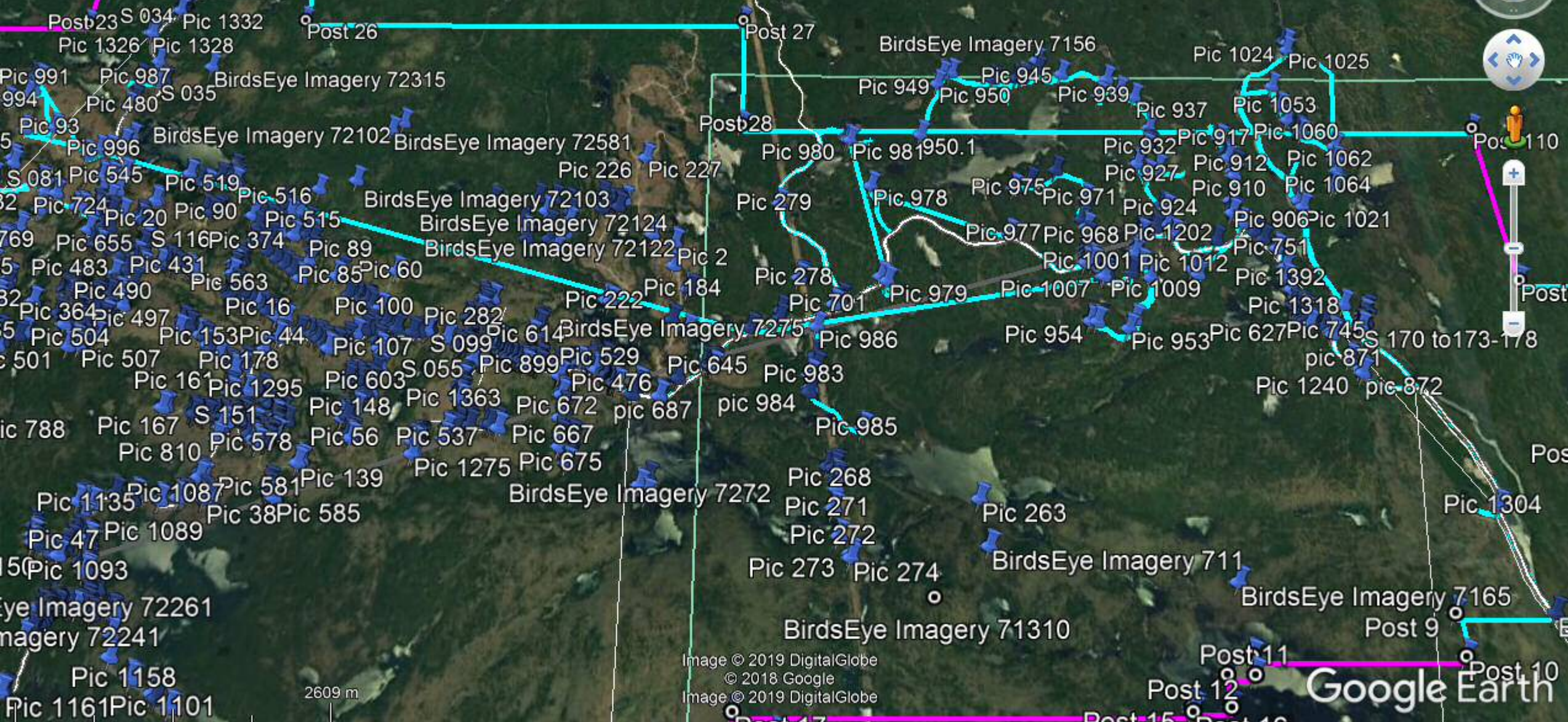
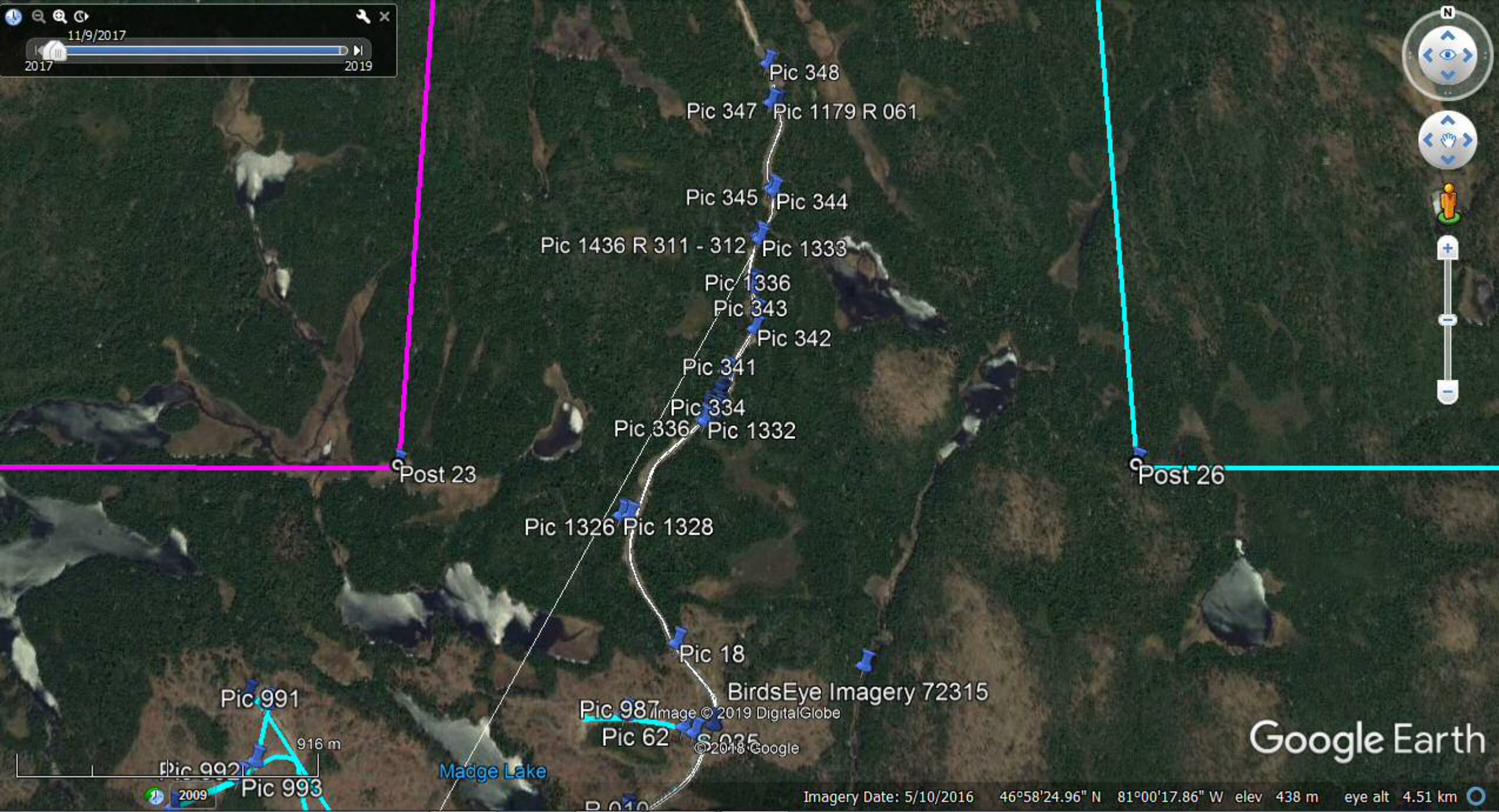


Image © 2019 DigitalGlobe  
© 2018 Google  
Image © 2019 DigitalGlobe

Google Earth

11/9/2017  
2017 2019

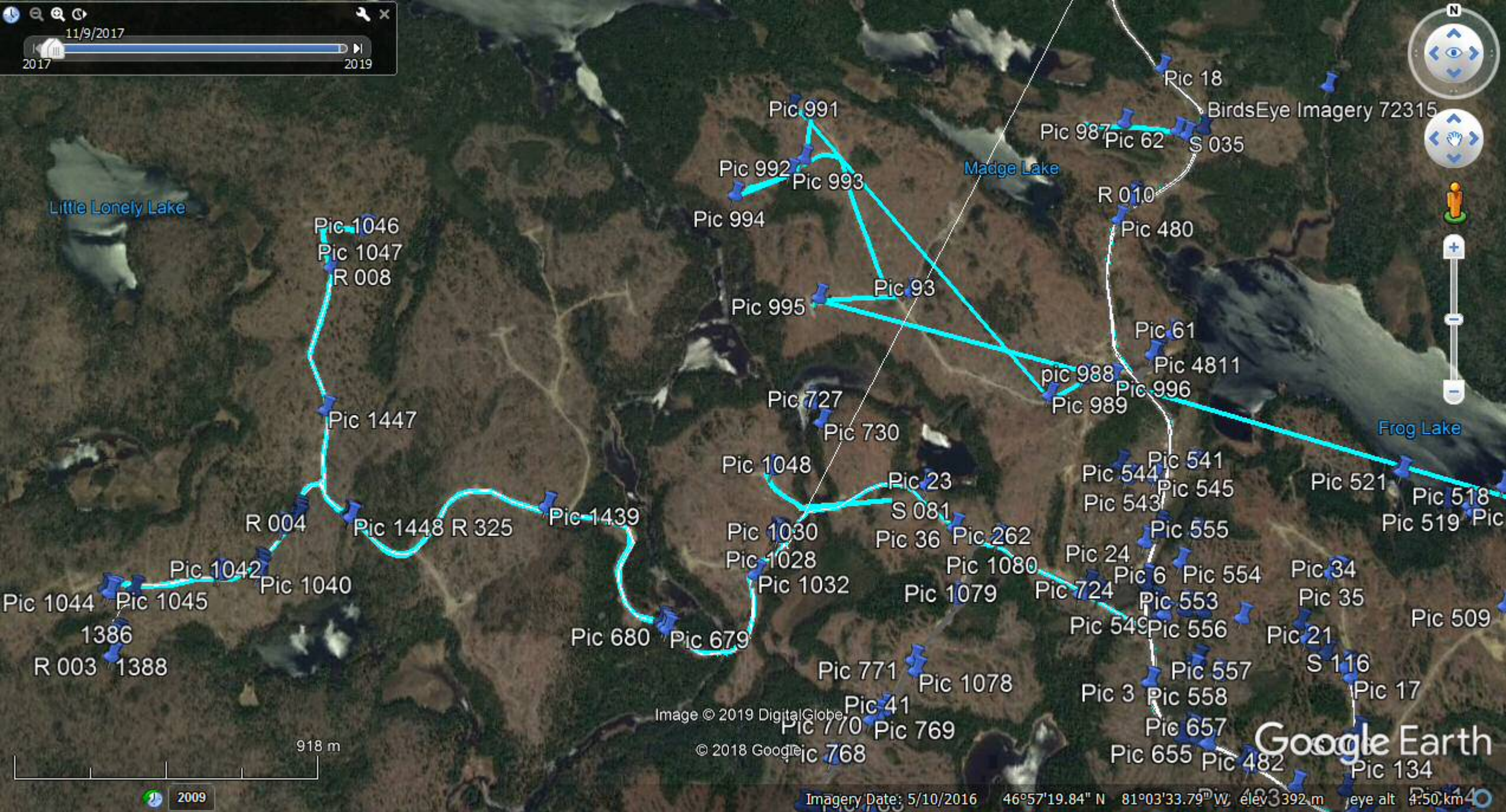
N  
+  
-  
+  
-  
+  
-  
+  
-



Pic 991  
Pic 992  
Pic 993  
916 m  
2009

BirdsEye Imagery 72315  
Image © 2019 DigitalGlobe  
© 2018 Google

Google Earth



Little Lonely Lake

Madge Lake

Frog Lake

918 m

2009

Image © 2019 DigitalGlobe

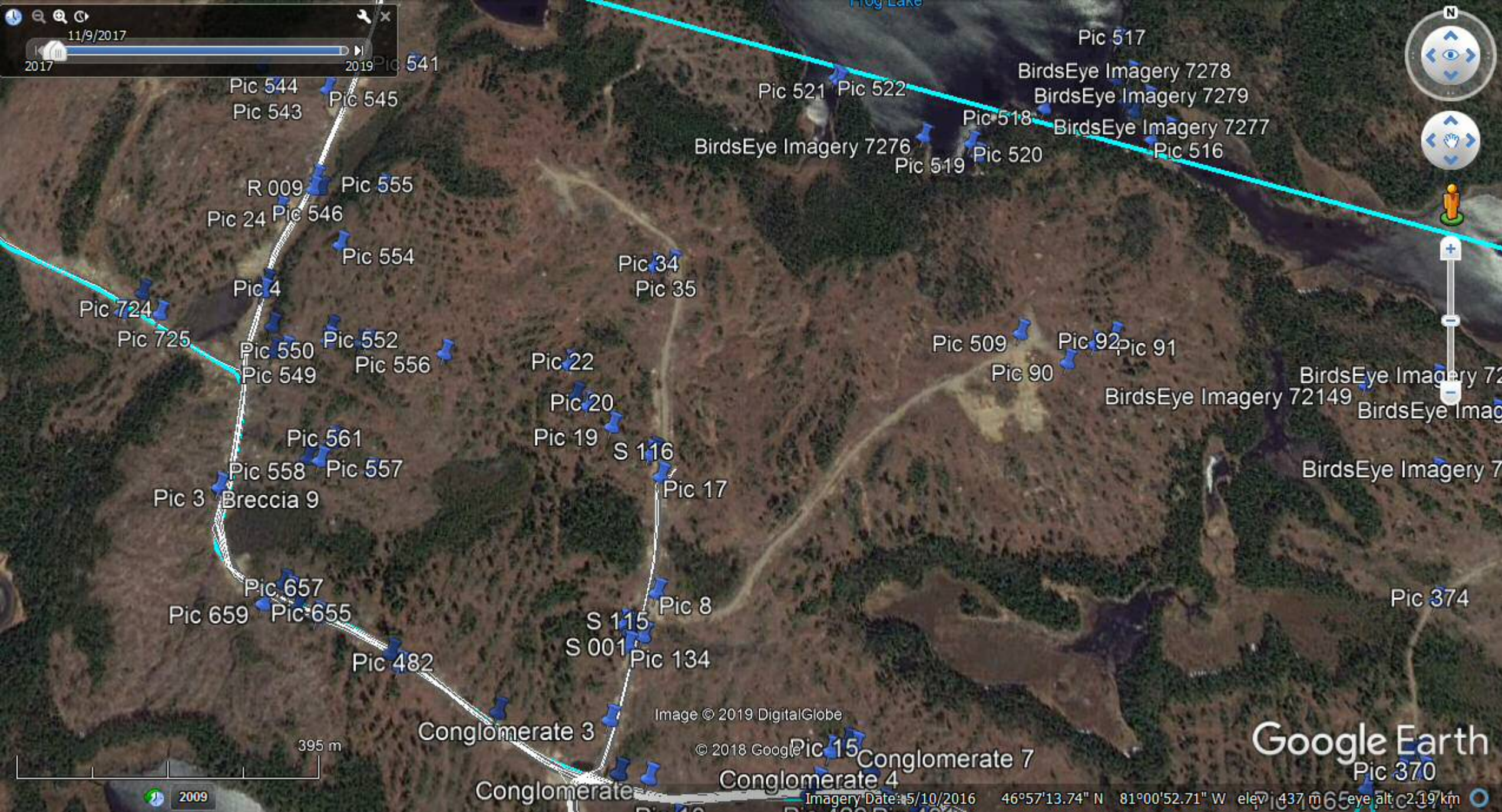
© 2018 Google

Google Earth

Imagery Date: 5/10/2016 46°57'19.84" N 81°03'33.79" W elev 3392.m eye alt 4:50.km 10'

11/9/2017  
2017 2019

N  
+  
-  
Google Earth



395 m

2009

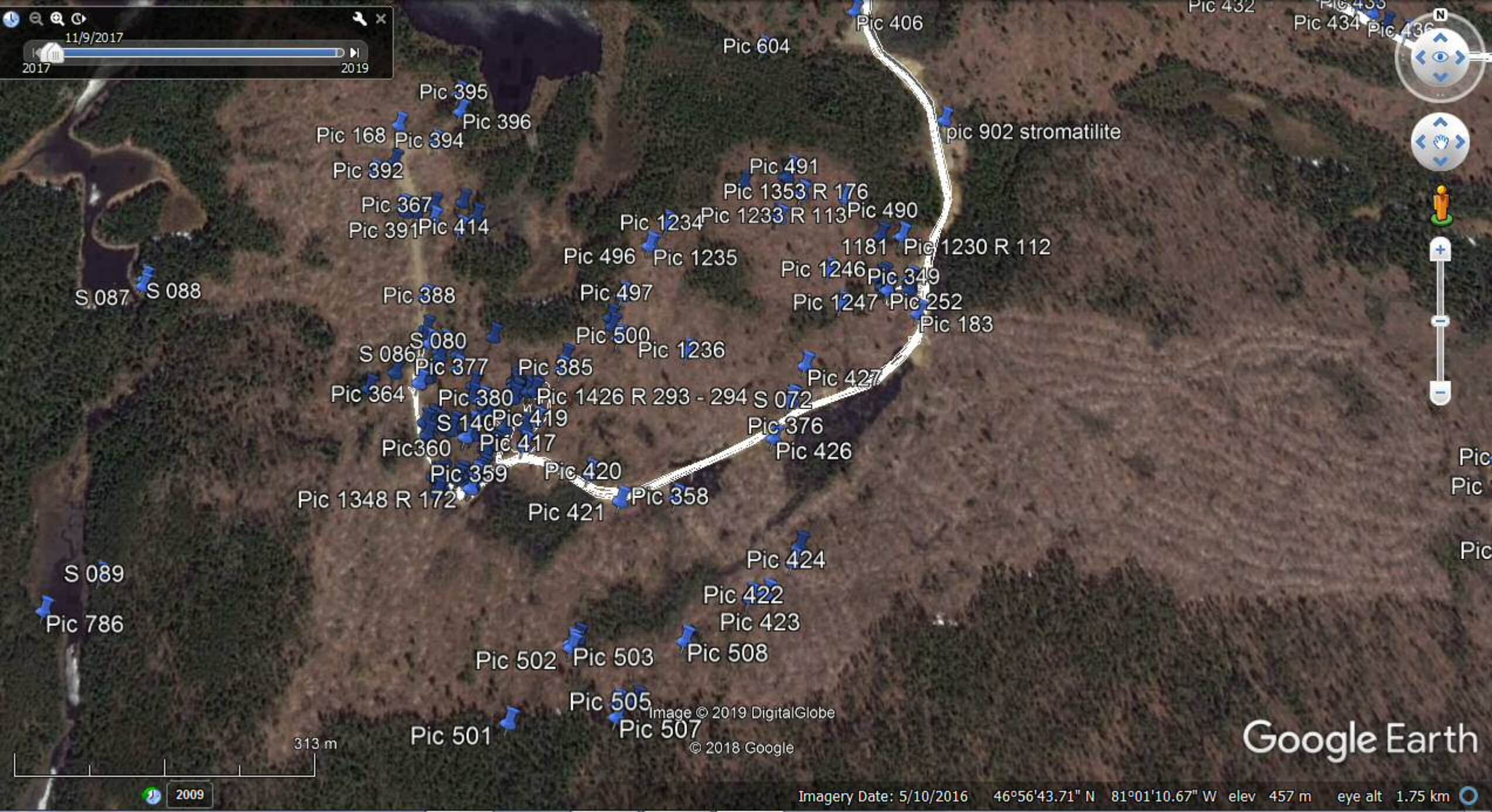
Image © 2019 DigitalGlobe  
© 2018 Google

Imagery Date: 5/10/2016 46°57'13.74" N 81°00'52.71" W elev 437 m eye alt 2.19 km

Google Earth  
Pic 370

11/9/2017  
2017 2019

Pic 432 Pic 433 Pic 434 Pic 435



Pic 604 Pic 406  
Pic 395 Pic 396  
Pic 168 Pic 394  
Pic 392  
Pic 367 Pic 391 Pic 414  
Pic 1234 Pic 1233 R 113 Pic 490  
Pic 496 Pic 1235 1181 Pic 1230 R 112  
Pic 497 Pic 1246 Pic 349  
Pic 1247 Pic 252 Pic 183  
Pic 388 Pic 497  
Pic 500 Pic 1236  
Pic 377 Pic 385 Pic 427  
Pic 364 Pic 380 Pic 1426 R 293 - 294 S 072  
S 140 Pic 419 Pic 376 Pic 426  
Pic 360 Pic 417  
Pic 359 Pic 420 Pic 358  
Pic 1348 R 172 Pic 421  
Pic 424  
Pic 422 Pic 423  
Pic 502 Pic 503 Pic 508  
Pic 505  
Pic 501 Pic 507

S 087 S 088

S 089

Pic 786

313 m

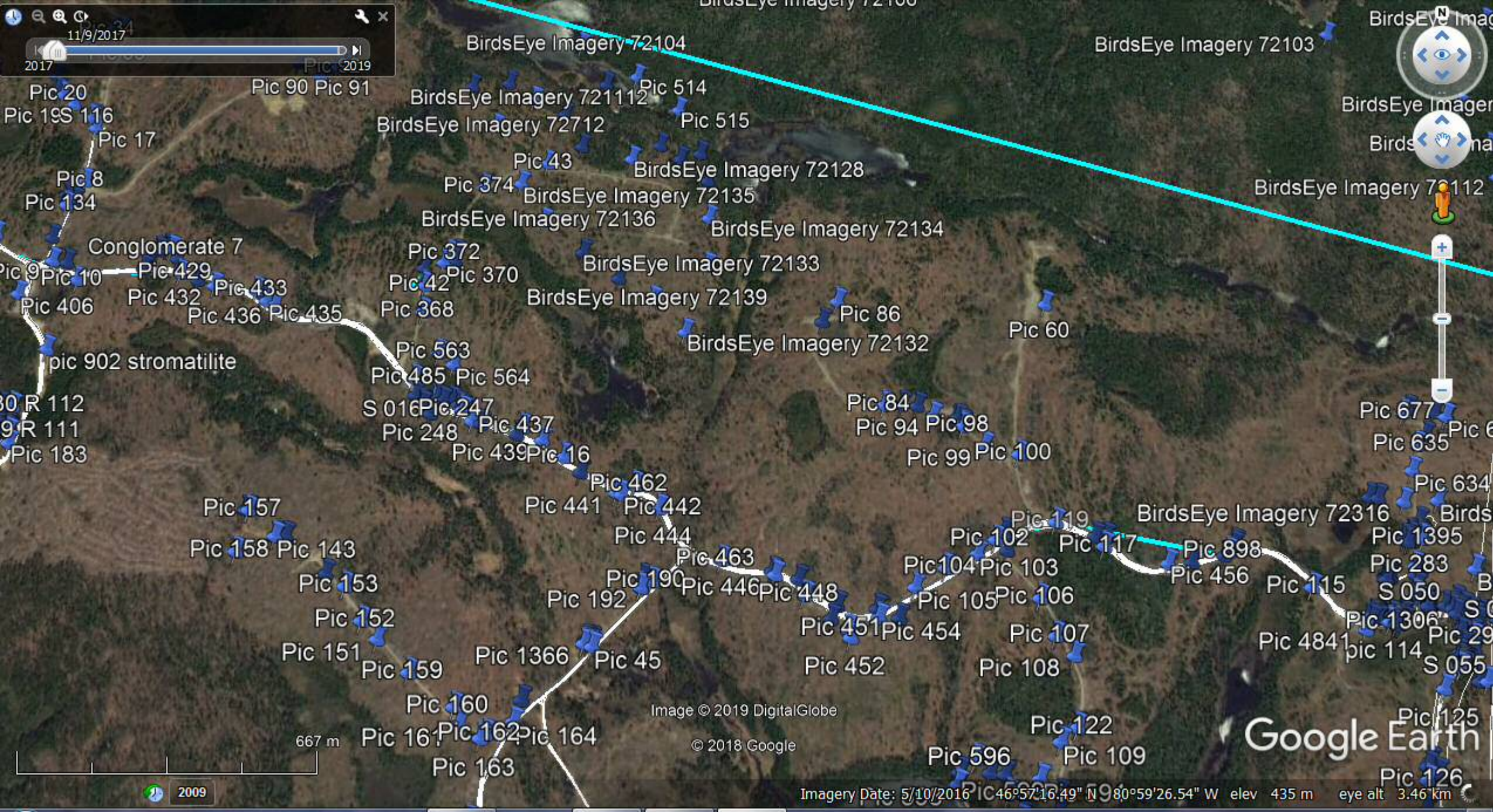
2009

Imagery Date: 5/10/2016 46°56'43.71" N 81°01'10.67" W elev 457 m eye alt 1.75 km

Google Earth

Image © 2019 DigitalGlobe  
© 2018 Google

11/9/2017  
2017 2019



Birdseye Imagery 72100  
Birdseye Imagery 72103  
Birdseye Imagery 72112  
Birdseye Imagery 72112

Pic 20  
Pic 19S 116  
Pic 17  
Pic 8  
Pic 134  
Conglomerate 7  
Pic 9  
Pic 10  
Pic 429  
Pic 432  
Pic 433  
Pic 436  
Pic 435  
Pic 406  
pic 902 stromatolite  
30 R 112  
9 R 111  
Pic 183  
Pic 157  
Pic 158  
Pic 143  
Pic 153  
Pic 152  
Pic 151  
Pic 159  
Pic 160  
Pic 161  
Pic 162  
pic 164  
Pic 163

Birdseye Imagery 72104  
Birdseye Imagery 721112  
Birdseye Imagery 72712  
Pic 43  
Pic 374  
Birdseye Imagery 72136  
Pic 372  
Pic 42  
Pic 370  
Pic 368  
Pic 563  
Pic 485  
Pic 564  
S 016  
Pic 247  
Pic 248  
Pic 437  
Pic 439  
Pic 16  
Pic 462  
Pic 441  
Pic 442  
Pic 444  
Pic 463  
Pic 190  
Pic 446  
Pic 448  
Pic 192  
Pic 45  
Pic 1366  
Pic 45  
Pic 160  
Pic 161  
Pic 162  
pic 164  
Pic 163

Pic 514  
Pic 515  
Birdseye Imagery 72128  
Birdseye Imagery 72135  
Birdseye Imagery 72134  
Birdseye Imagery 72133  
Birdseye Imagery 72139  
Birdseye Imagery 72132  
Pic 86  
Pic 60  
Pic 84  
Pic 94  
Pic 98  
Pic 99  
Pic 100  
Pic 119  
Pic 102  
Pic 103  
Pic 104  
Pic 105  
Pic 106  
Pic 107  
Pic 108  
Pic 122  
Pic 109  
Pic 596  
Pic 553  
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Pic 519  
Pic 518  
Pic 517  
Pic 516  
Pic 515  
Pic 514

Birdseye Imagery 72103  
Birdseye Imagery 72112  
Pic 677  
Pic 635  
Pic 634  
Pic 1395  
Pic 283  
S 050  
Pic 1306  
Pic 114  
S 055  
Pic 125  
Pic 126  
Pic 898  
Pic 456  
Pic 115  
Pic 484  
pic 114  
S 055  
Pic 125  
Pic 126

667 m

Image © 2019 DigitalGlobe  
© 2018 Google

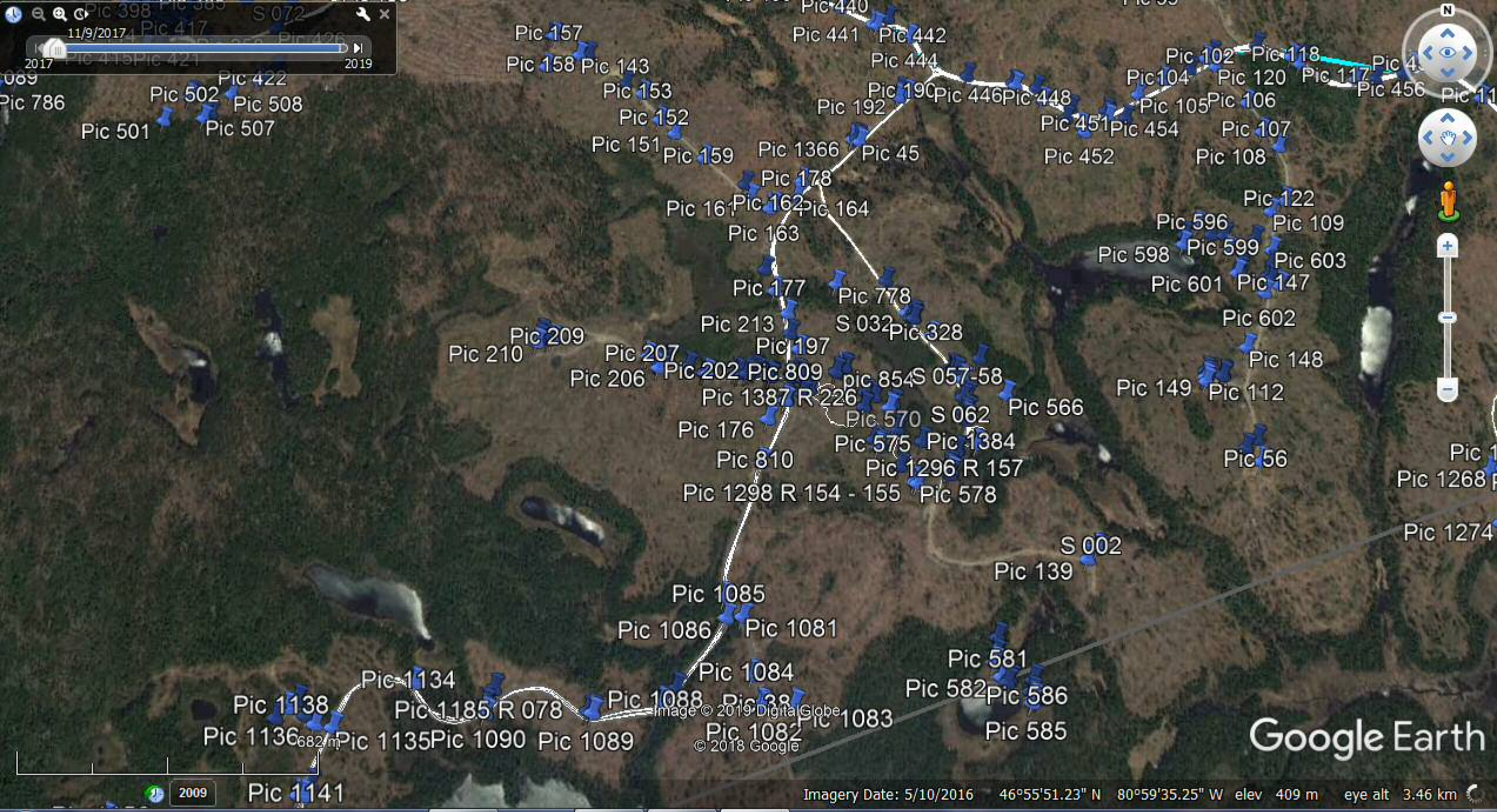
Google Earth

Imagery Date: 5/10/2016  
Pic 46°57'16.49" N 80°59'26.54" W elev 435 m eye alt 3.46 km

2009



11/9/2017  
Pic 398 Pic 385 S 072  
Pic 417  
2017 2019



Google Earth

11/9/2017  
2017 2019

Pic 108N  
Pic 1088

Pic 1134 Pic 1133  
Pic 1185 R 078 Pic 1186 R 079  
Pic 1131 Pic 1089  
Pic 1137 Pic 1136 Pic 1135  
Pic 1141 Pic 216  
Pic 1156  
Pic 1153  
Pic 835  
Pic 834 Pic 1152  
Pic 1142  
S 132 S 125-126  
Pic 47 S 129  
Pic 1143  
Pic 1147  
Pic 1149  
Pic 1151  
Pic 1220  
Pic 1216  
Pic 1204 R 090  
Pic 1093  
Pic 50  
Pic 1420  
Pic 1419  
Pic 1193  
BirdsEye Imagery 72221  
Pic 1206 R 092  
BirdsEye Imagery 72261  
Pic 1095  
BirdsEye Imagery 72281  
Pic 1096  
Pic 1219 R 105  
Pic 1097  
Pic 1285 R 145

Bessie Lake

Navigation controls: Home, Street View, Zoom in (+), Zoom out (-)

387 m

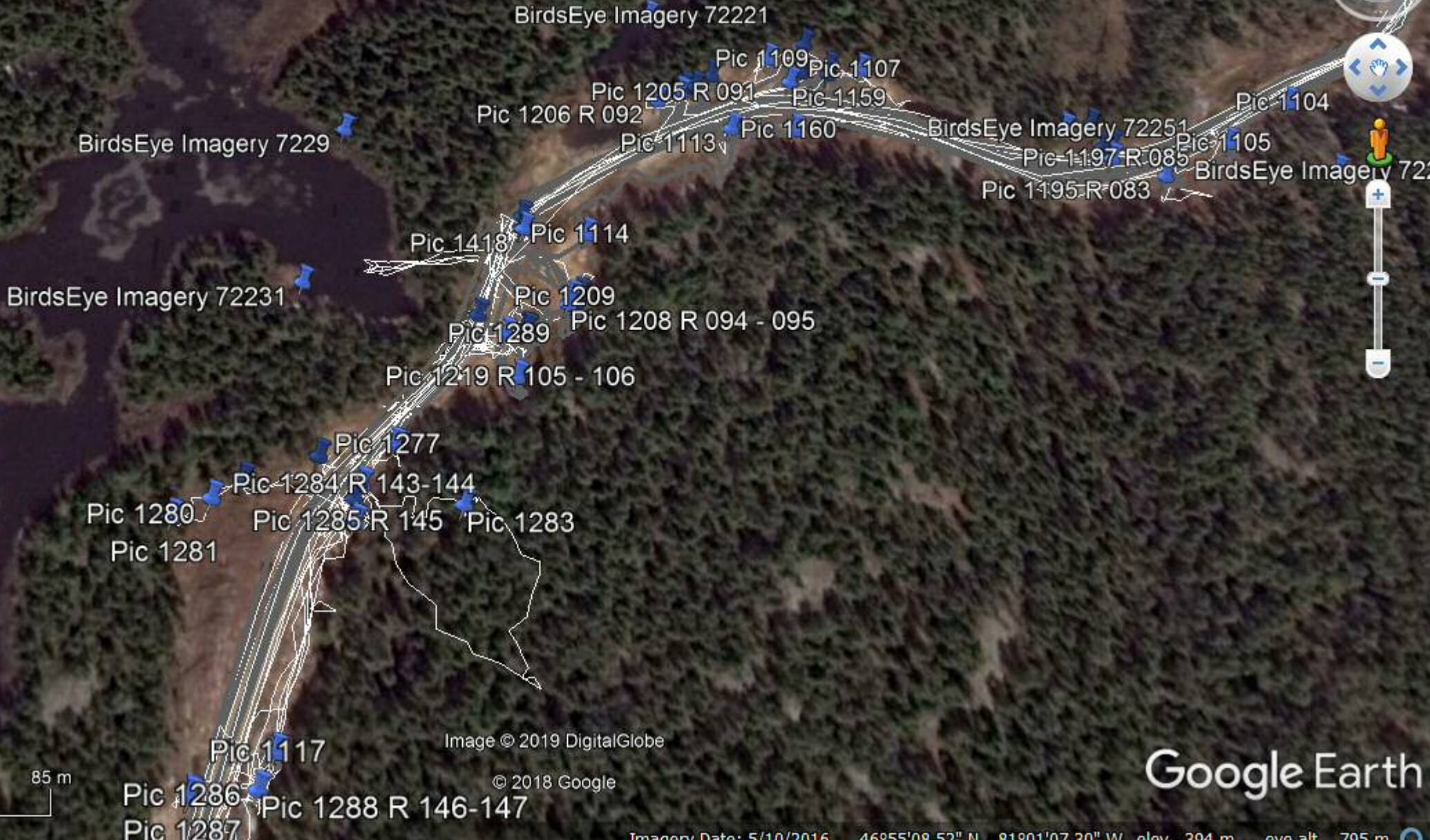
2009

Google Earth

Imagery Date: 5/10/2016 46°55'22.76" N 81°00'45.95" W elev 416 m eye alt 2.14 km

11/9/2017  
2017 2019

Pic 11  
N  
Pic 1104  
Pic 1105  
Pic 1197 R 085  
Pic 1195 R 083  
BirdsEye Imagery 72251  
BirdsEye Imagery 722



85 m  
2009

Google Earth

11/9/2017  
2017 2019

BirdsEye Imagery 72221 Pic 1102  
BirdsEye Imagery 7229 BirdsEye Imagery 72261 Pic 1096  
Pic 1289 BirdsEye Imagery 72281  
Pic 1281 Pic 1285 R 145 Pic 1097  
Pic 1287  
BirdsEye Imagery 72241 Pic 1098

Post 20

Pic 1162 Pic 1161

Pic 1099

Pic 1158 Pic 1157

Pic 1100  
Pic 238

Pic 1101

Pic 1119

Pic 1168 Pic 1166 Pic 1120 Pic 1212 R 099

Pic 1165

Pic 1164

Pic 1172

Pic 1169  
Pic 1170

504 m

Pic 1171

Image © 2019 DigitalGlobe  
© 2018 Google

Google Earth

Imagery Date: 5/10/2016 46°54'34.95" N 81°01'01.80" W elev 376 m eye alt 2.52 km

2009

11/9/2017  
2017 2019

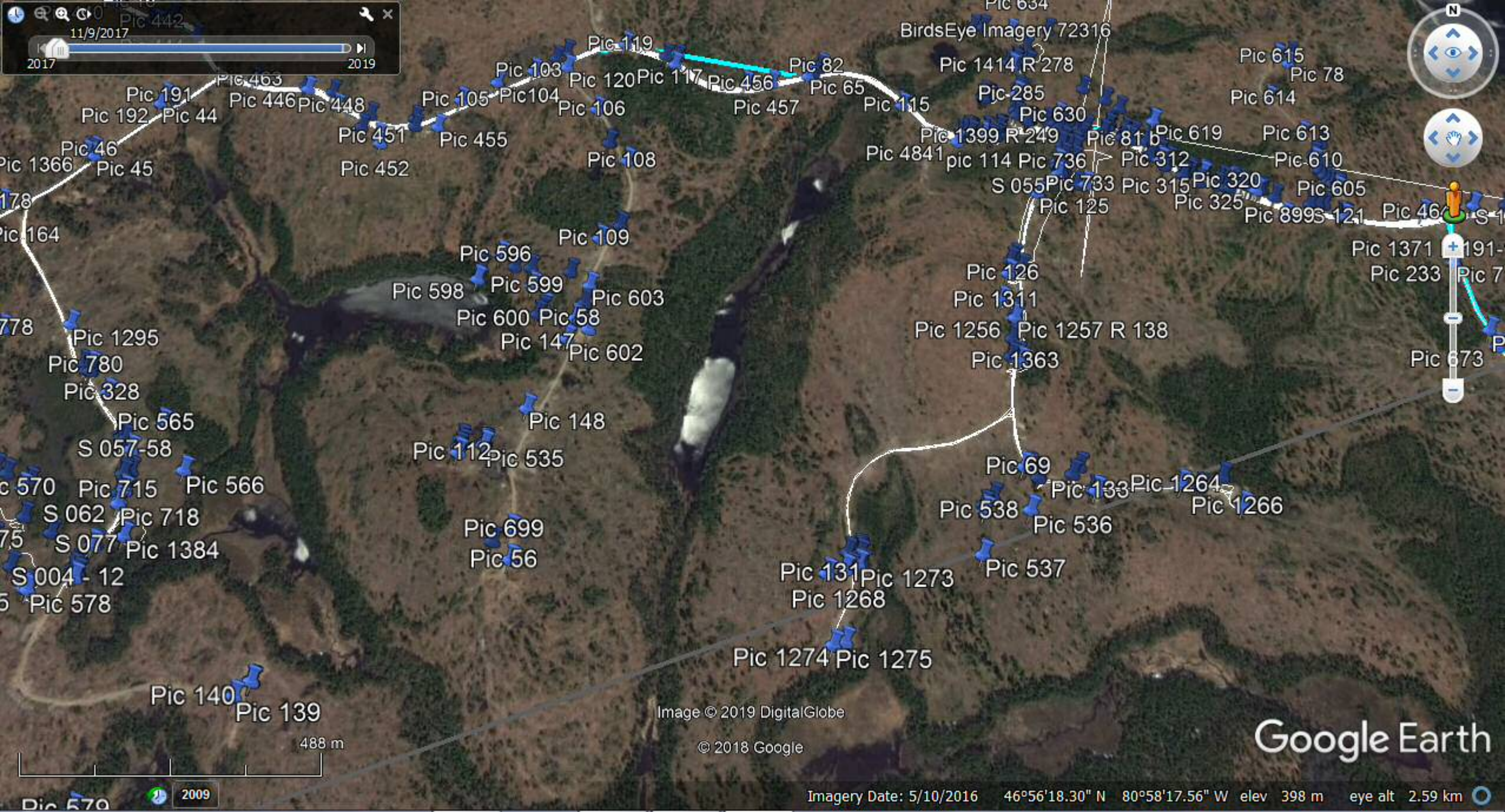


Image © 2019 DigitalGlobe

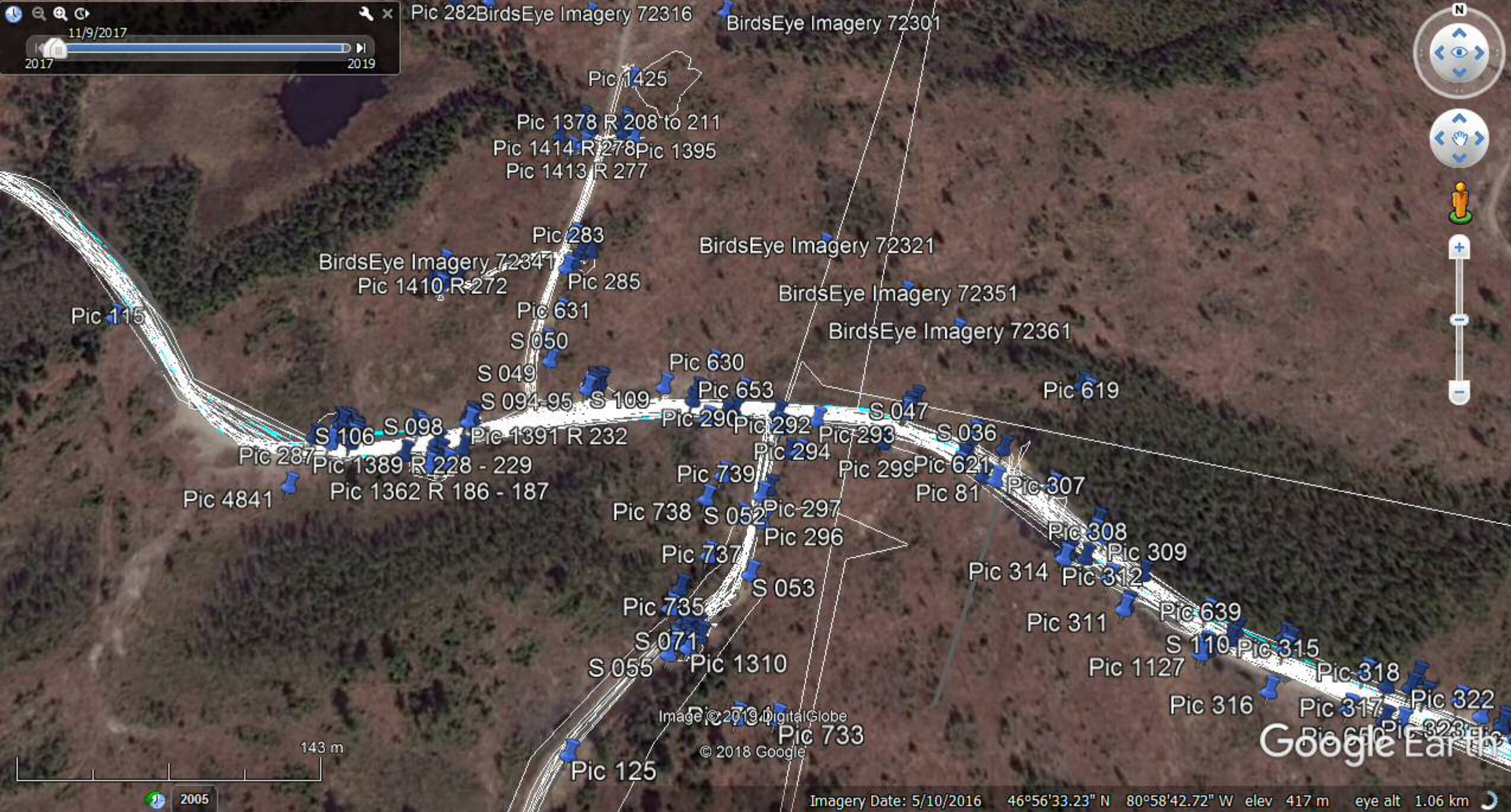
© 2018 Google

Google Earth

Imagery Date: 5/10/2016 46°56'18.30" N 80°58'17.56" W elev 398 m eye alt 2.59 km

Pic 570 2009

488 m



11/9/2017  
2017 2019

N  
+  
-

BirdsEye Imagery 72672  
Pic 1378 R 208 to 211  
Pic 1412 R 276 Pic 633  
Pic 280 Pic 1395  
Pic 1414 R 278

Pic 283  
S 051 Pic 1309  
Pic 285 Pic 284

BirdsEye Imagery 72341  
Pic 1406 R 263  
Pic 1409 R 271 Pic 1405 R 261 - 262  
Pic 1410 R 272

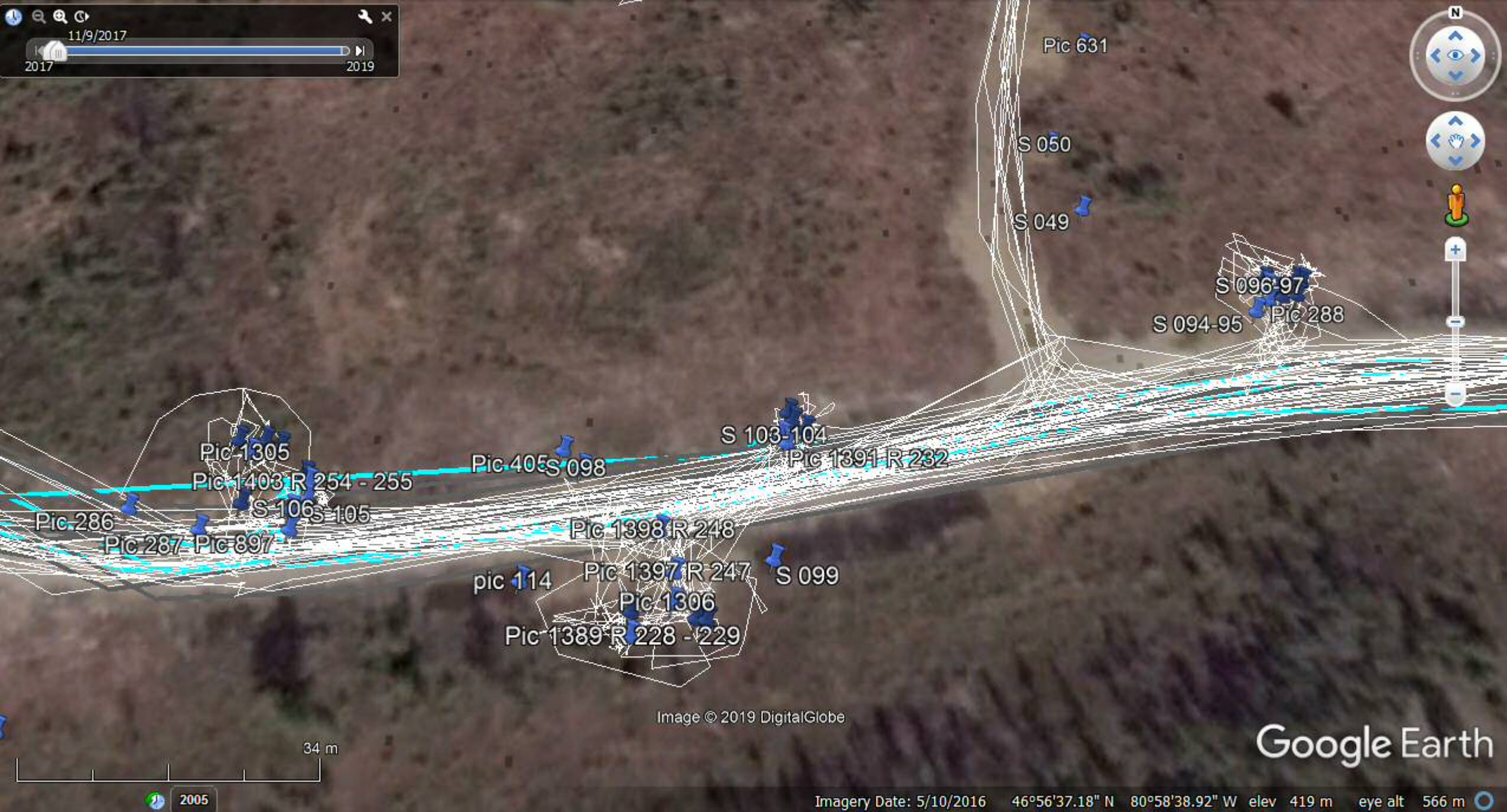
Image © 2019 DigitalGlobe

42 m

Google Earth

11/9/2017  
2017 2019

N  
+  
-



Pic 1305

Pic 1403 R 254 - 255

S 106 S 105

Pic 286

Pic 287 Pic 897

Pic 405 S 098

S 103-104

Pic 1391 R 232

Pic 1398 R 248

pic 114

Pic 1397 R 247

S 099

Pic 1306

Pic 1389 R 228 - 229

Pic 631

S 050

S 049

S 096-97

Pic 288

S 094-95

Image © 2019 DigitalGlobe

Google Earth

34 m

2005

Imagery Date: 5/10/2016 46°56'37.18" N 80°58'38.92" W elev 419 m eye alt 566 m



11/9/2017  
2017 2019

N  
+  
-

Pic 737

S 053

Pic 736

Pic 735

Pic 1292

S 147

1317

Pic 1375 R 199 to 203

Pic 1374 R 197-198

Pic 1072 S 054 - 56

Pic 1416 R 281 to 283

S 064-65-66-91-92-93

Pic 1415 R 279 - 280

Pic 1310

Image © 2019 DigitalGlobe

S 055



Google Earth

2005

Imagery Date: 5/10/2016 46°56'32.48" N 80°58'31.30" W elev 427 m eye alt 487 m

Timeline interface showing a date range from 2017 to 2019. A play button icon is visible. Labels include "Pic 1425", "11/9/2017", "Pic 1395", "2019", "Pic 1413/R 277", and "Pic 1425".

Navigation controls including a compass, a hand icon for panning, a person icon for street view, and a vertical zoom slider with plus and minus buttons.

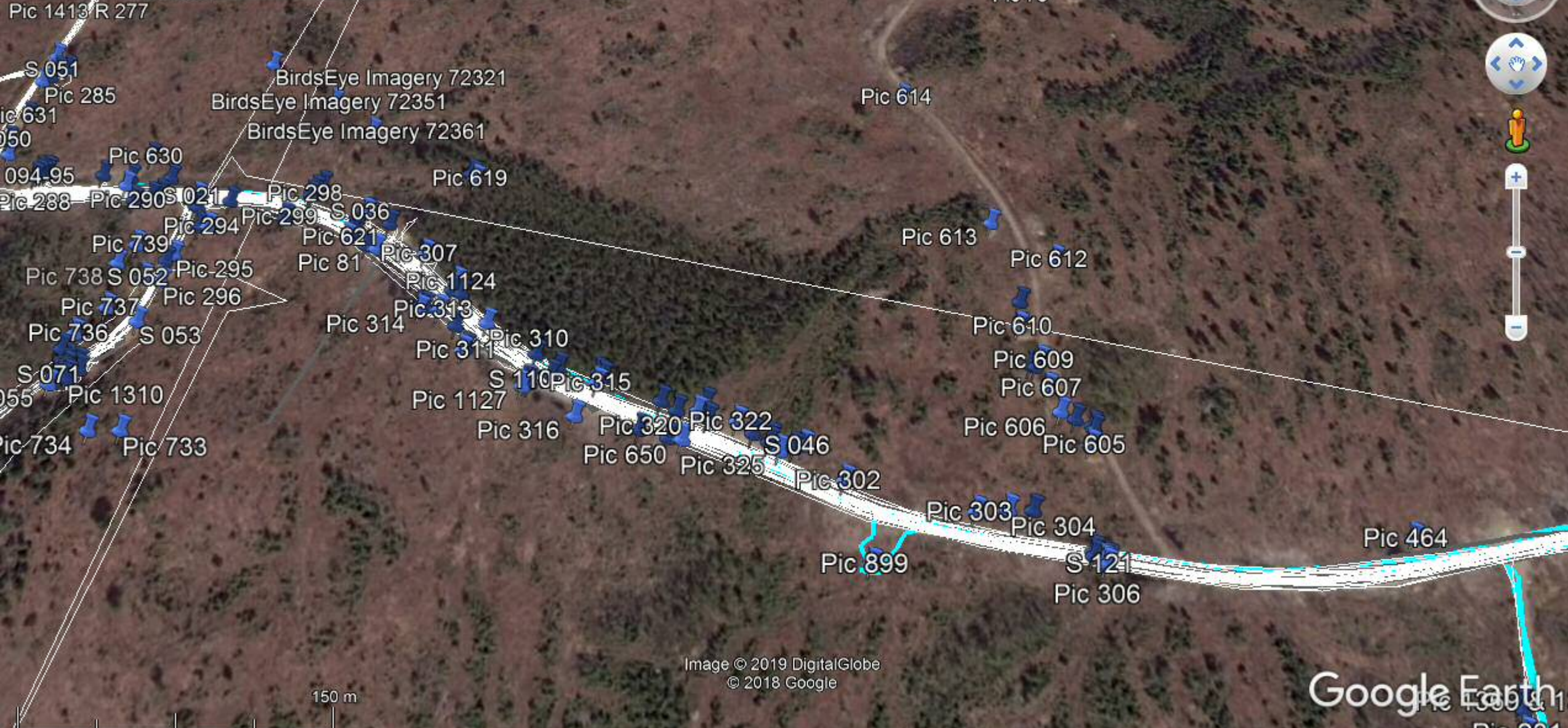


Image © 2019 DigitalGlobe  
© 2018 Google

Google Earth

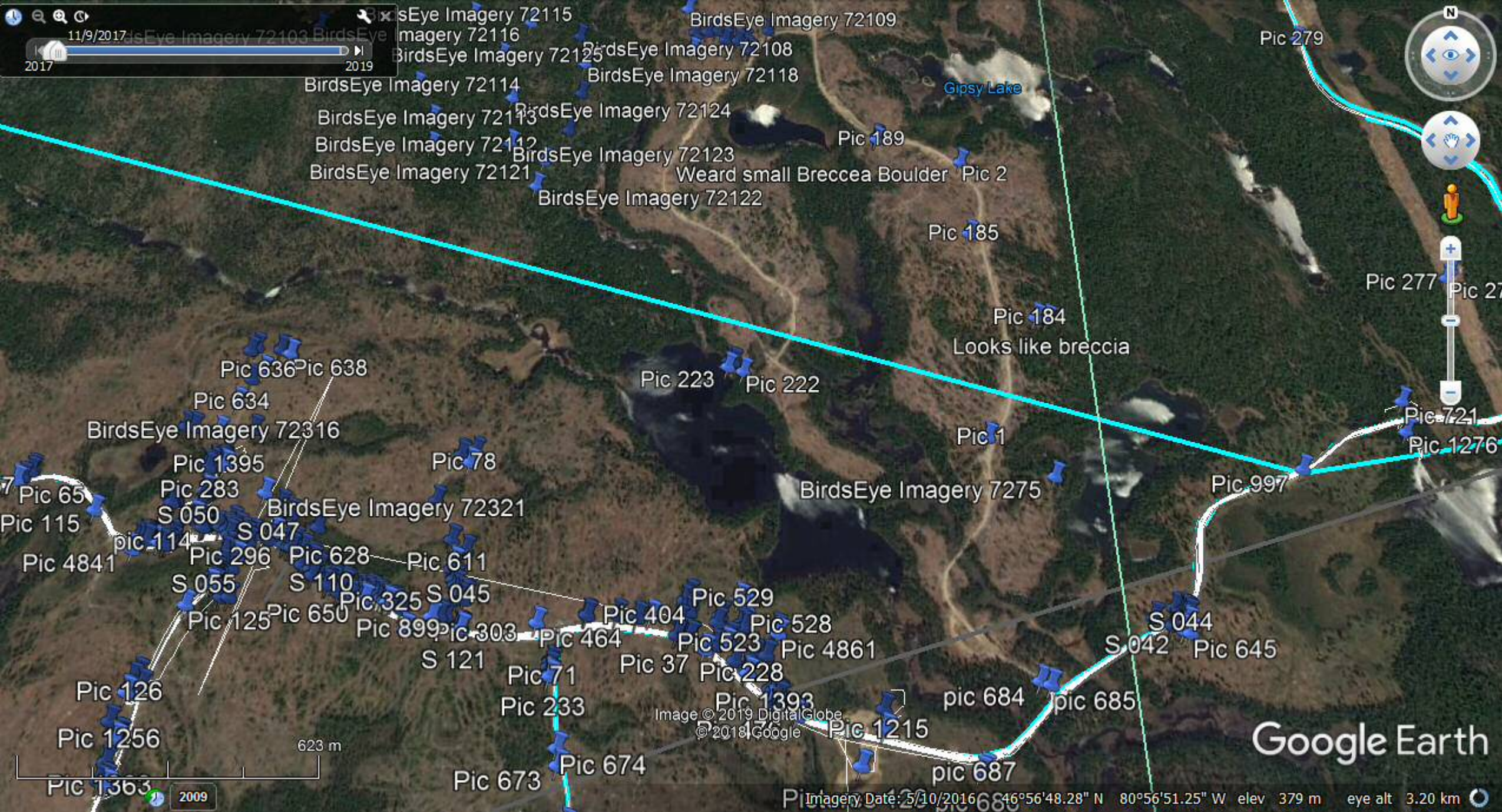
11/9/2017  
Pic 607  
Pic 605  
Pic 303  
Pic 899  
S 121  
Pic 306  
2017

N  
60  
Pic 647  
+  
-  
-



Image © 2019 DigitalGlobe  
© 2018 Google

Google Earth



11/9/2017  
2017 2019

BirdsEye Imagery 72115  
BirdsEye Imagery 72116  
BirdsEye Imagery 72125  
BirdsEye Imagery 72118  
BirdsEye Imagery 72114  
BirdsEye Imagery 72124  
BirdsEye Imagery 72113  
BirdsEye Imagery 72112  
BirdsEye Imagery 72121  
BirdsEye Imagery 72123  
Weard small Breccia Boulder  
BirdsEye Imagery 72122

Gipsy Lake

Pic 279

Pic 189

Pic 185

Pic 184

Looks like breccia

Pic 223

Pic 222

Pic 1

BirdsEye Imagery 7275

Pic 997

Pic 277

Pic 27

Pic 721

Pic 1276

Pic 636 Pic 638

Pic 634

BirdsEye Imagery 72316

Pic 1395

Pic 78

Pic 283

BirdsEye Imagery 72321

Pic 65

Pic 115

pic 114

S 050

S 047

Pic 4841

Pic 296

Pic 628

Pic 611

S 055

S 110

Pic 325

S 045

Pic 529

Pic 125

Pic 650

Pic 899

pic 303

Pic 464

Pic 528

Pic 4861

S 044

S 042

Pic 645

Pic 126

S 121

Pic 71

Pic 37

Pic 228

pic 684

pic 685

Pic 1256

Image © 2019 DigitalGlobe  
© 2018 Google

Pic 1393

Pic 1215

pic 687

Pic 1363

2009

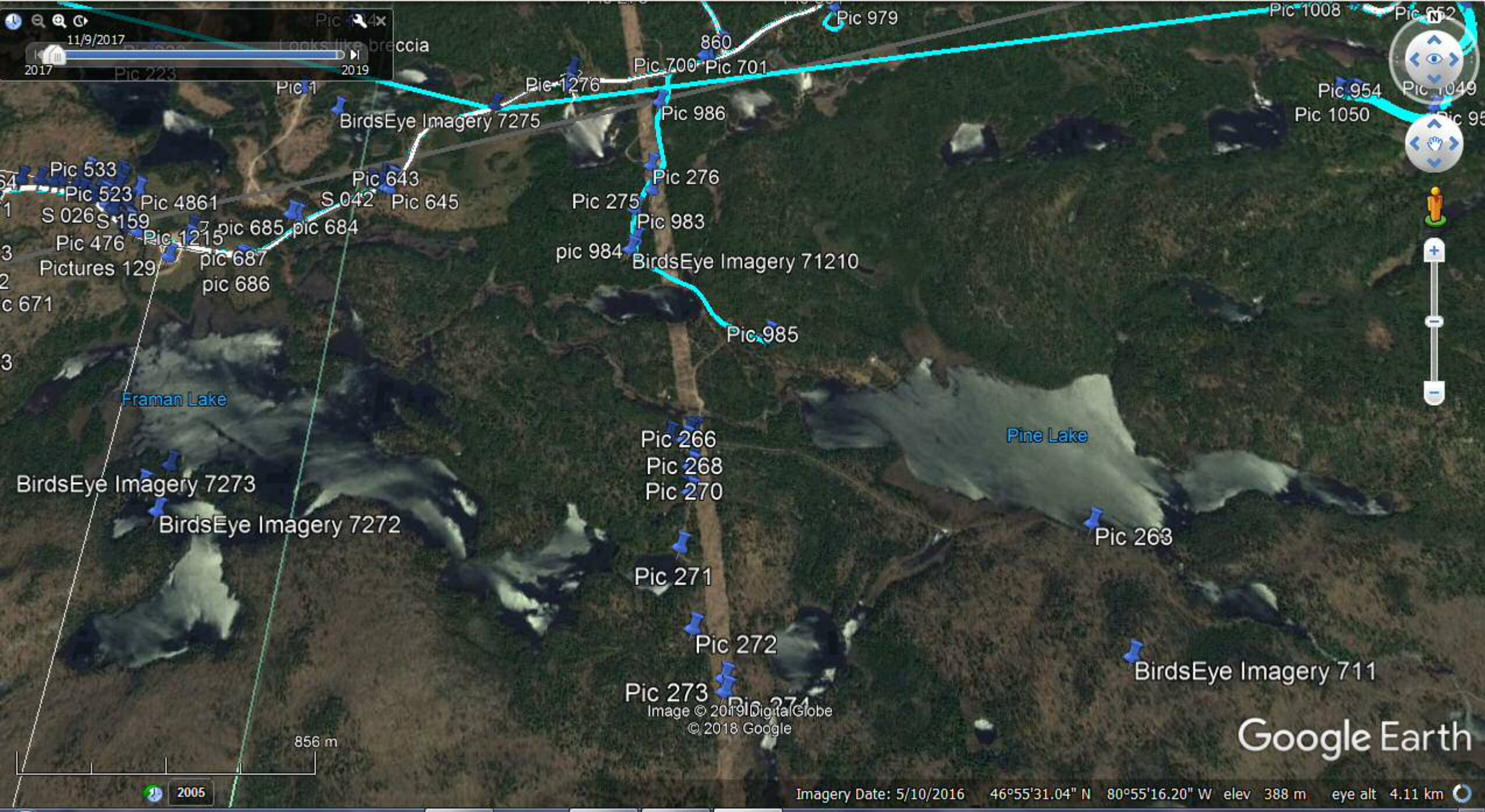
623 m

Pic 673

Pic 674

Imagery Date: 5/10/2016 46°56'48.28" N 80°56'51.25" W elev 379 m eye alt 3.20 km

Google Earth



11/9/2017  
Looks like breccia  
2017  
Pic 223  
2019

Pic 652  
Pic 1049  
Pic 954  
Pic 1050  
Pic 1008  
Pic 979

Pic 533  
Pic 523  
S 026  
S 159  
Pic 476  
Pictures 129  
c 671  
Pic 4861  
pic 685  
pic 684  
pic 687  
pic 686  
Pic 1215  
S 042  
Pic 643  
Pic 645

860  
Pic 700  
Pic 701  
Pic 1276  
Pic 986

Pic 276  
Pic 275  
Pic 983  
pic 984  
BirdsEye Imagery 71210  
Pic 985

Pic 266  
Pic 268  
Pic 270

Pic 271  
Pic 272

Pic 273  
Pic 274  
Image © 2019 DigitalGlobe  
© 2018 Google

Pic 263

BirdsEye Imagery 711

Framan Lake

Pine Lake

BirdsEye Imagery 7273

BirdsEye Imagery 7272

856 m

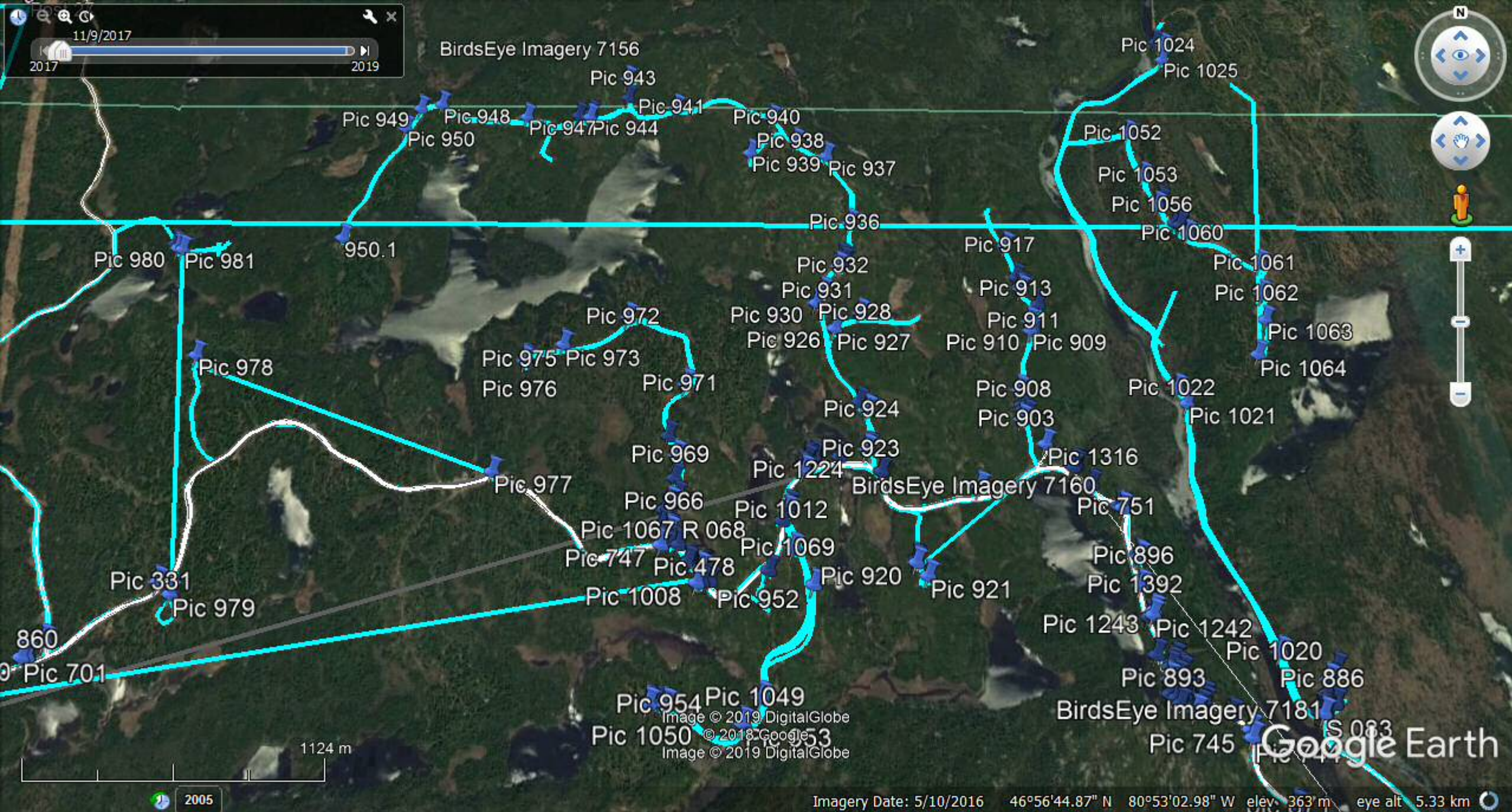
Google Earth

Imagery Date: 5/10/2016 46°55'31.04" N 80°55'16.20" W elev 388 m eye alt 4.11 km

2005

11/9/2017  
2017 2019

BirdsEye Imagery 7156



1124 m

2005



CLIENT NAME: CREELMAN GOLD CORP  
1886 PENAGE LAKE RD  
WHITEFISH, ON P0M 3E0  
705-207-8616

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

PROJECT:

AGAT WORK ORDER: 18T360928

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: Aug 01, 2018

PAGES (INCLUDING COVER): 12

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

\*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



## Certificate of Analysis

AGAT WORK ORDER: 18T360928

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (200-) Sample Login Weight

DATE SAMPLED: Jul 10, 2018

DATE RECEIVED: Jul 11, 2018

DATE REPORTED: Aug 01, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
A614390 (9394153)		1.017
A614391 (9394154)		3.793
A614392 (9394155)		2.513
A614393 (9394156)		2.133
A614394 (9394157)		1.817
A614395 (9394158)		4.329
A614396 (9394159)		2.034
A614397 (9394160)		3.557
A614398 (9394161)		3.140
A614399 (9394162)		2.969
A614400 (9394163)		2.049
A614401 (9394164)		.970
A614402 (9394165)		3.659

Comments: RDL - Reported Detection Limit

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 18T360928

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jul 10, 2018

DATE RECEIVED: Jul 11, 2018

DATE REPORTED: Aug 01, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5
A614390 (9394153)		<1	5.95	<5	<20	61.1	<5	<0.1	0.40	<0.2	11.0	20.1	0.019	0.6	17
A614391 (9394154)		1	<0.01	<5	<20	<0.5	<5	<0.1	<0.05	0.8	49.9	113	<0.005	0.8	<5
A614392 (9394155)		<1	<0.01	<5	<20	<0.5	<5	0.7	<0.05	<0.2	61.4	33.3	<0.005	13.3	<5
A614393 (9394156)		<1	3.88	<5	<20	94.9	<5	0.4	1.86	<0.2	20.3	15.2	0.041	0.6	10
A614394 (9394157)		<1	5.05	<5	<20	86.0	<5	0.1	0.17	<0.2	7.4	1.0	0.021	0.5	<5
A614395 (9394158)		<1	6.00	<5	<20	160	<5	0.3	5.08	<0.2	32.1	29.0	0.010	0.5	821
A614396 (9394159)		<1	1.42	<5	<20	48.3	<5	0.1	29.8	<0.2	131	6.1	<0.005	<0.1	93
A614397 (9394160)		<1	5.38	<5	<20	695	<5	0.4	0.25	<0.2	65.3	16.8	0.025	1.2	24
A614398 (9394161)		<1	7.05	19	<20	751	<5	0.4	0.13	<0.2	25.4	21.2	0.034	2.8	8
A614399 (9394162)		<1	8.48	22	<20	1140	<5	2.0	0.25	<0.2	6.8	3.3	0.014	2.8	10
A614400 (9394163)		<1	0.98	6	<20	210	<5	2.5	0.25	<0.2	95.9	22.6	0.025	0.3	7
A614401 (9394164)		<1	3.11	<5	<20	556	<5	0.6	0.09	<0.2	48.7	14.3	0.025	1.7	8
A614402 (9394165)		<1	7.07	<5	36	925	<5	0.5	0.89	<0.2	47.0	21.7	0.025	5.8	47

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
A614390 (9394153)		1.16	0.69	0.30	1.87	11.9	1.21	1	3	0.23	<0.2	0.35	4.5	14	0.10
A614391 (9394154)		5.19	2.86	1.87	<0.01	22.7	5.78	2	4	1.01	<0.2	<0.05	21.9	<10	0.38
A614392 (9394155)		3.07	1.73	1.06	<0.01	24.0	3.59	2	3	0.59	<0.2	<0.05	30.7	<10	0.28
A614393 (9394156)		1.51	0.86	0.47	2.95	16.6	1.74	1	1	0.30	<0.2	0.30	9.8	29	0.17
A614394 (9394157)		1.75	1.31	<0.05	0.43	22.1	1.12	3	1	0.36	<0.2	1.09	3.0	<10	0.34
A614395 (9394158)		1.71	1.00	0.85	4.14	14.8	2.28	1	2	0.36	<0.2	0.56	16.8	24	0.16
A614396 (9394159)		16.4	9.25	4.63	1.47	4.66	15.4	<1	<1	3.15	<0.2	0.26	54.8	<10	1.47
A614397 (9394160)		1.10	0.60	0.78	3.15	13.9	2.33	1	3	0.20	<0.2	2.16	28.2	30	0.10
A614398 (9394161)		2.43	1.86	0.58	3.11	19.4	1.86	1	15	0.55	<0.2	3.65	10.0	18	0.38
A614399 (9394162)		2.02	1.72	0.37	3.86	23.2	1.07	1	6	0.48	<0.2	4.86	3.0	23	0.35
A614400 (9394163)		1.45	0.42	1.49	1.83	2.50	4.44	1	<1	0.18	<0.2	0.61	52.6	<10	<0.05
A614401 (9394164)		1.35	0.62	1.17	1.55	7.23	2.55	2	1	0.22	<0.2	1.82	24.0	<10	0.08
A614402 (9394165)		2.91	1.91	0.76	3.53	17.4	3.16	2	4	0.63	<0.2	3.53	22.6	44	0.27

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T360928

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jul 10, 2018

DATE RECEIVED: Jul 11, 2018

DATE REPORTED: Aug 01, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg % 0.01	Mn ppm 10	Mo ppm 2	Nb ppm 1	Nd ppm 0.1	Ni ppm 5	P % 0.01	Pb ppm 5	Pr ppm 0.05	Rb ppm 0.2	S % 0.01	Sb ppm 0.1	Sc ppm 5	Si % 0.01
A614390 (9394153)		0.83	245	9	3	4.8	29	0.04	<5	1.22	16.6	<0.01	2.0	<5	30.6
A614391 (9394154)		<0.01	<10	5	11	26.7	<5	<0.01	45	6.55	24.2	<0.01	0.6	<5	<0.01
A614392 (9394155)		<0.01	<10	4	9	24.6	<5	<0.01	14	7.03	158	<0.01	0.9	<5	<0.01
A614393 (9394156)		2.21	421	25	4	9.4	91	0.04	<5	2.43	26.1	<0.01	0.2	8	38.4
A614394 (9394157)		0.04	42	8	39	3.0	6	<0.01	<5	0.86	86.2	<0.01	0.1	<5	40.4
A614395 (9394158)		2.41	851	7	2	13.9	45	0.03	<5	3.65	18.9	0.18	0.3	15	28.7
A614396 (9394159)		0.91	5420	<2	<1	67.5	20	0.02	<5	16.8	9.6	<0.01	<0.1	11	7.59
A614397 (9394160)		1.02	159	13	3	24.9	37	0.02	8	6.80	80.3	0.21	0.2	5	36.2
A614398 (9394161)		1.83	197	10	8	9.2	46	0.03	5	2.60	168	0.20	0.1	11	32.0
A614399 (9394162)		1.79	199	7	14	3.3	29	0.04	<5	0.84	229	0.20	0.3	13	29.3
A614400 (9394163)		0.07	66	23	<1	40.4	14	<0.01	12	10.8	19.8	1.15	0.2	<5	43.2
A614401 (9394164)		0.52	71	21	1	21.5	18	0.01	<5	5.71	62.9	0.45	0.1	<5	39.8
A614402 (9394165)		1.83	378	9	7	19.6	62	0.05	18	5.51	162	0.39	0.4	13	31.6
Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm 0.1	Sn ppm 1	Sr ppm 0.1	Ta ppm 0.5	Tb ppm 0.05	Th ppm 0.1	Ti % 0.01	Tl ppm 0.5	Tm ppm 0.05	U ppm 0.05	V ppm 5	W ppm 1	Y ppm 0.5	Yb ppm 0.1
A614390 (9394153)		1.2	<1	79.6	<0.5	0.20	4.1	0.14	<0.5	0.10	1.53	32	<1	6.7	0.7
A614391 (9394154)		5.9	2	1.2	<0.5	0.90	2.4	<0.01	<0.5	0.40	0.51	<5	<1	28.9	2.6
A614392 (9394155)		4.8	3	<0.1	0.5	0.55	13.4	<0.01	1.2	0.27	3.70	<5	1	16.8	1.8
A614393 (9394156)		1.9	3	316	<0.5	0.26	2.3	0.19	<0.5	0.14	1.55	80	<1	10.1	1.0
A614394 (9394157)		1.1	6	55.8	6.7	0.24	3.1	0.01	<0.5	0.24	1.78	<5	<1	12.6	2.0
A614395 (9394158)		2.5	<1	135	<0.5	0.32	1.1	0.26	<0.5	0.13	0.39	129	<1	11.0	0.9
A614396 (9394159)		16.1	<1	262	<0.5	2.65	0.7	0.06	<0.5	1.34	0.21	25	<1	90.4	9.8
A614397 (9394160)		3.8	1	48.6	<0.5	0.26	6.6	0.16	<0.5	0.10	2.39	43	<1	6.0	0.7
A614398 (9394161)		2.0	2	27.8	<0.5	0.33	21.3	0.36	0.7	0.30	9.43	72	<1	16.3	2.3
A614399 (9394162)		0.9	3	76.6	0.8	0.23	20.0	0.34	1.1	0.30	7.38	92	<1	14.5	2.2
A614400 (9394163)		7.0	2	15.9	<0.5	0.44	2.2	0.02	<0.5	0.06	0.62	<5	<1	4.8	0.4
A614401 (9394164)		3.5	<1	39.5	<0.5	0.31	2.5	0.07	<0.5	0.09	1.50	20	<1	6.6	0.5
A614402 (9394165)		3.7	2	87.8	<0.5	0.51	9.8	0.30	1.3	0.26	3.83	91	<1	18.0	1.8

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T360928

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jul 10, 2018

DATE RECEIVED: Jul 11, 2018

DATE REPORTED: Aug 01, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
A614390 (9394153)		24	124
A614391 (9394154)		<5	175
A614392 (9394155)		<5	127
A614393 (9394156)		45	57.2
A614394 (9394157)		<5	10.8
A614395 (9394158)		26	73.8
A614396 (9394159)		<5	27.6
A614397 (9394160)		18	121
A614398 (9394161)		14	626
A614399 (9394162)		28	251
A614400 (9394163)		<5	34.0
A614401 (9394164)		13	44.5
A614402 (9394165)		74	179

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T360928

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

DATE SAMPLED: Jul 10, 2018

DATE RECEIVED: Jul 11, 2018

DATE REPORTED: Aug 01, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Au ppm 0.001	Pd ppm 0.001	Pt ppm 0.005
A614390 (9394153)		0.013	<0.001	<0.005
A614391 (9394154)		0.010	<0.001	<0.005
A614392 (9394155)		0.019	0.003	<0.005
A614393 (9394156)		0.019	<0.001	<0.005
A614394 (9394157)		0.002	<0.001	<0.005
A614395 (9394158)		0.021	<0.001	<0.005
A614396 (9394159)		0.004	<0.001	<0.005
A614397 (9394160)		0.002	<0.001	<0.005
A614398 (9394161)		0.002	0.002	<0.005
A614399 (9394162)		0.005	0.002	<0.005
A614400 (9394163)		0.006	<0.001	<0.005
A614401 (9394164)		0.002	<0.001	<0.005
A614402 (9394165)		0.004	0.001	<0.005

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2							
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Ag	9394153	< 1	< 1	0.0%	9394160	< 1	< 1	0.0%				
Al	9394153	5.95	6.05	1.7%	9394160	5.38	5.32	1.1%				
As	9394153	< 5	< 5	0.0%	9394160	< 5	< 5	0.0%				
B	9394153	< 20	< 20	0.0%	9394160	< 20	< 20	0.0%				
Ba	9394153	61.1	59.9	2.0%	9394160	695	691	0.6%				
Be	9394153	< 5	< 5	0.0%	9394160	< 5	< 5	0.0%				
Bi	9394153	< 0.1	< 0.1	0.0%	9394160	0.4	0.4	0.0%				
Ca	9394153	0.403	0.420	4.1%	9394160	0.25	0.24	4.1%				
Cd	9394153	< 0.2	< 0.2	0.0%	9394160	< 0.2	< 0.2	0.0%				
Ce	9394153	11.0	11.2	1.8%	9394160	65.3	65.7	0.6%				
Co	9394153	20.1	15.9	23.3%	9394160	16.8	17.0	1.2%				
Cr	9394153	0.0191	0.0196	2.6%	9394160	0.025	0.025	0.0%				
Cs	9394153	0.6	0.6	0.0%	9394160	1.24	1.32	6.3%				
Cu	9394153	17	13	26.7%	9394160	24	25	4.1%				
Dy	9394153	1.16	1.18	1.7%	9394160	1.10	1.09	0.9%				
Er	9394153	0.689	0.746	7.9%	9394160	0.605	0.666	9.6%				
Eu	9394153	0.30	0.30	0.0%	9394160	0.779	0.761	2.3%				
Fe	9394153	1.87	1.88	0.5%	9394160	3.15	3.13	0.6%				
Ga	9394153	11.9	11.9	0.0%	9394160	13.9	13.7	1.4%				
Gd	9394153	1.21	1.16	4.2%	9394160	2.33	2.31	0.9%				
Ge	9394153	1	< 1		9394160	1	1	0.0%				
Hf	9394153	3	3	0.0%	9394160	3	3	0.0%				
Ho	9394153	0.227	0.236	3.9%	9394160	0.20	0.20	0.0%				
In	9394153	< 0.2	< 0.2	0.0%	9394160	< 0.2	< 0.2	0.0%				
K	9394153	0.354	0.365	3.1%	9394160	2.16	2.14	0.9%				
La	9394153	4.54	4.70	3.5%	9394160	28.2	28.5	1.1%				
Li	9394153	14	17	19.4%	9394160	30	30	0.0%				
Lu	9394153	0.10	0.10	0.0%	9394160	0.10	0.11	9.5%				
Mg	9394153	0.83	0.83	0.0%	9394160	1.02	1.02	0.0%				
Mn	9394153	245	244	0.4%	9394160	159	158	0.6%				
Mo	9394153	9	10	10.5%	9394160	13	14	7.4%				



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

Nb	9394153	3	3	0.0%	9394160	3	3	0.0%									
Nd	9394153	4.8	4.9	2.1%	9394160	24.9	25.0	0.4%									
Ni	9394153	29	29	0.0%	9394160	37	35	5.6%									
P	9394153	0.035	0.034	2.9%	9394160	0.02	0.02	0.0%									
Pb	9394153	< 5	< 5	0.0%	9394160	8	8	0.0%									
Pr	9394153	1.22	1.24	1.6%	9394160	6.80	6.84	0.6%									
Rb	9394153	16.6	17.5	5.3%	9394160	80.3	80.1	0.2%									
S	9394153	< 0.01	< 0.01	0.0%	9394160	0.215	0.225	4.5%									
Sb	9394153	2.03	2.07	2.0%	9394160	0.2	0.2	0.0%									
Sc	9394153	< 5	< 5	0.0%	9394160	5	5	0.0%									
Si	9394153	30.6	31.0	1.3%	9394160	36.2	35.8	1.1%									
Sm	9394153	1.2	1.2	0.0%	9394160	3.8	4.0	5.1%									
Sn	9394153	< 1	< 1	0.0%	9394160	1	1	0.0%									
Sr	9394153	79.6	81.0	1.7%	9394160	48.6	46.8	3.8%									
Ta	9394153	< 0.5	< 0.5	0.0%	9394160	< 0.5	< 0.5	0.0%									
Tb	9394153	0.198	0.206	4.0%	9394160	0.263	0.268	1.9%									
Th	9394153	4.13	4.30	4.0%	9394160	6.61	6.78	2.5%									
Ti	9394153	0.14	0.14	0.0%	9394160	0.16	0.16	0.0%									
Tl	9394153	< 0.5	< 0.5	0.0%	9394160	< 0.5	< 0.5	0.0%									
Tm	9394153	0.10	0.10	0.0%	9394160	0.10	0.10	0.0%									
U	9394153	1.53	1.46	4.7%	9394160	2.39	2.39	0.0%									
V	9394153	32	32	0.0%	9394160	43	43	0.0%									
W	9394153	< 1	< 1	0.0%	9394160	< 1	< 1	0.0%									
Y	9394153	6.66	6.65	0.2%	9394160	5.99	5.81	3.1%									
Yb	9394153	0.7	0.7	0.0%	9394160	0.7	0.7	0.0%									
Zn	9394153	24	24	0.0%	9394160	18	20	10.5%									
Zr	9394153	124	124	0.0%	9394160	121	130	7.2%									

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

Parameter	REPLICATE #1				REPLICATE #2												
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD									
Au	9394153	0.013	0.038	98.0%	9394160	0.0016	0.0013	20.7%									
Pd	9394153	< 0.001	< 0.001	0.0%	9394160	< 0.001	< 0.001	0.0%									
Pt	9394153	< 0.005	< 0.005	0.0%	9394160	< 0.005	< 0.005	0.0%									



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)																	
	Expect	Actual	Recovery	Limits														
Al	10.95	10.8	99%	90% - 110%														
Ba	340	326	96%	90% - 110%														
Be	2.6	2.7	105%	90% - 110%														
Ca	5.72	5.83	102%	90% - 110%														
Ce	122	129	106%	90% - 110%														
Co	2.8	2.7	97%	90% - 110%														
Cs	1.5	1.6	106%	90% - 110%														
Cu	7	5.00	71%	90% - 110%														
Dy	18.2	19.4	106%	90% - 110%														
Er	14.2	15.2	107%	90% - 110%														
Eu	2.0	1.9	93%	90% - 110%														
Fe	4.34	4.30	99%	90% - 110%														
Ga	35	36	102%	90% - 110%														
Gd	14	14.3	102%	90% - 110%														
Hf	10.6	10.3	97%	90% - 110%														
Ho	4.3	4.4	102%	90% - 110%														
K	1.37	1.34	97%	90% - 110%														
La	58	60	103%	90% - 110%														
Li	37	38.5	104%	90% - 110%														
Lu	2.1	2.1	99%	90% - 110%														
Mg	0.325	0.308	95%	90% - 110%														
Mn	836	759	91%	90% - 110%														
Nb	13	13	99%	90% - 110%														
Nd	57	57	101%	90% - 110%														
Ni	9	6.66	74%	90% - 110%														
Pb	10	9	93%	90% - 110%														
Pr	15.0	15.5	104%	90% - 110%														
Rb	55	56	101%	90% - 110%														
Si	23.3	21.9	94%	90% - 110%														
Sm	12.7	13.3	105%	90% - 110%														
Sn	7.1	7.5	105%	90% - 110%														



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

Sr	1191	1190	100%	90% - 110%														
Ta	0.9	0.9	101%	90% - 110%														
Tb	2.6	2.8	107%	90% - 110%														
Th	1.4	1.4	99%	90% - 110%														
Ti	0.172	0.163	95%	90% - 110%														
Tm	2.3	2.3	99%	90% - 110%														
U	0.8	0.9	107%	90% - 110%														
V	8	5.83	73%	90% - 110%														
Y	119	122	103%	90% - 110%														
Yb	14.8	15.1	102%	90% - 110%														
Zn	93	92.8	100%	90% - 110%														
Zr	517	564	109%	90% - 110%														

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

CRM #1 (ref.PG129)																		
Parameter	Expect	Actual	Recovery	Limits														
Au	1.1	1.1	96%	90% - 110%														
Pd	0.115	0.115	100%	90% - 110%														
Pt	0.239	0.235	98%	90% - 110%														





## Method Summary

CLIENT NAME: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T360928

PROJECT:

ATTENTION TO: GUY EUGENE RICHARD; RYAN

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T360928

PROJECT:

ATTENTION TO: GUY EUGENE RICHARD; RYAN

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pd	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pt	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES



CLIENT NAME: CREELMAN GOLD CORP  
1886 PENAGE LAKE RD  
WHITEFISH, ON P0M 3E0  
705-207-8616

ATTENTION TO: Guy Richard; RYAN MCILVENNA

PROJECT: Creelman Gold Corp

AGAT WORK ORDER: 18T350441

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: Jul 11, 2018

PAGES (INCLUDING COVER): 14

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

\*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



## Certificate of Analysis

AGAT WORK ORDER: 18T350441

PROJECT: Creelman Gold Corp

5623 McADAM ROAD  
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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: Guy Richard; RYAN MCILVENNA

### (200-) Sample Login Weight

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 13, 2018

DATE REPORTED: Jul 11, 2018

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
1 (9329355)		2.211
2 (9329356)		1.856
3 (9329357)		1.513
4 (9329358)		1.008
5 (9329359)		2.274
6 (9329360)		1.034
7 (9329361)		2.153
8 (9329362)		.690
9 (9329363)		1.655
10 (9329364)		2.147
11 (9329365)		1.042
12 (9329366)		2.477
13 (9329367)		1.145
14 (9329368)		4.238
15 (9329369)		4.195
16 (9329370)		4.797

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T350441

PROJECT: Creelman Gold Corp

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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: Guy Richard; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 13, 2018

DATE REPORTED: Jul 11, 2018

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5
1 (9329355)		<1	5.56	11	<20	497	<5	11.3	0.12	0.2	68.4	23.0	0.054	6.9	170
2 (9329356)		1	4.60	19	<20	420	<5	19.9	0.11	0.2	101	47.3	0.055	5.1	224
3 (9329357)		2	4.29	22	<20	363	<5	31.2	0.11	<0.2	59.6	27.3	0.033	5.2	195
4 (9329358)		<1	5.90	<5	<20	666	<5	0.5	0.22	<0.2	38.2	10.4	0.026	21.4	36
5 (9329359)		<1	2.82	<5	<20	275	<5	0.2	0.34	<0.2	14.0	4.1	0.031	3.2	22
6 (9329360)		<1	4.49	<5	<20	417	<5	0.4	0.72	<0.2	17.1	9.6	0.035	3.1	37
7 (9329361)		<1	7.57	<5	<20	416	<5	0.9	0.71	<0.2	18.2	34.1	0.021	36.4	46
8 (9329362)		<1	7.45	<5	<20	323	6	0.5	0.41	<0.2	20.2	1.8	0.025	22.8	12
9 (9329363)		<1	8.76	<5	33	536	<5	0.3	0.48	<0.2	77.8	21.5	0.020	8.5	89
10 (9329364)		<1	8.46	<5	<20	372	<5	0.3	1.63	<0.2	60.2	22.7	0.021	2.3	66
11 (9329365)		<1	8.93	<5	<20	438	<5	0.1	1.71	<0.2	71.5	24.8	0.023	1.9	39
12 (9329366)		<1	7.50	<5	<20	494	<5	0.5	1.36	<0.2	56.6	24.2	0.025	2.3	222
13 (9329367)		<1	8.81	<5	<20	784	<5	0.2	1.49	<0.2	59.0	24.2	0.021	4.8	56
14 (9329368)		2	6.69	<5	<20	59.4	<5	5.9	0.12	<0.2	1.4	1.0	0.028	19.8	11
15 (9329369)		<1	2.30	<5	<20	35.9	<5	1.7	0.11	<0.2	1.2	0.8	0.029	4.9	9
16 (9329370)		<1	5.20	<5	<20	514	<5	0.6	0.32	0.4	41.5	3.6	0.024	6.7	27

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T350441

PROJECT: Creelman Gold Corp

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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: Guy Richard; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 13, 2018

DATE REPORTED: Jul 11, 2018

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
1 (9329355)		8.07	5.46	0.89	3.13	14.1	6.81	<1	25	1.74	<0.2	3.34	31.9	36	0.95
2 (9329356)		10.2	6.57	1.07	3.50	12.2	8.96	<1	34	2.18	<0.2	2.69	47.1	30	1.08
3 (9329357)		4.44	2.60	0.61	4.73	11.2	4.84	<1	7	0.91	<0.2	2.31	28.8	21	0.41
4 (9329358)		2.00	1.49	0.39	3.24	17.9	2.43	1	7	0.44	<0.2	2.90	18.5	56	0.33
5 (9329359)		0.68	0.35	0.21	1.06	8.15	0.97	1	2	0.12	<0.2	0.89	7.3	19	0.07
6 (9329360)		0.96	0.54	0.34	1.63	12.2	1.33	1	2	0.19	<0.2	1.17	8.4	28	0.09
7 (9329361)		2.96	1.85	0.65	8.02	18.1	2.57	1	3	0.66	<0.2	2.63	7.8	150	0.29
8 (9329362)		2.35	1.18	0.28	0.78	27.5	2.53	2	3	0.39	<0.2	4.04	8.7	17	0.19
9 (9329363)		3.46	1.99	1.19	4.58	21.5	5.00	1	5	0.70	<0.2	3.49	39.9	18	0.29
10 (9329364)		2.71	1.49	0.99	4.64	19.9	4.09	1	3	0.52	<0.2	1.46	30.1	25	0.22
11 (9329365)		2.90	1.64	1.00	4.90	22.4	4.22	1	3	0.57	<0.2	1.34	32.5	24	0.25
12 (9329366)		2.33	1.31	0.96	3.73	16.2	3.64	1	4	0.45	<0.2	1.48	27.7	29	0.20
13 (9329367)		2.94	1.69	0.98	4.94	20.9	3.99	1	3	0.59	<0.2	2.52	29.5	43	0.27
14 (9329368)		0.87	0.43	0.06	1.11	59.2	0.47	2	<1	0.17	<0.2	2.21	0.5	29	0.07
15 (9329369)		0.48	0.27	<0.05	0.45	14.7	0.41	2	<1	0.10	<0.2	0.79	0.5	<10	<0.05
16 (9329370)		3.37	2.29	0.31	1.33	18.7	3.32	2	6	0.72	<0.2	1.54	18.7	34	0.43

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## Certificate of Analysis

AGAT WORK ORDER: 18T350441

PROJECT: Creelman Gold Corp

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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: Guy Richard; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 13, 2018

DATE REPORTED: Jul 11, 2018

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg % 0.01	Mn ppm 10	Mo ppm 2	Nb ppm 1	Nd ppm 0.1	Ni ppm 5	P % 0.01	Pb ppm 5	Pr ppm 0.05	Rb ppm 0.2	S % 0.01	Sb ppm 0.1	Sc ppm 5	Si % 0.01
1 (9329355)		1.18	303	42	18	29.3	40	0.03	67	8.18	223	0.89	0.3	10	34.4
2 (9329356)		0.84	217	48	22	41.7	56	0.03	56	11.8	180	1.91	0.5	9	34.7
3 (9329357)		0.71	133	35	12	23.2	21	0.04	32	6.63	151	2.56	3.9	5	32.4
4 (9329358)		1.54	460	21	15	15.5	157	0.01	29	4.34	214	0.08	0.2	9	33.4
5 (9329359)		0.40	160	19	4	5.9	11	0.02	7	1.61	67.3	0.10	<0.1	<5	39.5
6 (9329360)		0.61	286	24	8	7.9	21	0.03	9	2.06	103	0.27	<0.1	<5	34.0
7 (9329361)		4.93	1540	11	5	7.9	72	0.11	<5	2.02	234	0.09	<0.1	25	23.2
8 (9329362)		0.17	215	16	37	9.0	6	0.05	20	2.38	449	<0.01	<0.1	<5	32.1
9 (9329363)		1.68	310	5	9	31.1	69	0.06	<5	8.83	186	<0.01	0.2	17	27.6
10 (9329364)		1.96	482	5	7	24.9	76	0.08	7	6.95	77.1	0.04	<0.1	16	27.8
11 (9329365)		2.30	534	5	8	26.6	90	0.08	7	7.28	74.6	0.03	<0.1	19	26.7
12 (9329366)		1.65	575	8	6	23.0	59	0.07	5	6.43	71.1	0.09	0.1	12	29.8
13 (9329367)		2.23	681	5	8	24.3	83	0.08	7	6.69	138	0.03	<0.1	18	26.9
14 (9329368)		0.06	162	18	107	0.7	6	0.01	<5	0.17	620	<0.01	<0.1	<5	33.3
15 (9329369)		0.03	57	20	25	0.7	7	0.02	<5	0.16	151	<0.01	<0.1	<5	40.3
16 (9329370)		0.52	269	267	31	16.8	13	0.01	11	4.85	204	0.04	<0.1	<5	34.8

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## Certificate of Analysis

AGAT WORK ORDER: 18T350441

PROJECT: Creelman Gold Corp

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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: Guy Richard; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018

DATE RECEIVED: Jun 13, 2018

DATE REPORTED: Jul 11, 2018

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm 0.1	Sn ppm 1	Sr ppm 0.1	Ta ppm 0.5	Tb ppm 0.05	Th ppm 0.1	Ti % 0.01	Tl ppm 0.5	Tm ppm 0.05	U ppm 0.05	V ppm 5	W ppm 1	Y ppm 0.5	Yb ppm 0.1
1 (9329355)		6.4	4	13.3	2.0	1.23	35.1	0.44	1.3	0.86	29.3	55	5	49.3	6.0
2 (9329356)		8.7	5	12.5	3.4	1.60	62.2	0.49	1.1	1.05	95.6	52	6	58.1	7.0
3 (9329357)		4.8	4	13.6	1.7	0.75	15.0	0.18	0.9	0.40	7.15	29	5	22.3	2.7
4 (9329358)		2.5	12	36.6	2.3	0.34	8.8	0.15	1.3	0.26	2.09	38	3	12.4	1.9
5 (9329359)		1.1	2	70.4	0.7	0.12	1.7	0.07	<0.5	0.06	0.78	15	1	3.6	0.4
6 (9329360)		1.5	2	135	1.6	0.18	2.5	0.12	0.7	0.08	1.23	24	1	5.3	0.6
7 (9329361)		1.8	14	44.7	<0.5	0.45	2.1	0.47	1.7	0.26	0.63	161	<1	17.3	1.8
8 (9329362)		2.4	3	63.2	11.7	0.42	21.3	0.07	2.5	0.18	5.51	9	<1	10.9	1.3
9 (9329363)		5.3	2	76.7	0.7	0.66	12.5	0.39	1.1	0.29	3.49	115	2	18.3	2.0
10 (9329364)		4.4	2	318	0.6	0.53	9.8	0.35	<0.5	0.23	3.68	117	1	14.8	1.4
11 (9329365)		4.5	1	315	0.6	0.58	10.8	0.38	<0.5	0.24	3.76	131	<1	15.9	1.6
12 (9329366)		3.9	1	295	0.5	0.46	8.9	0.29	<0.5	0.20	3.48	84	<1	12.3	1.3
13 (9329367)		4.3	2	310	0.6	0.56	10.5	0.37	1.0	0.25	3.79	123	1	15.8	1.6
14 (9329368)		0.4	13	28.1	19.6	0.12	1.3	0.04	2.8	0.07	2.02	<5	4	2.8	0.5
15 (9329369)		0.3	6	14.5	11.9	0.08	0.6	<0.01	0.7	<0.05	2.02	<5	1	2.3	0.3
16 (9329370)		3.7	5	50.1	8.4	0.55	11.0	0.03	1.0	0.37	4.09	6	1	16.7	2.9

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 18T350441

PROJECT: Creelman Gold Corp

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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: Guy Richard; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 13, 2018	DATE REPORTED: Jul 11, 2018	SAMPLE TYPE: Other
Analyte:	Zn	Zr	
Unit:	ppm	ppm	
RDL:	5	0.5	
Sample ID (AGAT ID)			
1 (9329355)	82	880	
2 (9329356)	51	1310	
3 (9329357)	59	232	
4 (9329358)	98	241	
5 (9329359)	26	53.5	
6 (9329360)	36	75.5	
7 (9329361)	203	118	
8 (9329362)	16	89.7	
9 (9329363)	55	169	
10 (9329364)	43	117	
11 (9329365)	47	104	
12 (9329366)	51	134	
13 (9329367)	73	104	
14 (9329368)	25	7.1	
15 (9329369)	8	1.5	
16 (9329370)	36	110	

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T350441

PROJECT: Creelman Gold Corp

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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: Guy Richard; RYAN MCILVENNA

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

DATE SAMPLED: Jun 13, 2018	DATE RECEIVED: Jun 13, 2018	DATE REPORTED: Jul 11, 2018	SAMPLE TYPE: Other	
	Analyte:	Au	Pd	Pt
	Unit:	ppm	ppm	ppm
Sample ID (AGAT ID)	RDL:	0.001	0.001	0.005
1 (9329355)		0.033	0.001	<0.005
2 (9329356)		0.026	0.005	0.011
3 (9329357)		0.003	<0.001	<0.005
4 (9329358)		0.003	<0.001	<0.005
5 (9329359)		0.001	<0.001	<0.005
6 (9329360)		0.002	<0.001	<0.005
7 (9329361)		<0.001	<0.001	<0.005
8 (9329362)		<0.001	<0.001	<0.005
9 (9329363)		<0.001	<0.001	<0.005
10 (9329364)		0.003	0.002	<0.005
11 (9329365)		0.002	0.002	<0.005
12 (9329366)		0.009	0.001	<0.005
13 (9329367)		0.003	0.002	<0.005
14 (9329368)		<0.001	<0.001	<0.005
15 (9329369)		<0.001	<0.001	<0.005
16 (9329370)		0.001	<0.001	<0.005

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: Guy Richard; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2											
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	9329355	< 1	< 1	0.0%	9329364	< 1	< 1	0.0%								
Al	9329355	5.56	5.47	1.6%	9329364	8.46	8.15	3.7%								
As	9329355	11	10	9.5%	9329364	< 5	< 5	0.0%								
B	9329355	< 20	< 20	0.0%	9329364	< 20	< 20	0.0%								
Ba	9329355	497	504	1.4%	9329364	372	358	3.8%								
Be	9329355	< 5	< 5	0.0%	9329364	< 5	< 5	0.0%								
Bi	9329355	11.3	11.0	2.7%	9329364	0.3	0.3	0.0%								
Ca	9329355	0.12	0.11	8.7%	9329364	1.63	1.59	2.5%								
Cd	9329355	0.2	0.2	0.0%	9329364	< 0.2	< 0.2	0.0%								
Ce	9329355	68.4	63.3	7.7%	9329364	60.2	61.8	2.6%								
Co	9329355	23.0	22.9	0.4%	9329364	22.7	22.7	0.0%								
Cr	9329355	0.054	0.049	9.7%	9329364	0.021	0.021	0.0%								
Cs	9329355	6.86	6.69	2.5%	9329364	2.3	2.3	0.0%								
Cu	9329355	170	181	6.3%	9329364	66	61	7.9%								
Dy	9329355	8.07	7.77	3.8%	9329364	2.71	2.79	2.9%								
Er	9329355	5.46	5.19	5.1%	9329364	1.49	1.53	2.6%								
Eu	9329355	0.885	0.759	15.3%	9329364	0.995	1.05	5.4%								
Fe	9329355	3.13	3.03	3.2%	9329364	4.64	4.51	2.8%								
Ga	9329355	14.1	14.2	0.7%	9329364	19.9	20.2	1.5%								
Gd	9329355	6.81	6.52	4.4%	9329364	4.09	4.15	1.5%								
Ge	9329355	< 1	1		9329364	1	1	0.0%								
Hf	9329355	25	24	4.1%	9329364	3	3	0.0%								
Ho	9329355	1.74	1.69	2.9%	9329364	0.521	0.548	5.1%								
In	9329355	< 0.2	< 0.2	0.0%	9329364	< 0.2	< 0.2	0.0%								
K	9329355	3.34	3.25	2.7%	9329364	1.46	1.43	2.1%								
La	9329355	31.9	29.8	6.8%	9329364	30.1	30.6	1.6%								
Li	9329355	36	35	2.8%	9329364	25	24	4.1%								
Lu	9329355	0.95	0.89	6.5%	9329364	0.221	0.230	4.0%								
Mg	9329355	1.18	1.18	0.0%	9329364	1.96	1.89	3.6%								
Mn	9329355	303	298	1.7%	9329364	482	461	4.5%								
Mo	9329355	42	38	10.0%	9329364	5	5	0.0%								



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: Guy Richard; RYAN MCILVENNA

Nb	9329355	18	18	0.0%	9329364	7	7	0.0%								
Nd	9329355	29.3	27.4	6.7%	9329364	24.9	25.1	0.8%								
Ni	9329355	40	41	2.5%	9329364	76	72	5.4%								
P	9329355	0.03	0.03	0.0%	9329364	0.08	0.08	0.0%								
Pb	9329355	67	66	1.5%	9329364	7	7	0.0%								
Pr	9329355	8.18	7.59	7.5%	9329364	6.95	7.05	1.4%								
Rb	9329355	223	224	0.4%	9329364	77.1	78.3	1.5%								
S	9329355	0.89	0.89	0.0%	9329364	0.04	0.04	0.0%								
Sb	9329355	0.3	0.3	0.0%	9329364	< 0.1	< 0.1	0.0%								
Sc	9329355	10	10	0.0%	9329364	16	16	0.0%								
Si	9329355	34.4	34.0	1.2%	9329364	27.8	26.9	3.3%								
Sm	9329355	6.4	5.8	9.8%	9329364	4.4	4.5	2.2%								
Sn	9329355	4	4	0.0%	9329364	2	2	0.0%								
Sr	9329355	13.3	12.3	7.8%	9329364	318	307	3.5%								
Ta	9329355	2.00	1.94	3.0%	9329364	0.6	0.6	0.0%								
Tb	9329355	1.23	1.15	6.7%	9329364	0.53	0.55	3.7%								
Th	9329355	35.1	34.1	2.9%	9329364	9.80	9.86	0.6%								
Ti	9329355	0.44	0.43	2.3%	9329364	0.35	0.34	2.9%								
Tl	9329355	1.3	1.3	0.0%	9329364	< 0.5	< 0.5	0.0%								
Tm	9329355	0.858	0.810	5.8%	9329364	0.23	0.23	0.0%								
U	9329355	29.3	28.3	3.5%	9329364	3.68	3.79	2.9%								
V	9329355	55	55	0.0%	9329364	117	112	4.4%								
W	9329355	5	5	0.0%	9329364	1	< 1									
Y	9329355	49.3	47.9	2.9%	9329364	14.8	14.9	0.7%								
Yb	9329355	6.0	5.8	3.4%	9329364	1.4	1.4	0.0%								
Zn	9329355	82	82	0.0%	9329364	43	44	2.3%								
Zr	9329355	880	835	5.2%	9329364	117	121	3.4%								

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

Parameter	REPLICATE #1				RPD											
	Sample ID	Original	Replicate	RPD												
Au	9329355	0.033	0.022													
Pd	9329355	0.0013	0.0015	14.3%												
Pt	9329355	< 0.005	< 0.005	0.0%												



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: Guy Richard; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)																	
	Expect	Actual	Recovery	Limits														
Al	10.95	11.1	101%	90% - 110%														
B		19.0012		90% - 110%														
Ba	340	323	95%	90% - 110%														
Be	2.6	2.8	106%	90% - 110%														
Ca	5.72	5.71	100%	90% - 110%														
Ce	122	119	98%	90% - 110%														
Co	2.8	2.6	92%	90% - 110%														
Cr		0.000937		90% - 110%														
Cs	1.5	1.5	102%	90% - 110%														
Cu	7	7	94%	90% - 110%														
Dy	18.2	18.9	104%	90% - 110%														
Er	14.2	14.8	104%	90% - 110%														
Eu	2.0	1.88	94%	90% - 110%														
Fe	4.34	4.26	98%	90% - 110%														
Ga	35	34	97%	90% - 110%														
Gd	14	15	110%	90% - 110%														
Hf	10.6	11.5	109%	90% - 110%														
Ho	4.3	4.5	105%	90% - 110%														
K	1.37	1.42	104%	90% - 110%														
La	58	56	96%	90% - 110%														
Li	37	40	108%	90% - 110%														
Lu	2.1	2.2	106%	90% - 110%														
Mg	0.325	0.328	101%	90% - 110%														
Mn	836	822	98%	90% - 110%														
Nb	13	13	103%	90% - 110%														
Nd	57	56	97%	90% - 110%														
Ni	9	9	95%	90% - 110%														
P		0.05659		90% - 110%														
Pb	10	10	102%	90% - 110%														
Pr	15.0	14.5	97%	90% - 110%														
Rb	55	55	100%	90% - 110%														



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: Guy Richard; RYAN MCILVENNA

S		-0.02687		90% - 110%														
Sc	1.1	0.8	70%	90% - 110%														
Si	23.3	22.5	97%	90% - 110%														
Sm	12.7	12.4	97%	90% - 110%														
Sn	7.1	7.7	109%	90% - 110%														
Sr	1191	1179	99%	90% - 110%														
Ta	0.9	0.7	76%	90% - 110%														
Tb	2.6	2.7	104%	90% - 110%														
Th	1.4	1.1	75%	90% - 110%														
Ti	0.172	0.179	104%	90% - 110%														
Tm	2.3	2.4	103%	90% - 110%														
U	0.8	0.7	90%	90% - 110%														
V	8	6	81%	90% - 110%														
Y	119	118	99%	90% - 110%														
Yb	14.8	15.4	104%	90% - 110%														
Zn	93	92.0	99%	90% - 110%														
Zr	517	568	110%	90% - 110%														

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

CRM #1 (ref. PG129)																		
Parameter	Expect	Actual	Recovery	Limits														
Au	1.1	1	93%	90% - 110%														
Pd	0.115	0.118	103%	90% - 110%														
Pt	0.239	0.239	100%	90% - 110%														



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP  
 PROJECT: Creelman Gold Corp  
 SAMPLING SITE:

AGAT WORK ORDER: 18T350441  
 ATTENTION TO: Guy Richard; RYAN MCILVENNA  
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T350441

PROJECT: Creelman Gold Corp

ATTENTION TO: Guy Richard; RYAN MCILVENNA

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pd	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pt	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES





CLIENT NAME: CREELMAN GOLD CORP  
1886 PENAGE LAKE RD  
WHITEFISH, ON P0M 3E0  
705-207-8616

ATTENTION TO: GUY EUGENE RICHARD

PROJECT: Creelman Gold Corp

AGAT WORK ORDER: 18T353929

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: Jul 11, 2018

PAGES (INCLUDING COVER): 11

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

\*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



## Certificate of Analysis

AGAT WORK ORDER: 18T353929  
PROJECT: Creelman Gold Corp

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (200-) Sample Login Weight

DATE SAMPLED: Jun 21, 2018      DATE RECEIVED: Jun 22, 2018      DATE REPORTED: Jul 11, 2018      SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
14 (9351922)		2.766
15 (9351923)		2.870
16 (9351924)		1.333
17 (9351925)		2.6
18 (9351926)		2.395

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T353929

PROJECT: Creelman Gold Corp

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CANADA L4Z 1N9  
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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 21, 2018		DATE RECEIVED: Jun 22, 2018					DATE REPORTED: Jul 11, 2018					SAMPLE TYPE: Other				
	Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
	Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
Sample ID (AGAT ID)	RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
14 (9351922)		<1	8.36	<5	21	409	<5	3.7	2.55	<0.2	59.7	161	0.016	6.2	1470	
15 (9351923)		<1	4.14	<5	<20	512	<5	0.6	0.35	<0.2	13.4	19.0	0.018	8.7	193	
16 (9351924)		<1	7.88	<5	<20	272	<5	1.2	2.66	<0.2	68.1	62.7	0.018	12.7	329	
17 (9351925)		<1	5.80	<5	<20	311	<5	0.8	6.00	0.3	45.2	50.3	0.069	6.9	16	
18 (9351926)		<1	5.78	<5	<20	310	<5	0.7	4.44	0.2	50.1	48.1	0.053	13.8	24	
	Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
	Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
Sample ID (AGAT ID)	RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
14 (9351922)		3.52	2.08	1.18	18.5	28.6	4.41	2	4	0.69	<0.2	1.16	31.4	21	0.31	
15 (9351923)		1.55	1.37	0.38	5.18	11.7	1.03	1	2	0.41	<0.2	1.73	7.6	20	0.21	
16 (9351924)		4.29	2.36	1.54	10.0	22.9	5.05	2	3	0.84	<0.2	1.41	36.8	25	0.34	
17 (9351925)		3.88	2.32	1.34	8.38	16.6	4.98	2	2	0.80	<0.2	1.68	20.5	68	0.33	
18 (9351926)		4.24	2.44	1.28	7.34	16.2	5.25	2	3	0.84	<0.2	1.86	22.6	78	0.34	
	Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
	Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
Sample ID (AGAT ID)	RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
14 (9351922)		1.68	1110	5	10	26.0	149	0.10	19	6.75	62.5	5.49	0.3	18	20.6	
15 (9351923)		1.27	587	7	5	5.3	44	0.04	9	1.52	91.8	0.24	0.2	8	34.6	
16 (9351924)		1.58	1090	19	9	30.0	63	0.08	19	7.87	99.7	1.47	0.2	18	25.9	
17 (9351925)		6.68	2310	2	3	23.2	133	0.11	7	5.55	178	<0.01	<0.1	30	24.1	
18 (9351926)		5.70	1870	7	4	25.6	101	0.12	8	6.19	197	0.03	<0.1	27	26.2	
	Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
	Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Sample ID (AGAT ID)	RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
14 (9351922)		4.9	3	504	0.8	0.65	14.4	0.42	0.6	0.30	8.61	165	<1	19.3	2.1	
15 (9351923)		1.0	1	66.1	<0.5	0.22	6.7	0.20	0.6	0.21	2.14	70	2	12.1	1.4	
16 (9351924)		5.6	3	520	0.8	0.75	13.4	0.39	0.8	0.37	5.47	127	15	23.1	2.3	
17 (9351925)		4.9	5	108	<0.5	0.71	3.1	0.37	1.3	0.34	0.89	210	<1	22.9	2.3	
18 (9351926)		5.3	6	123	<0.5	0.77	4.5	0.35	1.4	0.34	1.31	175	18	23.5	2.3	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T353929

PROJECT: Creelman Gold Corp

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 21, 2018

DATE RECEIVED: Jun 22, 2018

DATE REPORTED: Jul 11, 2018

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
14 (9351922)		94	123
15 (9351923)		51	57.3
16 (9351924)		80	115
17 (9351925)		199	80.0
18 (9351926)		181	103

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T353929

PROJECT: Creelman Gold Corp

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

DATE SAMPLED: Jun 21, 2018      DATE RECEIVED: Jun 22, 2018      DATE REPORTED: Jul 11, 2018      SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte:	Au	Pd	Pt
	Unit:	ppm	ppm	ppm
	RDL:	0.001	0.001	0.005
14 (9351922)		0.007	0.005	<0.005
15 (9351923)		0.010	<0.001	<0.005
16 (9351924)		0.017	0.001	<0.005
17 (9351925)		0.001	0.002	<0.005
18 (9351926)		0.001	0.003	<0.005

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2											
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	9351922	< 1	< 1	0.0%	9351924	< 1	< 1	0.0%								
Al	9351922	8.36	8.24	1.4%	9351924	7.88	8.03	1.9%								
As	9351922	< 5	< 5	0.0%	9351924	< 5	< 5	0.0%								
B	9351922	21	17	21.1%	9351924	< 20	< 20	0.0%								
Ba	9351922	409	423	3.4%	9351924	272	272	0.0%								
Be	9351922	< 5	< 5	0.0%	9351924	< 5	< 5	0.0%								
Bi	9351922	3.75	4.31	13.9%	9351924	1.16	1.07	8.1%								
Ca	9351922	2.55	2.52	1.2%	9351924	2.66	2.72	2.2%								
Cd	9351922	< 0.2	< 0.2	0.0%	9351924	< 0.2	< 0.2	0.0%								
Ce	9351922	59.7	62.1	3.9%	9351924	68.1	68.3	0.3%								
Co	9351922	161	173	7.2%	9351924	62.7	61.8	1.4%								
Cr	9351922	0.0161	0.0179	10.6%	9351924	0.018	0.018	0.0%								
Cs	9351922	6.23	6.69	7.1%	9351924	12.7	12.6	0.8%								
Cu	9351922	1470	1640	10.9%	9351924	329	322	2.2%								
Dy	9351922	3.52	3.52	0.0%	9351924	4.29	4.19	2.4%								
Er	9351922	2.08	2.03	2.4%	9351924	2.36	2.42	2.5%								
Eu	9351922	1.18	1.23	4.1%	9351924	1.54	1.51	2.0%								
Fe	9351922	18.5	17.7	4.4%	9351924	10.0	10.2	2.0%								
Ga	9351922	28.6	29.1	1.7%	9351924	22.9	22.7	0.9%								
Gd	9351922	4.41	4.54	2.9%	9351924	5.05	4.93	2.4%								
Ge	9351922	2	2	0.0%	9351924	2	2	0.0%								
Hf	9351922	4	3	28.6%	9351924	3	3	0.0%								
Ho	9351922	0.691	0.711	2.9%	9351924	0.84	0.84	0.0%								
In	9351922	< 0.2	< 0.2	0.0%	9351924	< 0.2	< 0.2	0.0%								
K	9351922	1.16	1.13	2.6%	9351924	1.41	1.44	2.1%								
La	9351922	31.4	32.7	4.1%	9351924	36.8	37.0	0.5%								
Li	9351922	21	22	4.7%	9351924	25	25	0.0%								
Lu	9351922	0.315	0.325	3.1%	9351924	0.343	0.353	2.9%								
Mg	9351922	1.68	1.86	10.2%	9351924	1.58	1.59	0.6%								
Mn	9351922	1110	1240	11.1%	9351924	1090	1090	0.0%								
Mo	9351922	5	5	0.0%	9351924	19	19	0.0%								



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

Nb	9351922	10	9	10.5%	9351924	9	9	0.0%								
Nd	9351922	26.0	26.8	3.0%	9351924	30.0	29.9	0.3%								
Ni	9351922	149	157	5.2%	9351924	63	63	0.0%								
P	9351922	0.10	0.11	9.5%	9351924	0.079	0.071	10.7%								
Pb	9351922	19	18	5.4%	9351924	19	19	0.0%								
Pr	9351922	6.75	6.96	3.1%	9351924	7.87	7.78	1.2%								
Rb	9351922	62.5	63.7	1.9%	9351924	99.7	99.9	0.2%								
S	9351922	5.49	5.65	2.9%	9351924	1.47	1.43	2.8%								
Sb	9351922	0.3	0.3	0.0%	9351924	0.2	0.2	0.0%								
Sc	9351922	18	20	10.5%	9351924	18	18	0.0%								
Si	9351922	20.6	20.4	1.0%	9351924	25.9	26.4	1.9%								
Sm	9351922	4.9	4.9	0.0%	9351924	5.6	5.6	0.0%								
Sn	9351922	3	3	0.0%	9351924	3	3	0.0%								
Sr	9351922	504	567	11.8%	9351924	520	512	1.6%								
Ta	9351922	0.84	0.87	3.5%	9351924	0.8	0.8	0.0%								
Tb	9351922	0.653	0.679	3.9%	9351924	0.75	0.74	1.3%								
Th	9351922	14.4	14.7	2.1%	9351924	13.4	13.4	0.0%								
Ti	9351922	0.42	0.41	2.4%	9351924	0.388	0.396	2.0%								
Tl	9351922	0.58	0.54	7.1%	9351924	0.8	0.8	0.0%								
Tm	9351922	0.300	0.284	5.5%	9351924	0.37	0.37	0.0%								
U	9351922	8.61	8.64	0.3%	9351924	5.47	5.37	1.8%								
V	9351922	165	185	11.4%	9351924	127	127	0.0%								
W	9351922	< 1	< 1	0.0%	9351924	15	14	6.9%								
Y	9351922	19.3	19.9	3.1%	9351924	23.1	22.5	2.6%								
Yb	9351922	2.1	2.1	0.0%	9351924	2.3	2.3	0.0%								
Zn	9351922	94	95	1.1%	9351924	80	83	3.7%								
Zr	9351922	123	125	1.6%	9351924	115	113	1.8%								

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

Parameter	REPLICATE #1				REPLICATE #2											
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Au	9351922	0.007	0.004		9351924	0.017	0.004									
Pd	9351922	0.0047	0.0039	18.6%	9351924	0.001	0.001	0.0%								
Pt	9351922	< 0.005	< 0.005	0.0%	9351924	< 0.005	< 0.005	0.0%								



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)																	
	Expect	Actual	Recovery	Limits														
Al	10.95	10.65	97%	90% - 110%														
Ba	340	330	97%	90% - 110%														
Be	2.6	2.8	106%	90% - 110%														
Ca	5.72	5.74	100%	90% - 110%														
Ce	122	129	106%	90% - 110%														
Co	2.8	2.5	90%	90% - 110%														
Cs	1.5	1.6	106%	90% - 110%														
Dy	18.2	19.6	108%	90% - 110%														
Er	14.2	15.1	106%	90% - 110%														
Eu	2.0	2.1	105%	90% - 110%														
Fe	4.34	4.62	106%	90% - 110%														
Ga	35	36	102%	90% - 110%														
Gd	14	15	109%	90% - 110%														
Hf	10.6	10.9	103%	90% - 110%														
Ho	4.3	4.5	105%	90% - 110%														
K	1.37	1.41	103%	90% - 110%														
La	58	61	105%	90% - 110%														
Li	37	41	111%	90% - 110%														
Lu	2.1	2.1	102%	90% - 110%														
Mg	0.325	0.336	103%	90% - 110%														
Mn	836	740	89%	90% - 110%														
Nb	13	14	106%	90% - 110%														
Nd	57	61	106%	90% - 110%														
Pb	10	11	106%	90% - 110%														
Pr	15.0	15.6	104%	90% - 110%														
Rb	55	55	99%	90% - 110%														
Si	23.3	22.9	98%	90% - 110%														
Sm	12.7	13.3	105%	90% - 110%														
Sn	7.1	7.5	105%	90% - 110%														
Sr	1191	1234	104%	90% - 110%														
Ta	0.9	0.8	90%	90% - 110%														





CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

Tb	2.6	2.8	106%	90% - 110%													
Th	1.4	1.1	80%	90% - 110%													
Ti	0.172	0.157	92%	90% - 110%													
Tm	2.3	2.4	102%	90% - 110%													
U	0.8	0.9	109%	90% - 110%													
V	8	7	82%	90% - 110%													
Y	119	118	99%	90% - 110%													
Yb	14.8	15.5	104%	90% - 110%													
Zn	93	89.0	96%	90% - 110%													
Zr	517	564	109%	90% - 110%													

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

CRM #1 (ref.PG129)																	
Parameter	Expect	Actual	Recovery	Limits													
Au	1.1	1.1	100%	90% - 110%													
Pd	0.115	0.122	106%	90% - 110%													
Pt	0.239	0.246	103%	90% - 110%													



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T353929

PROJECT: Creelman Gold Corp

ATTENTION TO: GUY EUGENE RICHARD

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T353929

PROJECT: Creelman Gold Corp

ATTENTION TO: GUY EUGENE RICHARD

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pd	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pt	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES



CLIENT NAME: CREELMAN GOLD CORP  
1886 PENAGE LAKE RD  
WHITEFISH, ON P0M 3E0  
705-207-8616

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

PROJECT: Creelman Gold Corp

AGAT WORK ORDER: 18T353929

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: Jul 11, 2018

PAGES (INCLUDING COVER): 11

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

\*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



## Certificate of Analysis

AGAT WORK ORDER: 18T353929

PROJECT: Creelman Gold Corp

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (200-) Sample Login Weight

DATE SAMPLED: Jun 21, 2018	DATE RECEIVED: Jun 22, 2018	DATE REPORTED: Jul 11, 2018	SAMPLE TYPE: Other
----------------------------	-----------------------------	-----------------------------	--------------------

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
17 (9351922)		2.766
18 (9351923)		2.870
19 (9351924)		1.333
20 (9351925)		2.6
21 (9351926)		2.395

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T353929

PROJECT: Creelman Gold Corp

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 21, 2018		DATE RECEIVED: Jun 22, 2018					DATE REPORTED: Jul 11, 2018					SAMPLE TYPE: Other				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu		
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm		
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5		
Sample ID (AGAT ID)																
17 (9351922)	<1	8.36	<5	21	409	<5	3.7	2.55	<0.2	59.7	161	0.016	6.2	1470		
18 (9351923)	<1	4.14	<5	<20	512	<5	0.6	0.35	<0.2	13.4	19.0	0.018	8.7	193		
19 (9351924)	<1	7.88	<5	<20	272	<5	1.2	2.66	<0.2	68.1	62.7	0.018	12.7	329		
20 (9351925)	<1	5.80	<5	<20	311	<5	0.8	6.00	0.3	45.2	50.3	0.069	6.9	16		
21 (9351926)	<1	5.78	<5	<20	310	<5	0.7	4.44	0.2	50.1	48.1	0.053	13.8	24		
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu		
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05		
Sample ID (AGAT ID)																
17 (9351922)	3.52	2.08	1.18	18.5	28.6	4.41	2	4	0.69	<0.2	1.16	31.4	21	0.31		
18 (9351923)	1.55	1.37	0.38	5.18	11.7	1.03	1	2	0.41	<0.2	1.73	7.6	20	0.21		
19 (9351924)	4.29	2.36	1.54	10.0	22.9	5.05	2	3	0.84	<0.2	1.41	36.8	25	0.34		
20 (9351925)	3.88	2.32	1.34	8.38	16.6	4.98	2	2	0.80	<0.2	1.68	20.5	68	0.33		
21 (9351926)	4.24	2.44	1.28	7.34	16.2	5.25	2	3	0.84	<0.2	1.86	22.6	78	0.34		
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si		
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%		
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01		
Sample ID (AGAT ID)																
17 (9351922)	1.68	1110	5	10	26.0	149	0.10	19	6.75	62.5	5.49	0.3	18	20.6		
18 (9351923)	1.27	587	7	5	5.3	44	0.04	9	1.52	91.8	0.24	0.2	8	34.6		
19 (9351924)	1.58	1090	19	9	30.0	63	0.08	19	7.87	99.7	1.47	0.2	18	25.9		
20 (9351925)	6.68	2310	2	3	23.2	133	0.11	7	5.55	178	<0.01	<0.1	30	24.1		
21 (9351926)	5.70	1870	7	4	25.6	101	0.12	8	6.19	197	0.03	<0.1	27	26.2		
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb		
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1		
Sample ID (AGAT ID)																
17 (9351922)	4.9	3	504	0.8	0.65	14.4	0.42	0.6	0.30	8.61	165	<1	19.3	2.1		
18 (9351923)	1.0	1	66.1	<0.5	0.22	6.7	0.20	0.6	0.21	2.14	70	2	12.1	1.4		
19 (9351924)	5.6	3	520	0.8	0.75	13.4	0.39	0.8	0.37	5.47	127	15	23.1	2.3		
20 (9351925)	4.9	5	108	<0.5	0.71	3.1	0.37	1.3	0.34	0.89	210	<1	22.9	2.3		
21 (9351926)	5.3	6	123	<0.5	0.77	4.5	0.35	1.4	0.34	1.31	175	18	23.5	2.3		

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T353929

PROJECT: Creelman Gold Corp

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 21, 2018	DATE RECEIVED: Jun 22, 2018	DATE REPORTED: Jul 11, 2018	SAMPLE TYPE: Other
Analyte:	Zn	Zr	
Unit:	ppm	ppm	
RDL:	5	0.5	
Sample ID (AGAT ID)			
17 (9351922)	94	123	
18 (9351923)	51	57.3	
19 (9351924)	80	115	
20 (9351925)	199	80.0	
21 (9351926)	181	103	

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T353929

PROJECT: Creelman Gold Corp

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

DATE SAMPLED: Jun 21, 2018

DATE RECEIVED: Jun 22, 2018

DATE REPORTED: Jul 11, 2018

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte:	Au	Pd	Pt
	Unit:	ppm	ppm	ppm
	RDL:	0.001	0.001	0.005
17 (9351922)		0.007	0.005	<0.005
18 (9351923)		0.010	<0.001	<0.005
19 (9351924)		0.017	0.001	<0.005
20 (9351925)		0.001	0.002	<0.005
21 (9351926)		0.001	0.003	<0.005

Comments: RDL - Reported Detection Limit

Certified By:





CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2											
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	9351922	< 1	< 1	0.0%	9351924	< 1	< 1	0.0%								
Al	9351922	8.36	8.24	1.4%	9351924	7.88	8.03	1.9%								
As	9351922	< 5	< 5	0.0%	9351924	< 5	< 5	0.0%								
B	9351922	21	17	21.1%	9351924	< 20	< 20	0.0%								
Ba	9351922	409	423	3.4%	9351924	272	272	0.0%								
Be	9351922	< 5	< 5	0.0%	9351924	< 5	< 5	0.0%								
Bi	9351922	3.75	4.31	13.9%	9351924	1.16	1.07	8.1%								
Ca	9351922	2.55	2.52	1.2%	9351924	2.66	2.72	2.2%								
Cd	9351922	< 0.2	< 0.2	0.0%	9351924	< 0.2	< 0.2	0.0%								
Ce	9351922	59.7	62.1	3.9%	9351924	68.1	68.3	0.3%								
Co	9351922	161	173	7.2%	9351924	62.7	61.8	1.4%								
Cr	9351922	0.0161	0.0179	10.6%	9351924	0.018	0.018	0.0%								
Cs	9351922	6.23	6.69	7.1%	9351924	12.7	12.6	0.8%								
Cu	9351922	1470	1640	10.9%	9351924	329	322	2.2%								
Dy	9351922	3.52	3.52	0.0%	9351924	4.29	4.19	2.4%								
Er	9351922	2.08	2.03	2.4%	9351924	2.36	2.42	2.5%								
Eu	9351922	1.18	1.23	4.1%	9351924	1.54	1.51	2.0%								
Fe	9351922	18.5	17.7	4.4%	9351924	10.0	10.2	2.0%								
Ga	9351922	28.6	29.1	1.7%	9351924	22.9	22.7	0.9%								
Gd	9351922	4.41	4.54	2.9%	9351924	5.05	4.93	2.4%								
Ge	9351922	2	2	0.0%	9351924	2	2	0.0%								
Hf	9351922	4	3	28.6%	9351924	3	3	0.0%								
Ho	9351922	0.691	0.711	2.9%	9351924	0.84	0.84	0.0%								
In	9351922	< 0.2	< 0.2	0.0%	9351924	< 0.2	< 0.2	0.0%								
K	9351922	1.16	1.13	2.6%	9351924	1.41	1.44	2.1%								
La	9351922	31.4	32.7	4.1%	9351924	36.8	37.0	0.5%								
Li	9351922	21	22	4.7%	9351924	25	25	0.0%								
Lu	9351922	0.315	0.325	3.1%	9351924	0.343	0.353	2.9%								
Mg	9351922	1.68	1.86	10.2%	9351924	1.58	1.59	0.6%								
Mn	9351922	1110	1240	11.1%	9351924	1090	1090	0.0%								
Mo	9351922	5	5	0.0%	9351924	19	19	0.0%								



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

Nb	9351922	10	9	10.5%	9351924	9	9	0.0%									
Nd	9351922	26.0	26.8	3.0%	9351924	30.0	29.9	0.3%									
Ni	9351922	149	157	5.2%	9351924	63	63	0.0%									
P	9351922	0.10	0.11	9.5%	9351924	0.079	0.071	10.7%									
Pb	9351922	19	18	5.4%	9351924	19	19	0.0%									
Pr	9351922	6.75	6.96	3.1%	9351924	7.87	7.78	1.2%									
Rb	9351922	62.5	63.7	1.9%	9351924	99.7	99.9	0.2%									
S	9351922	5.49	5.65	2.9%	9351924	1.47	1.43	2.8%									
Sb	9351922	0.3	0.3	0.0%	9351924	0.2	0.2	0.0%									
Sc	9351922	18	20	10.5%	9351924	18	18	0.0%									
Si	9351922	20.6	20.4	1.0%	9351924	25.9	26.4	1.9%									
Sm	9351922	4.9	4.9	0.0%	9351924	5.6	5.6	0.0%									
Sn	9351922	3	3	0.0%	9351924	3	3	0.0%									
Sr	9351922	504	567	11.8%	9351924	520	512	1.6%									
Ta	9351922	0.84	0.87	3.5%	9351924	0.8	0.8	0.0%									
Tb	9351922	0.653	0.679	3.9%	9351924	0.75	0.74	1.3%									
Th	9351922	14.4	14.7	2.1%	9351924	13.4	13.4	0.0%									
Ti	9351922	0.42	0.41	2.4%	9351924	0.388	0.396	2.0%									
Tl	9351922	0.58	0.54	7.1%	9351924	0.8	0.8	0.0%									
Tm	9351922	0.300	0.284	5.5%	9351924	0.37	0.37	0.0%									
U	9351922	8.61	8.64	0.3%	9351924	5.47	5.37	1.8%									
V	9351922	165	185	11.4%	9351924	127	127	0.0%									
W	9351922	< 1	< 1	0.0%	9351924	15	14	6.9%									
Y	9351922	19.3	19.9	3.1%	9351924	23.1	22.5	2.6%									
Yb	9351922	2.1	2.1	0.0%	9351924	2.3	2.3	0.0%									
Zn	9351922	94	95	1.1%	9351924	80	83	3.7%									
Zr	9351922	123	125	1.6%	9351924	115	113	1.8%									

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

Parameter	REPLICATE #1				REPLICATE #2												
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD									
Au	9351922	0.007	0.004		9351924	0.017	0.004										
Pd	9351922	0.0047	0.0039	18.6%	9351924	0.001	0.001	0.0%									
Pt	9351922	< 0.005	< 0.005	0.0%	9351924	< 0.005	< 0.005	0.0%									



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)																	
	Expect	Actual	Recovery	Limits														
Al	10.95	10.65	97%	90% - 110%														
Ba	340	330	97%	90% - 110%														
Be	2.6	2.8	106%	90% - 110%														
Ca	5.72	5.74	100%	90% - 110%														
Ce	122	129	106%	90% - 110%														
Co	2.8	2.5	90%	90% - 110%														
Cs	1.5	1.6	106%	90% - 110%														
Dy	18.2	19.6	108%	90% - 110%														
Er	14.2	15.1	106%	90% - 110%														
Eu	2.0	2.1	105%	90% - 110%														
Fe	4.34	4.62	106%	90% - 110%														
Ga	35	36	102%	90% - 110%														
Gd	14	15	109%	90% - 110%														
Hf	10.6	10.9	103%	90% - 110%														
Ho	4.3	4.5	105%	90% - 110%														
K	1.37	1.41	103%	90% - 110%														
La	58	61	105%	90% - 110%														
Li	37	41	111%	90% - 110%														
Lu	2.1	2.1	102%	90% - 110%														
Mg	0.325	0.336	103%	90% - 110%														
Mn	836	740	89%	90% - 110%														
Nb	13	14	106%	90% - 110%														
Nd	57	61	106%	90% - 110%														
Pb	10	11	106%	90% - 110%														
Pr	15.0	15.6	104%	90% - 110%														
Rb	55	55	99%	90% - 110%														
Si	23.3	22.9	98%	90% - 110%														
Sm	12.7	13.3	105%	90% - 110%														
Sn	7.1	7.5	105%	90% - 110%														
Sr	1191	1234	104%	90% - 110%														
Ta	0.9	0.8	90%	90% - 110%														



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

Tb	2.6	2.8	106%	90% - 110%													
Th	1.4	1.1	80%	90% - 110%													
Ti	0.172	0.157	92%	90% - 110%													
Tm	2.3	2.4	102%	90% - 110%													
U	0.8	0.9	109%	90% - 110%													
V	8	7	82%	90% - 110%													
Y	119	118	99%	90% - 110%													
Yb	14.8	15.5	104%	90% - 110%													
Zn	93	89.0	96%	90% - 110%													
Zr	517	564	109%	90% - 110%													

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

CRM #1 (ref.PG129)																	
Parameter	Expect	Actual	Recovery	Limits													
Au	1.1	1.1	100%	90% - 110%													
Pd	0.115	0.122	106%	90% - 110%													
Pt	0.239	0.246	103%	90% - 110%													



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP  
 PROJECT: Creelman Gold Corp  
 SAMPLING SITE:

AGAT WORK ORDER: 18T353929  
 ATTENTION TO: GUY EUGENE RICHARD; RYAN  
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T353929

PROJECT: Creelman Gold Corp

ATTENTION TO: GUY EUGENE RICHARD; RYAN

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pd	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pt	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES



CLIENT NAME: CREELMAN GOLD CORP  
1886 PENAGE LAKE RD  
WHITEFISH, ON P0M 3E0  
705-207-8616

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

PROJECT:

AGAT WORK ORDER: 18T355669

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: Jul 13, 2018

PAGES (INCLUDING COVER): 12

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

\*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



## Certificate of Analysis

AGAT WORK ORDER: 18T355669

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
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FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (200-) Sample Login Weight

DATE SAMPLED: Jun 26, 2018

DATE RECEIVED: Jun 26, 2018

DATE REPORTED: Jul 13, 2018

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
22 (9362758)		1.850
23 (9362759)		1.604
24 (9362760)		2.533
25 (9362761)		3.274
26 (9362762)		2.382
27 (9362763)		2.867
28 (9362764)		1.924
29 (9362765)		3.435
30 (9362766)		1.692
31 (9362767)		3.852
32 (9362768)		2.498
33 (9362769)		4.326
34 (9362770)		2.241
35 (9362771)		2.894

Comments: RDL - Reported Detection Limit

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 18T355669

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 26, 2018		DATE RECEIVED: Jun 26, 2018					DATE REPORTED: Jul 13, 2018					SAMPLE TYPE: Other				
Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5	
22 (9362758)		<1	8.24	<5	<20	521	<5	1.1	2.12	<0.2	23.9	38.7	0.022	9.7	413	
23 (9362759)		<1	7.99	7	<20	535	<5	1.0	1.32	<0.2	49.5	75.7	0.021	7.2	1960	
24 (9362760)		<1	7.14	<5	<20	492	<5	0.3	1.16	<0.2	54.1	30.5	0.022	6.2	86	
25 (9362761)		<1	6.14	5	<20	274	<5	1.0	1.33	<0.2	36.2	32.2	0.022	4.4	381	
26 (9362762)		<1	8.02	8	<20	310	<5	1.9	2.97	<0.2	51.5	29.2	0.025	8.3	37	
27 (9362763)		<1	7.78	9	<20	325	<5	1.9	2.86	<0.2	54.0	36.3	0.024	7.1	39	
28 (9362764)		<1	9.15	14	42	658	<5	10.9	0.79	<0.2	62.1	193	0.020	8.5	142	
29 (9362765)		<1	7.11	7	<20	399	<5	1.9	1.87	<0.2	41.3	69.8	0.020	5.9	327	
30 (9362766)		<1	7.40	<5	<20	468	<5	2.1	1.73	<0.2	42.2	54.8	0.020	5.8	432	
31 (9362767)		<1	7.33	<5	<20	1440	8	10.9	1.39	<0.2	82.6	41.1	0.013	6.5	16	
32 (9362768)		<1	2.45	<5	<20	564	<5	5.8	1.01	0.3	20.6	134	0.022	6.3	433	
33 (9362769)		<1	8.80	<5	<20	1900	10	0.4	0.83	<0.2	55.0	8.5	0.013	10.8	12	
34 (9362770)		<1	8.67	<5	<20	417	<5	0.6	1.20	<0.2	36.5	26.6	0.024	5.0	17	
35 (9362771)		<1	8.04	<5	<20	429	<5	0.2	1.42	<0.2	41.7	23.4	0.017	4.5	112	
Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05	
22 (9362758)		1.90	1.25	0.51	5.29	18.3	1.66	1	3	0.42	<0.2	1.95	12.7	64	0.21	
23 (9362759)		2.51	1.45	0.82	5.66	17.9	3.28	1	3	0.50	<0.2	1.79	24.3	57	0.20	
24 (9362760)		2.47	1.32	0.89	4.93	16.9	3.49	1	3	0.48	<0.2	1.62	27.3	59	0.20	
25 (9362761)		1.86	0.95	0.71	5.35	14.2	2.45	1	3	0.38	<0.2	1.26	17.7	43	0.14	
26 (9362762)		2.60	1.52	0.98	5.22	18.6	3.54	2	3	0.49	<0.2	1.52	25.5	50	0.22	
27 (9362763)		2.63	1.46	0.92	4.87	18.8	3.48	2	3	0.51	<0.2	1.49	26.3	51	0.21	
28 (9362764)		4.01	2.46	1.00	7.93	22.9	4.50	1	4	0.85	<0.2	3.31	35.2	57	0.35	
29 (9362765)		2.01	1.16	0.73	4.95	16.3	2.50	1	3	0.41	<0.2	1.39	20.5	49	0.19	
30 (9362766)		2.07	1.29	0.73	5.26	17.1	2.70	1	3	0.42	<0.2	2.32	21.3	51	0.20	
31 (9362767)		2.96	1.48	1.54	4.44	19.7	5.30	1	5	0.56	<0.2	2.31	39.5	54	0.20	
32 (9362768)		0.57	0.38	0.31	6.30	8.96	1.16	<1	<1	0.13	<0.2	1.21	10.0	49	0.07	
33 (9362769)		1.73	0.85	0.81	3.25	23.9	2.99	1	6	0.33	<0.2	2.92	22.3	73	0.15	
34 (9362770)		2.66	1.62	0.83	5.42	18.7	2.90	1	4	0.57	<0.2	1.32	17.1	54	0.27	
35 (9362771)		3.72	2.41	1.06	6.23	20.6	3.84	1	4	0.81	<0.2	2.19	20.7	46	0.34	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T355669

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 26, 2018      DATE RECEIVED: Jun 26, 2018      DATE REPORTED: Jul 13, 2018      SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg % 0.01	Mn ppm 10	Mo ppm 2	Nb ppm 1	Nd ppm 0.1	Ni ppm 5	P % 0.01	Pb ppm 5	Pr ppm 0.05	Rb ppm 0.2	S % 0.01	Sb ppm 0.1	Sc ppm 5	Si % 0.01
22 (9362758)		1.73	733	4	7	9.3	66	0.08	50	2.62	97.2	1.06	0.1	14	28.1
23 (9362759)		2.00	856	5	7	20.5	68	0.06	13	5.63	89.4	1.06	0.1	13	27.1
24 (9362760)		2.01	895	6	6	22.1	68	0.06	9	6.05	79.1	0.22	0.1	12	30.1
25 (9362761)		1.23	613	8	5	15.7	45	0.04	11	4.16	59.3	0.82	0.2	8	32.1
26 (9362762)		1.65	1110	4	7	22.0	76	0.06	13	5.81	90.2	1.12	0.1	14	27.7
27 (9362763)		1.69	1130	4	7	22.7	76	0.06	16	6.11	88.1	0.82	0.1	15	27.5
28 (9362764)		1.74	1020	4	10	24.6	88	0.09	8	6.76	247	1.16	0.3	18	24.5
29 (9362765)		1.38	653	5	6	16.7	61	0.08	29	4.64	70.4	1.46	0.1	11	28.2
30 (9362766)		1.50	629	4	7	17.9	61	0.08	15	4.84	116	1.34	0.2	12	27.3
31 (9362767)		1.03	487	10	9	36.4	24	0.09	44	9.68	129	1.77	0.1	6	26.9
32 (9362768)		1.12	660	14	4	8.5	63	0.02	14	2.28	104	3.47	<0.1	<5	32.4
33 (9362769)		1.36	485	5	11	22.4	24	0.11	11	6.01	187	<0.01	<0.1	6	27.6
34 (9362770)		2.04	1300	4	7	15.7	64	0.08	20	4.17	107	<0.01	0.1	17	27.6
35 (9362771)		2.37	547	3	6	18.5	63	0.06	9	5.04	92.6	0.05	0.1	23	26.5

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm 0.1	Sn ppm 1	Sr ppm 0.1	Ta ppm 0.5	Tb ppm 0.05	Th ppm 0.1	Ti % 0.01	Tl ppm 0.5	Tm ppm 0.05	U ppm 0.05	V ppm 5	W ppm 1	Y ppm 0.5	Yb ppm 0.1
22 (9362758)		1.7	1	449	0.6	0.29	9.5	0.34	0.9	0.20	2.82	94	<1	11.1	1.4
23 (9362759)		3.6	1	348	0.5	0.47	9.2	0.31	0.7	0.20	3.41	90	<1	13.5	1.4
24 (9362760)		3.9	<1	307	0.5	0.48	8.9	0.30	0.7	0.20	3.37	84	<1	13.2	1.4
25 (9362761)		2.8	1	340	<0.5	0.37	4.8	0.20	0.5	0.15	2.11	75	<1	9.9	1.0
26 (9362762)		4.0	1	477	<0.5	0.48	8.0	0.32	0.9	0.21	3.42	104	<1	13.7	1.4
27 (9362763)		4.0	2	447	<0.5	0.51	8.3	0.32	0.8	0.21	3.63	102	1	13.8	1.4
28 (9362764)		4.8	3	113	0.9	0.72	15.0	0.45	2.1	0.37	6.10	130	2	22.6	2.4
29 (9362765)		2.9	1	393	<0.5	0.36	8.3	0.27	0.6	0.18	2.87	82	1	11.2	1.3
30 (9362766)		3.1	2	406	0.6	0.41	9.7	0.31	1.0	0.21	3.82	84	<1	11.5	1.3
31 (9362767)		6.5	2	322	<0.5	0.67	10.6	0.24	1.1	0.20	3.11	56	2	15.0	1.3
32 (9362768)		1.3	2	59.6	0.6	0.13	1.8	0.10	0.8	0.06	0.75	35	1	3.4	0.4
33 (9362769)		3.9	3	236	2.5	0.37	8.7	0.22	1.3	0.12	1.75	69	3	8.7	0.9
34 (9362770)		3.3	2	255	0.7	0.43	6.5	0.42	0.9	0.25	1.81	106	<1	14.6	1.7
35 (9362771)		3.8	1	184	<0.5	0.63	4.9	0.56	0.6	0.37	2.06	177	<1	21.1	2.4

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T355669

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 26, 2018	DATE RECEIVED: Jun 26, 2018	DATE REPORTED: Jul 13, 2018	SAMPLE TYPE: Other
Analyte:	Zn	Zr	
Unit:	ppm	ppm	
RDL:	5	0.5	
Sample ID (AGAT ID)			
22 (9362758)	91	132	
23 (9362759)	104	117	
24 (9362760)	100	111	
25 (9362761)	71	115	
26 (9362762)	82	116	
27 (9362763)	83	116	
28 (9362764)	77	145	
29 (9362765)	74	101	
30 (9362766)	83	119	
31 (9362767)	72	182	
32 (9362768)	86	28.0	
33 (9362769)	99	217	
34 (9362770)	117	134	
35 (9362771)	38	133	

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T355669

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

DATE SAMPLED: Jun 26, 2018	DATE RECEIVED: Jun 26, 2018	DATE REPORTED: Jul 13, 2018	SAMPLE TYPE: Other
Analyte:	Au	Pd	Pt
Unit:	ppm	ppm	ppm
RDL:	0.001	0.001	0.005
Sample ID (AGAT ID)			
22 (9362758)	0.030	0.003	<0.005
23 (9362759)	0.076	0.003	<0.005
24 (9362760)	0.007	0.003	<0.005
25 (9362761)	0.022	0.002	<0.005
26 (9362762)	0.002	0.003	<0.005
27 (9362763)	0.002	0.004	<0.005
28 (9362764)	0.009	0.008	<0.005
29 (9362765)	0.015	0.003	<0.005
30 (9362766)	0.019	0.004	<0.005
31 (9362767)	0.006	0.002	<0.005
32 (9362768)	0.008	0.006	<0.005
33 (9362769)	0.003	<0.001	<0.005
34 (9362770)	0.003	0.002	<0.005
35 (9362771)	0.003	0.002	<0.005

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2										
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD							
Ag	9362758	< 1	< 1	0.0%	9362764	< 1	< 1	0.0%							
Al	9362758	8.24	8.17	0.9%	9362764	9.15	9.06	1.0%							
As	9362758	4	5	22.2%	9362764	14	11	24.0%							
B	9362758	< 20	< 20	0.0%	9362764	42	42	0.0%							
Ba	9362758	521	534	2.5%	9362764	658	654	0.6%							
Be	9362758	< 5	< 5	0.0%	9362764	< 5	< 5	0.0%							
Bi	9362758	1.1	1.1	0.0%	9362764	10.9	11.3	3.6%							
Ca	9362758	2.12	2.13	0.5%	9362764	0.79	0.78	1.3%							
Cd	9362758	< 0.2	< 0.2	0.0%	9362764	< 0.2	< 0.2	0.0%							
Ce	9362758	23.9	24.3	1.7%	9362764	62.1	62.4	0.5%							
Co	9362758	38.7	38.9	0.5%	9362764	193	193	0.0%							
Cr	9362758	0.022	0.022	0.0%	9362764	0.0205	0.0217	5.7%							
Cs	9362758	9.71	9.62	0.9%	9362764	8.5	8.5	0.0%							
Cu	9362758	413	420	1.7%	9362764	142	141	0.7%							
Dy	9362758	1.90	1.68	12.3%	9362764	4.01	4.08	1.7%							
Er	9362758	1.25	1.24	0.8%	9362764	2.46	2.40	2.5%							
Eu	9362758	0.51	0.99		9362764	1.00	1.01	1.0%							
Fe	9362758	5.29	5.33	0.8%	9362764	7.93	7.74	2.4%							
Ga	9362758	18.3	18.4	0.5%	9362764	22.9	22.9	0.0%							
Gd	9362758	1.66	1.71	3.0%	9362764	4.50	4.55	1.1%							
Ge	9362758	1	1	0.0%	9362764	1	1	0.0%							
Hf	9362758	3	3	0.0%	9362764	4	4	0.0%							
Ho	9362758	0.422	0.412	2.4%	9362764	0.85	0.84	1.2%							
In	9362758	< 0.2	< 0.2	0.0%	9362764	< 0.2	< 0.2	0.0%							
K	9362758	1.95	1.94	0.5%	9362764	3.31	3.21	3.1%							
La	9362758	12.7	12.8	0.8%	9362764	35.2	35.2	0.0%							
Li	9362758	64	63	1.6%	9362764	57	55	3.6%							
Lu	9362758	0.213	0.193	9.9%	9362764	0.35	0.37	5.6%							
Mg	9362758	1.73	1.73	0.0%	9362764	1.74	1.69	2.9%							
Mn	9362758	733	725	1.1%	9362764	1020	1020	0.0%							
Mo	9362758	4	4	0.0%	9362764	4	4	0.0%							



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

Nb	9362758	7	7	0.0%	9362764	10	10	0.0%								
Nd	9362758	9.3	9.6	3.2%	9362764	24.6	24.5	0.4%								
Ni	9362758	66	66	0.0%	9362764	88	85	3.5%								
P	9362758	0.085	0.086	1.2%	9362764	0.09	0.09	0.0%								
Pb	9362758	50	48	4.1%	9362764	8	9	11.8%								
Pr	9362758	2.62	2.64	0.8%	9362764	6.76	6.87	1.6%								
Rb	9362758	97.2	96.6	0.6%	9362764	247	251	1.6%								
S	9362758	1.06	1.07	0.9%	9362764	1.16	1.12	3.5%								
Sb	9362758	0.1	0.1	0.0%	9362764	0.3	0.2									
Sc	9362758	14	14	0.0%	9362764	18	18	0.0%								
Si	9362758	28.1	28.0	0.4%	9362764	24.5	23.8	2.9%								
Sm	9362758	1.74	1.84	5.6%	9362764	4.78	4.63	3.2%								
Sn	9362758	1	1	0.0%	9362764	3	3	0.0%								
Sr	9362758	449	447	0.4%	9362764	113	109	3.6%								
Ta	9362758	0.6	0.6	0.0%	9362764	0.9	0.9	0.0%								
Tb	9362758	0.29	0.29	0.0%	9362764	0.715	0.706	1.3%								
Th	9362758	9.46	9.41	0.5%	9362764	15.0	14.8	1.3%								
Ti	9362758	0.34	0.34	0.0%	9362764	0.448	0.440	1.8%								
Tl	9362758	0.9	0.9	0.0%	9362764	2.1	2.1	0.0%								
Tm	9362758	0.202	0.193	4.6%	9362764	0.374	0.335	11.0%								
U	9362758	2.82	2.82	0.0%	9362764	6.10	5.90	3.3%								
V	9362758	94	97	3.1%	9362764	130	130	0.0%								
W	9362758	< 1	< 1	0.0%	9362764	2	2	0.0%								
Y	9362758	11.1	11.5	3.5%	9362764	22.6	22.2	1.8%								
Yb	9362758	1.37	1.33	3.0%	9362764	2.41	2.33	3.4%								
Zn	9362758	91	97	6.4%	9362764	77	84	8.7%								
Zr	9362758	132	128	3.1%	9362764	145	146	0.7%								

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

Parameter	REPLICATE #1				REPLICATE #2											
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Au	9362758	0.030	0.027	10.5%	9362764	0.009	0.010	10.5%								
Pd	9362758	0.003	0.003	0.0%	9362764	0.008	0.008	0.0%								
Pt	9362758	< 0.005	< 0.005	0.0%	9362764	< 0.005	< 0.005	0.0%								



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)																			
	Expect	Actual	Recovery	Limits																
Al	10.95	10.58	97%	90% - 110%																
Ba	340	329	97%	90% - 110%																
Be	2.6	2.8	109%	90% - 110%																
Ca	5.72	5.72	100%	90% - 110%																
Ce	122	128	105%	90% - 110%																
Co	2.8	2.5	90%	90% - 110%																
Cs	1.5	1.6	108%	90% - 110%																
Dy	18.2	19.9	109%	90% - 110%																
Er	14.2	15.1	107%	90% - 110%																
Eu	2.0	1.92	96%	90% - 110%																
Fe	4.34	4.37	101%	90% - 110%																
Ga	35	35	99%	90% - 110%																
Gd	14	15	110%	90% - 110%																
Hf	10.6	10.4	98%	90% - 110%																
Ho	4.3	4.5	105%	90% - 110%																
K	1.37	1.36	99%	90% - 110%																
La	58	60	104%	90% - 110%																
Li	37	39	105%	90% - 110%																
Lu	2.1	2.2	103%	90% - 110%																
Mg	0.325	0.315	97%	90% - 110%																
Mn	836	771	92%	90% - 110%																
Nb	13	14	107%	90% - 110%																
Nd	57	60	106%	90% - 110%																
Ni	9	8	90%	90% - 110%																
Pb	10	11	105%	90% - 110%																
Pr	15.0	15.6	104%	90% - 110%																
Rb	55	54	99%	90% - 110%																
Si	23.3	20.5	88%	90% - 110%																
Sm	12.7	12.9	102%	90% - 110%																
Sn	7.1	7.1	99%	90% - 110%																
Sr	1191	1146	96%	90% - 110%																



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

Ta	0.9	0.7	81%	90% - 110%													
Tb	2.6	2.9	110%	90% - 110%													
Th	1.4	1.4	99%	90% - 110%													
Ti	0.172	0.165	96%	90% - 110%													
Tm	2.3	2.4	103%	90% - 110%													
U	0.8	0.8	105%	90% - 110%													
Y	119	118	99%	90% - 110%													
Yb	14.8	15.2	103%	90% - 110%													
Zn	93	93	100%	90% - 110%													
Zr	517	554	107%	90% - 110%													

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

CRM #1 (ref.PG129)																	
Parameter	Expect	Actual	Recovery	Limits													
Au	1.1	1.1	102%	90% - 110%													
Pd	0.115	0.12	104%	90% - 110%													
Pt	0.239	0.238	99%	90% - 110%													





## Method Summary

CLIENT NAME: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T355669

PROJECT:

ATTENTION TO: GUY EUGENE RICHARD; RYAN

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T355669

PROJECT:

ATTENTION TO: GUY EUGENE RICHARD; RYAN

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pd	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pt	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES



CLIENT NAME: CREELMAN GOLD CORP  
1886 PENAGE LAKE RD  
WHITEFISH, ON P0M 3E0  
705-207-8616

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

PROJECT:

AGAT WORK ORDER: 18T359737

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: Aug 01, 2018

PAGES (INCLUDING COVER): 11

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

\*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



## Certificate of Analysis

AGAT WORK ORDER: 18T359737

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (200-) Sample Login Weight

DATE SAMPLED: Jul 08, 2018      DATE RECEIVED: Jul 09, 2018      DATE REPORTED: Aug 01, 2018      SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
36 (9385691)		3.137
37 (9385692)		1.917
38 (9385693)		2.375
39 (9385694)		1.433

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T359737

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jul 08, 2018		DATE RECEIVED: Jul 09, 2018					DATE REPORTED: Aug 01, 2018					SAMPLE TYPE: Rock				
	Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
	Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
Sample ID (AGAT ID)	RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
36 (9385691)		<1	9.23	<5	<20	957	<5	0.2	1.38	<0.2	67.7	27.4	0.022	3.6	25	
37 (9385692)		<1	6.87	<5	<20	250	<5	0.3	0.63	<0.2	38.6	30.0	0.020	1.2	371	
38 (9385693)		<1	5.52	<5	<20	59.8	<5	0.4	0.37	<0.2	17.3	68.7	0.019	0.4	202	
39 (9385694)		<1	6.90	<5	<20	119	<5	0.4	0.53	<0.2	27.7	15.6	0.019	1.2	99	
	Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
	Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
Sample ID (AGAT ID)	RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
36 (9385691)		2.78	1.71	0.94	5.60	25.1	3.48	1	3	0.57	<0.2	2.59	33.1	44	0.24	
37 (9385692)		1.74	0.89	0.63	3.20	14.6	2.15	1	3	0.32	<0.2	0.86	18.6	29	0.14	
38 (9385693)		1.51	0.91	0.31	1.33	8.21	1.47	<1	3	0.30	<0.2	0.37	7.7	13	0.13	
39 (9385694)		2.21	1.45	0.51	2.60	14.1	2.02	<1	3	0.47	<0.2	0.67	12.7	16	0.19	
	Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
	Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
Sample ID (AGAT ID)	RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
36 (9385691)		2.26	666	5	7	27.2	83	0.07	5	7.60	116	<0.01	<0.1	17	27.4	
37 (9385692)		1.36	377	6	4	15.5	66	0.04	<5	4.50	37.4	0.11	<0.1	9	32.9	
38 (9385693)		0.37	111	8	2	8.0	19	0.03	<5	2.06	13.8	0.25	<0.1	<5	36.1	
39 (9385694)		0.74	228	6	4	11.3	32	0.04	<5	3.16	33.1	0.05	<0.1	7	32.9	
	Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
	Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Sample ID (AGAT ID)	RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
36 (9385691)		4.6	2	289	0.8	0.53	11.8	0.37	1.0	0.24	4.46	127	<1	15.9	1.7	
37 (9385692)		2.7	<1	124	<0.5	0.33	6.8	0.21	<0.5	0.13	2.19	54	<1	8.8	0.8	
38 (9385693)		1.8	<1	76.5	<0.5	0.23	3.5	0.11	<0.5	0.12	1.73	18	<1	8.7	0.9	
39 (9385694)		2.3	<1	101	<0.5	0.34	5.8	0.19	<0.5	0.23	2.04	54	<1	14.5	1.5	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T359737

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jul 08, 2018	DATE RECEIVED: Jul 09, 2018	DATE REPORTED: Aug 01, 2018	SAMPLE TYPE: Rock
Analyte:	Zn	Zr	
Unit:	ppm	ppm	
Sample ID (AGAT ID)	RDL: 5	0.5	
36 (9385691)	71	113	
37 (9385692)	44	121	
38 (9385693)	11	133	
39 (9385694)	23	144	

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T359737

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

DATE SAMPLED: Jul 08, 2018

DATE RECEIVED: Jul 09, 2018

DATE REPORTED: Aug 01, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Au	Pd	Pt
	Unit:	ppm	ppm	ppm
	RDL:	0.001	0.001	0.005
36 (9385691)		0.025	0.002	<0.005
37 (9385692)		0.023	<0.001	<0.005
38 (9385693)		0.020	0.001	<0.005
39 (9385694)		0.014	0.001	<0.005

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2							
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Ag	9385691	< 1	< 1	0.0%	9385694	< 1	< 1	0.0%				
Al	9385691	9.23	9.31	0.9%	9385694	6.90	6.51	5.8%				
As	9385691	< 5	< 5	0.0%	9385694	< 5	< 5	0.0%				
B	9385691	< 20	< 20	0.0%	9385694	< 20	< 20	0.0%				
Ba	9385691	957	992	3.6%	9385694	119	118	0.8%				
Be	9385691	< 5	< 5	0.0%	9385694	< 5	< 5	0.0%				
Bi	9385691	0.2	0.2	0.0%	9385694	0.4	0.4	0.0%				
Ca	9385691	1.38	1.33	3.7%	9385694	0.53	0.51	3.8%				
Cd	9385691	< 0.2	< 0.2	0.0%	9385694	< 0.2	< 0.2	0.0%				
Ce	9385691	67.7	68.3	0.9%	9385694	27.7	26.4	4.8%				
Co	9385691	27.4	27.9	1.8%	9385694	15.6	15.3	1.9%				
Cr	9385691	0.0216	0.0213	1.4%	9385694	0.0186	0.0182	2.2%				
Cs	9385691	3.59	3.65	1.7%	9385694	1.2	1.2	0.0%				
Cu	9385691	25	25	0.0%	9385694	99	99	0.0%				
Dy	9385691	2.78	2.87	3.2%	9385694	2.21	2.15	2.8%				
Er	9385691	1.71	1.77	3.4%	9385694	1.45	1.48	2.0%				
Eu	9385691	0.944	1.04	9.7%	9385694	0.51	0.55	7.5%				
Fe	9385691	5.60	5.61	0.2%	9385694	2.60	2.48	4.7%				
Ga	9385691	25.1	24.9	0.8%	9385694	14.1	14.4	2.1%				
Gd	9385691	3.48	3.63	4.2%	9385694	2.02	1.93	4.6%				
Ge	9385691	1	1	0.0%	9385694	< 1	1					
Hf	9385691	3	3	0.0%	9385694	3	3	0.0%				
Ho	9385691	0.566	0.563	0.5%	9385694	0.469	0.441	6.2%				
In	9385691	< 0.2	< 0.2	0.0%	9385694	< 0.2	< 0.2	0.0%				
K	9385691	2.59	2.59	0.0%	9385694	0.67	0.65	3.0%				
La	9385691	33.1	33.1	0.0%	9385694	12.7	12.3	3.2%				
Li	9385691	44	46	4.4%	9385694	16	15	6.5%				
Lu	9385691	0.245	0.268	9.0%	9385694	0.19	0.19	0.0%				
Mg	9385691	2.26	2.31	2.2%	9385694	0.74	0.73	1.4%				
Mn	9385691	666	672	0.9%	9385694	228	224	1.8%				
Mo	9385691	5	4	22.2%	9385694	6	6	0.0%				





CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

Nb	9385691	7	8	13.3%	9385694	4	4	0.0%									
Nd	9385691	27.2	27.4	0.7%	9385694	11.3	11.2	0.9%									
Ni	9385691	83	82	1.2%	9385694	32	32	0.0%									
P	9385691	0.07	0.07	0.0%	9385694	0.04	0.04	0.0%									
Pb	9385691	5	5	0.0%	9385694	< 5	< 5	0.0%									
Pr	9385691	7.60	7.70	1.3%	9385694	3.16	3.08	2.6%									
Rb	9385691	116	117	0.9%	9385694	33.1	33.2	0.3%									
S	9385691	< 0.01	0.01		9385694	0.048	0.044	8.7%									
Sb	9385691	< 0.1	< 0.1	0.0%	9385694	< 0.1	< 0.1	0.0%									
Sc	9385691	17	17	0.0%	9385694	7	7	0.0%									
Si	9385691	27.4	27.4	0.0%	9385694	32.9	31.3	5.0%									
Sm	9385691	4.60	4.69	1.9%	9385694	2.31	2.12	8.6%									
Sn	9385691	2	2	0.0%	9385694	< 1	< 1	0.0%									
Sr	9385691	289	284	1.7%	9385694	101	101	0.0%									
Ta	9385691	0.8	0.5		9385694	< 0.5	< 0.5	0.0%									
Tb	9385691	0.53	0.53	0.0%	9385694	0.340	0.335	1.5%									
Th	9385691	11.8	12.0	1.7%	9385694	5.8	6.0	3.4%									
Ti	9385691	0.37	0.37	0.0%	9385694	0.189	0.181	4.3%									
Tl	9385691	1.02	0.93	9.2%	9385694	< 0.5	< 0.5	0.0%									
Tm	9385691	0.24	0.26	8.0%	9385694	0.23	0.21	9.1%									
U	9385691	4.46	4.10	8.4%	9385694	2.04	2.11	3.4%									
V	9385691	127	130	2.3%	9385694	54	54	0.0%									
W	9385691	< 1	< 1	0.0%	9385694	< 1	< 1	0.0%									
Y	9385691	15.9	16.2	1.9%	9385694	14.5	14.2	2.1%									
Yb	9385691	1.67	1.76	5.2%	9385694	1.46	1.44	1.4%									
Zn	9385691	71	72	1.4%	9385694	23	25	8.3%									
Zr	9385691	113	114	0.9%	9385694	144	151	4.7%									

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

Parameter	REPLICATE #1				REPLICATE #2												
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD									
Au	9385691	0.025	0.014		9385694	0.0142	0.0167	16.2%									
Pd	9385691	0.002	0.002	0.0%	9385694	0.001	< 0.001										
Pt	9385691	< 0.005	< 0.005	0.0%	9385694	< 0.005	< 0.005	0.0%									



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)																	
	Expect	Actual	Recovery	Limits														
Al	10.95	11.2	102%	90% - 110%														
Ba	340	337	99%	90% - 110%														
Be	2.6	3.1	121%	90% - 110%														
Ca	5.72	5.91	103%	90% - 110%														
Ce	122	131	107%	90% - 110%														
Co	2.8	2.8	100%	90% - 110%														
Cs	1.5	1.5	103%	90% - 110%														
Cu	7	5	71%	90% - 110%														
Dy	18.2	19.4	107%	90% - 110%														
Er	14.2	14.8	104%	90% - 110%														
Eu	2.0	1.9	93%	90% - 110%														
Fe	4.34	4.44	102%	90% - 110%														
Ga	35	37	107%	90% - 110%														
Gd	14	14.2	101%	90% - 110%														
Hf	10.6	10.2	96%	90% - 110%														
Ho	4.3	4.5	104%	90% - 110%														
K	1.37	1.44	105%	90% - 110%														
La	58	60	104%	90% - 110%														
Li	37	40	108%	90% - 110%														
Lu	2.1	2.1	101%	90% - 110%														
Mg	0.325	0.301	93%	90% - 110%														
Mn	836	788	94%	90% - 110%														
Nb	13	14	105%	90% - 110%														
Nd	57	61	106%	90% - 110%														
Pb	10	10	97%	90% - 110%														
Pr	15.0	16	107%	90% - 110%														
Rb	55	56	102%	90% - 110%														
Si	23.3	22.4	96%	90% - 110%														
Sm	12.7	13.3	105%	90% - 110%														
Sn	7.1	7.6	107%	90% - 110%														
Sr	1191	1257	106%	90% - 110%														



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

Ta	0.9	0.9	95%	90% - 110%													
Tb	2.6	2.7	105%	90% - 110%													
Th	1.4	1.3	96%	90% - 110%													
Ti	0.172	0.17	99%	90% - 110%													
Tm	2.3	2.3	98%	90% - 110%													
U	0.8	0.8	103%	90% - 110%													
Y	119	128	107%	90% - 110%													
Yb	14.8	15.4	104%	90% - 110%													
Zn	93	92.2	99%	90% - 110%													
Zr	517	546	106%	90% - 110%													

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

CRM #1 (ref.PG129)																	
Parameter	Expect	Actual	Recovery	Limits													
Au	1.1	1.1	99%	90% - 110%													
Pd	0.115	0.117	102%	90% - 110%													
Pt	0.239	0.235	98%	90% - 110%													



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP  
 PROJECT:  
 SAMPLING SITE:

AGAT WORK ORDER: 18T359737  
 ATTENTION TO: GUY EUGENE RICHARD; RYAN  
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T359737

PROJECT:

ATTENTION TO: GUY EUGENE RICHARD; RYAN

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pd	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pt	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES



CLIENT NAME: CREELMAN GOLD CORP  
1886 PENAGE LAKE RD  
WHITEFISH, ON P0M 3E0  
705-207-8616

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

PROJECT:

AGAT WORK ORDER: 18T369740

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: Sep 13, 2018

PAGES (INCLUDING COVER): 14

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

\*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



## Certificate of Analysis

AGAT WORK ORDER: 18T369740

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (200-) Sample Login Weight

DATE SAMPLED: Aug 02, 2018

DATE RECEIVED: Aug 03, 2018

DATE REPORTED: Sep 13, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
53 (9444562)		1.919
54 (9444563)		3.432
55 (9444564)		5.555
56 (9444565)		4.448
57 (9444566)		3.632
58 (9444567)		1.459
59 (9444568)		1.858
60 (9444569)		1.369
61 (9444570)		1.436
62 (9444571)		1.069
63 (9444572)		1.487
64 (9444573)		2.530
65 (9444574)		2.448
66 (9444575)		3.448
67 (9444576)		1.267
68 (9444577)		1.889
69 (9444578)		1.144
70 (9444579)		1.468
71 (9444580)		1.573
72 (9444581)		1.555

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T369740

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 02, 2018

DATE RECEIVED: Aug 03, 2018

DATE REPORTED: Sep 13, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5
53 (9444562)		<1	3.47	<5	<20	401	<5	<0.1	0.45	<0.2	4.8	1.7	0.016	0.3	16
54 (9444563)		<1	6.87	6	54	754	<5	0.8	0.14	<0.2	74.9	13.1	0.019	7.1	39
55 (9444564)		<1	6.55	<5	38	790	<5	0.6	0.15	<0.2	49.4	8.8	0.016	4.5	29
56 (9444565)		<1	7.23	<5	55	795	<5	0.6	0.62	<0.2	71.3	23.6	0.019	5.1	54
57 (9444566)		<1	6.57	<5	34	553	<5	0.4	0.75	<0.2	58.1	18.5	0.018	3.0	42
58 (9444567)		1	1.07	<5	<20	28.8	<5	1.7	0.45	<0.2	12.2	8.1	0.028	0.1	1130
59 (9444568)		<1	1.99	<5	<20	46.2	<5	2.3	0.74	<0.2	20.8	3.0	0.027	0.4	1640
60 (9444569)		<1	7.31	<5	<20	428	<5	0.1	3.55	<0.2	20.9	50.3	0.008	7.4	21
61 (9444570)		1	4.35	<5	<20	173	<5	<0.1	0.29	<0.2	8.6	0.7	0.016	0.7	<5
62 (9444571)		<1	4.60	<5	<20	206	<5	0.1	0.93	<0.2	28.1	189	0.026	11.0	233
63 (9444572)		2	7.19	<5	<20	170	<5	<0.1	0.24	<0.2	39.6	1.0	0.012	2.5	<5
64 (9444573)		<1	7.42	<5	<20	1460	<5	1.7	4.94	<0.2	49.5	28.9	0.023	8.1	31
65 (9444574)		90	8.79	<5	<20	1300	18	600	2.48	9.8	34.7	40.8	0.014	18.5	165
66 (9444575)		4	8.67	5	<20	794	18	4.8	8.03	2.8	49.9	33.7	0.021	11.7	157
67 (9444576)		2	1.23	<5	<20	40.6	<5	0.6	0.45	0.2	3.8	181	0.027	0.2	2740
68 (9444577)		3	5.48	<5	<20	67.8	<5	0.2	0.25	<0.2	28.2	7.1	0.014	5.9	7
69 (9444578)		2	7.33	<5	<20	37.1	5	0.2	0.23	<0.2	14.5	7.3	0.017	5.2	6
70 (9444579)		<1	7.67	<5	44	499	<5	0.2	0.59	<0.2	63.0	18.8	0.019	7.3	7
71 (9444580)		<1	6.30	72	<20	501	<5	2.2	2.64	<0.2	43.0	504	0.008	4.8	1940
72 (9444581)		<1	6.46	53	<20	364	<5	2.0	2.41	0.5	52.9	414	0.038	2.8	1650

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 18T369740

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 02, 2018

DATE RECEIVED: Aug 03, 2018

DATE REPORTED: Sep 13, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
53 (9444562)		0.28	0.15	0.16	0.33	9.16	0.32	<1	<1	<0.05	<0.2	1.28	2.7	<10	<0.05
54 (9444563)		3.91	2.37	1.11	2.50	19.2	4.92	2	6	0.82	<0.2	3.45	35.3	28	0.37
55 (9444564)		3.40	2.11	0.79	2.24	18.0	3.70	2	6	0.73	<0.2	3.28	24.6	31	0.35
56 (9444565)		3.86	2.31	1.36	3.91	20.8	5.26	2	5	0.85	<0.2	2.91	34.5	44	0.39
57 (9444566)		3.53	2.03	1.07	3.42	16.8	4.52	2	4	0.73	<0.2	1.96	27.9	41	0.29
58 (9444567)		0.62	0.55	0.24	1.72	5.43	0.70	<1	<1	0.16	<0.2	0.21	6.3	<10	0.09
59 (9444568)		1.22	0.92	0.47	2.11	9.41	1.40	<1	<1	0.28	<0.2	0.30	11.0	14	0.14
60 (9444569)		3.63	2.21	0.94	9.26	26.2	3.44	2	2	0.78	<0.2	4.74	9.8	50	0.33
61 (9444570)		8.10	5.89	0.39	0.43	15.8	4.75	2	2	1.83	<0.2	2.50	4.6	<10	1.66
62 (9444571)		2.77	1.81	0.73	6.71	23.3	2.51	1	2	0.58	<0.2	2.78	13.3	40	0.33
63 (9444572)		3.46	2.43	0.22	0.44	38.9	2.97	3	3	0.73	<0.2	3.75	17.6	13	0.75
64 (9444573)		4.63	2.53	1.96	5.95	19.9	5.74	2	3	0.94	<0.2	2.44	22.6	77	0.39
65 (9444574)		3.58	2.05	1.29	4.64	16.3	4.25	2	2	0.76	<0.2	2.54	16.4	102	0.32
66 (9444575)		4.54	2.46	1.82	6.56	28.1	5.70	5	3	0.91	0.2	1.86	22.4	61	0.39
67 (9444576)		0.32	0.16	0.18	3.97	2.12	0.44	<1	<1	0.06	<0.2	0.18	1.8	<10	<0.05
68 (9444577)		7.71	5.87	0.12	0.42	52.5	4.74	5	3	1.70	0.4	3.30	10.5	11	2.09
69 (9444578)		4.28	3.10	<0.05	0.35	55.0	2.34	5	2	0.91	0.3	3.78	5.8	<10	1.03
70 (9444579)		2.71	1.65	1.08	4.51	19.4	4.15	2	5	0.55	<0.2	2.88	31.4	31	0.28
71 (9444580)		5.55	3.13	1.43	16.1	22.1	6.02	2	3	1.19	<0.2	1.78	23.3	29	0.46
72 (9444581)		4.86	2.71	1.55	11.8	20.9	5.78	2	3	1.00	<0.2	1.38	27.4	26	0.41

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T369740

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 02, 2018

DATE RECEIVED: Aug 03, 2018

DATE REPORTED: Sep 13, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %
53 (9444562)		0.08	67	9	1	2.1	8	0.01	<5	0.60	30.0	<0.01	0.1	<5	37.9
54 (9444563)		1.22	164	12	11	33.4	32	0.04	14	9.39	202	0.58	0.1	9	31.2
55 (9444564)		1.13	155	10	11	20.3	18	0.04	114	5.75	178	0.18	0.2	8	30.2
56 (9444565)		2.17	352	6	10	33.0	65	0.05	29	9.01	152	0.52	0.2	15	30.5
57 (9444566)		1.93	373	6	8	27.2	49	0.04	25	7.31	95.1	0.41	0.2	12	31.4
58 (9444567)		0.22	168	17	<1	5.3	17	0.03	5	1.51	5.7	0.31	0.3	<5	40.8
59 (9444568)		0.38	268	18	<1	8.8	20	0.03	8	2.47	12.4	0.20	0.4	<5	38.2
60 (9444569)		3.83	1890	<2	5	12.4	90	0.03	39	2.88	625	<0.01	<0.1	35	20.9
61 (9444570)		0.09	53	11	36	4.4	6	<0.01	14	1.12	140	<0.01	<0.1	<5	38.1
62 (9444571)		2.88	617	14	11	12.8	115	0.04	17	3.49	449	1.33	0.1	12	30.3
63 (9444572)		0.08	34	8	55	15.6	7	0.01	11	4.83	349	<0.01	0.2	10	32.8
64 (9444573)		3.65	1340	6	4	28.9	34	0.17	17	6.85	140	0.19	0.2	28	23.6
65 (9444574)		2.52	800	26	5	20.3	30	0.12	7690	4.97	165	0.63	0.2	18	24.2
66 (9444575)		2.56	1250	4	5	28.7	32	0.17	61	6.79	155	0.21	0.2	27	21.9
67 (9444576)		0.16	88	20	<1	2.1	192	<0.01	20	0.51	12.5	2.02	<0.1	<5	39.0
68 (9444577)		0.04	113	14	71	13.6	6	<0.01	39	3.80	607	<0.01	<0.1	55	35.0
69 (9444578)		0.02	120	14	48	5.6	8	<0.01	39	1.70	651	<0.01	<0.1	27	33.6
70 (9444579)		1.41	284	3	8	28.1	65	0.04	<5	7.76	162	<0.01	0.2	13	30.1
71 (9444580)		4.59	1530	3	5	22.7	142	0.07	29	5.50	85.3	6.10	2.9	37	17.4
72 (9444581)		3.71	1260	4	5	26.9	212	0.07	52	6.71	65.2	4.55	2.9	30	20.7

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T369740

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 02, 2018

DATE RECEIVED: Aug 03, 2018

DATE REPORTED: Sep 13, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti %	Tl ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm
		0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
53 (9444562)		0.4	<1	108	<0.5	<0.05	0.8	0.03	<0.5	<0.05	0.92	<5	<1	1.6	0.2
54 (9444563)		5.2	3	93.8	1.2	0.66	16.9	0.24	1.6	0.39	6.41	56	3	21.9	2.6
55 (9444564)		3.6	3	91.5	1.0	0.54	14.3	0.23	1.4	0.35	5.18	53	2	20.1	2.3
56 (9444565)		5.5	3	83.3	0.8	0.73	11.6	0.33	1.1	0.36	4.22	102	3	22.4	2.3
57 (9444566)		4.4	2	120	0.6	0.64	9.3	0.28	0.8	0.30	3.40	80	2	18.8	1.9
58 (9444567)		0.8	<1	111	<0.5	0.11	0.4	<0.01	<0.5	0.10	1.02	29	<1	4.8	0.6
59 (9444568)		1.5	<1	184	<0.5	0.20	1.2	0.03	<0.5	0.14	2.29	44	<1	8.0	0.9
60 (9444569)		2.7	3	120	<0.5	0.56	2.1	0.59	5.5	0.35	0.99	281	<1	19.7	2.3
61 (9444570)		2.3	3	38.8	26.4	1.08	11.1	0.04	0.9	1.16	7.77	<5	<1	50.2	10.0
62 (9444571)		2.4	7	46.3	0.7	0.45	4.9	0.24	4.0	0.32	10.7	116	4	18.0	2.2
63 (9444572)		3.2	20	33.2	9.2	0.54	18.9	0.03	1.8	0.52	7.46	<5	1	22.5	4.4
64 (9444573)		5.4	1	534	<0.5	0.81	3.0	0.48	1.4	0.40	0.84	213	1	23.9	2.6
65 (9444574)		4.0	2	414	<0.5	0.61	2.7	0.33	1.9	0.33	0.82	122	<1	19.8	2.2
66 (9444575)		5.5	8	1040	<0.5	0.80	2.9	0.50	1.3	0.38	1.04	238	22	24.7	2.5
67 (9444576)		0.4	<1	34.8	<0.5	0.06	0.2	0.04	<0.5	<0.05	0.46	16	<1	1.6	0.2
68 (9444577)		4.7	69	29.7	27.1	1.06	12.0	0.04	3.1	1.38	6.07	<5	2	37.0	12.6
69 (9444578)		2.1	44	23.6	21.1	0.57	5.7	0.02	3.6	0.73	4.71	<5	1	25.0	6.3
70 (9444579)		4.4	3	68.3	0.9	0.54	12.1	0.33	1.0	0.27	4.08	93	1	14.8	1.9
71 (9444580)		5.0	1	80.1	<0.5	0.93	0.9	0.96	0.5	0.49	0.65	374	1	31.7	3.3
72 (9444581)		5.2	1	125	<0.5	0.85	4.6	0.67	<0.5	0.42	1.50	254	<1	26.1	2.6

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T369740

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 02, 2018

DATE RECEIVED: Aug 03, 2018

DATE REPORTED: Sep 13, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
53 (9444562)		6	33.4
54 (9444563)		37	242
55 (9444564)		85	236
56 (9444565)		63	193
57 (9444566)		65	173
58 (9444567)		13	2.8
59 (9444568)		19	13.5
60 (9444569)		305	82.6
61 (9444570)		12	15.3
62 (9444571)		83	71.1
63 (9444572)		6	64.3
64 (9444573)		122	111
65 (9444574)		240	89.5
66 (9444575)		247	114
67 (9444576)		85	4.0
68 (9444577)		11	19.4
69 (9444578)		13	8.2
70 (9444579)		46	219
71 (9444580)		125	122
72 (9444581)		194	140

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T369740

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
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 TEL (905)501-9998  
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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

DATE SAMPLED: Aug 02, 2018	DATE RECEIVED: Aug 03, 2018	DATE REPORTED: Sep 13, 2018	SAMPLE TYPE: Rock
Analyte:	Au	Pd	Pt
Unit:	ppm	ppm	ppm
RDL:	0.001	0.001	0.005
Sample ID (AGAT ID)			
53 (9444562)	0.002	<0.001	<0.005
54 (9444563)	0.002	<0.001	<0.005
55 (9444564)	0.001	0.001	<0.005
56 (9444565)	0.002	0.002	<0.005
57 (9444566)	0.002	0.001	<0.005
58 (9444567)	0.261	<0.001	<0.005
59 (9444568)	0.228	<0.001	<0.005
60 (9444569)	0.002	0.001	<0.005
61 (9444570)	<0.001	<0.001	<0.005
62 (9444571)	0.006	0.003	<0.005
63 (9444572)	<0.001	<0.001	<0.005
64 (9444573)	<0.001	<0.001	<0.005
65 (9444574)	0.071	<0.001	<0.005
66 (9444575)	0.001	<0.001	<0.005
67 (9444576)	0.013	<0.001	<0.005
68 (9444577)	<0.001	<0.001	<0.005
69 (9444578)	<0.001	<0.001	<0.005
70 (9444579)	<0.001	<0.001	<0.005
71 (9444580)	0.072	<0.001	<0.005
72 (9444581)	0.053	<0.001	<0.005

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2							
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Ag	9444562	< 1	< 1	0.0%	9444575	4	2					
Al	9444562	3.47	3.38	2.6%	9444575	8.67	8.50	2.0%				
As	9444562	< 5	< 5	0.0%	9444575	5	6	18.2%				
B	9444562	< 20	< 20	0.0%	9444575	< 20	< 20	0.0%				
Ba	9444562	401	370	8.0%	9444575	794	815	2.6%				
Be	9444562	< 5	< 5	0.0%	9444575	18	17	5.7%				
Bi	9444562	< 0.1	< 0.1	0.0%	9444575	4.8	3.8	23.3%				
Ca	9444562	0.453	0.403	11.7%	9444575	8.03	7.95	1.0%				
Cd	9444562	< 0.2	< 0.2	0.0%	9444575	2.83	2.44	14.8%				
Ce	9444562	4.77	4.24	11.8%	9444575	49.9	47.2	5.6%				
Co	9444562	1.74	1.95	11.4%	9444575	33.7	31.7	6.1%				
Cr	9444562	0.0157	0.0149	5.2%	9444575	0.021	0.021	0.0%				
Cs	9444562	0.3	0.3	0.0%	9444575	11.7	11.2	4.4%				
Cu	9444562	16	9		9444575	157	160	1.9%				
Dy	9444562	0.280	0.272	2.9%	9444575	4.54	4.44	2.2%				
Er	9444562	0.15	0.15	0.0%	9444575	2.46	2.50	1.6%				
Eu	9444562	0.16	0.17	6.1%	9444575	1.82	1.81	0.6%				
Fe	9444562	0.33	0.31	6.3%	9444575	6.56	6.45	1.7%				
Ga	9444562	9.16	10.4	12.7%	9444575	28.1	27.0	4.0%				
Gd	9444562	0.318	0.357	11.6%	9444575	5.70	5.42	5.0%				
Ge	9444562	< 1	1		9444575	5	5	0.0%				
Hf	9444562	< 1	1		9444575	3	3	0.0%				
Ho	9444562	0.05	0.06	18.2%	9444575	0.912	0.903	1.0%				
In	9444562	< 0.2	< 0.2	0.0%	9444575	0.2	0.2	0.0%				
K	9444562	1.28	1.18	8.1%	9444575	1.86	1.81	2.7%				
La	9444562	2.71	2.31	15.9%	9444575	22.4	22.0	1.8%				
Li	9444562	< 10	< 10	0.0%	9444575	61	59	3.3%				
Lu	9444562	< 0.05	< 0.05	0.0%	9444575	0.39	0.35	10.8%				
Mg	9444562	0.08	0.08	0.0%	9444575	2.56	2.59	1.2%				
Mn	9444562	67	62	7.8%	9444575	1250	1270	1.6%				
Mo	9444562	9	10	10.5%	9444575	4	4	0.0%				



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

Nb	9444562	1	1	0.0%	9444575	5	4	22.2%									
Nd	9444562	2.12	1.83	14.7%	9444575	28.7	27.4	4.6%									
Ni	9444562	8	6	28.6%	9444575	32	29	9.8%									
P	9444562	0.01	0.01	0.0%	9444575	0.17	0.17	0.0%									
Pb	9444562	< 5	< 5	0.0%	9444575	61	56	8.5%									
Pr	9444562	0.60	0.51	16.2%	9444575	6.79	6.57	3.3%									
Rb	9444562	30.0	28.9	3.7%	9444575	155	148	4.6%									
S	9444562	< 0.01	< 0.01	0.0%	9444575	0.21	0.21	0.0%									
Sb	9444562	0.1	< 0.1		9444575	0.2	0.2	0.0%									
Sc	9444562	< 5	< 5	0.0%	9444575	27	28	3.6%									
Si	9444562	37.9	38.5	1.6%	9444575	21.9	21.4	2.3%									
Sm	9444562	0.37	0.34	8.5%	9444575	5.46	5.07	7.4%									
Sn	9444562	< 1	< 1	0.0%	9444575	8	7	13.3%									
Sr	9444562	108	103	4.7%	9444575	1040	1050	1.0%									
Ta	9444562	< 0.5	< 0.5	0.0%	9444575	< 0.5	< 0.5	0.0%									
Tb	9444562	< 0.05	< 0.05	0.0%	9444575	0.796	0.775	2.7%									
Th	9444562	0.81	0.63	25.0%	9444575	2.88	2.82	2.1%									
Ti	9444562	0.03	0.03	0.0%	9444575	0.497	0.478	3.9%									
Tl	9444562	< 0.5	< 0.5	0.0%	9444575	1.35	1.35	0.0%									
Tm	9444562	< 0.05	< 0.05	0.0%	9444575	0.380	0.385	1.3%									
U	9444562	0.918	0.832	9.8%	9444575	1.04	1.03	1.0%									
V	9444562	< 5	< 5	0.0%	9444575	238	243	2.1%									
W	9444562	< 1	< 1	0.0%	9444575	22	25	12.8%									
Y	9444562	1.64	1.71	4.2%	9444575	24.7	23.8	3.7%									
Yb	9444562	0.2	0.2	0.0%	9444575	2.47	2.21	11.1%									
Zn	9444562	6	5	18.2%	9444575	247	236	4.6%									
Zr	9444562	33.4	36.1	7.8%	9444575	114	105	8.2%									

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

Parameter	REPLICATE #1				REPLICATE #2												
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD									
Au	9444562	0.002	< 0.001		9444571	0.0062	0.0053	15.7%									
Pd	9444562	< 0.001	< 0.001	0.0%	9444571	0.003	0.002										
Pt	9444562	< 0.005	< 0.005	0.0%	9444571	< 0.005	< 0.005	0.0%									



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.Till-2)												
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits									
Al	10.95	10.62	97%	90% - 110%	8.47	7.79	92%	90% - 110%									
As					26	29	110%	90% - 110%									
Ba	340	334	98%	90% - 110%	540	504	93%	90% - 110%									
Be					4.0	4.36	109%	90% - 110%									
Ca	5.72	5.57	97%	90% - 110%	0.907	0.892	98%	90% - 110%									
Ce	122	121	99%	90% - 110%	98	119	122%	90% - 110%									
Co	2.8	2.6	95%	90% - 110%	15	16	110%	90% - 110%									
Cu					150	148	99%	90% - 110%									
Dy	18.2	19.8	109%	90% - 110%													
Er	14.2	15.5	109%	90% - 110%	3.7	4.07	110%	90% - 110%									
Eu	2.0	2.1	104%	90% - 110%													
Fe	4.34	4.18	96%	90% - 110%	3.77	3.56	95%	90% - 110%									
Ga	35	38.4	110%	90% - 110%													
Gd	14	15	109%	90% - 110%													
Hf	10.6	11.6	110%	90% - 110%	11	11	96%	90% - 110%									
Ho	4.3	4.7	110%	90% - 110%													
K	1.37	1.41	103%	90% - 110%	2.55	2.44	96%	90% - 110%									
La	58	56.9	98%	90% - 110%	44	52.3	119%	90% - 110%									
Li	37	43	115%	90% - 110%	47	49	105%	90% - 110%									
Lu	2.1	2.3	109%	90% - 110%	0.6	0.6	99%	90% - 110%									
Mg	0.325	0.326	100%	90% - 110%	1.1	1.1	100%	90% - 110%									
Mn	836	825	99%	90% - 110%	780	744	95%	90% - 110%									
Mo					14	15	109%	90% - 110%									
Nb	13	14.2	109%	90% - 110%	20	21.9	110%	90% - 110%									
Nd	57	62	109%	90% - 110%													
Ni	9	10	112%	90% - 110%	32	39	121%	90% - 110%									
Pb	10	10	96%	90% - 110%	31	32.0	103%	90% - 110%									
Pr	15.0	16.4	109%	90% - 110%													
Rb	55	60	108%	90% - 110%	144	158	109%	90% - 110%									
Sb					0.8	1	129%	90% - 110%									
Sc					12	12	96%	90% - 110%									





CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

Si	23.3	21.9	94%	90% - 110%	28.4	25.9	91%	90% - 110%								
Sm	12.7	12.5	98%	90% - 110%	7.4	9.2	124%	90% - 110%								
Sn	7.1	8.2	116%	90% - 110%												
Sr	1191	1163	98%	90% - 110%	144	138	96%	90% - 110%								
Ta	0.9	0.9	99%	90% - 110%	1.9	2.1	110%	90% - 110%								
Tb	2.6	2.8	107%	90% - 110%	1.2	1.4	115%	90% - 110%								
Th	1.4	1.3	91%	90% - 110%	18.4	20.2	110%	90% - 110%								
Ti	0.172	0.168	98%	90% - 110%	0.527	0.494	94%	90% - 110%								
Tm	2.3	2.5	110%	90% - 110%												
U	0.8	0.8	99%	90% - 110%	5.7	6.2	109%	90% - 110%								
V	8	6	73%	90% - 110%	77	76	99%	90% - 110%								
W					5	5	110%	90% - 110%								
Y	119	130	109%	90% - 110%	40	40.4	101%	90% - 110%								
Yb	14.8	16.2	110%	90% - 110%												
Zn	93	93	100%	90% - 110%	130	128	98%	90% - 110%								
Zr	517	654	127%	90% - 110%	390	386	99%	90% - 110%								

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

Parameter	CRM #1 (REF.PG129)				CRM #2 (ref.Till-2)											
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Au	1.1	1.1	98%	90% - 110%												
Pd	0.115	0.116	101%	90% - 110%												
Pt	0.239	0.235	98%	90% - 110%												



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP  
 PROJECT:  
 SAMPLING SITE:

AGAT WORK ORDER: 18T369740  
 ATTENTION TO: GUY EUGENE RICHARD; RYAN  
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T369740

PROJECT:

ATTENTION TO: GUY EUGENE RICHARD; RYAN

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pd	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pt	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES



CLIENT NAME: CREELMAN GOLD CORP  
1886 PENAGE LAKE RD  
WHITEFISH, ON P0M 3E0  
705-207-8616

ATTENTION TO: GUY EUGENE RICHARD

PROJECT: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T372718

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: Sep 19, 2018

PAGES (INCLUDING COVER): 14

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

\*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



## Certificate of Analysis

AGAT WORK ORDER: 18T372718  
PROJECT: CREELMAN GOLD CORP

5623 McADAM ROAD  
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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (200-) Sample Login Weight

DATE SAMPLED: Aug 12, 2018      DATE RECEIVED: Aug 10, 2018      DATE REPORTED: Sep 19, 2018      SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
78 (9466084)		1.212
79 (9466085)		1.965
80 (9466086)		.967
81 (9466087)		3.086
82 (9466088)		1.908
83 (9466089)		2.292
84 (9466090)		1.581
85 (9466091)		1.857
86 (9466092)		1.436
87 (9466093)		2.521
88 (9466094)		1.572
89 (9466095)		1.339
90 (9466096)		1.491
91 (9466097)		2.132
92 (9466098)		1.485
93 (9466099)		3.272
94 (9466100)		1.615
95 (9466101)		1.159
96 (9466102)		2.911
97 (9466103)		2.343
98 (9466104)		3.738
99 (9466105)		2.094
100 (9466106)		1.921
101 (9466107)		2.427

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T372718  
PROJECT: CREELMAN GOLD CORP

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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 12, 2018

DATE RECEIVED: Aug 10, 2018

DATE REPORTED: Sep 19, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5
78 (9466084)		<1	8.82	<5	22	942	<5	0.4	1.18	<0.2	42.8	21.3	0.024	4.2	59
79 (9466085)		<1	8.68	<5	23	921	<5	0.2	1.58	<0.2	62.8	22.7	0.023	3.5	49
80 (9466086)		<1	3.98	<5	<20	127	<5	1.4	1.61	<0.2	33.8	9.3	0.037	0.7	24
81 (9466087)		<1	6.04	<5	<20	143	<5	0.2	0.82	<0.2	13.8	4.8	0.028	1.2	5
82 (9466088)		<1	7.79	<5	21	389	<5	0.2	0.69	<0.2	50.2	21.5	0.024	5.1	23
83 (9466089)		<1	8.01	<5	<20	62.4	<5	0.7	1.79	<0.2	60.5	64.1	0.030	2.5	183
84 (9466090)		<1	7.96	<5	156	121	6	0.2	1.54	<0.2	26.7	22.8	0.037	3.1	20
85 (9466091)		<1	0.75	<5	<20	7.7	<5	0.2	0.45	<0.2	1.8	25.0	0.035	0.1	18
86 (9466092)		<1	5.13	<5	24	43.6	<5	<0.1	0.86	<0.2	25.6	2.6	0.027	0.5	12
87 (9466093)		<1	7.52	<5	<20	141	<5	1.3	6.62	<0.2	42.8	80.8	0.016	3.9	158
88 (9466094)		<1	7.90	<5	23	135	<5	1.3	0.74	<0.2	22.2	175	0.012	3.7	82
89 (9466095)		<1	7.59	<5	25	138	<5	1.3	0.50	<0.2	22.6	217	0.011	3.9	80
90 (9466096)		<1	6.30	<5	21	53.3	<5	0.7	0.78	<0.2	29.8	26.3	0.015	2.8	317
91 (9466097)		2	6.95	<5	<20	19.8	<5	1.4	3.87	<0.2	25.2	37.8	0.014	0.3	129
92 (9466098)		<1	8.21	<5	25	368	<5	1.0	0.60	<0.2	16.7	199	0.013	18.7	143
93 (9466099)		<1	3.43	<5	28	80.3	<5	0.2	0.55	<0.2	12.2	10.7	0.032	0.6	10
94 (9466100)		<1	10.5	<5	28	888	<5	0.3	0.57	<0.2	46.9	28.2	0.027	6.0	12
95 (9466101)		<1	11.4	6	40	1360	<5	0.7	0.40	<0.2	20.5	75.9	0.042	4.7	10
96 (9466102)		<1	10.9	5	23	441	<5	0.6	2.09	<0.2	50.0	74.3	0.035	3.7	14
97 (9466103)		<1	10.4	5	26	631	<5	0.4	1.42	<0.2	17.0	30.0	0.029	3.9	12
98 (9466104)		<1	6.02	10	<20	20.6	<5	0.5	0.11	<0.2	4.8	4.4	0.029	0.1	8
99 (9466105)		<1	6.68	48	<20	83.8	<5	2.4	0.20	<0.2	25.2	7.8	0.025	0.2	10
100 (9466106)		<1	7.89	<5	<20	1520	15	1.5	4.78	0.3	43.9	28.2	0.020	21.2	127
101 (9466107)		<1	6.09	<5	<20	107	<5	0.8	3.79	0.2	12.6	17.6	0.030	1.9	80

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T372718  
PROJECT: CREELMAN GOLD CORP

5623 McADAM ROAD  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 12, 2018

DATE RECEIVED: Aug 10, 2018

DATE REPORTED: Sep 19, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
78 (9466084)		2.31	1.40	0.93	4.90	21.9	2.87	1	3	0.44	<0.2	2.67	20.4	214	0.20
79 (9466085)		2.59	1.48	1.20	4.97	21.4	4.04	1	3	0.51	<0.2	2.49	31.2	67	0.22
80 (9466086)		1.95	1.00	0.73	2.24	9.03	2.49	1	2	0.38	<0.2	0.52	16.8	18	0.17
81 (9466087)		0.71	0.45	0.42	1.95	11.4	0.98	<1	2	0.15	<0.2	0.71	6.3	17	0.09
82 (9466088)		2.66	1.61	0.92	4.56	18.8	3.52	1	4	0.54	<0.2	2.55	24.8	27	0.25
83 (9466089)		3.10	1.82	1.21	7.24	18.1	4.15	2	5	0.58	<0.2	0.71	29.7	21	0.26
84 (9466090)		2.49	1.54	0.84	6.57	17.3	2.68	5	2	0.53	<0.2	5.62	9.4	116	0.19
85 (9466091)		0.30	0.21	0.18	1.10	1.56	0.28	<1	<1	0.06	<0.2	0.22	0.9	<10	<0.05
86 (9466092)		0.51	0.28	2.14	0.72	7.64	0.86	1	1	0.10	<0.2	0.72	13.3	15	0.05
87 (9466093)		4.87	2.83	1.46	10.2	20.6	5.49	3	3	1.01	<0.2	1.06	20.1	27	0.42
88 (9466094)		3.38	2.11	0.64	13.6	22.0	3.21	2	3	0.72	<0.2	1.47	12.3	74	0.30
89 (9466095)		3.70	2.37	0.68	13.4	25.5	3.38	2	3	0.77	<0.2	1.36	11.5	76	0.36
90 (9466096)		1.70	1.09	0.64	3.70	10.6	2.20	1	6	0.37	<0.2	0.78	15.2	28	0.19
91 (9466097)		1.53	0.96	0.47	7.53	25.8	1.87	2	2	0.30	<0.2	0.30	13.2	18	0.15
92 (9466098)		2.14	1.66	0.59	15.0	33.3	2.06	2	3	0.51	<0.2	2.67	8.2	88	0.30
93 (9466099)		0.93	0.83	0.36	2.06	6.63	0.71	1	1	0.24	<0.2	0.58	6.0	20	0.11
94 (9466100)		2.42	1.57	1.04	5.88	29.2	3.04	1	7	0.52	<0.2	4.48	19.4	51	0.29
95 (9466101)		1.75	1.16	0.65	5.80	33.2	1.49	2	8	0.39	<0.2	5.22	10.9	37	0.29
96 (9466102)		2.37	1.81	0.81	8.38	18.4	2.93	1	6	0.54	<0.2	2.61	24.0	42	0.30
97 (9466103)		1.27	1.14	2.10	5.47	22.3	1.08	1	5	0.30	<0.2	3.17	10.1	37	0.23
98 (9466104)		0.34	0.24	0.07	2.03	11.8	0.34	<1	2	0.08	<0.2	0.30	2.5	<10	0.06
99 (9466105)		1.07	0.82	0.42	3.07	16.1	1.05	<1	7	0.25	<0.2	0.33	16.8	14	0.15
100 (9466106)		3.85	2.07	1.72	6.09	17.7	5.02	3	2	0.77	<0.2	2.09	21.0	105	0.33
101 (9466107)		1.64	1.07	0.64	3.96	12.8	1.86	1	1	0.36	<0.2	0.39	5.9	42	0.15

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T372718  
PROJECT: CREELMAN GOLD CORP

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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 12, 2018

DATE RECEIVED: Aug 10, 2018

DATE REPORTED: Sep 19, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %
78 (9466084)		2.18	626	6	7	17.7	90	0.06	12	4.82	106	0.10	0.1	17	28.6
79 (9466085)		2.09	752	5	8	26.0	86	0.07	16	7.04	103	0.04	0.1	17	29.3
80 (9466086)		0.57	259	19	4	14.0	32	0.03	8	3.86	21.3	0.01	0.1	10	39.2
81 (9466087)		0.48	122	13	3	5.7	17	0.02	8	1.60	23.8	0.37	0.1	10	36.4
82 (9466088)		1.39	291	6	7	20.1	64	0.04	<5	5.56	143	<0.01	0.2	15	31.7
83 (9466089)		1.58	369	8	8	24.9	77	0.06	29	6.86	31.2	2.41	0.3	16	28.5
84 (9466090)		3.40	685	2	3	8.7	69	<0.01	12	2.25	77.2	<0.01	1.0	46	24.4
85 (9466091)		0.41	124	21	<1	0.9	18	0.04	<5	0.23	2.3	0.18	0.2	<5	43.4
86 (9466092)		0.27	83	14	<1	8.4	16	0.03	10	2.61	14.5	<0.01	0.3	<5	38.7
87 (9466093)		3.55	1500	6	11	22.0	70	0.07	9	5.34	62.1	0.28	0.5	40	23.4
88 (9466094)		5.63	923	3	10	10.6	69	0.06	<5	2.64	81.8	1.06	0.2	39	20.3
89 (9466095)		5.52	875	3	12	10.7	70	0.07	6	2.64	89.2	1.16	0.1	38	20.4
90 (9466096)		1.17	311	6	5	12.4	35	0.02	6	3.41	43.7	0.03	0.1	9	37.7
91 (9466097)		3.30	907	7	3	11.1	77	0.01	28	2.99	3.8	0.19	0.3	9	26.9
92 (9466098)		7.00	1200	<2	11	8.3	93	0.07	9	2.06	182	1.39	0.1	41	17.1
93 (9466099)		0.70	132	21	1	4.2	25	0.04	11	1.29	13.1	0.29	0.2	<5	40.6
94 (9466100)		2.01	247	6	11	17.6	77	0.06	9	4.96	199	1.51	<0.1	21	23.9
95 (9466101)		1.50	165	10	13	6.9	54	0.07	8	2.05	183	2.08	0.2	29	24.6
96 (9466102)		1.33	250	11	9	19.7	74	0.03	20	5.52	113	5.21	<0.1	21	26.2
97 (9466103)		1.35	192	9	9	5.9	55	0.05	16	1.73	132	2.29	<0.1	20	25.8
98 (9466104)		0.62	103	19	2	1.8	14	<0.01	<5	0.54	4.1	0.08	0.3	<5	37.9
99 (9466105)		0.93	128	35	6	8.1	25	0.03	6	2.44	9.4	0.39	0.2	7	34.6
100 (9466106)		3.31	1340	6	4	23.5	26	0.17	30	5.69	151	0.40	<0.1	26	23.7
101 (9466107)		1.21	609	16	2	7.0	15	0.02	33	1.63	20.5	0.25	<0.1	21	33.0

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 18T372718  
PROJECT: CREELMAN GOLD CORP

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 12, 2018

DATE RECEIVED: Aug 10, 2018

DATE REPORTED: Sep 19, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm 0.1	Sn ppm 1	Sr ppm 0.1	Ta ppm 0.5	Tb ppm 0.05	Th ppm 0.1	Ti % 0.01	Tl ppm 0.5	Tm ppm 0.05	U ppm 0.05	V ppm 5	W ppm 1	Y ppm 0.5	Yb ppm 0.1
78 (9466084)		3.1	<1	287	0.7	0.42	11.2	0.36	0.9	0.21	2.85	124	2	12.4	1.4
79 (9466085)		4.6	<1	391	0.6	0.54	11.1	0.39	0.9	0.24	3.32	128	1	14.2	1.5
80 (9466086)		2.6	<1	186	<0.5	0.37	5.6	0.17	<0.5	0.17	3.12	64	<1	10.3	1.1
81 (9466087)		1.1	<1	91.9	<0.5	0.14	4.7	0.16	<0.5	0.08	1.18	62	<1	3.8	0.5
82 (9466088)		3.6	<1	83.8	0.6	0.50	10.6	0.32	1.0	0.23	3.03	109	2	14.0	1.7
83 (9466089)		4.3	<1	345	0.7	0.61	11.8	0.39	<0.5	0.25	3.97	136	<1	15.4	1.8
84 (9466090)		2.2	<1	180	<0.5	0.43	0.9	0.59	<0.5	0.22	0.59	332	<1	13.4	1.4
85 (9466091)		0.2	<1	27.5	<0.5	<0.05	0.2	0.03	<0.5	<0.05	0.18	20	<1	1.7	0.2
86 (9466092)		1.1	<1	173	<0.5	0.11	2.5	0.04	<0.5	<0.05	0.55	12	<1	2.6	0.3
87 (9466093)		5.0	<1	281	0.7	0.87	3.5	0.84	<0.5	0.41	0.86	302	<1	26.5	2.6
88 (9466094)		2.6	24	59.5	0.6	0.55	3.0	0.83	0.7	0.31	1.41	240	<1	18.2	2.2
89 (9466095)		2.7	<1	57.1	0.7	0.61	3.4	0.82	0.8	0.35	1.69	235	<1	19.1	2.2
90 (9466096)		2.2	<1	112	<0.5	0.31	7.6	0.25	<0.5	0.20	2.22	50	<1	9.2	1.3
91 (9466097)		2.0	24	157	<0.5	0.28	4.0	0.13	<0.5	0.15	1.34	153	<1	9.6	1.0
92 (9466098)		1.9	1	31.4	0.6	0.35	3.0	0.84	1.8	0.23	2.04	323	<1	12.3	1.8
93 (9466099)		0.7	2	101	<0.5	0.13	4.9	0.07	<0.5	0.13	0.98	15	<1	6.6	0.8
94 (9466100)		3.2	3	93.0	1.1	0.44	17.3	0.51	1.3	0.26	4.12	166	3	12.0	1.8
95 (9466101)		1.4	4	86.4	1.0	0.28	22.1	0.61	0.9	0.21	4.86	200	5	8.4	1.6
96 (9466102)		3.5	1	297	1.0	0.42	16.6	0.51	0.8	0.28	4.69	87	1	13.5	2.1
97 (9466103)		1.0	1	194	0.9	0.19	15.1	0.44	0.9	0.20	3.71	110	2	7.9	1.5
98 (9466104)		0.3	5	47.0	<0.5	0.07	2.0	0.10	0.7	0.05	0.59	35	<1	1.6	0.3
99 (9466105)		1.3	3	77.5	0.6	0.18	6.1	0.26	0.6	0.14	1.57	66	<1	6.3	0.9
100 (9466106)		4.7	6	568	<0.5	0.71	2.1	0.51	1.6	0.32	0.61	182	1	20.0	2.0
101 (9466107)		1.5	44	201	<0.5	0.27	0.7	0.40	<0.5	0.16	0.23	155	<1	8.9	1.1

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T372718  
PROJECT: CREELMAN GOLD CORP

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 12, 2018	DATE RECEIVED: Aug 10, 2018	DATE REPORTED: Sep 19, 2018	SAMPLE TYPE: Rock
Analyte:	Zn	Zr	
Unit:	ppm	ppm	
RDL:	5	0.5	
Sample ID (AGAT ID)			
78 (9466084)	99	109	
79 (9466085)	95	128	
80 (9466086)	19	74.6	
81 (9466087)	17	84.6	
82 (9466088)	46	141	
83 (9466089)	43	180	
84 (9466090)	51	54.3	
85 (9466091)	10	2.8	
86 (9466092)	14	39.8	
87 (9466093)	109	126	
88 (9466094)	173	105	
89 (9466095)	174	125	
90 (9466096)	47	219	
91 (9466097)	93	64.2	
92 (9466098)	201	106	
93 (9466099)	39	38.5	
94 (9466100)	60	270	
95 (9466101)	37	302	
96 (9466102)	42	202	
97 (9466103)	40	175	
98 (9466104)	25	64.9	
99 (9466105)	35	293	
100 (9466106)	116	65.8	
101 (9466107)	95	40.7	

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T372718  
PROJECT: CREELMAN GOLD CORP

5623 McADAM ROAD  
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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

DATE SAMPLED: Aug 12, 2018      DATE RECEIVED: Aug 10, 2018      DATE REPORTED: Sep 19, 2018      SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Au ppm 0.001	Pd ppm 0.001	Pt ppm 0.005
78 (9466084)		0.002	0.001	<0.005
79 (9466085)		0.001	0.001	<0.005
80 (9466086)		0.003	<0.001	<0.005
81 (9466087)		0.001	<0.001	<0.005
82 (9466088)		0.001	0.002	<0.005
83 (9466089)		0.044	0.002	<0.005
84 (9466090)		<0.001	0.007	0.013
85 (9466091)		0.001	0.005	<0.005
86 (9466092)		<0.001	<0.001	<0.005
87 (9466093)		0.006	<0.001	<0.005
88 (9466094)		0.003	<0.001	<0.005
89 (9466095)		0.003	<0.001	<0.005
90 (9466096)		0.008	<0.001	<0.005
91 (9466097)		0.004	<0.001	<0.005
92 (9466098)		0.001	<0.001	<0.005
93 (9466099)		0.002	<0.001	<0.005
94 (9466100)		0.001	0.003	<0.005
95 (9466101)		0.003	0.005	<0.005
96 (9466102)		0.003	0.005	<0.005
97 (9466103)		0.003	0.003	<0.005
98 (9466104)		0.001	<0.001	<0.005
99 (9466105)		0.007	<0.001	<0.005
100 (9466106)		<0.001	<0.001	<0.005
101 (9466107)		<0.001	<0.001	<0.005

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2											
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	9466084	< 1	< 1	0.0%	9466093	< 1	< 1	0.0%								
Al	9466084	8.82	9.27	5.0%	9466093	7.52	7.35	2.3%								
As	9466084	< 5	< 5	0.0%	9466093	< 5	< 5	0.0%								
B	9466084	22	23	4.4%	9466093	< 20	< 20	0.0%								
Ba	9466084	942	951	1.0%	9466093	141	143	1.4%								
Be	9466084	< 5	< 5	0.0%	9466093	< 5	< 5	0.0%								
Bi	9466084	0.4	0.5	22.2%	9466093	1.3	1.3	0.0%								
Ca	9466084	1.18	1.19	0.8%	9466093	6.62	6.47	2.3%								
Cd	9466084	< 0.2	< 0.2	0.0%	9466093	< 0.2	< 0.2	0.0%								
Ce	9466084	42.8	40.0	6.8%	9466093	42.8	37.9	12.1%								
Co	9466084	21.3	23.8	11.1%	9466093	80.8	71.1	12.8%								
Cr	9466084	0.0243	0.0225	7.7%	9466093	0.016	0.016	0.0%								
Cs	9466084	4.2	4.4	4.7%	9466093	3.92	3.32	16.6%								
Cu	9466084	59	55	7.0%	9466093	158	153	3.2%								
Dy	9466084	2.31	2.28	1.3%	9466093	4.87	4.47	8.6%								
Er	9466084	1.40	1.36	2.9%	9466093	2.83	2.49	12.8%								
Eu	9466084	0.93	0.98	5.2%	9466093	1.46	1.32	10.1%								
Fe	9466084	4.90	5.24	6.7%	9466093	10.2	9.97	2.3%								
Ga	9466084	21.9	21.7	0.9%	9466093	20.6	17.7	15.1%								
Gd	9466084	2.87	2.68	6.8%	9466093	5.49	4.69	15.7%								
Ge	9466084	1	1	0.0%	9466093	3	2									
Hf	9466084	3	3	0.0%	9466093	3	3	0.0%								
Ho	9466084	0.44	0.46	4.4%	9466093	1.01	0.881	13.6%								
In	9466084	< 0.2	< 0.2	0.0%	9466093	< 0.2	< 0.2	0.0%								
K	9466084	2.67	2.88	7.6%	9466093	1.06	1.01	4.8%								
La	9466084	20.4	19.8	3.0%	9466093	20.1	17.4	14.4%								
Li	9466084	214	188	12.9%	9466093	27	32	16.9%								
Lu	9466084	0.20	0.21	4.9%	9466093	0.416	0.375	10.4%								
Mg	9466084	2.18	2.24	2.7%	9466093	3.55	3.68	3.6%								
Mn	9466084	626	643	2.7%	9466093	1500	1520	1.3%								
Mo	9466084	6	4		9466093	6	5	18.2%								



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

Nb	9466084	7	7	0.0%	9466093	11	9	20.0%								
Nd	9466084	17.7	16.6	6.4%	9466093	22.0	19.8	10.5%								
Ni	9466084	90	88	2.2%	9466093	70	66	5.9%								
P	9466084	0.06	0.06	0.0%	9466093	0.07	0.06	15.4%								
Pb	9466084	12	12	0.0%	9466093	9	11	20.0%								
Pr	9466084	4.82	4.54	6.0%	9466093	5.34	4.63	14.2%								
Rb	9466084	106	109	2.8%	9466093	62.1	52.3	17.1%								
S	9466084	0.10	0.14		9466093	0.28	0.29	3.5%								
Sb	9466084	0.1	< 0.1		9466093	0.50	0.43	15.1%								
Sc	9466084	17	17	0.0%	9466093	40	40	0.0%								
Si	9466084	28.6	29.7	3.8%	9466093	23.4	23.0	1.7%								
Sm	9466084	3.07	2.94	4.3%	9466093	4.97	4.24	15.9%								
Sn	9466084	< 1	< 1	0.0%	9466093	< 1	< 1	0.0%								
Sr	9466084	287	289	0.7%	9466093	281	284	1.1%								
Ta	9466084	0.7	0.7	0.0%	9466093	0.67	0.53	23.3%								
Tb	9466084	0.42	0.41	2.4%	9466093	0.870	0.751	14.7%								
Th	9466084	11.2	11.1	0.9%	9466093	3.5	3.1	12.1%								
Ti	9466084	0.36	0.38	5.4%	9466093	0.837	0.814	2.8%								
Tl	9466084	0.9	0.9	0.0%	9466093	< 0.5	< 0.5	0.0%								
Tm	9466084	0.21	0.21	0.0%	9466093	0.41	0.37	10.3%								
U	9466084	2.85	2.85	0.0%	9466093	0.86	0.74	15.0%								
V	9466084	124	126	1.6%	9466093	302	305	1.0%								
W	9466084	2	2	0.0%	9466093	< 1	< 1	0.0%								
Y	9466084	12.4	12.3	0.8%	9466093	26.5	22.4	16.8%								
Yb	9466084	1.4	1.4	0.0%	9466093	2.6	2.4	8.0%								
Zn	9466084	99	105	5.9%	9466093	109	102	6.6%								
Zr	9466084	109	109	0.0%	9466093	126	108	15.4%								

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

Parameter	REPLICATE #1				REPLICATE #2											
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Au	9466084	0.002	< 0.001		9466093	0.006	0.006	0.0%								
Pd	9466084	0.001	0.001	0.0%	9466093	< 0.001	< 0.001	0.0%								
Pt	9466084	< 0.005	< 0.005	0.0%	9466093	< 0.005	< 0.005	0.0%								



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.PG129)				CRM #2 (ref.Till-2)											
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Al					8.47	8.31	98%	90% - 110%								
As	25	27	109%	90% - 110%	26	26	100%	90% - 110%								
Ba					540	539	100%	90% - 110%								
Be					4.0	3.7	93%	90% - 110%								
Ca					0.907	0.918	101%	90% - 110%								
Ce					98	107	109%	90% - 110%								
Co	1202	1320	110%	90% - 110%	15	15	102%	90% - 110%								
Cu	15414	15673	102%	90% - 110%	150	166	111%	90% - 110%								
Er					3.7	4.1	110%	90% - 110%								
Fe					3.77	3.81	101%	90% - 110%								
Hf					11	11	96%	90% - 110%								
K					2.55	2.55	100%	90% - 110%								
La					44	48.0	109%	90% - 110%								
Li					47	51	109%	90% - 110%								
Lu					0.6	0.6	97%	90% - 110%								
Mg					1.1	1.1	104%	90% - 110%								
Mn					780	808	104%	90% - 110%								
Mo					14	15	107%	90% - 110%								
Nb					20	19	94%	90% - 110%								
Ni	23610	23749	101%	90% - 110%	32	35	111%	90% - 110%								
Pb	41	42	103%	90% - 110%	31	32	102%	90% - 110%								
Rb					144	147	102%	90% - 110%								
Sb					0.8	0.9	108%	90% - 110%								
Sc					12	12	104%	90% - 110%								
Si					28.4	28.7	101%	90% - 110%								
Sm					7.4	8.1	109%	90% - 110%								
Sr					144	152	105%	90% - 110%								
Ta					1.9	1.9	101%	90% - 110%								
Tb					1.2	1.3	107%	90% - 110%								
Th					18.4	19.8	108%	90% - 110%								
Ti					0.527	0.532	101%	90% - 110%								



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

U					5.7	6.1	107%	90% - 110%										
V					77	84	109%	90% - 110%										
W					5	5	99%	90% - 110%										
Y					40	37	93%	90% - 110%										
Zn	90	93	103%	90% - 110%	130	131	101%	90% - 110%										
Zr					390	390	100%	90% - 110%										

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

Parameter	CRM #1 (ref.PG129)				CRM #2 (ref.PG129)													
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits										
Au	1.1	1.1	101%	90% - 110%	1.1	1	93%	90% - 110%										
Pd	0.115	0.119	103%	90% - 110%	0.115	0.11	96%	90% - 110%										
Pt	0.239	0.245	103%	90% - 110%	0.239	0.223	93%	90% - 110%										



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T372718

PROJECT: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS





## Method Summary

CLIENT NAME: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T372718

PROJECT: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pd	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pt	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES



CLIENT NAME: CREELMAN GOLD CORP  
1886 PENAGE LAKE RD  
WHITEFISH, ON P0M 3E0  
705-207-8616

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

PROJECT:

AGAT WORK ORDER: 18T375488

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: Sep 13, 2018

PAGES (INCLUDING COVER): 11

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

\*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



## Certificate of Analysis

AGAT WORK ORDER: 18T375488

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 19, 2018

DATE RECEIVED: Aug 17, 2018

DATE REPORTED: Sep 13, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5
102 (9483620)		<1	4.77	<5	<20	114	<5	0.5	0.58	<0.2	15.3	34.5	0.030	0.7	8
103 (9483621)		<1	5.07	<5	<20	132	<5	0.4	0.59	<0.2	18.3	10.5	0.024	0.7	8
104 (9483622)		<1	7.61	<5	25	424	<5	0.5	1.15	<0.2	53.5	24.8	0.019	5.5	47
105 (9483623)		<1	6.34	<5	21	218	<5	0.5	1.23	<0.2	49.2	14.9	0.021	1.5	596
106 (9483624)		<1	6.38	<5	<20	34.9	<5	0.1	0.59	<0.2	3.2	37.1	0.017	0.4	22
107 (9483625)		<1	6.47	5	22	123	<5	1.0	0.88	<0.2	19.2	69.2	0.022	0.9	47
108 (9483626)		<1	6.48	<5	<20	143	<5	<0.1	0.78	<0.2	51.1	25.1	0.012	1.9	10
109 (9483627)		<1	6.67	<5	<20	383	<5	0.3	2.89	<0.2	39.3	12.7	0.016	3.6	67
110 (9483628)		<1	0.06	<5	<20	6.7	<5	<0.1	0.06	<0.2	2.4	<0.5	0.023	0.1	<5
111 (9483629)		1	6.54	<5	<20	498	<5	2.3	4.94	0.2	69.9	35.5	0.017	7.6	64
112 (9483630)		<1	7.15	<5	24	741	7	2.4	3.21	<0.2	40.5	22.4	0.024	7.7	32
113 (9483631)		1	7.12	<5	<20	1280	<5	6.5	6.65	0.7	51.5	38.8	0.012	9.6	268
114 (9483632)		<1	4.63	<5	22	189	<5	0.3	2.04	<0.2	20.6	17.3	0.026	0.8	10
115 (9483633)		<1	6.92	<5	<20	232	<5	1.3	4.77	<0.2	26.3	64.7	0.008	3.1	100

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
102 (9483620)		1.02	0.53	0.41	2.03	8.54	1.42	<1	2	0.20	<0.2	0.62	8.6	11	0.08
103 (9483621)		1.27	0.62	0.48	0.89	9.97	1.59	1	2	0.25	<0.2	0.63	11.0	<10	0.09
104 (9483622)		2.76	1.55	0.94	3.64	20.8	3.42	1	5	0.53	<0.2	1.97	24.9	36	0.25
105 (9483623)		2.22	1.34	0.81	4.47	21.9	3.04	2	4	0.45	<0.2	0.96	23.0	36	0.22
106 (9483624)		0.27	0.21	0.08	8.04	25.7	0.30	2	<1	0.07	<0.2	0.37	1.9	57	0.08
107 (9483625)		0.91	0.52	0.35	9.28	20.4	1.26	1	3	0.17	<0.2	0.78	9.7	35	0.11
108 (9483626)		4.54	2.60	1.15	5.15	19.0	4.74	<1	7	0.98	<0.2	0.58	23.6	79	0.45
109 (9483627)		3.26	1.98	1.27	4.39	19.6	3.51	1	6	0.72	<0.2	1.19	18.7	52	0.38
110 (9483628)		0.10	0.06	<0.05	0.21	0.11	0.15	<1	<1	<0.05	<0.2	0.06	1.2	<10	<0.05
111 (9483629)		4.35	1.92	2.11	7.25	20.3	6.46	2	4	0.78	<0.2	2.21	31.8	60	0.27
112 (9483630)		2.06	1.26	1.02	4.51	25.0	2.78	3	3	0.43	<0.2	2.24	20.7	58	0.30
113 (9483631)		8.56	4.74	2.26	12.1	21.4	8.70	2	5	1.67	<0.2	2.13	22.2	67	0.72
114 (9483632)		1.56	0.83	0.58	3.03	12.2	1.89	2	2	0.31	<0.2	0.93	9.8	19	0.13
115 (9483633)		9.38	5.48	2.26	8.26	26.3	7.75	3	5	1.88	<0.2	0.77	10.7	25	0.91

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T375488

PROJECT:

5623 McADAM ROAD  
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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 19, 2018

DATE RECEIVED: Aug 17, 2018

DATE REPORTED: Sep 13, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg % 0.01	Mn ppm 10	Mo ppm 2	Nb ppm 1	Nd ppm 0.1	Ni ppm 5	P % 0.01	Pb ppm 5	Pr ppm 0.05	Rb ppm 0.2	S % 0.01	Sb ppm 0.1	Sc ppm 5	Si % 0.01
102 (9483620)		0.14	77	19	2	8.0	18	0.02	11	2.32	11.8	1.26	0.4	<5	35.4
103 (9483621)		0.15	86	14	3	10.0	14	0.02	11	2.86	13.0	0.23	0.3	<5	36.1
104 (9483622)		1.57	525	6	8	23.1	55	0.06	9	6.54	78.8	0.05	0.2	12	28.4
105 (9483623)		2.11	409	9	7	21.3	73	0.04	8	5.83	39.8	0.07	0.3	12	29.0
106 (9483624)		4.55	789	11	2	1.5	158	0.03	<5	0.42	6.6	0.46	<0.1	6	26.0
107 (9483625)		2.53	441	10	3	8.5	121	0.01	8	2.38	23.6	3.55	0.2	6	24.8
108 (9483626)		3.99	854	7	6	24.1	23	0.02	<5	6.38	30.9	<0.01	<0.1	15	30.0
109 (9483627)		1.44	836	17	8	18.9	28	0.06	15	5.13	73.3	0.20	<0.1	10	28.9
110 (9483628)		0.02	22	14	<1	1.2	8	<0.01	5	0.29	0.9	<0.01	<0.1	<5	43.1
111 (9483629)		2.96	1670	5	26	39.1	77	0.19	31	9.77	127	0.31	0.7	18	25.1
112 (9483630)		2.01	1050	10	7	18.9	71	0.06	38	5.02	148	0.21	0.2	11	26.1
113 (9483631)		3.36	3150	4	10	31.6	56	0.16	65	7.46	95.7	0.12	0.6	42	20.4
114 (9483632)		1.64	900	14	3	10.0	48	0.05	12	2.53	38.2	0.15	0.3	7	34.1
115 (9483633)		2.25	1480	4	8	20.2	21	0.12	35	4.27	38.2	2.76	0.4	39	24.0

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm 0.1	Sn ppm 1	Sr ppm 0.1	Ta ppm 0.5	Tb ppm 0.05	Th ppm 0.1	Ti % 0.01	Tl ppm 0.5	Tm ppm 0.05	U ppm 0.05	V ppm 5	W ppm 1	Y ppm 0.5	Yb ppm 0.1
102 (9483620)		1.2	<1	117	<0.5	0.18	2.5	0.07	<0.5	0.09	0.76	14	2	5.9	0.5
103 (9483621)		1.6	<1	122	<0.5	0.21	3.0	0.08	<0.5	0.10	0.93	15	3	6.8	0.6
104 (9483622)		3.5	2	207	0.7	0.48	10.0	0.31	0.6	0.28	3.34	87	<1	15.7	1.6
105 (9483623)		3.1	2	169	0.5	0.41	7.5	0.27	<0.5	0.24	3.61	76	<1	12.1	1.4
106 (9483624)		0.2	<1	69.3	<0.5	<0.05	0.6	0.10	<0.5	0.05	0.22	65	<1	2.3	0.4
107 (9483625)		1.2	<1	153	<0.5	0.16	4.5	0.14	<0.5	0.09	1.31	65	<1	5.0	0.6
108 (9483626)		4.0	<1	40.9	<0.5	0.70	6.4	0.26	<0.5	0.46	1.73	102	<1	25.0	2.8
109 (9483627)		3.4	1	195	<0.5	0.53	5.8	0.30	0.6	0.35	1.35	67	<1	19.4	2.3
110 (9483628)		0.2	<1	5.3	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	<0.05	<5	<1	0.6	<0.1
111 (9483629)		6.2	2	537	1.6	0.82	4.1	1.21	1.3	0.29	1.84	191	2	21.1	1.7
112 (9483630)		3.0	4	594	<0.5	0.36	5.6	0.27	1.6	0.25	2.11	104	<1	12.6	1.8
113 (9483631)		6.8	2	415	0.6	1.26	4.1	1.33	1.4	0.79	1.55	389	1	47.7	4.7
114 (9483632)		1.7	1	231	<0.5	0.28	2.6	0.18	<0.5	0.13	1.05	70	<1	9.0	0.8
115 (9483633)		5.3	2	683	<0.5	1.28	1.2	1.08	<0.5	0.89	0.77	225	<1	52.8	5.8

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T375488

PROJECT:

5623 McADAM ROAD  
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 CANADA L4Z 1N9  
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 FAX (905)501-0589  
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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 19, 2018

DATE RECEIVED: Aug 17, 2018

DATE REPORTED: Sep 13, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
102 (9483620)		8	70.2
103 (9483621)		9	80.4
104 (9483622)		63	183
105 (9483623)		60	152
106 (9483624)		130	13.5
107 (9483625)		68	120
108 (9483626)		138	271
109 (9483627)		90	270
110 (9483628)		7	2.3
111 (9483629)		161	159
112 (9483630)		118	136
113 (9483631)		328	212
114 (9483632)		59	96.1
115 (9483633)		99	179

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T375488

PROJECT:

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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

DATE SAMPLED: Aug 19, 2018	DATE RECEIVED: Aug 17, 2018	DATE REPORTED: Sep 13, 2018	SAMPLE TYPE: Rock
Analyte:	Au	Pd	Pt
Unit:	ppm	ppm	ppm
RDL:	0.001	0.001	0.005
Sample ID (AGAT ID)			
102 (9483620)	0.002	<0.001	<0.005
103 (9483621)	<0.001	<0.001	<0.005
104 (9483622)	0.002	<0.001	<0.005
105 (9483623)	0.081	0.001	<0.005
106 (9483624)	0.005	<0.001	<0.005
107 (9483625)	0.006	0.002	<0.005
108 (9483626)	<0.001	<0.001	<0.005
109 (9483627)	0.011	<0.001	<0.005
110 (9483628)	<0.001	<0.001	<0.005
111 (9483629)	0.001	0.001	<0.005
112 (9483630)	0.002	<0.001	<0.005
113 (9483631)	0.011	<0.001	<0.005
114 (9483632)	0.003	<0.001	<0.005
115 (9483633)	0.001	0.002	<0.005

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2											
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	9483620	< 1	< 1	0.0%	9483630	< 1	< 1	0.0%								
Al	9483620	4.77	4.65	2.5%	9483630	7.15	7.64	6.6%								
As	9483620	< 5	< 5	0.0%	9483630	< 5	< 5	0.0%								
B	9483620	< 20	< 20	0.0%	9483630	24	25	4.1%								
Ba	9483620	114	112	1.8%	9483630	741	725	2.2%								
Be	9483620	< 5	< 5	0.0%	9483630	7	7	0.0%								
Bi	9483620	0.5	0.5	0.0%	9483630	2.4	2.5	4.1%								
Ca	9483620	0.58	0.57	1.7%	9483630	3.21	3.43	6.6%								
Cd	9483620	< 0.2	< 0.2	0.0%	9483630	< 0.2	< 0.2	0.0%								
Ce	9483620	15.3	16.4	6.9%	9483630	40.5	40.6	0.2%								
Co	9483620	34.5	35.7	3.4%	9483630	22.4	21.2	5.5%								
Cr	9483620	0.030	0.017		9483630	0.024	0.024	0.0%								
Cs	9483620	0.7	0.7	0.0%	9483630	7.7	7.6	1.3%								
Cu	9483620	8	8	0.0%	9483630	32	33	3.1%								
Dy	9483620	1.02	1.19	15.4%	9483630	2.06	2.06	0.0%								
Er	9483620	0.53	0.60	12.4%	9483630	1.26	1.38	9.1%								
Eu	9483620	0.406	0.369	9.5%	9483630	1.02	1.03	1.0%								
Fe	9483620	2.03	1.83	10.4%	9483630	4.51	4.84	7.1%								
Ga	9483620	8.54	9.35	9.1%	9483630	25.0	24.8	0.8%								
Gd	9483620	1.42	1.36	4.3%	9483630	2.78	2.92	4.9%								
Ge	9483620	< 1	< 1	0.0%	9483630	3	3	0.0%								
Hf	9483620	2	2	0.0%	9483630	3	3	0.0%								
Ho	9483620	0.201	0.231	13.9%	9483630	0.430	0.437	1.6%								
In	9483620	< 0.2	< 0.2	0.0%	9483630	< 0.2	< 0.2	0.0%								
K	9483620	0.615	0.573	7.1%	9483630	2.24	2.39	6.5%								
La	9483620	8.62	8.98	4.1%	9483630	20.7	20.2	2.4%								
Li	9483620	11	< 10		9483630	58	59	1.7%								
Lu	9483620	0.08	0.12		9483630	0.300	0.325	8.0%								
Mg	9483620	0.14	0.14	0.0%	9483630	2.01	2.09	3.9%								
Mn	9483620	77	74	4.0%	9483630	1050	1040	1.0%								
Mo	9483620	19	12	45.2%	9483630	10	10	0.0%								



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

Nb	9483620	2	2	0.0%	9483630	7	7	0.0%									
Nd	9483620	8.03	8.45	5.1%	9483630	18.9	18.9	0.0%									
Ni	9483620	18	19	5.4%	9483630	71	74	4.1%									
P	9483620	0.02	0.02	0.0%	9483630	0.06	0.06	0.0%									
Pb	9483620	11	11	0.0%	9483630	38	41	7.6%									
Pr	9483620	2.32	2.39	3.0%	9483630	5.02	5.10	1.6%									
Rb	9483620	11.8	12.0	1.7%	9483630	148	146	1.4%									
S	9483620	1.26	1.31	3.9%	9483630	0.211	0.194	8.4%									
Sb	9483620	0.37	0.32	14.5%	9483630	0.2	0.2	0.0%									
Sc	9483620	< 5	< 5	0.0%	9483630	11	10	9.5%									
Si	9483620	35.4	34.6	2.3%	9483630	26.1	28.2	7.7%									
Sm	9483620	1.24	1.30	4.7%	9483630	3.0	3.0	0.0%									
Sn	9483620	< 1	< 1	0.0%	9483630	4	6										
Sr	9483620	117	119	1.7%	9483630	594	568	4.5%									
Ta	9483620	< 0.5	< 0.5	0.0%	9483630	< 0.5	< 0.5	0.0%									
Tb	9483620	0.181	0.231	24.3%	9483630	0.359	0.375	4.4%									
Th	9483620	2.54	2.84	11.2%	9483630	5.6	5.8	3.5%									
Ti	9483620	0.07	0.07	0.0%	9483630	0.27	0.29	7.1%									
Tl	9483620	< 0.5	< 0.5	0.0%	9483630	1.6	1.6	0.0%									
Tm	9483620	0.09	0.12	28.6%	9483630	0.25	0.27	7.7%									
U	9483620	0.758	0.886	15.6%	9483630	2.11	2.18	3.3%									
V	9483620	14	14	0.0%	9483630	104	100	3.9%									
W	9483620	2	2	0.0%	9483630	< 1	< 1	0.0%									
Y	9483620	5.9	6.2	5.0%	9483630	12.6	12.6	0.0%									
Yb	9483620	0.5	0.6	18.2%	9483630	1.81	1.91	5.4%									
Zn	9483620	8	8	0.0%	9483630	118	124	5.0%									
Zr	9483620	70.2	82.8	16.5%	9483630	136	135	0.7%									

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

Parameter	REPLICATE #1				REPLICATE #2												
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD									
Au	9483620	0.002	0.002	0.0%	9483628	< 0.001	< 0.001	0.0%									
Pd	9483620	< 0.001	0.001		9483628	< 0.001	< 0.001	0.0%									
Pt	9483620	< 0.005	< 0.005	0.0%	9483628	< 0.005	< 0.005	0.0%									





CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)																	
	Expect	Actual	Recovery	Limits														
Al	10.95	10.41	95%	90% - 110%														
Ba	340	323	95%	90% - 110%														
Ca	5.72	5.6	98%	90% - 110%														
Ce	122	120	98%	90% - 110%														
Co	2.8	2.5	91%	90% - 110%														
Dy	18.2	19.9	109%	90% - 110%														
Er	14.2	14.0	98%	90% - 110%														
Eu	2.0	1.99	99%	90% - 110%														
Fe	4.34	4.12	95%	90% - 110%														
Ga	35	38.4	110%	90% - 110%														
Gd	14	15	109%	90% - 110%														
Hf	10.6	11.6	110%	90% - 110%														
Ho	4.3	4.7	109%	90% - 110%														
K	1.37	1.4	102%	90% - 110%														
La	58	57.2	99%	90% - 110%														
Li	37	40	109%	90% - 110%														
Lu	2.1	2.29	109%	90% - 110%														
Mg	0.325	0.301	93%	90% - 110%														
Mn	836	794	95%	90% - 110%														
Nb	13	14.2	109%	90% - 110%														
Nd	57	62	110%	90% - 110%														
Ni	9	9	95%	90% - 110%														
Pb	10	9	91%	90% - 110%														
Pr	15.0	16.4	109%	90% - 110%														
Rb	55	55	100%	90% - 110%														
Si	23.3	21.6	93%	90% - 110%														
Sm	12.7	11.5	91%	90% - 110%														
Sn	7.1	8	112%	90% - 110%														
Sr	1191	1122	94%	90% - 110%														
Ta	0.9	0.8	94%	90% - 110%														
Tb	2.6	2.7	102%	90% - 110%														



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

Th	1.4	1.3	92%	90% - 110%												
Ti	0.172	0.167	97%	90% - 110%												
Tm	2.3	2.5	110%	90% - 110%												
U	0.8	0.8	103%	90% - 110%												
Y	119	130	109%	90% - 110%												
Yb	14.8	16.1	108%	90% - 110%												
Zn	93	98	105%	90% - 110%												
Zr	517	591	114%	90% - 110%												

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

CRM #1 (REF.PG129)																
Parameter	Expect	Actual	Recovery	Limits												
Au	1.1	1.2	107%	90% - 110%												
Pd	0.115	0.126	110%	90% - 110%												
Pt	0.239	0.256	107%	90% - 110%												



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T375488

PROJECT:

ATTENTION TO: GUY EUGENE RICHARD; RYAN

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS
Ti	MIN-200-12001		ICP/OES



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T375488

PROJECT:

ATTENTION TO: GUY EUGENE RICHARD; RYAN

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pd	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pt	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES



CLIENT NAME: CREELMAN GOLD CORP  
1886 PENAGE LAKE RD  
WHITEFISH, ON P0M 3E0  
705-207-8616

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

PROJECT:

AGAT WORK ORDER: 18T379361

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: Sep 28, 2018

PAGES (INCLUDING COVER): 21

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

\*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



## Certificate of Analysis

AGAT WORK ORDER: 18T379361

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (200-) Sample Login Weight

DATE SAMPLED: Aug 28, 2018

DATE RECEIVED: Aug 29, 2018

DATE REPORTED: Sep 28, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
116 (9508215)		1.27
117 (9508216)		1.53
118 (9508217)		1.23
119 (9508218)		1.14
120 (9508219)		1.38
121 (9508220)		1.81
122 (9508221)		1.21
123 (9508222)		1.76
124 (9508223)		1.31
125 (9508224)		1.60
126 (9508225)		2.29
127 (9508226)		1.66
128 (9508227)		1.24
129 (9508228)		1.35
130 (9508229)		1.16
131 (9508230)		2.64
132 (9508231)		1.46
133 (9508232)		1.97
134 (9508233)		1.91
135 (9508234)		1.85
136 (9508235)		3.03
137 (9508236)		2.01
138 (9508237)		1.10
139 (9508238)		2.01
140 (9508239)		2.02
141 (9508240)		1.89
142 (9508241)		2.45
143 (9508242)		1.95
144 (9508243)		1.71
145 (9508244)		1.75
146 (9508245)		1.91

Certified By:



# Certificate of Analysis

AGAT WORK ORDER: 18T379361

PROJECT:

5623 McADAM ROAD  
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CANADA L4Z 1N9  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

## (200-) Sample Login Weight

DATE SAMPLED: Aug 28, 2018

DATE RECEIVED: Aug 29, 2018

DATE REPORTED: Sep 28, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
147 (9508246)		2.72
148 (9508247)		1.86
149 (9508248)		1.13
150 (9508249)		1.76
151 (9508250)		1.82

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T379361

PROJECT:

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CANADA L4Z 1N9  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 28, 2018

DATE RECEIVED: Aug 29, 2018

DATE REPORTED: Sep 28, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5
116 (9508215)		<1	8.40	<5	<20	515	<5	0.4	0.62	2.3	20.1	18.2	0.018	5.2	267
117 (9508216)		1	9.35	<5	<20	501	<5	0.2	0.59	1.7	23.6	16.4	0.019	4.1	221
118 (9508217)		<1	7.17	<5	<20	301	<5	0.4	4.89	1.8	41.3	40.8	0.023	6.6	254
119 (9508218)		<1	8.23	6	24	1400	<5	0.6	3.18	<0.2	20.4	145	0.013	4.7	58
120 (9508219)		<1	8.17	<5	29	1080	<5	0.5	3.14	<0.2	22.8	105	0.014	3.6	46
121 (9508220)		<1	7.76	7	28	729	<5	0.6	3.25	<0.2	18.4	127	0.010	2.5	47
122 (9508221)		<1	7.60	7	27	832	<5	0.6	2.82	<0.2	16.5	141	0.011	3.0	53
123 (9508222)		<1	7.61	<5	31	1240	<5	0.5	2.77	<0.2	21.6	108	0.011	4.3	55
124 (9508223)		<1	8.11	<5	28	1290	<5	0.5	3.27	<0.2	23.5	105	0.012	4.4	56
125 (9508224)		<1	7.62	5	21	380	<5	2.2	2.57	<0.2	125	101	0.051	12.7	55
126 (9508225)		<1	7.52	7	<20	355	<5	2.1	2.52	<0.2	129	84.9	0.049	11.5	44
127 (9508226)		<1	8.67	10	21	281	<5	3.1	3.99	<0.2	110	83.8	0.040	9.1	76
128 (9508227)		<1	7.68	<5	<20	926	<5	0.5	4.92	<0.2	23.7	63.9	0.010	16.2	271
129 (9508228)		<1	7.67	<5	<20	1040	<5	0.4	4.13	<0.2	20.9	69.9	0.010	18.1	228
130 (9508229)		<1	7.62	<5	24	1040	<5	0.4	4.27	<0.2	21.8	57.8	0.009	19.3	239
131 (9508230)		<1	7.26	<5	36	1010	<5	0.1	3.23	<0.2	40.2	18.3	0.027	2.8	17
132 (9508231)		<1	7.55	<5	29	424	<5	0.7	4.95	<0.2	20.8	37.1	0.023	2.2	17
133 (9508232)		<1	7.12	10	23	248	<5	2.4	0.76	<0.2	23.7	69.3	0.020	4.1	35
134 (9508233)		<1	7.08	<5	20	337	<5	1.3	1.31	<0.2	46.8	19.8	0.024	4.5	55
135 (9508234)		<1	8.61	5	26	180	<5	2.0	0.69	<0.2	24.4	52.8	0.017	2.3	166
136 (9508235)		<1	8.60	7	21	225	<5	2.0	0.61	<0.2	10.9	52.6	0.016	1.8	257
137 (9508236)		<1	9.93	6	24	102	<5	1.5	0.38	<0.2	8.8	60.0	0.011	1.6	99
138 (9508237)		<1	3.84	<5	23	233	<5	1.2	0.27	<0.2	7.3	25.6	0.024	2.0	35
139 (9508238)		<1	7.06	<5	21	622	<5	0.3	1.25	<0.2	42.7	12.9	0.021	3.0	76
140 (9508239)		<1	10.5	<5	29	1180	<5	0.5	1.29	<0.2	88.8	34.2	0.030	5.3	59
141 (9508240)		<1	10.3	28	<20	640	<5	0.7	0.95	<0.2	78.4	21.4	0.019	1.7	8
142 (9508241)		<1	9.64	<5	23	653	<5	0.9	5.61	<0.2	34.9	35.5	0.014	18.6	24
143 (9508242)		<1	6.27	<5	<20	58.6	<5	0.6	0.39	<0.2	24.3	13.4	0.018	1.4	54
144 (9508243)		<1	8.03	<5	25	164	<5	<0.1	0.18	<0.2	7.1	15.7	0.015	1.0	54
145 (9508244)		<1	5.54	<5	38	331	<5	0.2	0.18	<0.2	39.2	23.3	0.025	2.8	15
146 (9508245)		<1	6.26	<5	<20	108	<5	0.5	1.26	<0.2	18.5	31.6	0.018	2.4	373
147 (9508246)		<1	6.51	<5	21	97.1	<5	6.3	1.53	<0.2	24.1	61.4	0.022	4.1	254

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 18T379361

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 28, 2018

DATE RECEIVED: Aug 29, 2018

DATE REPORTED: Sep 28, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5
148 (9508247)		<1	4.37	8	22	54.3	<5	1.9	0.60	<0.2	10.8	176	0.021	0.5	60
149 (9508248)		<1	0.71	<5	<20	13.4	<5	0.1	<0.05	<0.2	0.9	3.8	0.031	0.3	37
150 (9508249)		<1	7.77	<5	31	27.3	<5	0.9	0.07	<0.2	1.5	26.4	0.012	0.3	158
151 (9508250)		<1	5.60	<5	23	23.7	<5	0.4	<0.05	<0.2	1.0	21.5	0.019	0.3	170

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T379361

PROJECT:

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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 28, 2018

DATE RECEIVED: Aug 29, 2018

DATE REPORTED: Sep 28, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
116 (9508215)		1.31	1.11	0.42	5.43	20.1	1.15	<1	4	0.34	<0.2	2.43	11.6	70	0.22
117 (9508216)		1.81	1.44	0.50	5.09	22.3	1.33	<1	4	0.44	<0.2	2.43	12.3	68	0.27
118 (9508217)		1.88	1.23	0.92	8.33	17.8	2.33	1	3	0.44	<0.2	1.71	20.7	61	0.21
119 (9508218)		5.05	3.23	1.74	11.7	26.0	3.92	2	3	1.13	<0.2	3.15	9.9	99	0.49
120 (9508219)		4.86	3.20	1.63	9.60	24.6	4.02	2	3	1.09	<0.2	2.32	11.0	84	0.51
121 (9508220)		5.05	3.42	1.70	11.1	24.4	4.28	2	3	1.19	<0.2	1.68	8.7	82	0.50
122 (9508221)		5.06	3.17	1.63	11.6	23.7	4.14	2	2	1.11	<0.2	1.98	7.3	94	0.50
123 (9508222)		4.31	2.80	1.62	10.5	25.3	3.67	2	2	1.04	<0.2	2.76	10.6	95	0.44
124 (9508223)		4.60	2.85	1.80	11.3	26.1	3.79	2	2	0.99	<0.2	2.92	11.9	96	0.45
125 (9508224)		5.05	2.39	3.19	9.46	21.9	8.84	2	4	0.97	<0.2	4.01	56.8	111	0.33
126 (9508225)		4.77	2.42	3.05	8.50	20.0	8.60	2	4	0.93	<0.2	3.82	58.6	108	0.32
127 (9508226)		6.11	3.74	3.69	8.62	25.5	8.33	2	4	1.34	<0.2	2.88	53.2	82	0.56
128 (9508227)		6.78	4.34	1.81	11.7	25.1	5.42	2	4	1.56	<0.2	4.36	10.4	99	0.72
129 (9508228)		6.88	4.47	1.69	11.2	24.1	5.25	2	3	1.52	<0.2	4.53	9.2	99	0.68
130 (9508229)		7.19	4.70	1.77	11.3	25.6	5.47	2	4	1.63	<0.2	4.61	9.2	108	0.75
131 (9508230)		2.46	1.26	1.14	4.34	17.8	3.29	1	3	0.48	<0.2	2.09	20.2	44	0.17
132 (9508231)		3.95	2.50	0.87	7.47	17.5	2.98	1	3	0.89	<0.2	1.07	13.0	29	0.39
133 (9508232)		1.24	0.90	0.45	9.44	21.1	1.38	1	2	0.30	<0.2	1.42	10.4	80	0.19
134 (9508233)		2.12	1.16	0.86	5.08	18.2	2.73	1	3	0.43	<0.2	1.37	24.0	54	0.18
135 (9508234)		1.10	0.73	0.45	12.7	28.3	1.50	1	2	0.24	<0.2	0.83	12.1	108	0.14
136 (9508235)		0.68	0.55	0.23	12.4	27.9	0.64	1	2	0.17	<0.2	0.87	5.1	103	0.10
137 (9508236)		0.47	0.35	0.15	15.8	36.4	0.47	1	<1	0.11	<0.2	0.53	4.2	141	0.07
138 (9508237)		0.49	0.29	0.16	5.00	12.8	0.47	<1	<1	0.11	<0.2	0.75	3.4	44	0.06
139 (9508238)		1.92	1.15	0.86	3.31	16.1	2.65	1	5	0.41	<0.2	2.16	19.7	33	0.19
140 (9508239)		3.85	2.20	1.65	7.46	32.4	5.33	1	6	0.79	<0.2	2.73	42.6	69	0.37
141 (9508240)		2.22	1.25	1.16	3.64	20.9	3.73	1	8	0.45	<0.2	1.91	37.0	33	0.19
142 (9508241)		4.16	2.58	1.72	11.7	29.3	4.04	3	3	0.89	<0.2	4.83	15.9	115	0.41
143 (9508242)		0.91	0.64	0.39	2.51	8.74	1.18	1	3	0.20	<0.2	0.56	12.5	11	0.13
144 (9508243)		0.82	0.61	0.17	5.68	16.6	0.58	1	3	0.19	<0.2	0.88	3.0	32	0.12
145 (9508244)		2.08	1.25	0.74	5.17	17.3	2.29	1	4	0.46	<0.2	1.71	18.6	34	0.17
146 (9508245)		1.09	0.74	0.34	2.63	11.8	1.12	1	4	0.26	<0.2	0.80	8.7	18	0.14
147 (9508246)		2.04	1.48	0.57	4.02	14.4	1.70	1	4	0.51	<0.2	1.02	12.3	17	0.25

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T379361

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 28, 2018

DATE RECEIVED: Aug 29, 2018

DATE REPORTED: Sep 28, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
148 (9508247)		0.57	0.44	0.19	6.58	11.8	0.68	1	2	0.14	<0.2	0.44	5.6	26	0.09
149 (9508248)		0.13	0.10	<0.05	1.55	2.51	0.09	<1	<1	<0.05	<0.2	0.11	0.6	<10	<0.05
150 (9508249)		0.09	0.05	<0.05	13.2	27.2	0.11	1	<1	<0.05	<0.2	0.20	0.9	73	<0.05
151 (9508250)		0.10	0.05	<0.05	9.51	20.0	0.07	1	<1	<0.05	<0.2	0.22	0.6	48	<0.05

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T379361

PROJECT:

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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 28, 2018

DATE RECEIVED: Aug 29, 2018

DATE REPORTED: Sep 28, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %
116 (9508215)		1.02	2470	62	5	7.6	35	0.04	5060	1.92	388	0.77	0.1	12	31.2
117 (9508216)		0.84	2220	60	5	9.3	30	0.03	4120	2.36	328	1.26	<0.1	12	30.0
118 (9508217)		1.44	5690	31	5	17.2	71	0.05	1110	4.21	526	1.07	0.1	11	28.6
119 (9508218)		4.76	1590	4	4	13.3	75	0.06	21	2.51	125	3.96	0.4	58	24.6
120 (9508219)		4.11	1420	4	4	14.1	83	0.05	17	2.77	95.1	2.95	0.3	50	24.2
121 (9508220)		4.44	1600	3	4	12.6	60	0.03	13	2.37	62.9	3.87	0.5	53	23.9
122 (9508221)		4.98	1570	4	3	11.9	62	0.05	11	2.14	74.2	4.26	0.4	53	23.1
123 (9508222)		4.40	1420	3	4	13.3	78	0.05	13	2.64	113	3.37	0.3	51	23.7
124 (9508223)		4.48	1530	4	4	14.0	78	0.05	24	2.76	115	3.42	0.5	54	24.3
125 (9508224)		4.24	1900	26	8	67.0	138	0.36	17	14.6	240	2.53	0.2	25	24.9
126 (9508225)		3.91	1800	19	8	67.2	129	0.34	14	14.8	221	1.67	0.2	25	26.5
127 (9508226)		3.07	1640	12	6	58.5	115	0.29	18	12.6	170	2.59	0.2	37	24.3
128 (9508227)		4.09	1490	4	5	16.5	40	0.09	19	3.06	217	1.67	0.4	42	24.1
129 (9508228)		4.26	1500	4	6	14.9	41	0.08	17	2.74	224	1.41	0.3	44	25.1
130 (9508229)		4.36	1550	4	6	16.2	38	0.09	18	2.91	234	1.38	0.3	40	23.6
131 (9508230)		3.49	1000	6	5	18.7	92	0.05	19	4.40	79.0	<0.01	0.1	12	29.0
132 (9508231)		2.90	1140	5	6	10.4	68	0.04	21	2.20	37.4	1.77	0.2	27	29.5
133 (9508232)		3.54	1340	6	5	9.6	142	0.03	8	2.30	64.5	3.07	0.2	8	29.9
134 (9508233)		2.08	872	7	6	20.5	71	0.04	13	5.08	68.7	0.50	0.2	11	32.8
135 (9508234)		5.75	2310	5	3	10.8	180	0.04	7	2.51	35.1	1.89	0.1	7	25.7
136 (9508235)		5.77	2270	4	3	4.5	190	0.04	7	1.08	35.8	2.33	0.2	6	23.8
137 (9508236)		7.75	3200	3	2	3.4	237	<0.01	<5	0.86	22.8	2.39	<0.1	6	19.2
138 (9508237)		2.14	840	12	2	3.0	70	0.03	6	0.73	32.3	0.74	0.2	<5	38.4
139 (9508238)		1.25	522	6	5	19.1	52	0.05	8	4.55	97.3	0.08	0.3	9	34.0
140 (9508239)		3.08	1380	5	12	38.8	91	0.06	13	9.38	104	0.43	0.2	21	25.9
141 (9508240)		1.11	358	5	8	32.0	46	0.02	18	7.93	61.2	0.45	1.4	13	28.7
142 (9508241)		3.98	2150	2	11	18.7	66	0.06	15	4.05	270	0.05	0.9	44	22.6
143 (9508242)		0.90	232	6	4	10.0	35	<0.01	<5	2.54	28.6	0.04	0.1	<5	38.3
144 (9508243)		2.89	545	4	4	3.0	84	0.02	<5	0.68	30.6	<0.01	0.1	7	32.0
145 (9508244)		2.39	409	9	5	15.5	65	0.04	<5	3.80	69.8	<0.01	0.2	9	37.8
146 (9508245)		1.00	343	4	5	7.6	34	0.01	<5	1.90	40.3	0.04	0.2	6	36.2
147 (9508246)		1.57	535	6	5	10.7	57	0.03	<5	2.56	59.2	0.24	0.2	10	35.4

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T379361

PROJECT:

5623 McADAM ROAD  
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 CANADA L4Z 1N9  
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 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 28, 2018	DATE RECEIVED: Aug 29, 2018					DATE REPORTED: Sep 28, 2018					SAMPLE TYPE: Rock				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
Sample ID (AGAT ID)	RDL:														
148 (9508247)	1.92	352	8	2	4.7	99	<0.01	<5	1.15	14.0	2.68	0.2	<5	35.4	
149 (9508248)	0.45	110	15	1	0.4	30	0.02	<5	0.10	3.0	<0.01	0.1	<5	47.4	
150 (9508249)	7.63	1200	5	<1	0.6	232	<0.01	<5	0.17	4.4	0.12	<0.1	<5	24.1	
151 (9508250)	5.50	910	9	<1	0.4	172	<0.01	<5	0.10	3.5	0.11	<0.1	<5	30.1	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T379361

PROJECT:

5623 McADAM ROAD  
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TEL (905)501-9998  
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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 28, 2018

DATE RECEIVED: Aug 29, 2018

DATE REPORTED: Sep 28, 2018

SAMPLE TYPE: Rock

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
116 (9508215)	1.2	6	73.4	<0.5	0.20	5.0	0.40	4.9	0.19	2.25	109	1	15.4	1.3
117 (9508216)	1.6	7	76.8	<0.5	0.24	4.9	0.41	5.0	0.25	1.98	108	<1	20.8	1.6
118 (9508217)	2.7	9	184	<0.5	0.37	4.3	0.32	4.9	0.20	1.37	90	<1	15.7	1.3
119 (9508218)	3.6	11	527	<0.5	0.73	0.7	0.97	1.2	0.50	0.68	390	<1	29.8	3.2
120 (9508219)	3.5	6	569	<0.5	0.70	1.5	0.85	0.9	0.51	0.76	336	<1	29.6	3.3
121 (9508220)	3.7	<1	599	<0.5	0.78	0.5	0.89	0.6	0.51	0.62	327	<1	30.7	3.4
122 (9508221)	3.4	10	484	<0.5	0.73	0.4	0.89	0.7	0.50	0.57	317	<1	29.6	3.2
123 (9508222)	3.3	6	451	<0.5	0.66	0.5	0.87	1.0	0.44	0.64	342	<1	25.1	3.1
124 (9508223)	3.5	3	527	<0.5	0.67	0.5	0.93	1.0	0.43	0.63	366	<1	26.2	3.0
125 (9508224)	11.7	<1	270	0.5	1.10	10.9	0.57	2.0	0.35	2.73	174	<1	26.5	2.3
126 (9508225)	11.4	3	243	0.6	1.13	11.2	0.58	1.8	0.31	2.61	156	<1	25.6	2.1
127 (9508226)	10.2	<1	411	<0.5	1.15	9.0	0.45	1.4	0.55	3.30	179	2	39.2	3.8
128 (9508227)	4.6	5	778	<0.5	0.97	1.1	1.24	2.3	0.68	0.39	402	1	40.9	4.6
129 (9508228)	4.5	<1	597	<0.5	0.98	0.8	1.23	2.5	0.68	0.40	361	<1	40.2	4.6
130 (9508229)	4.8	<1	658	<0.5	1.06	1.1	1.19	2.6	0.74	0.42	385	<1	41.1	4.9
131 (9508230)	3.7	<1	305	<0.5	0.47	5.8	0.37	0.8	0.17	1.41	100	<1	14.0	1.2
132 (9508231)	2.6	<1	328	<0.5	0.56	2.8	0.58	<0.5	0.38	1.40	161	<1	23.5	2.5
133 (9508232)	1.6	<1	231	<0.5	0.21	5.0	0.19	0.7	0.15	2.06	83	<1	8.3	1.1
134 (9508233)	3.4	<1	376	0.5	0.42	8.5	0.24	0.6	0.17	2.95	74	<1	12.0	1.2
135 (9508234)	1.8	<1	191	<0.5	0.22	4.8	0.15	<0.5	0.13	1.68	93	<1	6.9	0.8
136 (9508235)	0.7	<1	209	<0.5	0.11	4.5	0.15	<0.5	0.09	1.38	86	<1	4.8	0.7
137 (9508236)	0.6	<1	127	<0.5	0.08	2.6	0.10	<0.5	0.06	0.85	98	<1	3.1	0.4
138 (9508237)	0.5	<1	74.4	<0.5	0.08	2.8	0.09	<0.5	0.05	0.77	40	<1	2.8	0.3
139 (9508238)	3.2	<1	393	<0.5	0.38	7.0	0.24	1.0	0.18	2.78	72	<1	11.1	1.2
140 (9508239)	6.6	<1	364	1.2	0.73	18.9	0.57	0.7	0.34	6.23	154	2	21.1	2.5
141 (9508240)	4.8	<1	200	1.0	0.48	11.3	0.39	1.7	0.20	2.33	72	<1	11.9	1.3
142 (9508241)	4.0	<1	647	0.7	0.68	2.9	0.90	3.1	0.41	1.52	283	<1	24.3	2.6
143 (9508242)	1.6	<1	73.9	<0.5	0.17	6.2	0.19	<0.5	0.11	1.11	29	<1	5.9	0.8
144 (9508243)	0.6	<1	44.6	<0.5	0.11	5.2	0.19	<0.5	0.11	1.39	54	<1	5.6	0.7
145 (9508244)	2.7	<1	28.5	<0.5	0.34	6.6	0.23	<0.5	0.20	1.54	69	<1	12.0	1.3
146 (9508245)	1.2	<1	161	<0.5	0.18	6.8	0.19	<0.5	0.12	1.42	39	<1	7.3	0.9
147 (9508246)	1.9	<1	196	<0.5	0.32	7.7	0.24	<0.5	0.24	1.91	54	<1	13.4	1.6

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T379361

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 28, 2018	DATE RECEIVED: Aug 29, 2018					DATE REPORTED: Sep 28, 2018					SAMPLE TYPE: Rock				
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Sample ID (AGAT ID)	RDL:														
148 (9508247)	0.8	<1	89.2	<0.5	0.11	2.8	0.11	<0.5	0.07	2.16	40	<1	3.4	0.6	
149 (9508248)	<0.1	<1	8.5	<0.5	<0.05	0.8	0.03	<0.5	<0.05	0.27	13	<1	0.8	0.1	
150 (9508249)	0.1	<1	17.6	<0.5	<0.05	0.6	0.04	<0.5	<0.05	0.20	74	<1	0.5	<0.1	
151 (9508250)	<0.1	<1	12.9	<0.5	<0.05	0.5	0.03	<0.5	<0.05	0.15	51	<1	0.5	<0.1	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T379361

PROJECT:

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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 28, 2018

DATE RECEIVED: Aug 29, 2018

DATE REPORTED: Sep 28, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
116 (9508215)		648	164
117 (9508216)		472	172
118 (9508217)		500	134
119 (9508218)		166	86.8
120 (9508219)		141	99.8
121 (9508220)		146	86.0
122 (9508221)		152	77.2
123 (9508222)		137	81.9
124 (9508223)		139	82.6
125 (9508224)		174	191
126 (9508225)		167	192
127 (9508226)		128	159
128 (9508227)		166	128
129 (9508228)		177	116
130 (9508229)		179	139
131 (9508230)		109	125
132 (9508231)		93	96.3
133 (9508232)		132	76.7
134 (9508233)		84	95.4
135 (9508234)		224	51.7
136 (9508235)		213	58.0
137 (9508236)		304	31.7
138 (9508237)		77	30.7
139 (9508238)		60	188
140 (9508239)		129	223
141 (9508240)		45	282
142 (9508241)		167	108
143 (9508242)		29	126
144 (9508243)		89	118
145 (9508244)		73	134
146 (9508245)		34	164
147 (9508246)		55	156

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 18T379361

PROJECT:

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 CANADA L4Z 1N9  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 28, 2018

DATE RECEIVED: Aug 29, 2018

DATE REPORTED: Sep 28, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
148 (9508247)		47	59.5
149 (9508248)		12	13.9
150 (9508249)		188	8.6
151 (9508250)		129	9.2

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T379361

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

DATE SAMPLED: Aug 28, 2018

DATE RECEIVED: Aug 29, 2018

DATE REPORTED: Sep 28, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Au	Pd	Pt
	Unit: RDL:	ppm 0.001	ppm 0.001	ppm 0.005
116 (9508215)		<0.001	<0.001	<0.005
117 (9508216)		0.002	<0.001	<0.005
118 (9508217)		0.001	<0.001	<0.005
119 (9508218)		0.005	0.002	<0.005
120 (9508219)		<0.001	<0.001	<0.005
121 (9508220)		0.009	<0.001	<0.005
122 (9508221)		0.001	<0.001	<0.005
123 (9508222)		0.003	<0.001	<0.005
124 (9508223)		0.001	<0.001	<0.005
125 (9508224)		0.005	0.003	<0.005
126 (9508225)		0.002	0.003	<0.005
127 (9508226)		0.004	0.004	<0.005
128 (9508227)		0.002	0.002	<0.005
129 (9508228)		0.001	0.002	<0.005
130 (9508229)		0.002	0.002	<0.005
131 (9508230)		<0.001	<0.001	<0.005
132 (9508231)		0.009	0.001	<0.005
133 (9508232)		0.010	0.002	<0.005
134 (9508233)		0.003	0.001	<0.005
135 (9508234)		0.002	<0.001	<0.005
136 (9508235)		0.008	0.001	<0.005
137 (9508236)		0.004	<0.001	<0.005
138 (9508237)		<0.001	<0.001	<0.005
139 (9508238)		0.001	<0.001	<0.005
140 (9508239)		<0.001	<0.001	<0.005
141 (9508240)		0.005	0.002	<0.005
142 (9508241)		<0.001	<0.001	<0.005
143 (9508242)		<0.001	<0.001	<0.005
144 (9508243)		<0.001	<0.001	<0.005
145 (9508244)		<0.001	<0.001	<0.005
146 (9508245)		0.012	<0.001	<0.005
147 (9508246)		0.078	0.001	<0.005

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T379361

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

DATE SAMPLED: Aug 28, 2018

DATE RECEIVED: Aug 29, 2018

DATE REPORTED: Sep 28, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Au	Pd	Pt
	Unit:	ppm	ppm	ppm
	RDL:	0.001	0.001	0.005
148 (9508247)		0.007	0.002	<0.005
149 (9508248)		0.004	<0.001	<0.005
150 (9508249)		0.025	0.001	<0.005
151 (9508250)		0.043	<0.001	<0.005

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

## (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9508215	< 1	< 1	0.0%	9508225	< 1	< 1	0.0%	9508240	< 1	< 1	0.0%	9508250	< 1	< 1	0.0%
Al	9508215	8.40	8.24	1.9%	9508225	7.52	7.56	0.5%	9508240	10.3	10.4	1.0%	9508250	5.60	5.65	0.9%
As	9508215	< 5	< 5	0.0%	9508225	7	8	13.3%	9508240	28	24	15.4%	9508250	< 5	< 5	0.0%
B	9508215	< 20	< 20	0.0%	9508225	18	21	15.4%	9508240	19	23	19.0%	9508250	23	23	0.0%
Ba	9508215	515	522	1.4%	9508225	355	370	4.1%	9508240	640	629	1.7%	9508250	23.7	22.3	6.1%
Be	9508215	< 5	< 5	0.0%	9508225	< 5	< 5	0.0%	9508240	< 5	< 5	0.0%	9508250	< 5	< 5	0.0%
Bi	9508215	0.4	0.4	0.0%	9508225	2.1	2.1	0.0%	9508240	0.71	0.65	8.8%	9508250	0.4	0.4	0.0%
Ca	9508215	0.618	0.581	6.2%	9508225	2.52	2.52	0.0%	9508240	0.95	0.97	2.1%	9508250	< 0.05	< 0.05	0.0%
Cd	9508215	2.3	2.1	9.1%	9508225	< 0.2	< 0.2	0.0%	9508240	< 0.2	< 0.2	0.0%	9508250	< 0.2	< 0.2	0.0%
Ce	9508215	20.1	18.8	6.7%	9508225	129	131	1.5%	9508240	78.4	80.2	2.3%	9508250	1.0	1.0	0.0%
Co	9508215	18.2	15.8	14.1%	9508225	84.9	84.9	0.0%	9508240	21.4	18.9	12.4%	9508250	21.5	20.6	4.3%
Cr	9508215	0.0183	0.0211	14.2%	9508225	0.049	0.051	4.0%	9508240	0.019	0.019	0.0%	9508250	0.019	0.019	0.0%
Cs	9508215	5.23	5.13	1.9%	9508225	11.5	11.7	1.7%	9508240	1.73	1.83	5.6%	9508250	0.3	0.3	0.0%
Cu	9508215	267	258	3.4%	9508225	44	49	10.8%	9508240	8	8	0.0%	9508250	170	168	1.2%
Dy	9508215	1.31	1.30	0.8%	9508225	4.77	4.95	3.7%	9508240	2.22	2.21	0.5%	9508250	0.10	0.10	0.0%
Er	9508215	1.11	1.05	5.6%	9508225	2.42	2.37	2.1%	9508240	1.25	1.23	1.6%	9508250	0.053	0.067	23.3%
Eu	9508215	0.424	0.434	2.3%	9508225	3.05	3.17	3.9%	9508240	1.16	1.09	6.2%	9508250	< 0.05	< 0.05	0.0%
Fe	9508215	5.43	5.28	2.8%	9508225	8.50	8.55	0.6%	9508240	3.64	3.50	3.9%	9508250	9.51	9.46	0.5%
Ga	9508215	20.1	20.4	1.5%	9508225	20.0	20.3	1.5%	9508240	20.9	21.3	1.9%	9508250	20.0	18.5	7.8%
Gd	9508215	1.15	1.04	10.0%	9508225	8.60	8.88	3.2%	9508240	3.73	3.67	1.6%	9508250	0.07	0.07	0.0%
Ge	9508215	< 1	< 1	0.0%	9508225	2	2	0.0%	9508240	1	1	0.0%	9508250	1	1	0.0%
Hf	9508215	4	4	0.0%	9508225	4	4	0.0%	9508240	8	8	0.0%	9508250	< 1	< 1	0.0%
Ho	9508215	0.34	0.34	0.0%	9508225	0.931	0.946	1.6%	9508240	0.45	0.45	0.0%	9508250	< 0.05	< 0.05	0.0%
In	9508215	< 0.2	< 0.2	0.0%	9508225	< 0.2	< 0.2	0.0%	9508240	< 0.2	< 0.2	0.0%	9508250	< 0.2	< 0.2	0.0%
K	9508215	2.43	2.46	1.2%	9508225	3.82	3.84	0.5%	9508240	1.91	1.88	1.6%	9508250	0.22	0.21	4.7%
La	9508215	11.6	10.9	6.2%	9508225	58.6	60.1	2.5%	9508240	37.0	38.1	2.9%	9508250	0.6	0.6	0.0%
Li	9508215	70	72	2.8%	9508225	108	109	0.9%	9508240	33	30	9.5%	9508250	48	54	11.8%
Lu	9508215	0.22	0.23	4.4%	9508225	0.322	0.331	2.8%	9508240	0.194	0.202	4.0%	9508250	< 0.05	< 0.05	0.0%
Mg	9508215	1.02	0.955	6.6%	9508225	3.91	4.01	2.5%	9508240	1.11	1.09	1.8%	9508250	5.50	5.63	2.3%
Mn	9508215	2470	2560	3.6%	9508225	1800	1840	2.2%	9508240	358	354	1.1%	9508250	910	904	0.7%
Mo	9508215	62	61	1.6%	9508225	19	19	0.0%	9508240	5	5	0.0%	9508250	9	8	11.8%



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

Nb	9508215	5	5	0.0%	9508225	8	8	0.0%	9508240	8	7	13.3%	9508250	< 1	< 1	0.0%
Nd	9508215	7.6	7.2	5.4%	9508225	67.2	69.8	3.8%	9508240	32.0	33.0	3.1%	9508250	0.4	0.4	0.0%
Ni	9508215	35	32	9.0%	9508225	129	131	1.5%	9508240	46	50	8.3%	9508250	172	178	3.4%
P	9508215	0.045	0.050	10.5%	9508225	0.34	0.34	0.0%	9508240	0.02	< 0.01		9508250	< 0.01	< 0.01	0.0%
Pb	9508215	5060	4490	11.9%	9508225	14	14	0.0%	9508240	18	18	0.0%	9508250	< 5	< 5	0.0%
Pr	9508215	1.92	1.81	5.9%	9508225	14.8	15.0	1.3%	9508240	7.93	8.07	1.8%	9508250	0.10	0.10	0.0%
Rb	9508215	388	392	1.0%	9508225	221	224	1.3%	9508240	61.2	62.5	2.1%	9508250	3.5	3.3	5.9%
S	9508215	0.772	0.692	10.9%	9508225	1.67	1.70	1.8%	9508240	0.45	0.31		9508250	0.112	0.120	6.9%
Sb	9508215	0.1	< 0.1		9508225	0.2	0.2	0.0%	9508240	1.39	1.46	4.9%	9508250	< 0.1	< 0.1	0.0%
Sc	9508215	12	12	0.0%	9508225	25	25	0.0%	9508240	13	13	0.0%	9508250	< 5	< 5	0.0%
Si	9508215	31.2	30.5	2.3%	9508225	26.5	26.7	0.8%	9508240	28.7	28.5	0.7%	9508250	30.1	30.3	0.7%
Sm	9508215	1.2	1.2	0.0%	9508225	11.4	11.7	2.6%	9508240	4.83	4.87	0.8%	9508250	< 0.1	< 0.1	0.0%
Sn	9508215	6	7	15.4%	9508225	3	3	0.0%	9508240	< 1	< 1	0.0%	9508250	< 1	< 1	0.0%
Sr	9508215	73.4	72.8	0.8%	9508225	243	252	3.6%	9508240	200	199	0.5%	9508250	12.9	11.8	8.9%
Ta	9508215	< 0.5	< 0.5	0.0%	9508225	0.6	0.6	0.0%	9508240	1.0	1.0	0.0%	9508250	< 0.5	< 0.5	0.0%
Tb	9508215	0.20	0.19	5.1%	9508225	1.13	1.12	0.9%	9508240	0.48	0.48	0.0%	9508250	< 0.05	< 0.05	0.0%
Th	9508215	5.0	5.0	0.0%	9508225	11.2	11.2	0.0%	9508240	11.3	11.1	1.8%	9508250	0.5	0.5	0.0%
Ti	9508215	0.40	0.39	2.5%	9508225	0.585	0.591	1.0%	9508240	0.386	0.359	7.2%	9508250	0.03	0.03	0.0%
Tl	9508215	4.9	4.9	0.0%	9508225	1.8	1.8	0.0%	9508240	1.7	1.5	12.5%	9508250	< 0.5	< 0.5	0.0%
Tm	9508215	0.19	0.19	0.0%	9508225	0.31	0.33	6.3%	9508240	0.20	0.19	5.1%	9508250	< 0.05	< 0.05	0.0%
U	9508215	2.25	2.24	0.4%	9508225	2.61	2.68	2.6%	9508240	2.33	2.24	3.9%	9508250	0.15	0.15	0.0%
V	9508215	109	106	2.8%	9508225	156	157	0.6%	9508240	72	72	0.0%	9508250	51	54	5.7%
W	9508215	1	< 1		9508225	< 1	< 1	0.0%	9508240	< 1	< 1	0.0%	9508250	< 1	< 1	0.0%
Y	9508215	15.4	15.1	2.0%	9508225	25.6	25.7	0.4%	9508240	11.9	12.2	2.5%	9508250	0.5	0.5	0.0%
Yb	9508215	1.3	1.3	0.0%	9508225	2.10	2.27	7.8%	9508240	1.29	1.38	6.7%	9508250	< 0.1	< 0.1	0.0%
Zn	9508215	648	594	8.7%	9508225	167	170	1.8%	9508240	45	46	2.2%	9508250	129	133	3.1%
Zr	9508215	164	161	1.8%	9508225	192	199	3.6%	9508240	282	299	5.9%	9508250	9.2	7.0	27.2%

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3							
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Au	9508215	< 0.001	< 0.001	0.0%	9508229	0.002	0.001		9508240	0.005	0.005	0.0%				
Pd	9508215	< 0.001	< 0.001	0.0%	9508229	0.002	0.002	0.0%	9508240	0.002	0.002	0.0%				
Pt	9508215	< 0.005	< 0.005	0.0%	9508229	< 0.005	< 0.005	0.0%	9508240	< 0.005	< 0.005	0.0%				



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.Till-2)											
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Al	10.95	11.13	102%	90% - 110%	8.47	8.76	103%	90% - 110%								
As					26	24	94%	90% - 110%								
Ba	340	351	103%	90% - 110%	540	538	100%	90% - 110%								
Be	2.6	3.3	125%	90% - 110%	4.0	3.6	91%	90% - 110%								
Ca	5.72	6.17	108%	90% - 110%	0.907	0.98	108%	90% - 110%								
Ce	122	122	100%	90% - 110%	98	99	101%	90% - 110%								
Co	2.8	2.7	97%	90% - 110%	15	15	100%	90% - 110%								
Cs	1.5	1.4	93%	90% - 110%												
Cu					150	164	109%	90% - 110%								
Dy	18.2	18.3	100%	90% - 110%												
Er	14.2	14.2	100%	90% - 110%	3.7	3.8	104%	90% - 110%								
Eu	2.0	2	100%	90% - 110%	1.0	1.1	108%	90% - 110%								
Fe	4.34	4.5	104%	90% - 110%	3.77	4.1	109%	90% - 110%								
Ga	35	36	104%	90% - 110%												
Gd	14	13	96%	90% - 110%												
Hf	10.6	11.1	105%	90% - 110%	11	10	94%	90% - 110%								
Ho	4.3	4.6	106%	90% - 110%												
K	1.37	1.49	109%	90% - 110%	2.55	2.76	108%	90% - 110%								
La	58	57	98%	90% - 110%	44	44	99%	90% - 110%								
Li	37	40	108%	90% - 110%	47	47	100%	90% - 110%								
Lu	2.1	2.2	105%	90% - 110%	0.6	0.6	98%	90% - 110%								
Mg	0.325	0.322	99%	90% - 110%	1.1	1.2	107%	90% - 110%								
Mn	836	850	102%	90% - 110%	780	808	104%	90% - 110%								
Mo					14	14	97%	90% - 110%								
Nb	13	13	102%	90% - 110%	20	18	92%	90% - 110%								
Nd	57	59	104%	90% - 110%												
Pb	10	9	95%	90% - 110%	31	32	102%	90% - 110%								
Pr	15.0	13.5	90%	90% - 110%												
Rb	55	54	98%	90% - 110%	144	143	99%	90% - 110%								
Sb					0.8	0.8	98%	90% - 110%								
Sc	1.1	0.8	75%	90% - 110%	12	13	108%	90% - 110%								



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

Si	23.3	23.8	102%	90% - 110%	28.4	30.1	106%	90% - 110%								
Sm	12.7	12.7	100%	90% - 110%	7.4	7.8	106%	90% - 110%								
Sr	1191	1221	103%	90% - 110%	144	157	109%	90% - 110%								
Ta	0.9	1	106%	90% - 110%	1.9	2	105%	90% - 110%								
Tb	2.6	2.6	100%	90% - 110%	1.2	1.1	95%	90% - 110%								
Th	1.4	1.3	94%	90% - 110%	18.4	17.9	97%	90% - 110%								
Ti	0.172	0.175	102%	90% - 110%	0.527	0.547	104%	90% - 110%								
Tm	2.3	2.4	103%	90% - 110%												
U	0.8	0.8	96%	90% - 110%	5.7	5.3	93%	90% - 110%								
V	8	6	77%	90% - 110%	77	84	109%	90% - 110%								
W					5	5	108%	90% - 110%								
Y	119	122	102%	90% - 110%	40	37	93%	90% - 110%								
Yb	14.8	15.3	103%	90% - 110%												
Zn	93	93	100%	90% - 110%	130	128	98%	90% - 110%								
Zr	517	562	108%	90% - 110%	390	379	97%	90% - 110%								

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

Parameter	CRM #1 (ref.PG129)				CRM #2 (ref.Till-2)												
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits									
Au	1.1	1	92%	90% - 110%													
Pd	0.115	0.108	94%	90% - 110%													
Pt	0.239	0.224	94%	90% - 110%													



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T379361

PROJECT:

ATTENTION TO: GUY EUGENE RICHARD; RYAN

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS





## Method Summary

CLIENT NAME: CREELMAN GOLD CORP  
 PROJECT:  
 SAMPLING SITE:

AGAT WORK ORDER: 18T379361  
 ATTENTION TO: GUY EUGENE RICHARD; RYAN  
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pd	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pt	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES



CLIENT NAME: CREELMAN GOLD CORP  
1886 PENAGE LAKE RD  
WHITEFISH, ON P0M 3E0  
705-207-8616

ATTENTION TO: GUY EUGENE RICHARD

PROJECT:

AGAT WORK ORDER: 18T392876

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Oct 19, 2018

PAGES (INCLUDING COVER): 21

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

\*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



## Certificate of Analysis

AGAT WORK ORDER: 18T392876

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (200-) Sample Login Weight

DATE SAMPLED: Oct 02, 2018

DATE RECEIVED: Oct 03, 2018

DATE REPORTED: Oct 19, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
152 (9597657)		0.9826
153 (9597658)		0.7512
154 (9597659)		1.3550
155 (9597660)		1.4304
156 (9597661)		1.0868
157 (9597662)		1.7420
158 (9597663)		1.5280
159 (9597664)		1.0194
160 (9597665)		2.2906
161 (9597666)		1.6616
162 (9597667)		1.5472
163 (9597668)		1.0596
164 (9597669)		1.2288
165 (9597670)		1.0422
166 (9597671)		1.2706
167 (9597672)		1.4408
168 (9597673)		1.3174
169 (9597674)		1.2892
170 (9597675)		1.1142
171 (9597676)		1.2208
172 (9597677)		1.9498
173 (9597678)		1.2854
174 (9597679)		1.3934
175 (9597680)		1.6642
176 (9597681)		1.5736
177 (9597682)		1.1626
178 (9597683)		1.5002
179 (9597684)		1.0604
180 (9597685)		0.7524
181 (9597686)		1.3110
182 (9597687)		1.3324

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T392876

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (200-) Sample Login Weight

DATE SAMPLED: Oct 02, 2018

DATE RECEIVED: Oct 03, 2018

DATE REPORTED: Oct 19, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
183 (9597688)		1.1578
184 (9597689)		1.3642
185 (9597690)		0.9484
186 (9597691)		1.4674
187 (9597692)		1.2786
188 (9597693)		1.3912
189 (9597694)		1.0982
190 (9597695)		1.1568

Comments: RDL - Reported Detection Limit

Certified By:



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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 02, 2018

DATE RECEIVED: Oct 03, 2018

DATE REPORTED: Oct 19, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5
152 (9597657)		<1	2.48	18	29	960	<5	4.3	0.51	<0.2	89.3	26.6	0.029	1.1	45
153 (9597658)		<1	3.39	6	45	1460	<5	7.3	0.67	<0.2	137	48.0	0.022	2.8	54
154 (9597659)		<1	7.88	<5	<20	949	<5	0.8	6.53	0.3	24.7	69.4	0.008	2.4	206
155 (9597660)		<1	7.02	<5	<20	1030	<5	0.5	6.05	0.3	18.8	67.0	0.010	2.1	154
156 (9597661)		<1	7.93	<5	20	258	10	0.9	8.29	<0.2	131	37.2	0.054	1.2	74
157 (9597662)		<1	7.59	<5	<20	435	6	1.5	5.67	<0.2	22.3	74.3	0.018	0.4	57
158 (9597663)		<1	7.82	<5	<20	248	<5	4.9	9.48	0.9	12.7	155	0.040	0.9	1610
159 (9597664)		<1	7.83	<5	<20	345	<5	4.6	8.57	0.5	13.1	253	0.040	1.2	908
160 (9597665)		<1	7.43	14	<20	625	<5	2.0	5.78	<0.2	12.1	64.8	0.015	4.8	168
161 (9597666)		<1	5.80	<5	<20	58.4	<5	2.0	6.91	0.2	6.2	35.6	0.031	0.3	39
162 (9597667)		<1	5.62	<5	<20	116	<5	0.3	0.72	<0.2	12.1	30.0	0.021	0.9	19
163 (9597668)		<1	7.15	<5	<20	64.2	<5	<0.1	0.28	<0.2	4.8	34.2	0.017	0.8	22
164 (9597669)		<1	4.89	<5	<20	45.4	<5	<0.1	0.40	<0.2	7.9	25.8	0.020	0.6	20
165 (9597670)		<1	4.06	<5	<20	20.9	<5	<0.1	0.37	<0.2	4.9	27.1	0.017	0.5	59
166 (9597671)		<1	6.34	<5	<20	59.4	<5	0.1	1.18	<0.2	19.9	24.4	0.019	1.2	62
167 (9597672)		<1	8.82	<5	<20	92.6	<5	0.2	2.13	<0.2	28.4	55.2	0.021	2.4	53
168 (9597673)		<1	7.54	<5	<20	143	<5	1.3	0.26	0.2	5.0	128	0.012	1.3	2700
169 (9597674)		<1	7.74	8	<20	88.7	<5	0.3	0.66	<0.2	12.4	117	0.013	0.7	609
170 (9597675)		<1	2.25	<5	<20	92.7	<5	0.2	0.38	<0.2	8.9	9.9	0.030	0.9	41
171 (9597676)		<1	6.15	<5	<20	178	<5	0.3	1.09	<0.2	26.6	28.3	0.020	1.4	219
172 (9597677)		<1	5.17	<5	<20	159	<5	0.2	1.00	<0.2	18.2	17.1	0.026	1.2	72
173 (9597678)		<1	7.66	<5	20	153	<5	0.7	8.96	0.3	8.4	42.2	0.031	0.3	55
174 (9597679)		<1	6.42	<5	<20	656	<5	<0.1	1.17	<0.2	24.3	2.2	0.018	0.2	39
175 (9597680)		<1	7.49	<5	<20	507	<5	0.4	4.43	0.3	17.1	20.1	0.024	0.6	77
176 (9597681)		<1	7.57	<5	<20	201	<5	0.3	5.14	0.4	76.4	21.4	0.032	3.1	14
177 (9597682)		<1	7.42	<5	<20	312	<5	0.2	1.83	<0.2	49.5	13.9	0.025	2.6	7
178 (9597683)		<1	5.81	<5	<20	46.2	<5	<0.1	0.75	<0.2	6.4	25.9	0.015	0.8	14
179 (9597684)		<1	6.51	<5	<20	92.0	<5	0.2	1.46	<0.2	19.9	22.7	0.018	0.9	11
180 (9597685)		<1	4.45	<5	<20	54.5	<5	0.1	0.77	<0.2	9.3	19.8	0.021	0.7	11
181 (9597686)		<1	8.32	12	22	227	<5	0.1	1.25	<0.2	41.4	32.9	0.020	2.6	12
182 (9597687)		<1	8.06	<5	<20	120	369	1.8	0.21	<0.2	1.8	0.8	0.021	9.1	<5
183 (9597688)		<1	9.13	<5	<20	77.0	<5	0.7	10.9	<0.2	39.0	8.8	0.010	0.2	34

Certified By:



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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 02, 2018

DATE RECEIVED: Oct 03, 2018

DATE REPORTED: Oct 19, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5
184 (9597689)		<1	8.26	<5	<20	692	6	0.2	5.54	<0.2	19.8	35.9	0.008	4.7	28
185 (9597690)		<1	9.71	<5	24	2300	5	0.2	5.69	<0.2	25.2	32.0	0.007	3.2	36
186 (9597691)		<1	8.81	<5	22	215	<5	0.3	6.87	0.2	13.2	41.6	0.018	1.9	66
187 (9597692)		<1	8.63	10	<20	189	<5	0.6	7.27	0.2	13.6	41.4	0.018	1.6	78
188 (9597693)		<1	8.30	<5	<20	284	<5	0.5	1.85	<0.2	45.7	24.8	0.017	11.7	8
189 (9597694)		<1	8.58	<5	<20	557	<5	0.5	1.73	<0.2	56.5	31.8	0.025	6.0	24
190 (9597695)		<1	8.56	<5	<20	582	<5	<0.1	5.43	0.4	6.5	40.7	0.016	7.3	63

Certified By:



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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 02, 2018	DATE RECEIVED: Oct 03, 2018					DATE REPORTED: Oct 19, 2018					SAMPLE TYPE: Rock				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
152 (9597657)	4.01	1.80	1.78	6.05	9.44	6.75	2	1	0.72	0.5	1.48	47.1	54	0.23	
153 (9597658)	5.14	2.32	2.44	8.65	12.0	9.08	3	3	0.90	0.7	2.17	65.9	70	0.32	
154 (9597659)	2.27	1.31	0.69	10.1	17.2	2.29	2	2	0.46	<0.2	0.90	11.9	60	0.21	
155 (9597660)	2.32	1.50	0.63	9.98	16.1	2.14	2	2	0.51	<0.2	0.95	8.5	53	0.27	
156 (9597661)	4.55	2.01	3.03	6.21	27.8	8.82	3	3	0.81	<0.2	0.74	60.6	28	0.28	
157 (9597662)	2.33	1.47	0.84	6.60	17.2	2.44	2	3	0.51	<0.2	0.67	10.8	23	0.24	
158 (9597663)	3.21	2.01	1.05	9.58	18.6	2.94	3	2	0.70	<0.2	0.46	5.4	22	0.33	
159 (9597664)	3.37	2.10	1.08	10.2	18.5	2.90	2	2	0.71	<0.2	0.65	5.8	29	0.36	
160 (9597665)	3.49	2.11	0.95	9.58	20.0	2.94	2	2	0.76	<0.2	1.71	5.9	66	0.38	
161 (9597666)	2.30	1.53	0.60	6.25	12.5	1.95	2	1	0.52	<0.2	0.25	2.3	23	0.26	
162 (9597667)	0.73	0.44	0.30	6.09	17.2	0.90	<1	2	0.17	<0.2	0.45	5.8	63	0.09	
163 (9597668)	0.33	0.17	0.12	10.1	23.8	0.34	<1	<1	0.06	<0.2	0.29	2.4	99	<0.05	
164 (9597669)	0.42	0.26	0.18	6.12	15.2	0.53	<1	<1	0.09	<0.2	0.22	3.5	54	<0.05	
165 (9597670)	0.44	0.24	0.14	5.56	13.5	0.47	<1	<1	0.09	<0.2	0.23	2.5	39	<0.05	
166 (9597671)	1.44	0.89	0.54	4.86	15.5	1.59	1	2	0.30	<0.2	0.46	9.4	35	0.15	
167 (9597672)	6.11	3.87	1.27	9.54	24.8	5.52	2	4	1.30	<0.2	0.79	12.2	81	0.64	
168 (9597673)	0.29	0.15	0.14	11.7	32.0	0.37	<1	<1	0.06	0.3	0.57	2.5	107	<0.05	
169 (9597674)	0.64	0.38	0.27	10.1	28.4	0.90	1	1	0.12	<0.2	0.45	5.9	89	0.05	
170 (9597675)	0.43	0.30	0.20	2.08	6.93	0.58	<1	<1	0.10	<0.2	0.44	4.0	27	<0.05	
171 (9597676)	1.17	0.67	0.50	4.85	18.6	1.57	1	2	0.25	<0.2	0.74	13.0	50	0.13	
172 (9597677)	0.86	0.54	0.35	3.61	13.7	1.06	1	2	0.18	<0.2	0.70	8.3	40	0.09	
173 (9597678)	3.38	2.25	0.84	8.27	20.1	2.76	2	2	0.77	<0.2	0.39	3.6	21	0.38	
174 (9597679)	1.80	1.36	0.34	0.56	8.41	1.61	<1	3	0.42	<0.2	0.42	12.4	<10	0.26	
175 (9597680)	2.45	1.64	0.64	4.69	14.9	2.24	1	2	0.55	<0.2	1.08	8.4	36	0.31	
176 (9597681)	2.81	1.43	1.73	5.64	20.4	4.30	2	3	0.53	<0.2	0.80	44.0	32	0.22	
177 (9597682)	2.04	1.08	0.86	4.38	19.5	2.79	1	2	0.42	<0.2	1.13	23.9	53	0.19	
178 (9597683)	0.49	0.42	0.18	7.92	23.9	0.59	1	<1	0.12	<0.2	0.32	3.5	88	0.08	
179 (9597684)	1.20	0.86	0.49	6.78	21.8	1.42	1	1	0.27	<0.2	0.49	10.2	69	0.17	
180 (9597685)	0.59	0.45	0.23	5.85	18.1	0.66	1	<1	0.14	<0.2	0.35	4.7	62	0.08	
181 (9597686)	1.85	1.03	0.72	9.58	26.5	2.38	1	2	0.37	<0.2	0.99	20.7	96	0.17	
182 (9597687)	0.40	0.08	0.07	0.45	53.3	0.72	6	5	<0.05	<0.2	0.63	0.7	<10	<0.05	
183 (9597688)	4.56	2.90	1.41	7.15	37.9	4.68	4	4	0.97	<0.2	0.10	18.7	<10	0.51	

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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 02, 2018

DATE RECEIVED: Oct 03, 2018

DATE REPORTED: Oct 19, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
184 (9597689)		1.93	1.24	0.71	5.39	15.5	1.90	2	<1	0.41	<0.2	2.05	8.9	68	0.19
185 (9597690)		1.65	0.86	1.12	5.33	17.6	2.38	2	<1	0.30	<0.2	3.77	14.7	72	0.14
186 (9597691)		3.82	2.37	1.07	7.95	18.4	3.34	2	2	0.86	<0.2	0.88	5.3	41	0.42
187 (9597692)		4.12	2.73	1.03	8.71	19.2	3.50	2	2	0.91	<0.2	0.77	5.4	33	0.46
188 (9597693)		2.27	1.43	0.94	4.62	19.0	2.86	2	4	0.47	<0.2	2.15	21.2	50	0.26
189 (9597694)		3.34	1.91	1.34	5.84	22.4	4.03	2	4	0.67	<0.2	1.76	27.8	83	0.33
190 (9597695)		0.98	0.65	0.59	6.98	16.3	0.86	1	1	0.23	<0.2	1.43	3.1	70	0.13

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ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 02, 2018	DATE RECEIVED: Oct 03, 2018					DATE REPORTED: Oct 19, 2018					SAMPLE TYPE: Rock				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
152 (9597657)	1.47	412	17	2	39.8	49	0.09	22	10.4	60.1	0.01	0.9	6	37.2	
153 (9597658)	1.92	515	11	4	55.9	65	0.14	23	14.8	89.1	<0.01	1.2	9	34.6	
154 (9597659)	3.74	1670	5	3	10.5	60	0.01	21	2.79	67.6	0.64	0.3	33	22.0	
155 (9597660)	4.45	1660	3	3	8.5	103	0.02	17	2.22	65.3	0.29	0.2	39	21.4	
156 (9597661)	3.59	1150	4	7	63.0	86	0.26	10	16.4	32.3	0.04	0.3	17	24.9	
157 (9597662)	3.74	1050	3	3	10.0	62	0.03	11	2.60	32.6	1.14	0.2	24	24.3	
158 (9597663)	2.62	1510	9	2	8.3	164	0.04	17	1.80	22.4	1.67	0.4	34	22.4	
159 (9597664)	2.70	1540	7	2	8.1	202	0.04	16	1.83	31.7	2.47	0.4	35	21.9	
160 (9597665)	3.77	1760	4	2	8.0	68	0.03	16	1.63	109	0.66	0.2	42	22.3	
161 (9597666)	3.08	1370	14	2	4.8	85	0.03	11	0.94	6.1	0.02	0.1	28	28.9	
162 (9597667)	3.38	1180	10	2	4.9	106	0.04	6	1.35	16.6	0.15	0.1	5	31.2	
163 (9597668)	6.51	2050	8	<1	2.0	190	0.02	<5	0.53	11.2	0.06	<0.1	<5	25.5	
164 (9597669)	3.68	1160	11	1	3.1	108	0.02	<5	0.84	7.6	0.09	<0.1	<5	32.0	
165 (9597670)	3.29	1390	11	<1	2.3	89	0.01	<5	0.59	6.7	0.06	<0.1	<5	33.4	
166 (9597671)	2.77	1340	9	3	8.7	76	0.03	9	2.32	21.1	0.05	0.1	9	32.6	
167 (9597672)	5.69	2880	4	6	17.6	111	0.07	14	3.95	39.0	0.10	0.3	42	21.7	
168 (9597673)	6.12	2050	9	2	2.3	227	<0.01	6	0.58	26.9	1.92	<0.1	6	24.4	
169 (9597674)	5.25	1800	7	2	5.4	174	0.02	11	1.48	13.3	1.55	0.1	6	25.1	
170 (9597675)	1.05	362	18	1	3.4	38	0.05	6	0.93	16.8	0.01	0.2	<5	39.9	
171 (9597676)	2.18	904	9	4	10.9	75	0.03	30	3.06	32.1	0.79	0.1	8	32.7	
172 (9597677)	1.58	622	13	3	7.0	56	0.03	23	2.05	28.5	0.44	0.1	6	36.3	
173 (9597678)	3.65	1700	6	2	6.3	117	0.03	53	1.27	8.8	0.08	0.3	39	25.5	
174 (9597679)	0.17	83	12	3	8.1	8	<0.01	11	2.46	9.2	0.02	<0.1	<5	37.7	
175 (9597680)	2.33	970	7	4	7.6	67	0.02	95	2.03	40.3	0.03	0.3	21	30.8	
176 (9597681)	3.39	2520	7	4	28.7	148	0.07	39	8.16	43.5	<0.01	0.2	15	30.4	
177 (9597682)	1.79	828	10	7	19.0	57	0.06	18	5.56	61.8	0.01	0.1	13	34.0	
178 (9597683)	4.06	1540	9	<1	2.8	140	0.03	6	0.76	10.2	0.02	0.3	<5	31.4	
179 (9597684)	3.01	1200	9	2	8.7	99	0.02	11	2.37	18.3	0.06	0.3	7	31.6	
180 (9597685)	2.74	1050	13	<1	3.8	97	0.03	6	1.07	12.7	0.02	0.2	<5	34.3	
181 (9597686)	4.73	1910	8	5	16.9	154	0.06	10	4.66	54.5	0.01	0.2	10	23.8	
182 (9597687)	0.06	128	15	31	1.0	5	0.01	7	0.25	394	<0.01	<0.1	<5	35.8	
183 (9597688)	0.24	1050	6	8	19.5	7	0.07	22	4.86	4.5	0.18	0.4	7	24.8	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T392876

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 02, 2018		DATE RECEIVED: Oct 03, 2018					DATE REPORTED: Oct 19, 2018					SAMPLE TYPE: Rock			
Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %
184 (9597689)		5.04	1230	3	2	9.6	139	0.01	24	2.45	179	0.01	0.1	33	25.7
185 (9597690)		4.29	981	3	<1	12.9	124	<0.01	17	3.20	278	<0.01	0.3	25	24.6
186 (9597691)		3.20	1370	10	3	9.1	66	0.04	20	1.93	46.1	0.07	0.2	31	22.7
187 (9597692)		3.25	1500	13	3	9.4	76	0.05	20	1.99	40.7	0.10	0.2	34	23.3
188 (9597693)		1.70	961	3	8	18.6	67	0.07	8	5.19	147	0.04	0.2	15	29.3
189 (9597694)		3.02	1500	4	7	24.3	103	0.06	11	6.67	107	0.08	0.1	18	27.9
190 (9597695)		4.33	1300	3	1	3.0	85	<0.01	37	0.74	117	0.14	0.1	23	23.9

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T392876

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 02, 2018

DATE RECEIVED: Oct 03, 2018

DATE REPORTED: Oct 19, 2018

SAMPLE TYPE: Rock

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
152 (9597657)	7.4	15	34.7	<0.5	0.83	2.4	0.14	<0.5	0.25	4.98	81	16	20.4	1.6
153 (9597658)	10.6	18	50.7	<0.5	1.11	4.5	0.21	0.8	0.33	6.90	103	21	25.4	2.2
154 (9597659)	2.2	3	610	0.6	0.36	5.0	0.88	0.8	0.21	0.87	715	<1	12.9	1.5
155 (9597660)	2.0	6	445	0.7	0.36	5.2	0.88	0.7	0.23	0.74	686	<1	14.3	1.7
156 (9597661)	11.6	7	992	0.7	1.08	9.0	0.37	<0.5	0.28	3.21	189	1	23.8	1.9
157 (9597662)	2.2	9	587	<0.5	0.38	3.1	0.57	<0.5	0.22	1.48	333	<1	14.3	1.5
158 (9597663)	2.4	7	308	<0.5	0.50	1.4	0.48	<0.5	0.30	0.39	254	2	20.0	2.1
159 (9597664)	2.5	8	310	<0.5	0.49	1.1	0.48	0.5	0.31	0.30	264	6	20.3	2.2
160 (9597665)	2.3	9	211	<0.5	0.54	0.5	0.52	1.1	0.35	0.25	314	1	21.5	2.3
161 (9597666)	1.6	7	145	<0.5	0.36	0.3	0.37	<0.5	0.23	0.10	211	152	14.5	1.7
162 (9597667)	1.0	7	135	<0.5	0.16	3.0	0.17	<0.5	0.07	0.78	90	1	4.2	0.5
163 (9597668)	0.4	5	49.7	<0.5	0.06	1.2	0.07	<0.5	<0.05	0.41	105	<1	1.8	0.2
164 (9597669)	0.7	14	69.3	<0.5	0.08	1.7	0.09	<0.5	<0.05	0.50	71	<1	2.5	0.3
165 (9597670)	0.5	22	66.0	<0.5	0.07	0.6	0.06	<0.5	<0.05	0.28	74	<1	2.7	0.3
166 (9597671)	1.6	6	213	0.5	0.24	3.7	0.25	<0.5	0.14	0.96	87	<1	9.1	0.9
167 (9597672)	4.9	12	280	0.6	0.99	1.8	0.96	<0.5	0.61	0.82	208	<1	34.9	4.1
168 (9597673)	0.4	9	56.3	<0.5	0.05	0.6	0.10	<0.5	<0.05	0.53	101	<1	1.9	0.2
169 (9597674)	1.0	7	159	<0.5	0.12	2.1	0.09	<0.5	0.05	1.09	103	<1	4.0	0.4
170 (9597675)	0.6	6	71.3	<0.5	0.09	1.6	0.05	<0.5	<0.05	0.38	30	<1	2.9	0.3
171 (9597676)	2.0	7	240	0.6	0.23	5.6	0.17	<0.5	0.11	1.80	69	1	7.0	0.8
172 (9597677)	1.3	7	204	0.5	0.17	4.1	0.12	<0.5	0.09	1.51	55	<1	5.5	0.6
173 (9597678)	2.0	9	277	<0.5	0.51	0.4	0.53	<0.5	0.34	0.20	286	49	21.4	2.5
174 (9597679)	1.6	5	64.0	0.7	0.29	18.0	0.03	<0.5	0.22	7.72	11	<1	14.0	1.7
175 (9597680)	1.9	7	227	0.8	0.37	13.1	0.32	<0.5	0.27	5.55	147	1	15.8	1.9
176 (9597681)	4.9	7	293	<0.5	0.60	5.3	0.38	0.5	0.21	1.62	129	5	15.5	1.5
177 (9597682)	3.2	7	365	0.8	0.39	10.4	0.31	<0.5	0.17	3.42	103	<1	11.6	1.2
178 (9597683)	0.6	5	139	<0.5	0.08	0.9	0.04	<0.5	0.07	1.14	105	<1	4.0	0.5
179 (9597684)	1.6	6	303	<0.5	0.20	2.8	0.08	<0.5	0.14	2.91	114	<1	8.4	1.1
180 (9597685)	0.8	8	156	<0.5	0.09	1.4	0.04	<0.5	0.07	1.20	95	<1	4.3	0.6
181 (9597686)	3.0	8	287	0.7	0.35	8.1	0.23	<0.5	0.15	2.68	118	<1	10.5	1.1
182 (9597687)	0.8	16	36.3	60.0	0.13	1.7	<0.01	2.1	<0.05	5.14	5	<1	2.8	<0.1
183 (9597688)	4.3	9	1790	0.9	0.76	5.0	0.34	<0.5	0.45	2.90	93	3	29.6	3.1

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T392876

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 02, 2018

DATE RECEIVED: Oct 03, 2018

DATE REPORTED: Oct 19, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm 0.1	Sn ppm 1	Sr ppm 0.1	Ta ppm 0.5	Tb ppm 0.05	Th ppm 0.1	Ti % 0.01	Tl ppm 0.5	Tm ppm 0.05	U ppm 0.05	V ppm 5	W ppm 1	Y ppm 0.5	Yb ppm 0.1
184 (9597689)		2.0	7	409	<0.5	0.32	1.5	0.15	1.2	0.18	0.92	145	<1	12.2	1.3
185 (9597690)		2.7	7	550	<0.5	0.33	0.5	0.15	1.9	0.14	0.38	121	<1	9.1	0.8
186 (9597691)		2.6	9	215	<0.5	0.56	0.6	0.59	<0.5	0.37	0.19	232	<1	24.0	2.5
187 (9597692)		3.0	6	207	<0.5	0.63	0.6	0.66	<0.5	0.40	0.17	269	<1	25.9	2.8
188 (9597693)		3.4	7	358	0.8	0.42	10.5	0.34	1.2	0.23	3.58	94	<1	14.2	1.5
189 (9597694)		4.6	6	446	0.8	0.59	6.7	0.41	0.8	0.28	2.30	134	<1	19.3	2.1
190 (9597695)		0.8	7	316	<0.5	0.16	1.5	0.44	0.8	0.11	0.52	192	<1	6.4	0.8

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T392876

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
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 TEL (905)501-9998  
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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 02, 2018

DATE RECEIVED: Oct 03, 2018

DATE REPORTED: Oct 19, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
152 (9597657)		75	58.4
153 (9597658)		90	106
154 (9597659)		142	61.7
155 (9597660)		154	56.9
156 (9597661)		82	133
157 (9597662)		88	131
158 (9597663)		108	63.0
159 (9597664)		97	58.1
160 (9597665)		133	48.6
161 (9597666)		97	38.2
162 (9597667)		143	63.3
163 (9597668)		257	24.4
164 (9597669)		158	31.6
165 (9597670)		159	19.8
166 (9597671)		127	87.4
167 (9597672)		260	149
168 (9597673)		272	16.2
169 (9597674)		207	52.9
170 (9597675)		44	26.0
171 (9597676)		98	82.3
172 (9597677)		69	81.1
173 (9597678)		124	52.8
174 (9597679)		8	68.6
175 (9597680)		76	62.6
176 (9597681)		178	120
177 (9597682)		77	89.7
178 (9597683)		169	9.5
179 (9597684)		120	43.8
180 (9597685)		113	17.6
181 (9597686)		204	75.8
182 (9597687)		9	16.0
183 (9597688)		7	140

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T392876

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 02, 2018	DATE RECEIVED: Oct 03, 2018	DATE REPORTED: Oct 19, 2018	SAMPLE TYPE: Rock
Analyte:	Zn	Zr	
Unit:	ppm	ppm	
RDL:	5	0.5	
Sample ID (AGAT ID)			
184 (9597689)	129	15.4	
185 (9597690)	110	10.2	
186 (9597691)	105	74.9	
187 (9597692)	112	81.9	
188 (9597693)	72	137	
189 (9597694)	188	156	
190 (9597695)	125	33.7	

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T392876

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
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FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

DATE SAMPLED: Oct 02, 2018

DATE RECEIVED: Oct 03, 2018

DATE REPORTED: Oct 19, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Au	Pd	Pt
	Unit: RDL:	ppm 0.001	ppm 0.001	ppm 0.005
152 (9597657)		0.066	0.001	<0.005
153 (9597658)		0.050	0.001	<0.005
154 (9597659)		0.007	<0.001	<0.005
155 (9597660)		0.004	<0.001	<0.005
156 (9597661)		0.003	<0.001	<0.005
157 (9597662)		0.007	<0.001	<0.005
158 (9597663)		0.017	0.004	<0.005
159 (9597664)		0.004	<0.001	<0.005
160 (9597665)		0.002	<0.001	<0.005
161 (9597666)		0.002	0.004	<0.005
162 (9597667)		0.001	0.001	<0.005
163 (9597668)		<0.001	<0.001	<0.005
164 (9597669)		<0.001	0.001	<0.005
165 (9597670)		<0.001	0.001	<0.005
166 (9597671)		<0.001	<0.001	<0.005
167 (9597672)		0.001	0.002	<0.005
168 (9597673)		0.063	0.012	<0.005
169 (9597674)		0.010	0.004	<0.005
170 (9597675)		0.002	<0.001	<0.005
171 (9597676)		0.004	0.002	<0.005
172 (9597677)		0.002	<0.001	<0.005
173 (9597678)		0.006	0.008	0.006
174 (9597679)		0.002	<0.001	<0.005
175 (9597680)		0.002	0.003	<0.005
176 (9597681)		<0.001	0.002	<0.005
177 (9597682)		<0.001	0.001	<0.005
178 (9597683)		<0.001	0.001	<0.005
179 (9597684)		<0.001	0.002	<0.005
180 (9597685)		<0.001	0.001	<0.005
181 (9597686)		<0.001	0.001	<0.005
182 (9597687)		0.002	0.001	<0.005
183 (9597688)		<0.001	<0.001	<0.005

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T392876

PROJECT:

5623 McADAM ROAD  
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 TEL (905)501-9998  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

DATE SAMPLED: Oct 02, 2018

DATE RECEIVED: Oct 03, 2018

DATE REPORTED: Oct 19, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Au	Pd	Pt
	Unit:	ppm	ppm	ppm
	RDL:	0.001	0.001	0.005
184 (9597689)		<0.001	0.001	<0.005
185 (9597690)		<0.001	<0.001	<0.005
186 (9597691)		0.002	<0.001	<0.005
187 (9597692)		<0.001	<0.001	<0.005
188 (9597693)		0.001	0.002	<0.005
189 (9597694)		<0.001	0.003	<0.005
190 (9597695)		<0.001	0.001	<0.005

Comments: RDL - Reported Detection Limit

Certified By:





CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9597657	< 1	< 1	0.0%	9597668	< 1	< 1	0.0%	9597682	< 1	< 1	0.0%	9597695	< 1	< 1	0.0%
Al	9597657	2.48	2.48	0.0%	9597668	7.15	7.38	3.2%	9597682	7.42	7.26	2.2%	9597695	8.56	8.55	0.1%
As	9597657	18	8		9597668	< 5	< 5	0.0%	9597682	< 5	< 5	0.0%	9597695	< 5	< 5	0.0%
B	9597657	29	31	6.7%	9597668	< 20	< 20	0.0%	9597682	< 20	< 20	0.0%	9597695	< 20	< 20	0.0%
Ba	9597657	960	893	7.2%	9597668	64.2	63.1	1.7%	9597682	312	319	2.2%	9597695	582	572	1.7%
Be	9597657	< 5	< 5	0.0%	9597668	< 5	< 5	0.0%	9597682	< 5	< 5	0.0%	9597695	< 5	< 5	0.0%
Bi	9597657	4.3	4.6	6.7%	9597668	< 0.1	< 0.1	0.0%	9597682	0.2	0.2	0.0%	9597695	< 0.1	< 0.1	0.0%
Ca	9597657	0.51	0.50	2.0%	9597668	0.28	0.29	3.5%	9597682	1.83	1.79	2.2%	9597695	5.43	5.72	5.2%
Cd	9597657	< 0.2	< 0.2	0.0%	9597668	< 0.2	< 0.2	0.0%	9597682	< 0.2	< 0.2	0.0%	9597695	0.4	0.4	0.0%
Ce	9597657	89.3	103	14.2%	9597668	4.79	4.87	1.7%	9597682	49.5	55.8	12.0%	9597695	6.5	6.7	3.0%
Co	9597657	26.6	24.0	10.3%	9597668	34.2	32.7	4.5%	9597682	13.9	14.0	0.7%	9597695	40.7	41.9	2.9%
Cr	9597657	0.0286	0.0250	13.4%	9597668	0.0166	0.0151	9.5%	9597682	0.025	0.029	14.8%	9597695	0.016	0.016	0.0%
Cs	9597657	1.09	1.02	6.6%	9597668	0.8	0.8	0.0%	9597682	2.6	2.7	3.8%	9597695	7.32	7.57	3.4%
Cu	9597657	45	43	4.5%	9597668	22	20	9.5%	9597682	7	8	13.3%	9597695	63	62	1.6%
Dy	9597657	4.01	4.58	13.3%	9597668	0.327	0.321	1.9%	9597682	2.04	2.24	9.3%	9597695	0.98	0.98	0.0%
Er	9597657	1.80	2.03	12.0%	9597668	0.175	0.190	8.2%	9597682	1.08	1.24	13.8%	9597695	0.652	0.679	4.1%
Eu	9597657	1.78	1.98	10.6%	9597668	0.12	0.12	0.0%	9597682	0.859	0.866	0.8%	9597695	0.595	0.652	9.1%
Fe	9597657	6.05	5.95	1.7%	9597668	10.1	10.2	1.0%	9597682	4.38	4.18	4.7%	9597695	6.98	7.32	4.8%
Ga	9597657	9.44	9.14	3.2%	9597668	23.8	23.4	1.7%	9597682	19.5	19.4	0.5%	9597695	16.3	16.5	1.2%
Gd	9597657	6.75	7.23	6.9%	9597668	0.340	0.346	1.7%	9597682	2.79	3.12	11.2%	9597695	0.86	0.86	0.0%
Ge	9597657	2	2	0.0%	9597668	< 1	< 1	0.0%	9597682	1	1	0.0%	9597695	1	2	
Hf	9597657	1	1	0.0%	9597668	< 1	< 1	0.0%	9597682	2	3		9597695	1	< 1	
Ho	9597657	0.72	0.78	8.0%	9597668	0.064	0.070	9.0%	9597682	0.42	0.45	6.9%	9597695	0.227	0.236	3.9%
In	9597657	0.5	0.5	0.0%	9597668	< 0.2	< 0.2	0.0%	9597682	< 0.2	< 0.2	0.0%	9597695	< 0.2	< 0.2	0.0%
K	9597657	1.48	1.58	6.5%	9597668	0.29	0.29	0.0%	9597682	1.13	1.09	3.6%	9597695	1.43	1.43	0.0%
La	9597657	47.1	53.3	12.4%	9597668	2.35	2.34	0.4%	9597682	23.9	27.1	12.5%	9597695	3.10	3.15	1.6%
Li	9597657	54	56	3.6%	9597668	99	102	3.0%	9597682	53	49	7.8%	9597695	70	67	4.4%
Lu	9597657	0.234	0.260	10.5%	9597668	< 0.05	< 0.05	0.0%	9597682	0.193	0.217	11.7%	9597695	0.13	0.13	0.0%
Mg	9597657	1.47	1.35	8.5%	9597668	6.51	6.47	0.6%	9597682	1.79	1.79	0.0%	9597695	4.33	4.11	5.2%
Mn	9597657	412	411	0.2%	9597668	2050	2020	1.5%	9597682	828	837	1.1%	9597695	1300	1290	0.8%
Mo	9597657	17	16	6.1%	9597668	8	8	0.0%	9597682	10	11	9.5%	9597695	3	3	0.0%



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

Nb	9597657	2	2	0.0%	9597668	< 1	< 1	0.0%	9597682	7	7	0.0%	9597695	1	1	0.0%
Nd	9597657	39.8	44.7	11.6%	9597668	1.95	1.86	4.7%	9597682	19.0	21.9	14.2%	9597695	3.00	3.18	5.8%
Ni	9597657	49	44	10.8%	9597668	190	181	4.9%	9597682	57	58	1.7%	9597695	85	82	3.6%
P	9597657	0.09	0.09	0.0%	9597668	0.02	0.02	0.0%	9597682	0.065	0.069	6.0%	9597695	< 0.01	< 0.01	0.0%
Pb	9597657	22	28	24.0%	9597668	< 5	< 5	0.0%	9597682	18	16	11.8%	9597695	37	37	0.0%
Pr	9597657	10.4	11.7	11.8%	9597668	0.529	0.515	2.7%	9597682	5.56	6.26	11.8%	9597695	0.744	0.787	5.6%
Rb	9597657	60.1	62.1	3.3%	9597668	11.2	11.0	1.8%	9597682	61.8	65.6	6.0%	9597695	117	120	2.5%
S	9597657	0.01	0.02		9597668	0.06	0.05	18.2%	9597682	0.01	0.02		9597695	0.137	0.128	6.8%
Sb	9597657	0.93	0.83	11.4%	9597668	< 0.1	< 0.1	0.0%	9597682	0.15	0.16	6.5%	9597695	0.1	0.1	0.0%
Sc	9597657	6	6	0.0%	9597668	< 5	< 5	0.0%	9597682	13	14	7.4%	9597695	23	22	4.4%
Si	9597657	37.2	36.9	0.8%	9597668	25.5	26.0	1.9%	9597682	34.0	32.6	4.2%	9597695	23.9	24.3	1.7%
Sm	9597657	7.41	8.35	11.9%	9597668	0.4	0.4	0.0%	9597682	3.25	3.61	10.5%	9597695	0.8	0.9	11.8%
Sn	9597657	15	16	6.5%	9597668	5	7		9597682	7	6	15.4%	9597695	7	7	0.0%
Sr	9597657	34.7	33.4	3.8%	9597668	49.7	50.7	2.0%	9597682	365	394	7.6%	9597695	316	309	2.2%
Ta	9597657	< 0.5	< 0.5	0.0%	9597668	< 0.5	< 0.5	0.0%	9597682	0.8	0.8	0.0%	9597695	< 0.5	< 0.5	0.0%
Tb	9597657	0.831	0.950	13.4%	9597668	0.056	0.051	9.3%	9597682	0.39	0.43	9.8%	9597695	0.16	0.16	0.0%
Th	9597657	2.42	2.58	6.4%	9597668	1.2	1.2	0.0%	9597682	10.4	11.2	7.4%	9597695	1.50	1.43	4.8%
Ti	9597657	0.135	0.129	4.5%	9597668	0.07	0.07	0.0%	9597682	0.313	0.304	2.9%	9597695	0.44	0.45	2.2%
Tl	9597657	0.5	0.5	0.0%	9597668	< 0.5	< 0.5	0.0%	9597682	0.5	0.5	0.0%	9597695	0.8	0.8	0.0%
Tm	9597657	0.25	0.27	7.7%	9597668	< 0.05	< 0.05	0.0%	9597682	0.172	0.210	19.9%	9597695	0.11	0.11	0.0%
U	9597657	4.98	5.18	3.9%	9597668	0.406	0.392	3.5%	9597682	3.42	3.81	10.8%	9597695	0.515	0.508	1.4%
V	9597657	81	80	1.2%	9597668	105	102	2.9%	9597682	103	108	4.7%	9597695	192	188	2.1%
W	9597657	16	15	6.5%	9597668	< 1	< 1	0.0%	9597682	< 1	< 1	0.0%	9597695	< 1	< 1	0.0%
Y	9597657	20.4	23.4	13.7%	9597668	1.8	1.8	0.0%	9597682	11.6	13.1	12.1%	9597695	6.4	6.5	1.6%
Yb	9597657	1.6	1.7	6.1%	9597668	0.2	0.2	0.0%	9597682	1.2	1.4	15.4%	9597695	0.8	0.8	0.0%
Zn	9597657	75	92	20.4%	9597668	257	266	3.4%	9597682	77	75	2.6%	9597695	125	130	3.9%
Zr	9597657	58.4	56.2	3.8%	9597668	24.4	22.6	7.7%	9597682	89.7	95.0	5.7%	9597695	33.7	33.3	1.2%

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	9597657	0.066	0.069	4.4%	9597668	< 0.001	< 0.001	0.0%	9597682	< 0.001	< 0.001	0.0%	9597695	< 0.001	< 0.001	0.0%
Pd	9597657	0.001	0.001	0.0%	9597668	< 0.001	< 0.001	0.0%	9597682	0.0014	0.0015	6.9%	9597695	0.001	< 0.001	
Pt	9597657	< 0.005	< 0.005	0.0%	9597668	< 0.005	< 0.005	0.0%	9597682	< 0.005	< 0.005	0.0%	9597695	< 0.005	< 0.005	0.0%



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.Till-2)				CRM #3 (ref.PG129)							
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Al	10.95	10.97	100%	90% - 110%	8.47	8.14	96%	90% - 110%								
As					26	25	94%	90% - 110%	25	27	109%	90% - 110%				
Ba	340	318	94%	90% - 110%	540	497	92%	90% - 110%								
Be	2.6	3.4	130%	90% - 110%	4.0	4	99%	90% - 110%								
Ca	5.72	5.68	99%	90% - 110%	0.907	0.902	99%	90% - 110%								
Ce	122	123	101%	90% - 110%	98	108	110%	90% - 110%								
Co	2.8	2.4	84%	90% - 110%	15	14	96%	90% - 110%	1202	1240	103%	90% - 110%				
Cs	1.5	1.6	104%	90% - 110%												
Cu					150	147	98%	90% - 110%	15414	14336	93%	90% - 110%				
Dy	18.2	18.2	100%	90% - 110%												
Er	14.2	14.2	100%	90% - 110%	3.7	4	107%	90% - 110%								
Eu	2.0	2	100%	90% - 110%	1.0	1.1	105%	90% - 110%								
Fe	4.34	4.26	98%	90% - 110%	3.77	3.7	98%	90% - 110%								
Ga	35	35	100%	90% - 110%												
Gd	14	14	100%	90% - 110%												
Hf	10.6	10.6	100%	90% - 110%	11	10	92%	90% - 110%								
Ho	4.3	4.3	100%	90% - 110%												
K	1.37	1.43	104%	90% - 110%	2.55	2.47	97%	90% - 110%								
La	58	58	100%	90% - 110%	44	49	111%	90% - 110%								
Li	37	38	102%	90% - 110%	47	45	96%	90% - 110%								
Lu	2.1	2.3	109%	90% - 110%	0.6	0.6	101%	90% - 110%								
Mg	0.325	0.305	94%	90% - 110%	1.1	1	94%	90% - 110%								
Mn	836	787	94%	90% - 110%	780	723	93%	90% - 110%								
Mo					14	13	94%	90% - 110%								
Nb	13	14	106%	90% - 110%	20	19	95%	90% - 110%								
Nd	57	57	100%	90% - 110%												
Ni	9	8	84%	90% - 110%	32	33	103%	90% - 110%	23610	21760	92%	90% - 110%				
Pb	10	10	101%	90% - 110%	31	32	103%	90% - 110%	41	43	105%	90% - 110%				
Pr	15.0	15	100%	90% - 110%												
Rb	55	55	100%	90% - 110%	144	150	104%	90% - 110%								
Sb					0.8	0.8	98%	90% - 110%								



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

Sc					12	11	96%	90% - 110%								
Si	23.3	23.6	101%	90% - 110%	28.4	28.5	100%	90% - 110%								
Sm	12.7	12.7	100%	90% - 110%	7.4	7.9	106%	90% - 110%								
Sn	7.1	7	99%	90% - 110%												
Sr	1191	1121	94%	90% - 110%	144	138	96%	90% - 110%								
Ta	0.9	1	108%	90% - 110%	1.9	1.7	89%	90% - 110%								
Tb	2.6	2.7	104%	90% - 110%	1.2	1.2	100%	90% - 110%								
Th	1.4	1.4	103%	90% - 110%	18.4	20.1	109%	90% - 110%								
Ti	0.172	0.17	99%	90% - 110%	0.527	0.506	96%	90% - 110%								
Tm	2.3	2.3	100%	90% - 110%												
U	0.8	0.8	97%	90% - 110%	5.7	5.8	101%	90% - 110%								
V	8	6	77%	90% - 110%	77	75	98%	90% - 110%								
W					5	5	109%	90% - 110%								
Y	119	123	103%	90% - 110%	40	40	99%	90% - 110%								
Yb	14.8	15.8	107%	90% - 110%												
Zn	93	95	102%	90% - 110%	130	127	98%	90% - 110%	90	88	98%	90% - 110%				
Zr	517	564	109%	90% - 110%	390	382	98%	90% - 110%								

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

Parameter	CRM #1 (ref.PG129)				CRM #2 (ref.PG129)				CRM #3 (ref.PG129)							
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Au	1.1	1.1	97%	90% - 110%	1.1	1.2	106%	90% - 110%	1.1	1.2	105%	90% - 110%				
Pd	0.115	0.12	104%	90% - 110%	0.115	0.124	107%	90% - 110%	0.115	0.124	108%	90% - 110%				
Pt	0.239	0.221	93%	90% - 110%	0.239	0.261	109%	90% - 110%	0.239	0.254	106%	90% - 110%				



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T392876

PROJECT:

ATTENTION TO: GUY EUGENE RICHARD

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T392876

PROJECT:

ATTENTION TO: GUY EUGENE RICHARD

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pd	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pt	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES



CLIENT NAME: CREELMAN GOLD CORP  
1886 PENAGE LAKE RD  
WHITEFISH, ON P0M 3E0  
705-207-8616

ATTENTION TO: GUY EUGENE RICHARD, RYAN MCILVENNA

PROJECT:

AGAT WORK ORDER: 18T395362

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Oct 29, 2018

PAGES (INCLUDING COVER): 23

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

\*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



## Certificate of Analysis

AGAT WORK ORDER: 18T395362

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD, RYAN MCILVENNA

### (200-) Sample Login Weight

DATE SAMPLED: Oct 09, 2018

DATE RECEIVED: Oct 10, 2018

DATE REPORTED: Oct 29, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
191 (9613298)		1.31
192 (9613299)		1.64
193 (9613300)		0.87
194 (9613301)		0.89
195 (9613302)		1.79
196 (9613303)		1.03
197 (9613304)		1.18
198 (9613305)		2.42
199 (9613306)		1.24
200 (9613307)		1.30
201 (9613308)		2.13
202 (9613309)		1.26
203 (9613310)		0.88
204 (9613311)		1.43
205 (9613312)		1.33
206 (9613313)		2.11
207 (9613314)		2.07
208 (9613315)		1.70
209 (9613316)		1.17
210 (9613317)		1.15
211 (9613318)		1.25
212 (9613319)		2.94
213 (9613320)		2.48
214 (9613321)		1.82
215 (9613322)		1.64
216 (9613323)		1.39
217 (9613324)		1.43
218 (9613325)		1.50
219 (9613326)		1.03
220 (9613327)		1.32
221 (9613328)		1.51

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 18T395362

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD, RYAN MCILVENNA

### (200-) Sample Login Weight

DATE SAMPLED: Oct 09, 2018

DATE RECEIVED: Oct 10, 2018

DATE REPORTED: Oct 29, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
222 (9613329)		2.33
223 (9613330)		1.06
224 (9613331)		1.73
225 (9613332)		1.71
226 (9613333)		1.78
227 (9613334)		2.98
228 (9613335)		2.17
229 (9613336)		2.49
230 (9613337)		1.62
231 (9613338)		1.28
232 (9613339)		1.93

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T395362

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD, RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 09, 2018

DATE RECEIVED: Oct 10, 2018

DATE REPORTED: Oct 29, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5
191 (9613298)		<1	6.92	29	<20	111	<5	1.3	5.70	<0.2	23.9	117	0.019	0.5	797
192 (9613299)		<1	7.40	14	<20	94.2	<5	1.1	6.03	<0.2	28.2	79.1	0.014	0.5	502
193 (9613300)		<1	1.64	10	<20	9.0	<5	2.3	2.57	<0.2	1.5	67.4	0.028	<0.1	662
194 (9613301)		<1	3.99	8	<20	10.6	<5	4.3	6.17	<0.2	3.5	65.3	0.023	0.1	716
195 (9613302)		<1	7.19	6	<20	189	6	2.7	1.36	1.1	36.7	23.4	0.018	1.6	304
196 (9613303)		<1	3.71	5	<20	89.5	<5	0.9	0.59	0.6	13.2	6.2	0.023	0.7	85
197 (9613304)		<1	8.14	<5	<20	657	9	1.8	3.52	<0.2	4.5	39.2	0.020	14.6	136
198 (9613305)		<1	7.60	<5	<20	492	7	2.7	8.34	<0.2	10.8	38.5	0.025	10.4	84
199 (9613306)		<1	7.07	5	<20	176	7	4.2	7.63	<0.2	13.1	81.2	0.020	4.8	267
200 (9613307)		<1	7.47	6	<20	404	6	4.7	6.03	<0.2	13.9	96.3	0.023	14.5	116
201 (9613308)		<1	7.69	<5	<20	156	7	3.3	8.49	<0.2	11.9	55.9	0.018	3.9	113
202 (9613309)		<1	7.66	6	<20	205	7	3.7	6.95	<0.2	11.8	76.8	0.018	5.6	257
203 (9613310)		<1	6.39	16	<20	185	6	8.6	7.22	<0.2	12.2	129	0.021	5.0	606
204 (9613311)		<1	7.52	<5	<20	691	<5	0.8	1.50	<0.2	39.5	16.8	0.018	5.2	26
205 (9613312)		<1	7.54	<5	<20	830	<5	0.3	1.46	<0.2	41.3	20.4	0.023	6.5	18
206 (9613313)		<1	7.92	<5	<20	782	<5	0.2	1.63	<0.2	48.2	18.4	0.020	4.8	19
207 (9613314)		<1	7.39	<5	<20	731	<5	0.3	1.47	<0.2	38.7	18.5	0.019	4.5	13
208 (9613315)		<1	7.77	34	<20	789	<5	0.2	1.30	<0.2	42.7	21.0	0.018	4.4	21
209 (9613316)		<1	7.95	14	<20	798	<5	0.3	1.32	<0.2	45.7	20.8	0.020	4.7	16
210 (9613317)		<1	8.26	8	<20	846	<5	0.2	1.36	<0.2	50.0	18.9	0.019	5.0	15
211 (9613318)		<1	8.69	6	<20	968	<5	0.2	1.38	<0.2	58.3	21.7	0.020	6.0	13
212 (9613319)		1	8.61	12	<20	1580	<5	1.8	4.09	<0.2	132	39.4	0.012	15.5	34
213 (9613320)		<1	8.08	36	<20	1420	<5	2.9	5.39	0.3	124	63.4	0.011	14.5	157
214 (9613321)		<1	8.93	26	<20	1760	<5	1.1	2.89	<0.2	143	52.6	0.012	16.1	16
215 (9613322)		<1	8.26	15	<20	1610	<5	0.8	2.49	<0.2	137	47.0	0.012	14.7	12
216 (9613323)		<1	8.34	6	<20	799	<5	0.3	1.21	<0.2	43.9	40.9	0.017	8.1	114
217 (9613324)		<1	8.39	<5	<20	798	<5	0.2	0.97	<0.2	32.9	29.5	0.014	9.3	62
218 (9613325)		<1	7.00	<5	<20	566	<5	0.2	1.28	<0.2	32.9	22.0	0.020	6.0	35
219 (9613326)		26	2.40	<5	<20	354	<5	0.6	0.47	<0.2	5.6	4.3	0.022	2.3	392
220 (9613327)		5	9.33	<5	<20	1100	<5	0.3	2.25	<0.2	50.8	23.3	0.022	7.3	271
221 (9613328)		3	8.19	<5	<20	107	5	3.1	5.99	0.6	35.9	52.3	0.014	0.8	2580
222 (9613329)		2	10.2	<5	<20	85.5	<5	6.6	10.5	0.3	29.2	22.9	0.012	0.7	409

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T395362

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD, RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 09, 2018

DATE RECEIVED: Oct 10, 2018

DATE REPORTED: Oct 29, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5
223 (9613330)		<1	2.59	6	<20	958	<5	0.5	1.38	<0.2	3.4	2.1	0.017	0.3	36
224 (9613331)		2	6.10	8	25	785	<5	0.9	3.94	<0.2	7.0	21.3	0.021	0.6	141
225 (9613332)		<1	7.07	36	31	824	<5	0.8	4.52	0.3	9.0	47.7	0.013	0.7	355
226 (9613333)		<1	8.25	14	<20	583	<5	0.2	7.45	0.4	8.1	64.1	<0.005	6.8	97
227 (9613334)		<1	8.92	7	<20	1450	<5	0.2	5.01	0.3	10.6	37.1	<0.005	5.1	26
228 (9613335)		1	7.33	6	<20	229	<5	0.3	6.60	0.3	13.6	51.6	0.013	1.3	139
229 (9613336)		<1	7.23	6	<20	253	<5	0.3	6.47	0.3	14.3	51.1	0.013	1.6	149
230 (9613337)		<1	7.42	6	<20	328	<5	0.6	6.72	<0.2	15.9	69.5	0.019	1.9	212
231 (9613338)		<1	7.60	6	<20	327	15	0.9	6.78	<0.2	14.5	44.8	0.021	2.4	83
232 (9613339)		<1	7.11	7	<20	383	<5	0.7	6.36	0.5	20.7	47.9	0.013	0.8	248

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T395362

PROJECT:

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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD, RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 09, 2018

DATE RECEIVED: Oct 10, 2018

DATE REPORTED: Oct 29, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
191 (9613298)		2.88	1.89	0.92	8.44	13.8	2.96	<1	2	0.65	<0.2	0.40	11.9	22	0.28
192 (9613299)		3.25	2.04	1.06	8.79	15.2	3.55	1	2	0.71	<0.2	0.49	13.7	28	0.33
193 (9613300)		0.41	0.42	0.14	3.73	6.28	0.41	1	<1	0.11	0.2	0.09	0.8	<10	0.16
194 (9613301)		0.89	0.87	0.29	6.75	14.3	0.76	2	<1	0.24	0.4	0.10	1.7	12	0.34
195 (9613302)		4.11	2.78	1.13	2.68	14.9	4.03	1	4	0.89	<0.2	0.67	17.5	27	0.46
196 (9613303)		1.59	1.18	0.37	1.41	7.93	1.44	<1	2	0.37	<0.2	0.41	6.1	18	0.20
197 (9613304)		1.63	1.12	0.50	6.43	17.8	1.26	2	<1	0.36	<0.2	2.42	2.0	78	0.16
198 (9613305)		3.51	2.34	0.96	9.75	23.1	2.91	4	1	0.76	<0.2	1.82	4.8	64	0.38
199 (9613306)		3.74	2.59	0.95	9.93	21.3	3.37	3	2	0.89	<0.2	0.81	5.7	31	0.46
200 (9613307)		3.23	2.36	0.83	10.3	21.0	2.95	2	2	0.77	<0.2	1.72	6.2	59	0.37
201 (9613308)		3.76	2.63	0.94	9.38	21.8	3.35	3	2	0.90	<0.2	0.76	5.1	27	0.46
202 (9613309)		4.07	2.89	0.99	9.73	18.9	3.60	2	2	0.96	<0.2	0.96	4.8	32	0.45
203 (9613310)		2.86	1.97	0.69	12.9	20.1	2.67	2	2	0.64	<0.2	0.81	5.6	28	0.34
204 (9613311)		2.03	1.19	0.83	3.57	17.5	2.67	1	4	0.43	<0.2	2.06	20.0	67	0.21
205 (9613312)		2.35	1.41	1.00	4.21	18.5	3.03	2	4	0.50	<0.2	2.40	20.1	79	0.23
206 (9613313)		2.99	1.72	1.20	3.85	18.7	3.94	2	3	0.63	<0.2	2.01	23.5	62	0.26
207 (9613314)		2.59	1.61	0.99	3.49	17.9	3.20	2	3	0.55	<0.2	1.85	18.4	56	0.26
208 (9613315)		2.66	1.64	0.96	4.25	19.8	3.44	1	3	0.56	<0.2	2.32	20.3	87	0.27
209 (9613316)		2.75	1.67	1.04	4.49	19.6	3.57	1	3	0.61	<0.2	2.45	21.0	89	0.27
210 (9613317)		2.92	1.72	1.12	4.47	18.8	3.69	1	3	0.58	<0.2	2.73	24.2	87	0.27
211 (9613318)		3.01	1.68	1.33	4.91	21.1	4.04	2	4	0.62	<0.2	2.86	28.0	92	0.26
212 (9613319)		7.62	3.44	4.31	11.9	35.0	12.0	2	6	1.41	<0.2	4.35	56.8	106	0.41
213 (9613320)		7.39	3.41	4.24	11.1	35.7	11.5	3	6	1.40	<0.2	3.97	54.2	105	0.43
214 (9613321)		8.43	4.14	4.51	12.4	33.6	13.3	2	7	1.56	<0.2	4.56	61.6	114	0.64
215 (9613322)		7.85	4.50	4.02	10.8	30.0	12.5	2	7	1.63	<0.2	4.09	59.8	105	0.70
216 (9613323)		1.99	1.11	1.34	8.69	27.1	2.82	1	3	0.41	<0.2	2.55	21.0	98	0.15
217 (9613324)		1.48	0.77	0.63	10.3	27.5	2.26	1	2	0.29	<0.2	2.95	16.5	116	0.12
218 (9613325)		1.54	0.89	0.72	7.28	21.3	2.22	1	2	0.31	<0.2	1.97	16.3	75	0.14
219 (9613326)		0.25	0.18	0.17	2.25	6.44	0.39	<1	<1	0.06	<0.2	0.89	2.6	21	<0.05
220 (9613327)		2.26	1.42	1.20	5.98	21.2	3.30	1	5	0.46	<0.2	2.61	22.1	63	0.24
221 (9613328)		4.03	2.64	1.33	8.22	21.5	4.17	2	2	0.92	<0.2	0.56	18.2	28	0.40
222 (9613329)		3.77	2.42	1.43	9.95	37.7	3.97	4	2	0.84	<0.2	0.79	14.7	21	0.40

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T395362

PROJECT:

5623 McADAM ROAD  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD, RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 09, 2018

DATE RECEIVED: Oct 10, 2018

DATE REPORTED: Oct 29, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
223 (9613330)		1.15	0.97	0.35	1.32	5.39	0.64	<1	<1	0.30	<0.2	0.62	2.0	<10	0.13
224 (9613331)		0.77	0.47	0.67	3.27	13.2	0.76	1	<1	0.18	<0.2	0.88	4.4	17	0.06
225 (9613332)		1.02	0.74	0.79	4.46	17.3	0.98	2	<1	0.25	<0.2	1.07	6.5	18	0.11
226 (9613333)		1.14	0.70	0.48	11.2	20.3	1.19	1	<1	0.24	<0.2	1.51	4.1	58	0.12
227 (9613334)		1.58	1.08	1.93	7.06	16.2	1.56	1	<1	0.37	<0.2	2.90	5.3	54	0.16
228 (9613335)		5.05	3.32	1.15	11.3	18.2	4.31	2	2	1.15	<0.2	0.75	5.1	42	0.54
229 (9613336)		5.24	3.51	1.17	11.3	17.9	4.55	2	2	1.19	<0.2	0.81	5.3	42	0.55
230 (9613337)		4.70	3.16	1.24	9.96	19.6	4.37	2	2	1.08	<0.2	0.99	6.5	45	0.49
231 (9613338)		4.30	2.68	1.17	9.44	19.4	3.88	2	2	0.96	<0.2	1.12	5.9	47	0.42
232 (9613339)		5.63	3.82	1.51	8.17	23.8	4.91	2	3	1.27	<0.2	0.57	8.9	26	0.62

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T395362

PROJECT:

5623 McADAM ROAD  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD, RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 09, 2018	DATE RECEIVED: Oct 10, 2018					DATE REPORTED: Oct 29, 2018					SAMPLE TYPE: Rock				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
191 (9613298)	1.57	812	10	5	12.7	30	0.03	17	2.99	13.4	1.82	0.4	22	25.4	
192 (9613299)	1.85	963	6	4	15.2	27	0.04	11	3.53	15.0	1.17	0.3	27	25.5	
193 (9613300)	0.61	297	21	<1	1.0	71	<0.01	8	0.20	0.7	1.12	0.1	<5	40.6	
194 (9613301)	1.35	671	13	<1	2.4	95	0.03	8	0.48	1.8	1.36	0.2	7	32.4	
195 (9613302)	0.38	261	11	5	16.8	26	0.01	64	4.24	25.7	0.84	0.1	<5	34.9	
196 (9613303)	0.30	124	14	3	5.9	14	0.02	50	1.52	13.7	0.19	0.1	<5	38.6	
197 (9613304)	2.67	1030	35	2	2.9	71	0.02	12	0.61	166	0.92	<0.1	25	26.0	
198 (9613305)	3.90	1840	11	2	7.4	102	0.03	18	1.46	122	0.45	0.2	45	22.2	
199 (9613306)	2.97	1640	7	3	9.0	86	0.04	15	1.83	54.3	2.85	0.7	35	22.2	
200 (9613307)	2.79	1330	10	4	8.6	96	0.05	13	1.86	142	3.14	0.1	34	23.3	
201 (9613308)	2.86	1640	9	3	8.3	79	0.04	15	1.74	44.6	1.45	0.2	35	24.5	
202 (9613309)	2.68	1470	5	3	9.1	82	0.04	14	1.74	64.2	2.74	0.2	38	23.5	
203 (9613310)	2.71	1560	9	2	7.8	100	0.04	15	1.58	55.1	5.91	0.2	29	22.0	
204 (9613311)	1.60	738	7	7	17.2	44	0.04	7	4.51	96.3	0.08	0.1	11	30.8	
205 (9613312)	1.96	843	8	6	18.5	54	0.05	8	4.84	122	0.03	0.2	13	29.9	
206 (9613313)	1.54	761	7	6	23.0	46	0.06	6	5.81	99.5	0.10	0.1	14	31.3	
207 (9613314)	1.44	704	7	7	17.8	46	0.05	6	4.51	96.4	0.07	<0.1	13	31.1	
208 (9613315)	1.83	825	6	6	19.4	57	0.05	6	4.92	119	0.07	0.2	14	30.0	
209 (9613316)	1.94	876	7	7	20.1	61	0.05	6	5.28	121	0.03	<0.1	14	30.0	
210 (9613317)	1.94	840	5	6	21.8	62	0.06	6	5.70	124	0.05	<0.1	16	30.7	
211 (9613318)	2.18	930	5	7	25.5	65	0.06	5	6.66	139	0.03	<0.1	16	28.7	
212 (9613319)	4.31	4140	<2	53	73.8	84	0.41	31	17.2	274	0.31	0.5	32	19.0	
213 (9613320)	4.15	2540	<2	59	71.3	72	0.39	33	16.2	257	0.87	0.9	31	18.7	
214 (9613321)	4.51	4190	<2	55	79.8	120	0.45	31	18.6	288	0.34	0.3	36	19.2	
215 (9613322)	4.02	3890	<2	52	78.7	107	0.41	27	18.0	258	0.23	0.2	33	20.0	
216 (9613323)	4.39	1890	5	7	19.2	138	0.05	34	5.00	145	0.26	<0.1	12	24.4	
217 (9613324)	5.38	2140	4	5	15.0	177	0.05	25	3.83	158	0.25	<0.1	8	24.1	
218 (9613325)	3.69	1570	8	4	14.9	113	0.04	22	3.75	107	0.08	0.1	9	27.8	
219 (9613326)	0.81	299	12	3	2.5	31	0.02	12	0.65	44.6	0.03	<0.1	<5	42.1	
220 (9613327)	2.33	1300	7	15	24.6	75	0.15	41	6.24	141	0.06	<0.1	19	28.2	
221 (9613328)	2.19	1280	3	3	18.1	30	0.05	10	4.26	23.0	0.72	<0.1	33	26.8	
222 (9613329)	1.92	1460	<2	3	14.9	16	0.05	12	3.62	43.2	0.05	0.2	35	21.7	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T395362

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD, RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 09, 2018

DATE RECEIVED: Oct 10, 2018

DATE REPORTED: Oct 29, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg % 0.01	Mn ppm 10	Mo ppm 2	Nb ppm 1	Nd ppm 0.1	Ni ppm 5	P % 0.01	Pb ppm 5	Pr ppm 0.05	Rb ppm 0.2	S % 0.01	Sb ppm 0.1	Sc ppm 5	Si % 0.01
223 (9613330)		0.03	109	10	<1	1.5	6	<0.01	19	0.40	21.0	0.04	0.1	<5	43.0
224 (9613331)		0.38	329	10	<1	3.2	21	0.01	45	0.84	41.8	0.36	0.3	6	34.3
225 (9613332)		0.35	331	8	2	4.3	44	<0.01	60	1.00	55.1	0.54	0.3	<5	33.3
226 (9613333)		4.34	1480	<2	<1	4.1	50	<0.01	20	0.97	116	0.18	0.1	39	21.5
227 (9613334)		3.45	1350	<2	3	5.2	47	<0.01	18	1.28	209	0.02	0.2	24	24.5
228 (9613335)		3.27	1810	5	4	11.0	62	0.05	24	2.03	28.9	0.40	0.1	43	23.6
229 (9613336)		3.31	1880	4	4	11.3	62	0.05	27	2.13	33.5	0.45	0.1	43	23.6
230 (9613337)		3.78	1610	8	4	12.4	91	0.05	12	2.42	49.5	0.47	0.3	41	23.2
231 (9613338)		3.70	1600	9	3	10.8	79	0.04	11	2.13	58.9	0.14	0.2	38	23.8
232 (9613339)		2.41	1280	4	5	13.7	44	0.06	43	2.77	22.1	0.84	0.4	39	22.4

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T395362

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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD, RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 09, 2018

DATE RECEIVED: Oct 10, 2018

DATE REPORTED: Oct 29, 2018

SAMPLE TYPE: Rock

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
191 (9613298)	2.8	<1	261	<0.5	0.47	2.3	0.38	0.5	0.28	1.13	146	5	19.3	1.9
192 (9613299)	3.5	<1	253	<0.5	0.55	2.5	0.41	<0.5	0.31	1.10	181	1	20.7	2.0
193 (9613300)	0.2	<1	60.7	<0.5	0.06	<0.1	0.09	0.5	0.08	<0.05	72	<1	3.6	0.7
194 (9613301)	0.6	<1	143	<0.5	0.14	<0.1	0.18	<0.5	0.17	0.07	153	<1	7.2	1.4
195 (9613302)	3.8	<1	160	0.6	0.66	9.0	0.12	<0.5	0.40	2.21	44	<1	25.3	2.6
196 (9613303)	1.3	<1	79.0	<0.5	0.24	4.9	0.05	<0.5	0.16	1.24	19	<1	10.0	1.2
197 (9613304)	1.0	<1	319	<0.5	0.25	0.6	0.27	1.8	0.18	0.59	149	<1	10.1	1.1
198 (9613305)	2.2	<1	432	<0.5	0.51	0.4	0.50	1.4	0.35	0.44	311	<1	21.4	2.3
199 (9613306)	2.5	<1	427	<0.5	0.62	0.7	0.58	0.6	0.38	0.73	265	<1	23.7	2.6
200 (9613307)	2.5	<1	413	<0.5	0.53	1.8	0.57	1.6	0.36	1.35	190	<1	21.5	2.3
201 (9613308)	2.6	<1	444	<0.5	0.59	0.7	0.62	<0.5	0.38	0.73	264	1	24.0	2.6
202 (9613309)	2.7	<1	350	<0.5	0.63	0.5	0.68	0.7	0.41	0.42	273	1	25.5	2.7
203 (9613310)	2.1	<1	388	<0.5	0.46	1.4	0.47	0.6	0.33	0.90	232	<1	18.5	2.1
204 (9613311)	3.0	<1	316	0.6	0.39	7.8	0.24	0.9	0.17	3.02	89	<1	12.5	1.3
205 (9613312)	3.6	<1	294	0.6	0.44	6.8	0.29	1.2	0.22	2.50	95	<1	13.7	1.3
206 (9613313)	4.2	<1	345	<0.5	0.57	5.6	0.31	0.9	0.25	2.12	104	<1	18.3	1.6
207 (9613314)	3.3	<1	298	0.8	0.49	5.9	0.27	0.9	0.22	1.95	92	<1	15.7	1.5
208 (9613315)	3.6	<1	261	0.6	0.53	6.5	0.32	1.0	0.23	2.28	105	<1	16.7	1.6
209 (9613316)	3.7	<1	260	0.7	0.52	8.9	0.33	1.2	0.27	2.54	106	<1	17.2	1.7
210 (9613317)	4.1	<1	265	0.6	0.54	7.0	0.34	1.1	0.25	2.14	111	<1	16.9	1.6
211 (9613318)	4.8	<1	261	0.7	0.58	9.0	0.35	1.3	0.27	2.59	117	<1	17.4	1.6
212 (9613319)	14.1	<1	580	2.9	1.63	4.8	2.30	2.6	0.47	2.83	331	1	36.3	2.7
213 (9613320)	13.1	<1	655	2.8	1.54	4.5	2.20	2.4	0.44	1.59	347	4	36.9	2.7
214 (9613321)	15.4	<1	448	3.2	1.76	4.9	2.63	2.7	0.60	5.28	282	<1	43.2	3.9
215 (9613322)	14.8	2	367	3.3	1.67	5.0	2.42	2.5	0.68	4.65	248	<1	43.6	4.3
216 (9613323)	3.3	1	254	0.6	0.41	7.5	0.31	1.3	0.16	2.40	130	<1	11.4	1.1
217 (9613324)	2.5	<1	189	<0.5	0.29	5.2	0.21	1.6	0.10	1.77	126	<1	8.1	0.7
218 (9613325)	2.7	<1	274	<0.5	0.31	5.0	0.19	1.0	0.13	2.22	97	<1	8.9	0.8
219 (9613326)	0.4	<1	102	<0.5	0.05	2.3	0.13	<0.5	<0.05	0.52	43	<1	1.7	0.3
220 (9613327)	4.1	<1	477	1.1	0.47	9.5	0.75	1.4	0.21	3.05	155	<1	12.1	1.4
221 (9613328)	4.0	<1	631	<0.5	0.67	3.0	0.45	<0.5	0.37	1.18	219	17	26.0	2.3
222 (9613329)	3.6	2	1370	<0.5	0.62	3.0	0.48	<0.5	0.35	1.09	285	<1	24.3	2.3

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 18T395362

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD, RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 09, 2018

DATE RECEIVED: Oct 10, 2018

DATE REPORTED: Oct 29, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti %	Tl ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm
		0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
223 (9613330)		0.3	<1	286	<0.5	0.16	0.9	<0.01	<0.5	0.14	0.27	22	11	9.2	0.9
224 (9613331)		0.7	<1	850	<0.5	0.13	0.3	0.12	<0.5	0.07	0.76	66	24	5.1	0.4
225 (9613332)		0.9	3	1120	<0.5	0.17	0.7	0.02	<0.5	0.11	0.87	71	8	8.1	0.6
226 (9613333)		1.0	<1	407	<0.5	0.18	0.7	0.86	1.0	0.11	0.23	851	<1	6.8	0.7
227 (9613334)		1.3	<1	350	<0.5	0.26	1.7	0.63	1.5	0.15	0.82	401	<1	10.9	1.0
228 (9613335)		3.4	<1	153	<0.5	0.79	0.5	0.89	<0.5	0.49	0.16	367	<1	31.5	3.2
229 (9613336)		3.5	<1	153	<0.5	0.81	0.5	0.89	<0.5	0.51	0.13	372	<1	32.0	3.3
230 (9613337)		3.7	<1	153	<0.5	0.76	0.6	0.79	<0.5	0.46	0.20	345	2	30.0	3.1
231 (9613338)		2.9	<1	158	<0.5	0.67	0.5	0.68	0.5	0.44	0.20	315	1	26.1	2.7
232 (9613339)		3.9	<1	277	<0.5	0.92	0.7	0.92	<0.5	0.54	0.33	403	1	35.9	3.7

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T395362

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD, RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 09, 2018

DATE RECEIVED: Oct 10, 2018

DATE REPORTED: Oct 29, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit: RDL:	ppm 5	ppm 0.5
191 (9613298)		47	63.0
192 (9613299)		56	70.9
193 (9613300)		24	3.9
194 (9613301)		36	10.0
195 (9613302)		101	130
196 (9613303)		72	68.9
197 (9613304)		139	28.0
198 (9613305)		176	46.6
199 (9613306)		118	62.0
200 (9613307)		137	72.6
201 (9613308)		118	61.8
202 (9613309)		128	66.9
203 (9613310)		127	55.3
204 (9613311)		84	136
205 (9613312)		102	124
206 (9613313)		84	124
207 (9613314)		78	114
208 (9613315)		89	124
209 (9613316)		98	136
210 (9613317)		97	115
211 (9613318)		107	143
212 (9613319)		280	263
213 (9613320)		259	252
214 (9613321)		280	273
215 (9613322)		254	264
216 (9613323)		273	102
217 (9613324)		322	66.6
218 (9613325)		209	68.9
219 (9613326)		53	34.1
220 (9613327)		143	181
221 (9613328)		102	76.9
222 (9613329)		86	81.8

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T395362

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD, RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Oct 09, 2018

DATE RECEIVED: Oct 10, 2018

DATE REPORTED: Oct 29, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
223 (9613330)		11	1.2
224 (9613331)		28	5.0
225 (9613332)		33	1.1
226 (9613333)		136	32.7
227 (9613334)		159	29.3
228 (9613335)		154	85.4
229 (9613336)		172	88.1
230 (9613337)		126	94.0
231 (9613338)		125	79.8
232 (9613339)		128	105

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T395362

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD, RYAN MCILVENNA

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

DATE SAMPLED: Oct 09, 2018	DATE RECEIVED: Oct 10, 2018	DATE REPORTED: Oct 29, 2018	SAMPLE TYPE: Rock
Analyte:	Au	Pd	Pt
Unit:	ppm	ppm	ppm
RDL:	0.001	0.001	0.005
191 (9613298)	0.003	<0.001	<0.005
192 (9613299)	0.002	<0.001	<0.005
193 (9613300)	0.001	<0.001	<0.005
194 (9613301)	0.001	<0.001	<0.005
195 (9613302)	0.005	<0.001	<0.005
196 (9613303)	0.004	<0.001	<0.005
197 (9613304)	0.002	0.007	0.009
198 (9613305)	0.001	0.014	0.017
199 (9613306)	0.005	0.003	<0.005
200 (9613307)	0.003	0.007	<0.005
201 (9613308)	0.002	0.001	<0.005
202 (9613309)	0.005	0.003	<0.005
203 (9613310)	0.019	0.008	<0.005
204 (9613311)	<0.001	0.001	<0.005
205 (9613312)	<0.001	0.001	<0.005
206 (9613313)	<0.001	0.001	<0.005
207 (9613314)	0.003	<0.001	<0.005
208 (9613315)	<0.001	0.001	<0.005
209 (9613316)	<0.001	0.001	<0.005
210 (9613317)	0.001	0.001	<0.005
211 (9613318)	<0.001	0.002	<0.005
212 (9613319)	0.002	0.001	<0.005
213 (9613320)	0.007	<0.001	<0.005
214 (9613321)	0.002	0.001	<0.005
215 (9613322)	0.002	0.001	<0.005
216 (9613323)	0.003	0.001	<0.005
217 (9613324)	<0.001	0.001	<0.005
218 (9613325)	0.002	0.002	<0.005
219 (9613326)	0.030	<0.001	<0.005
220 (9613327)	0.004	0.002	<0.005
221 (9613328)	0.042	0.001	<0.005
222 (9613329)	0.007	<0.001	<0.005

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T395362

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD, RYAN MCILVENNA

### (202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

DATE SAMPLED: Oct 09, 2018

DATE RECEIVED: Oct 10, 2018

DATE REPORTED: Oct 29, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Au	Pd	Pt
	Unit:	ppm	ppm	ppm
	RDL:	0.001	0.001	0.005
223 (9613330)		0.003	<0.001	<0.005
224 (9613331)		0.003	0.002	<0.005
225 (9613332)		0.015	0.004	<0.005
226 (9613333)		0.002	<0.001	<0.005
227 (9613334)		<0.001	<0.001	<0.005
228 (9613335)		0.001	<0.001	<0.005
229 (9613336)		0.005	<0.001	<0.005
230 (9613337)		0.002	<0.001	<0.005
231 (9613338)		<0.001	<0.001	<0.005
232 (9613339)		0.006	<0.001	<0.005

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD, RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9613298	< 1	< 1	0.0%	9613309	< 1	< 1	0.0%	9613321	< 1	< 1	0.0%	9613323	< 1	< 1	0.0%
Al	9613298	6.92	7.26	4.8%	9613309	7.66	7.44	2.9%	9613321	8.93	8.68	2.8%	9613323	8.34	8.39	0.6%
As	9613298	29	23	23.1%	9613309	6	6	0.0%	9613321	26	19		9613323	6	< 5	
B	9613298	< 20	< 20	0.0%	9613309	< 20	< 20	0.0%	9613321	< 20	< 20	0.0%	9613323	< 20	< 20	0.0%
Ba	9613298	111	112	0.9%	9613309	205	209	1.9%	9613321	1760	1740	1.1%	9613323	799	755	5.7%
Be	9613298	< 5	< 5	0.0%	9613309	7	6	15.4%	9613321	< 5	< 5	0.0%	9613323	< 5	< 5	0.0%
Bi	9613298	1.34	1.40	4.4%	9613309	3.7	4.0	7.8%	9613321	1.1	1.1	0.0%	9613323	0.27	0.21	25.0%
Ca	9613298	5.70	6.10	6.8%	9613309	6.95	6.66	4.3%	9613321	2.89	2.79	3.5%	9613323	1.21	1.17	3.4%
Cd	9613298	< 0.2	< 0.2	0.0%	9613309	< 0.2	< 0.2	0.0%	9613321	< 0.2	< 0.2	0.0%	9613323	< 0.2	< 0.2	0.0%
Ce	9613298	23.9	24.6	2.9%	9613309	11.8	12.2	3.3%	9613321	143	144	0.7%	9613323	43.9	39.8	9.8%
Co	9613298	117	121	3.4%	9613309	76.8	77.6	1.0%	9613321	52.6	51.4	2.3%	9613323	40.9	34.4	17.3%
Cr	9613298	0.0188	0.0182	3.2%	9613309	0.0180	0.0189	4.9%	9613321	0.0115	0.0112	2.6%	9613323	0.017	0.016	6.1%
Cs	9613298	0.45	0.44	2.2%	9613309	5.59	5.78	3.3%	9613321	16.1	16.6	3.1%	9613323	8.13	7.74	4.9%
Cu	9613298	797	853	6.8%	9613309	257	248	3.6%	9613321	16	13	20.7%	9613323	114	97	16.1%
Dy	9613298	2.88	3.04	5.4%	9613309	4.07	4.30	5.5%	9613321	8.43	8.19	2.9%	9613323	1.99	1.76	12.3%
Er	9613298	1.89	1.99	5.2%	9613309	2.89	2.91	0.7%	9613321	4.14	4.24	2.4%	9613323	1.11	1.08	2.7%
Eu	9613298	0.92	0.97	5.3%	9613309	0.99	1.00	1.0%	9613321	4.51	4.35	3.6%	9613323	1.34	1.15	15.3%
Fe	9613298	8.44	9.04	6.9%	9613309	9.73	9.35	4.0%	9613321	12.4	11.8	5.0%	9613323	8.69	8.92	2.6%
Ga	9613298	13.8	13.8	0.0%	9613309	18.9	19.2	1.6%	9613321	33.6	34.4	2.4%	9613323	27.1	26.0	4.1%
Gd	9613298	2.96	3.17	6.9%	9613309	3.60	3.63	0.8%	9613321	13.3	13.4	0.7%	9613323	2.82	2.67	5.5%
Ge	9613298	< 1	1		9613309	2	2	0.0%	9613321	2	2	0.0%	9613323	1	1	0.0%
Hf	9613298	2	2	0.0%	9613309	2	2	0.0%	9613321	7	7	0.0%	9613323	3	2	
Ho	9613298	0.65	0.68	4.5%	9613309	0.96	0.98	2.1%	9613321	1.56	1.62	3.8%	9613323	0.407	0.355	13.6%
In	9613298	< 0.2	< 0.2	0.0%	9613309	< 0.2	< 0.2	0.0%	9613321	< 0.2	< 0.2	0.0%	9613323	< 0.2	< 0.2	0.0%
K	9613298	0.404	0.421	4.1%	9613309	0.956	0.898	6.3%	9613321	4.56	4.45	2.4%	9613323	2.55	2.50	2.0%
La	9613298	11.9	12.3	3.3%	9613309	4.8	5.0	4.1%	9613321	61.6	63.2	2.6%	9613323	21.0	19.8	5.9%
Li	9613298	22	24	8.7%	9613309	32	30	6.5%	9613321	114	113	0.9%	9613323	98	100	2.0%
Lu	9613298	0.282	0.316	11.4%	9613309	0.45	0.45	0.0%	9613321	0.637	0.618	3.0%	9613323	0.153	0.166	8.2%
Mg	9613298	1.57	1.70	8.0%	9613309	2.68	2.72	1.5%	9613321	4.51	4.31	4.5%	9613323	4.39	4.57	4.0%
Mn	9613298	812	840	3.4%	9613309	1470	1460	0.7%	9613321	4190	4110	1.9%	9613323	1890	1880	0.5%
Mo	9613298	10	9	10.5%	9613309	5	5	0.0%	9613321	< 2	< 2	0.0%	9613323	5	4	22.2%



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD, RYAN MCILVENNA

Nb	9613298	5	5	0.0%	9613309	3	3	0.0%	9613321	55	56	1.8%	9613323	7	7	0.0%
Nd	9613298	12.7	13.2	3.9%	9613309	9.1	9.4	3.2%	9613321	79.8	79.9	0.1%	9613323	19.2	18.1	5.9%
Ni	9613298	30	35	15.4%	9613309	82	85	3.6%	9613321	120	118	1.7%	9613323	138	139	0.7%
P	9613298	0.03	0.03	0.0%	9613309	0.04	0.04	0.0%	9613321	0.445	0.440	1.1%	9613323	0.05	0.05	0.0%
Pb	9613298	17	22	25.6%	9613309	14	15	6.9%	9613321	31	31	0.0%	9613323	34	32	6.1%
Pr	9613298	2.99	3.17	5.8%	9613309	1.74	1.83	5.0%	9613321	18.6	18.8	1.1%	9613323	5.00	4.61	8.1%
Rb	9613298	13.4	12.8	4.6%	9613309	64.2	64.6	0.6%	9613321	288	285	1.0%	9613323	145	134	7.9%
S	9613298	1.82	2.00	9.4%	9613309	2.74	2.75	0.4%	9613321	0.337	0.332	1.5%	9613323	0.26	0.27	3.8%
Sb	9613298	0.44	0.50	12.8%	9613309	0.2	0.2	0.0%	9613321	0.3	0.3	0.0%	9613323	< 0.1	< 0.1	0.0%
Sc	9613298	22	22	0.0%	9613309	38	37	2.7%	9613321	36	36	0.0%	9613323	12	11	8.7%
Si	9613298	25.4	26.5	4.2%	9613309	23.5	22.9	2.6%	9613321	19.2	18.5	3.7%	9613323	24.4	24.8	1.6%
Sm	9613298	2.8	2.8	0.0%	9613309	2.74	2.89	5.3%	9613321	15.4	15.5	0.6%	9613323	3.3	3.1	6.3%
Sn	9613298	< 1	< 1	0.0%	9613309	< 1	< 1	0.0%	9613321	< 1	3		9613323	1	< 1	
Sr	9613298	261	263	0.8%	9613309	350	353	0.9%	9613321	448	441	1.6%	9613323	254	240	5.7%
Ta	9613298	< 0.5	< 0.5	0.0%	9613309	< 0.5	< 0.5	0.0%	9613321	3.2	3.2	0.0%	9613323	0.6	0.6	0.0%
Tb	9613298	0.472	0.520	9.7%	9613309	0.627	0.655	4.4%	9613321	1.76	1.81	2.8%	9613323	0.409	0.391	4.5%
Th	9613298	2.3	2.3	0.0%	9613309	0.5	0.5	0.0%	9613321	4.95	4.97	0.4%	9613323	7.47	6.79	9.5%
Ti	9613298	0.38	0.40	5.1%	9613309	0.68	0.67	1.5%	9613321	2.63	2.50	5.1%	9613323	0.311	0.293	6.0%
Tl	9613298	0.5	0.5	0.0%	9613309	0.7	0.7	0.0%	9613321	2.7	2.7	0.0%	9613323	1.3	1.3	0.0%
Tm	9613298	0.28	0.29	3.5%	9613309	0.414	0.434	4.7%	9613321	0.60	0.60	0.0%	9613323	0.16	0.15	6.5%
U	9613298	1.13	1.12	0.9%	9613309	0.42	0.42	0.0%	9613321	5.28	5.17	2.1%	9613323	2.40	2.25	6.5%
V	9613298	146	151	3.4%	9613309	273	270	1.1%	9613321	282	282	0.0%	9613323	130	126	3.1%
W	9613298	5	5	0.0%	9613309	1	1	0.0%	9613321	< 1	< 1	0.0%	9613323	< 1	< 1	0.0%
Y	9613298	19.3	19.4	0.5%	9613309	25.5	25.8	1.2%	9613321	43.2	44.2	2.3%	9613323	11.4	10.3	10.1%
Yb	9613298	1.9	1.9	0.0%	9613309	2.7	2.7	0.0%	9613321	3.93	3.96	0.8%	9613323	1.05	0.96	9.0%
Zn	9613298	47	57	19.2%	9613309	128	119	7.3%	9613321	280	275	1.8%	9613323	273	274	0.4%
Zr	9613298	63.0	63.8	1.3%	9613309	66.9	69.1	3.2%	9613321	273	277	1.5%	9613323	102	88.5	14.2%

REPLICATE #5																
Parameter	Sample ID	Original	Replicate	RPD												
Ag	9613333	< 1	< 1	0.0%												
Al	9613333	8.25	8.00	3.1%												
As	9613333	14	9													
B	9613333	< 20	< 20	0.0%												
Ba	9613333	583	572	1.9%												



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD, RYAN MCILVENNA

Be	9613333	< 5	< 5	0.0%																
Bi	9613333	0.2	0.2	0.0%																
Ca	9613333	7.45	7.48	0.4%																
Cd	9613333	0.4	0.4	0.0%																
Ce	9613333	8.1	7.8	3.8%																
Co	9613333	64.1	63.4	1.1%																
Cr	9613333	< 0.005	< 0.005	0.0%																
Cs	9613333	6.8	7.0	2.9%																
Cu	9613333	97	99	2.0%																
Dy	9613333	1.14	1.19	4.3%																
Er	9613333	0.70	0.70	0.0%																
Eu	9613333	0.485	0.598	20.9%																
Fe	9613333	11.2	11.3	0.9%																
Ga	9613333	20.3	19.5	4.0%																
Gd	9613333	1.19	1.18	0.8%																
Ge	9613333	1	1	0.0%																
Hf	9613333	< 1	< 1	0.0%																
Ho	9613333	0.24	0.24	0.0%																
In	9613333	< 0.2	< 0.2	0.0%																
K	9613333	1.51	1.49	1.3%																
La	9613333	4.06	3.87	4.8%																
Li	9613333	58	58	0.0%																
Lu	9613333	0.118	0.104	12.6%																
Mg	9613333	4.34	4.27	1.6%																
Mn	9613333	1480	1470	0.7%																
Mo	9613333	< 2	< 2	0.0%																
Nb	9613333	< 1	< 1	0.0%																
Nd	9613333	4.1	4.1	0.0%																
Ni	9613333	50	50	0.0%																
P	9613333	< 0.01	< 0.01	0.0%																
Pb	9613333	20	19	5.1%																
Pr	9613333	0.972	0.924	5.1%																
Rb	9613333	116	116	0.0%																
S	9613333	0.18	0.17	5.7%																





CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD, RYAN MCILVENNA

Sb	9613333	0.1	0.1	0.0%												
Sc	9613333	39	38	2.6%												
Si	9613333	21.5	21.2	1.4%												
Sm	9613333	1.0	1.0	0.0%												
Sn	9613333	< 1	< 1	0.0%												
Sr	9613333	407	396	2.7%												
Ta	9613333	< 0.5	< 0.5	0.0%												
Tb	9613333	0.184	0.197	6.8%												
Th	9613333	0.7	0.7	0.0%												
Ti	9613333	0.86	0.86	0.0%												
Tl	9613333	1.0	1.0	0.0%												
Tm	9613333	0.11	0.11	0.0%												
U	9613333	0.23	0.23	0.0%												
V	9613333	851	837	1.7%												
W	9613333	< 1	< 1	0.0%												
Y	9613333	6.8	6.8	0.0%												
Yb	9613333	0.70	0.61	13.7%												
Zn	9613333	136	135	0.7%												
Zr	9613333	32.7	34.1	4.2%												

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4				
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	
Au	9613298	0.003	0.003	0.0%	9613309	0.0049	0.0045	8.5%	9613321	0.002	0.001		9613323	0.003	< 0.001		
Pd	9613298	< 0.001	< 0.001	0.0%	9613309	0.0025	0.0022	12.8%	9613321	0.001	0.001	0.0%	9613323	0.0013	0.0015	14.3%	
Pt	9613298	< 0.005	< 0.005	0.0%	9613309	< 0.005	< 0.005	0.0%	9613321	< 0.005	< 0.005	0.0%	9613323	< 0.005	< 0.005	0.0%	
Parameter	REPLICATE #5																
	Sample ID	Original	Replicate	RPD													
Au	9613333	0.002	0.005														
Pd	9613333	< 0.001	< 0.001	0.0%													
Pt	9613333	< 0.005	< 0.005	0.0%													



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD, RYAN MCILVENNA

## (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.Till-2)				CRM #3 (ref.PG129)							
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Al	10.95	10.98	100%	90% - 110%	8.47	8.36	99%	90% - 110%								
As					26	27	104%	90% - 110%	25	24	96%	90% - 110%				
Ba	340	330	97%	90% - 110%	540	525	97%	90% - 110%								
Be	2.6	3.2	125%	90% - 110%	4.0	3.4	86%	90% - 110%								
Ca	5.72	5.77	101%	90% - 110%	0.907	0.948	105%	90% - 110%								
Ce	122	123	101%	90% - 110%	98	102	104%	90% - 110%								
Co	2.8	2.8	99%	90% - 110%	15	14	93%	90% - 110%	1202	1183	98%	90% - 110%				
Cs	1.5	1.5	103%	90% - 110%												
Cu					150	156	104%	90% - 110%	15414	14704	95%	90% - 110%				
Dy	18.2	18.2	100%	90% - 110%												
Er	14.2	14.7	104%	90% - 110%	3.7	3.7	99%	90% - 110%								
Eu	2.0	1.9	96%	90% - 110%												
Fe	4.34	4.32	100%	90% - 110%	3.77	3.84	102%	90% - 110%								
Ga	35	37	105%	90% - 110%												
Gd	14	15	106%	90% - 110%												
Hf	10.6	10.5	99%	90% - 110%	11	10	93%	90% - 110%								
Ho	4.3	4.5	105%	90% - 110%												
K	1.37	1.5	109%	90% - 110%	2.55	2.6	102%	90% - 110%								
La	58	57	98%	90% - 110%	44	45	101%	90% - 110%								
Li	37	40	109%	90% - 110%	47	48	102%	90% - 110%								
Lu	2.1	2.3	109%	90% - 110%	0.6	0.6	100%	90% - 110%								
Mg	0.325	0.302	93%	90% - 110%	1.1	1.1	99%	90% - 110%								
Mn	836	801	96%	90% - 110%	780	766	98%	90% - 110%								
Mo					14	13	96%	90% - 110%								
Nb	13	13	103%	90% - 110%	20	18	91%	90% - 110%								
Nd	57	60	105%	90% - 110%												
Ni	9	10	112%	90% - 110%	32	35	109%	90% - 110%	23610	22460	95%	90% - 110%				
Pb	10	10	99%	90% - 110%	31	31	100%	90% - 110%	41	44	108%	90% - 110%				
Pr	15.0	15	100%	90% - 110%												
Rb	55	54	98%	90% - 110%	144	146	101%	90% - 110%								
Sb					0.8	0.9	114%	90% - 110%								



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD, RYAN MCILVENNA

Sc					12	12	100%	90% - 110%								
Si	23.3	23.8	102%	90% - 110%	28.4	29.4	103%	90% - 110%								
Sm	12.7	12.8	101%	90% - 110%	7.4	7.8	106%	90% - 110%								
Sn	7.1	7	99%	90% - 110%												
Sr	1191	1162	98%	90% - 110%	144	148	103%	90% - 110%								
Ta	0.9	0.9	97%	90% - 110%	1.9	1.8	96%	90% - 110%								
Tb	2.6	2.7	105%	90% - 110%	1.2	1.2	97%	90% - 110%								
Th	1.4	1.4	102%	90% - 110%	18.4	18.7	102%	90% - 110%								
Ti	0.172	0.168	98%	90% - 110%	0.527	0.509	97%	90% - 110%								
Tm	2.3	2.3	100%	90% - 110%												
U	0.8	0.9	111%	90% - 110%	5.7	5.4	95%	90% - 110%								
V	8	6	77%	90% - 110%	77	79	103%	90% - 110%								
W					5	5	99%	90% - 110%								
Y	119	125	105%	90% - 110%	40	38	94%	90% - 110%								
Yb	14.8	14.9	101%	90% - 110%												
Zn	93	97	104%	90% - 110%	130	129	99%	90% - 110%	90	87	96%	90% - 110%				
Zr	517	547	106%	90% - 110%	390	392	100%	90% - 110%								

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

Parameter	CRM #1 (ref.PG129)				CRM #2 (ref.PG129)				CRM #3 (ref.PG129)							
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Au	1.1	1.2	110%	90% - 110%	1.1	1.2	109%	90% - 110%	1.1	1.2	109%	90% - 110%				
Pd	0.115	0.125	109%	90% - 110%	0.115	0.12	104%	90% - 110%	0.115	0.119	103%	90% - 110%				
Pt	0.239	0.262	109%	90% - 110%	0.239	0.259	108%	90% - 110%	0.239	0.262	110%	90% - 110%				



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T395362

PROJECT:

ATTENTION TO: GUY EUGENE RICHARD, RYAN

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T395362

PROJECT:

ATTENTION TO: GUY EUGENE RICHARD, RYAN

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pd	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pt	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES



CLIENT NAME: CREELMAN GOLD CORP  
1886 PENAGE LAKE RD  
WHITEFISH, ON P0M 3E0  
705-207-8616

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

PROJECT:

AGAT WORK ORDER: 18T405739

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Dec 05, 2018

PAGES (INCLUDING COVER): 23

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

\*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



## Certificate of Analysis

AGAT WORK ORDER: 18T405739

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (200-) Sample Login Weight

DATE SAMPLED: Nov 04, 2018      DATE RECEIVED: Nov 05, 2018      DATE REPORTED: Dec 05, 2018      SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
233 (9679026)		1.593
234 (9679027)		1.436
235 (9679028)		1.782
236 (9679029)		1.824
237 (9679030)		0.954
238 (9679031)		1.315
239 (9679032)		2.030
240 (9679033)		1.648
241 (9679034)		1.196
242 (9679035)		1.281
243 (9679036)		0.734
244 (9679037)		0.918
245 (9679038)		1.242
246 (9679039)		1.532
247 (9679040)		2.218
248 (9679041)		1.534
249 (9679042)		1.493
250 (9679043)		1.174
251 (9679044)		1.122
252 (9679045)		1.532
253 (9679046)		1.628
254 (9679047)		1.187
255 (9679048)		1.539
256 (9679049)		1.841
257 (9679050)		1.595
258 (9679051)		1.215
259 (9679052)		1.933
260 (9679053)		1.385
261 (9679054)		1.319
262 (9679055)		1.511
263 (9679056)		1.734

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T405739

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (200-) Sample Login Weight

DATE SAMPLED: Nov 04, 2018      DATE RECEIVED: Nov 05, 2018      DATE REPORTED: Dec 05, 2018      SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
264 (9679057)		1.666
265 (9679058)		0.767
266 (9679059)		1.533
267 (9679060)		1.402
268 (9679061)		1.619
269 (9679062)		1.061
270 (9679063)		0.984
271 (9679064)		1.551
272 (9679065)		1.330
273 (9679066)		1.268
274 (9679067)		1.029
275 (9679068)		1.226
276 (9679069)		2.388
277 (9679070)		1.841
278 (9679071)		1.520
279 (9679072)		1.317
280 (9679073)		1.981
281 (9679074)		1.770
282 (9679075)		0.635
283 (9679076)		0.742

Comments: RDL - Reported Detection Limit

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 18T405739

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Nov 04, 2018

DATE RECEIVED: Nov 05, 2018

DATE REPORTED: Dec 05, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Ag ppm 1	Al % 0.01	As ppm 5	B ppm 20	Ba ppm 0.5	Be ppm 5	Bi ppm 0.1	Ca % 0.05	Cd ppm 0.2	Ce ppm 0.1	Co ppm 0.5	Cr % 0.005	Cs ppm 0.1	Cu ppm 5
233 (9679026)		<1	7.88	6	<20	87.4	5	0.4	7.93	0.2	14.8	39.3	0.025	0.9	89
234 (9679027)		<1	7.58	<5	<20	64.9	6	0.4	7.71	0.3	15.7	60.7	0.026	0.6	261
235 (9679028)		<1	7.83	<5	<20	82.7	6	0.3	8.25	0.3	13.4	52.7	0.018	0.8	146
236 (9679029)		<1	7.53	<5	<20	51.2	<5	0.5	8.28	0.5	17.0	41.1	0.023	0.4	94
237 (9679030)		<1	6.78	<5	<20	51.8	<5	0.3	7.65	0.3	8.6	44.4	0.009	0.2	172
238 (9679031)		<1	7.23	<5	<20	286	<5	0.2	6.45	0.3	9.4	58.8	0.007	2.8	171
239 (9679032)		<1	6.93	<5	<20	145	<5	0.2	7.46	0.2	8.4	60.0	0.008	1.0	243
240 (9679033)		<1	6.92	<5	<20	81.6	5	0.5	7.76	0.3	9.0	63.9	0.009	0.3	205
241 (9679034)		<1	7.03	<5	<20	82.8	5	0.5	7.95	0.3	9.0	85.8	0.008	0.3	296
242 (9679035)		<1	7.05	<5	<20	1130	<5	1.3	4.92	0.5	33.1	65.6	0.020	1.6	1520
243 (9679036)		<1	7.91	<5	<20	1050	<5	1.2	4.93	1.3	43.7	69.1	0.016	2.6	621
244 (9679037)		<1	6.72	<5	<20	517	<5	1.9	5.01	1.3	49.2	85.7	0.020	1.2	323
245 (9679038)		<1	7.02	<5	<20	227	<5	0.6	7.36	0.6	16.0	35.3	0.017	0.7	149
246 (9679039)		<1	7.20	<5	<20	219	<5	0.5	7.06	0.7	20.9	32.3	0.019	0.6	103
247 (9679040)		<1	8.56	<5	<20	486	10	0.3	4.63	0.2	23.5	33.2	0.026	4.0	128
248 (9679041)		<1	7.58	<5	<20	593	81	0.8	5.56	<0.2	17.1	46.8	0.012	5.1	138
249 (9679042)		<1	6.54	<5	<20	137	<5	0.3	7.07	0.4	15.8	53.5	0.019	1.0	333
250 (9679043)		<1	7.88	38	<20	609	<5	0.1	4.53	<0.2	29.2	33.7	0.026	1.3	105
251 (9679044)		<1	6.91	13	<20	748	<5	0.2	4.35	<0.2	22.7	44.3	0.026	1.6	132
252 (9679045)		<1	7.40	6	<20	639	<5	0.1	6.54	0.3	7.9	44.5	0.025	1.4	233
253 (9679046)		<1	8.16	<5	<20	785	<5	0.3	7.92	0.2	7.2	41.5	0.023	0.8	98
254 (9679047)		1	7.57	<5	<20	579	<5	9.2	5.68	0.7	7.9	43.2	0.028	1.0	226
255 (9679048)		<1	8.19	<5	<20	1080	<5	3.9	5.79	0.6	9.7	45.4	0.031	2.3	168
256 (9679049)		<1	7.21	<5	<20	647	<5	0.7	7.03	0.4	15.6	48.8	0.029	0.7	179
257 (9679050)		2	7.28	<5	20	480	<5	0.7	5.27	0.2	17.8	35.4	0.025	0.7	174
258 (9679051)		<1	6.99	<5	<20	455	<5	0.7	6.51	0.2	13.8	38.2	0.028	0.6	125
259 (9679052)		<1	6.89	<5	<20	504	<5	0.7	4.80	<0.2	18.0	32.8	0.027	0.7	108
260 (9679053)		<1	7.14	5	<20	534	<5	0.8	6.47	0.3	11.9	54.6	0.029	0.8	175
261 (9679054)		<1	8.11	<5	24	430	<5	4.6	6.19	0.5	13.1	76.0	0.031	0.9	1390
262 (9679055)		1	7.96	<5	24	451	<5	12.7	5.69	0.6	17.0	83.5	0.029	0.9	2900
263 (9679056)		<1	7.23	<5	24	423	<5	2.4	4.35	0.3	21.2	56.5	0.028	0.7	716
264 (9679057)		<1	8.45	5	<20	1600	<5	3.0	7.17	36.5	29.8	63.0	0.029	1.2	272

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T405739

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Nov 04, 2018	DATE RECEIVED: Nov 05, 2018					DATE REPORTED: Dec 05, 2018					SAMPLE TYPE: Rock				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
265 (9679058)	<1	8.30	<5	<20	1310	<5	4.8	8.16	30.0	28.7	51.8	0.032	0.8	492	
266 (9679059)	<1	8.01	<5	<20	1950	<5	1.9	6.34	14.0	32.0	59.9	0.035	1.2	333	
267 (9679060)	<1	8.82	15	<20	1320	<5	3.2	5.13	0.8	46.8	66.0	0.012	1.4	172	
268 (9679061)	<1	8.47	38	<20	1020	<5	3.8	7.43	3.5	21.3	60.5	0.031	1.2	469	
269 (9679062)	<1	8.79	20	<20	1470	<5	3.7	5.05	2.0	54.4	57.8	0.014	1.3	235	
270 (9679063)	<1	8.72	10	<20	1610	<5	4.9	4.69	1.1	68.3	79.2	0.011	1.6	130	
271 (9679064)	<1	7.99	<5	<20	503	<5	16.5	7.31	3.8	33.0	50.6	0.031	0.6	785	
272 (9679065)	<1	7.79	<5	<20	396	<5	0.8	8.32	10.1	24.0	43.8	0.029	0.6	118	
273 (9679066)	<1	7.90	<5	20	542	<5	0.2	3.08	<0.2	82.1	14.7	0.022	3.0	57	
274 (9679067)	<1	8.08	<5	<20	1000	<5	0.2	2.53	<0.2	56.1	25.1	0.026	5.1	42	
275 (9679068)	<1	7.82	<5	<20	770	<5	0.8	6.10	<0.2	23.3	43.9	0.038	2.0	417	
276 (9679069)	<1	8.02	<5	<20	556	<5	1.9	7.46	<0.2	36.3	39.4	0.024	3.0	170	
277 (9679070)	<1	7.80	<5	35	471	<5	0.7	6.11	0.3	22.9	35.1	0.027	1.1	441	
278 (9679071)	<1	7.44	<5	<20	347	<5	0.7	7.66	<0.2	7.5	45.5	0.033	0.8	168	
279 (9679072)	<1	7.24	<5	<20	314	6	2.7	7.05	<0.2	16.6	113	0.020	3.9	64	
280 (9679073)	12	6.86	<5	<20	287	7	1.7	8.17	<0.2	13.8	68.4	0.018	0.6	21	
281 (9679074)	14	7.49	<5	<20	482	7	2.4	5.04	<0.2	19.4	56.8	0.030	18.8	128	
282 (9679075)	3	5.30	<5	<20	602	<5	2.8	2.57	<0.2	8.1	180	0.034	20.2	81	
283 (9679076)	6	6.26	<5	<20	648	<5	3.0	3.69	<0.2	14.3	125	0.035	23.7	150	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T405739

PROJECT:

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MISSISSAUGA, ONTARIO  
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FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Nov 04, 2018

DATE RECEIVED: Nov 05, 2018

DATE REPORTED: Dec 05, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
233 (9679026)		4.34	2.69	1.01	8.99	19.2	3.87	2	2	0.93	<0.2	0.48	6.0	27	0.45
234 (9679027)		4.33	2.93	1.08	9.19	18.6	3.97	2	2	1.01	<0.2	0.44	6.3	28	0.45
235 (9679028)		4.26	2.88	1.02	10.4	19.1	3.74	2	2	0.98	<0.2	0.49	5.3	29	0.44
236 (9679029)		4.27	2.78	1.13	9.11	20.1	3.94	2	2	0.92	<0.2	0.38	6.6	25	0.42
237 (9679030)		3.55	2.32	0.79	9.22	17.4	3.16	2	2	0.81	<0.2	0.31	3.1	20	0.38
238 (9679031)		3.87	2.44	0.88	10.8	16.8	3.24	2	2	0.88	<0.2	0.97	3.4	51	0.41
239 (9679032)		3.43	2.17	0.84	10.3	16.8	2.85	2	1	0.80	<0.2	0.55	3.1	29	0.37
240 (9679033)		3.58	2.22	3.14	10.3	17.4	3.23	2	2	0.82	<0.2	0.37	3.3	28	0.37
241 (9679034)		3.80	2.49	1.70	10.9	18.1	3.23	2	2	0.83	<0.2	0.35	3.4	27	0.37
242 (9679035)		2.23	1.16	1.06	9.90	19.7	2.79	2	3	0.45	<0.2	0.94	17.8	30	0.20
243 (9679036)		4.86	2.91	1.42	8.63	22.0	5.09	1	3	1.06	<0.2	1.33	21.8	54	0.46
244 (9679037)		4.08	2.58	1.76	7.83	22.2	5.18	2	3	0.87	<0.2	0.71	26.7	24	0.42
245 (9679038)		5.34	3.32	1.32	7.83	20.9	4.79	2	3	1.17	<0.2	0.47	6.1	23	0.53
246 (9679039)		5.95	3.96	1.52	7.54	20.5	5.74	2	3	1.33	<0.2	0.44	8.4	23	0.60
247 (9679040)		3.87	2.43	1.11	6.53	20.1	3.54	1	3	0.87	<0.2	1.39	11.2	54	0.37
248 (9679041)		6.09	3.92	1.39	9.98	19.6	5.50	2	3	1.36	<0.2	1.50	6.4	80	0.61
249 (9679042)		5.22	3.45	1.25	8.53	20.5	4.83	2	3	1.20	<0.2	0.50	6.3	25	0.55
250 (9679043)		2.44	1.38	1.05	5.52	11.5	3.31	<1	4	0.49	<0.2	1.19	13.6	43	0.23
251 (9679044)		2.39	1.33	0.97	6.76	12.5	2.75	1	3	0.50	<0.2	1.41	11.0	53	0.24
252 (9679045)		2.94	2.00	0.93	8.15	14.5	2.44	2	1	0.66	<0.2	1.37	3.0	42	0.31
253 (9679046)		2.99	1.97	0.81	7.61	17.0	2.51	1	1	0.66	<0.2	1.23	3.2	42	0.32
254 (9679047)		2.99	1.97	0.89	6.53	15.2	2.52	1	1	0.69	<0.2	0.79	3.2	24	0.32
255 (9679048)		3.95	2.54	1.10	8.07	16.9	3.40	1	2	0.83	<0.2	1.46	3.7	44	0.38
256 (9679049)		3.98	2.86	0.91	8.00	19.5	3.42	2	2	0.95	<0.2	0.89	6.4	32	0.43
257 (9679050)		3.85	2.45	0.66	5.58	15.5	3.34	2	2	0.83	<0.2	0.81	7.8	27	0.43
258 (9679051)		3.34	2.27	0.83	6.80	15.3	2.85	2	2	0.77	<0.2	0.71	5.7	26	0.37
259 (9679052)		3.28	2.20	0.67	5.19	14.4	3.15	1	2	0.74	<0.2	0.72	7.9	26	0.36
260 (9679053)		3.29	2.21	0.80	7.37	15.6	2.69	2	2	0.75	<0.2	0.87	5.0	34	0.33
261 (9679054)		3.33	2.23	0.87	7.11	17.1	2.82	2	2	0.74	0.4	1.56	5.9	53	0.35
262 (9679055)		3.14	2.06	0.91	6.55	16.6	2.67	2	2	0.67	0.6	1.95	7.7	48	0.33
263 (9679056)		2.88	1.89	0.82	5.40	17.7	2.54	2	2	0.63	<0.2	1.70	9.9	49	0.33
264 (9679057)		3.65	2.51	1.38	6.80	21.7	3.69	2	2	0.82	<0.2	1.34	14.5	49	0.37

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T405739

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Nov 04, 2018

DATE RECEIVED: Nov 05, 2018

DATE REPORTED: Dec 05, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Dy ppm 0.05	Er ppm 0.05	Eu ppm 0.05	Fe % 0.01	Ga ppm 0.01	Gd ppm 0.05	Ge ppm 1	Hf ppm 1	Ho ppm 0.05	In ppm 0.2	K % 0.05	La ppm 0.1	Li ppm 10	Lu ppm 0.05
265 (9679058)		4.08	2.66	1.34	7.40	22.0	3.73	2	2	0.85	<0.2	1.16	13.9	39	0.39
266 (9679059)		3.90	2.28	1.32	6.72	18.5	3.90	2	2	0.83	<0.2	1.65	15.6	57	0.34
267 (9679060)		4.48	2.79	1.52	8.04	20.3	4.91	2	5	0.97	<0.2	1.41	20.7	46	0.43
268 (9679061)		3.25	2.19	1.01	7.36	20.9	2.88	2	2	0.75	0.2	1.33	10.2	51	0.37
269 (9679062)		4.46	2.85	1.59	7.15	17.5	5.19	1	5	0.97	<0.2	1.29	25.4	42	0.42
270 (9679063)		5.72	3.38	2.10	7.18	19.9	6.52	1	6	1.14	<0.2	1.34	31.9	45	0.45
271 (9679064)		3.51	2.36	1.38	6.56	22.5	3.30	2	2	0.77	0.4	0.76	18.6	29	0.36
272 (9679065)		4.16	2.47	1.22	7.26	23.3	3.92	2	1	0.85	<0.2	0.56	11.5	31	0.37
273 (9679066)		3.49	1.70	1.70	3.37	20.5	5.43	1	5	0.60	<0.2	1.31	36.3	41	0.24
274 (9679067)		3.41	1.97	1.41	5.48	23.0	4.64	2	4	0.68	<0.2	2.32	25.4	83	0.28
275 (9679068)		4.50	2.72	1.25	8.23	23.1	4.11	2	2	0.94	<0.2	1.57	11.0	55	0.37
276 (9679069)		5.99	3.86	1.64	7.82	26.0	5.59	3	3	1.30	<0.2	1.21	18.4	48	0.54
277 (9679070)		2.76	1.56	0.79	5.82	15.4	2.93	2	3	0.62	<0.2	0.92	10.3	35	0.30
278 (9679071)		3.24	2.14	0.80	7.98	15.0	2.80	2	1	0.76	<0.2	0.70	2.8	33	0.33
279 (9679072)		2.87	1.93	0.85	9.03	17.9	2.96	3	2	0.64	<0.2	1.09	7.8	33	0.33
280 (9679073)		2.98	1.90	0.86	8.80	17.4	2.57	3	1	0.67	<0.2	0.98	6.5	14	0.32
281 (9679074)		3.12	1.94	0.97	7.98	18.5	3.00	2	2	0.71	<0.2	2.02	9.0	81	0.36
282 (9679075)		1.83	1.04	0.40	10.3	12.3	1.62	1	2	0.38	<0.2	2.37	3.7	85	0.19
283 (9679076)		2.61	1.53	0.79	9.60	16.9	2.49	2	2	0.59	<0.2	2.72	6.4	101	0.27

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T405739

PROJECT:

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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Nov 04, 2018

DATE RECEIVED: Nov 05, 2018

DATE REPORTED: Dec 05, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %
233 (9679026)		3.01	1690	5	3	9.5	80	0.05	16	2.17	15.9	0.28	<0.1	36	25.0
234 (9679027)		3.01	1590	9	3	9.7	124	0.05	20	2.26	11.4	0.83	<0.1	37	24.7
235 (9679028)		3.99	1910	3	3	9.3	80	0.05	15	2.00	15.2	0.37	<0.1	42	25.0
236 (9679029)		3.30	1620	6	3	10.5	90	0.05	47	2.32	7.1	0.23	<0.1	35	24.1
237 (9679030)		3.69	1700	3	2	6.7	50	0.04	12	1.34	4.5	0.26	<0.1	43	24.7
238 (9679031)		4.18	1890	<2	3	7.2	62	0.04	9	1.44	51.1	0.38	<0.1	47	22.6
239 (9679032)		3.73	1780	2	2	6.4	78	0.03	11	1.32	21.9	0.47	<0.1	45	23.7
240 (9679033)		3.74	1850	3	2	6.8	63	0.03	12	1.41	7.7	0.55	<0.1	45	23.5
241 (9679034)		3.69	1860	2	3	6.9	78	0.04	12	1.43	6.8	0.90	<0.1	46	23.0
242 (9679035)		1.97	939	7	3	13.5	214	0.05	32	3.68	37.7	3.76	<0.1	18	25.1
243 (9679036)		2.47	1100	8	5	20.0	88	0.11	65	5.16	63.8	1.95	<0.1	29	24.7
244 (9679037)		1.61	820	17	4	20.3	70	0.07	80	5.43	30.1	2.28	<0.1	23	27.2
245 (9679038)		2.68	1630	6	4	11.0	90	0.07	53	2.36	16.8	0.50	0.2	36	26.0
246 (9679039)		2.69	1640	6	5	14.2	80	0.08	74	3.05	14.2	0.34	<0.1	42	25.4
247 (9679040)		2.49	1250	7	5	11.8	95	0.06	25	2.96	83.1	0.18	<0.1	27	26.1
248 (9679041)		3.29	1840	5	5	12.3	77	0.07	11	2.65	93.4	0.12	<0.1	40	23.6
249 (9679042)		2.39	1450	9	4	11.5	74	0.06	8	2.41	21.1	0.32	<0.1	35	26.7
250 (9679043)		3.15	1200	8	7	13.2	103	0.10	37	3.59	43.9	0.13	<0.1	12	27.9
251 (9679044)		4.17	1470	5	4	10.8	149	0.06	35	2.76	50.2	0.16	<0.1	20	26.7
252 (9679045)		4.78	1820	3	2	5.6	128	0.03	27	1.19	52.2	0.10	<0.1	32	23.2
253 (9679046)		4.46	1670	5	2	5.4	122	0.03	26	1.12	41.9	0.02	<0.1	32	23.6
254 (9679047)		3.03	1410	4	2	5.6	104	0.03	409	1.22	28.2	0.30	<0.1	35	26.6
255 (9679048)		3.88	1640	3	<1	7.6	136	0.04	287	1.45	61.0	0.19	<0.1	43	24.3
256 (9679049)		3.75	1420	4	3	9.5	90	0.04	27	2.05	43.9	0.77	<0.1	38	26.1
257 (9679050)		2.57	967	5	7	8.8	68	0.03	21	2.30	31.5	0.46	<0.1	28	28.7
258 (9679051)		3.43	1290	5	4	7.9	84	0.04	17	1.95	29.4	0.57	<0.1	33	27.1
259 (9679052)		2.32	891	8	4	9.6	64	0.04	18	2.28	29.2	0.92	<0.1	23	29.4
260 (9679053)		3.49	1300	7	3	6.8	94	0.04	19	1.62	35.2	1.32	<0.1	35	26.1
261 (9679054)		3.34	1200	5	3	7.8	112	0.04	100	1.73	39.5	0.72	0.6	40	24.5
262 (9679055)		2.81	1130	6	3	8.9	109	0.05	76	2.18	43.7	0.63	0.6	35	25.7
263 (9679056)		2.48	739	7	1	9.4	85	0.04	46	2.41	34.8	0.80	<0.1	26	29.9
264 (9679057)		2.78	1250	7	1	14.5	118	0.05	2080	3.56	68.6	1.17	<0.1	37	24.0

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T405739

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Nov 04, 2018

DATE RECEIVED: Nov 05, 2018

DATE REPORTED: Dec 05, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %
		0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
265 (9679058)		3.68	1510	19	2	14.6	118	0.05	523	3.54	47.8	0.91	<0.1	39	23.7
266 (9679059)		3.51	1300	10	1	15.0	127	0.06	410	3.72	72.9	0.73	<0.1	31	25.3
267 (9679060)		1.85	721	14	5	23.6	52	0.12	152	5.76	67.1	4.67	<0.1	24	22.9
268 (9679061)		3.77	1410	20	4	10.2	138	0.05	66	2.58	65.2	0.97	0.2	40	22.7
269 (9679062)		1.33	655	96	7	25.3	73	0.12	175	6.63	54.4	3.91	<0.1	21	24.9
270 (9679063)		1.38	560	16	6	33.2	68	0.13	161	8.29	62.9	4.31	<0.1	23	23.1
271 (9679064)		3.44	1290	9	<1	14.0	108	0.04	707	3.70	21.6	0.46	<0.1	37	24.7
272 (9679065)		3.32	1500	12	<1	12.7	87	0.04	110	3.02	25.1	0.40	<0.1	37	25.2
273 (9679066)		1.56	839	10	6	39.4	41	0.10	12	9.99	67.3	0.02	<0.1	9	32.2
274 (9679067)		2.61	1100	7	4	26.2	70	0.07	10	6.76	135	0.01	<0.1	21	29.0
275 (9679068)		4.58	2400	<2	2	13.4	129	0.05	8	3.10	81.7	0.10	<0.1	46	23.8
276 (9679069)		2.92	1690	6	3	18.7	80	0.06	10	4.51	70.3	0.21	<0.1	38	24.9
277 (9679070)		2.62	1130	7	3	11.7	100	0.04	21	2.91	43.9	0.11	<0.1	25	27.6
278 (9679071)		4.33	1650	3	2	6.1	131	0.04	10	1.19	37.0	0.11	<0.1	40	23.5
279 (9679072)		3.75	1650	3	3	9.0	97	0.04	14	2.10	66.2	2.04	<0.1	36	22.8
280 (9679073)		4.34	1940	5	3	7.7	97	0.04	12	1.82	40.8	1.17	<0.1	39	23.7
281 (9679074)		3.42	1520	5	3	9.9	102	0.06	11	2.46	173	1.06	<0.1	35	25.0
282 (9679075)		3.32	1290	10	3	4.7	116	0.05	6	1.13	206	3.93	<0.1	14	28.4
283 (9679076)		3.64	1420	8	3	7.8	121	0.06	9	1.85	241	2.37	<0.1	28	25.6

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T405739

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Nov 04, 2018

DATE RECEIVED: Nov 05, 2018

DATE REPORTED: Dec 05, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm 0.1	Sn ppm 1	Sr ppm 0.1	Ta ppm 0.5	Tb ppm 0.05	Th ppm 0.1	Ti % 0.01	Tl ppm 0.5	Tm ppm 0.05	U ppm 0.05	V ppm 5	W ppm 1	Y ppm 0.5	Yb ppm 0.1
233 (9679026)		3.1	1	259	<0.5	0.66	0.6	0.67	<0.5	0.43	0.16	299	<1	23.9	2.7
234 (9679027)		3.0	2	257	<0.5	0.70	0.6	0.67	<0.5	0.43	0.18	292	<1	24.1	2.9
235 (9679028)		2.9	2	220	<0.5	0.68	0.4	0.71	<0.5	0.43	0.15	327	<1	23.6	2.8
236 (9679029)		3.2	2	272	<0.5	0.66	0.5	0.64	<0.5	0.41	0.18	316	<1	23.4	2.8
237 (9679030)		2.0	1	195	<0.5	0.54	0.2	0.58	<0.5	0.39	0.09	300	<1	20.2	2.5
238 (9679031)		2.3	1	141	<0.5	0.55	0.3	0.64	<0.5	0.43	0.08	303	<1	22.1	2.5
239 (9679032)		2.2	1	193	<0.5	0.56	0.2	0.60	<0.5	0.36	0.07	312	<1	19.3	2.2
240 (9679033)		2.3	1	198	<0.5	0.60	0.3	0.62	<0.5	0.38	0.14	304	<1	20.6	2.3
241 (9679034)		2.3	6	211	<0.5	0.57	0.2	0.64	<0.5	0.40	0.21	301	<1	21.2	2.5
242 (9679035)		2.8	1	238	<0.5	0.40	4.1	0.36	1.0	0.20	1.17	166	1	12.0	1.2
243 (9679036)		4.9	10	261	<0.5	0.81	4.0	0.74	0.9	0.45	1.71	272	<1	27.8	2.8
244 (9679037)		4.5	9	263	<0.5	0.77	5.8	0.58	0.7	0.38	2.64	243	<1	24.0	2.6
245 (9679038)		3.3	6	312	<0.5	0.78	0.6	0.91	<0.5	0.52	0.31	358	<1	29.2	3.4
246 (9679039)		4.2	10	289	<0.5	1.01	1.1	1.02	<0.5	0.60	0.45	388	1	33.6	3.9
247 (9679040)		3.2	8	225	<0.5	0.60	12.2	0.59	0.8	0.38	5.49	252	2	21.8	2.5
248 (9679041)		4.1	10	141	<0.5	0.96	0.7	0.98	1.0	0.60	0.34	398	<1	33.9	3.8
249 (9679042)		3.5	4	190	<0.5	0.85	0.8	0.85	<0.5	0.52	0.56	343	<1	29.9	3.3
250 (9679043)		3.3	6	191	<0.5	0.49	5.5	0.48	<0.5	0.21	1.21	124	<1	12.8	1.2
251 (9679044)		2.5	12	144	<0.5	0.43	3.2	0.44	<0.5	0.24	0.69	168	<1	13.5	1.3
252 (9679045)		1.9	7	179	<0.5	0.46	0.3	0.44	<0.5	0.31	0.05	239	<1	16.6	2.0
253 (9679046)		1.8	6	331	<0.5	0.46	0.2	0.44	<0.5	0.30	0.07	237	<1	16.7	1.9
254 (9679047)		1.9	8	231	<0.5	0.46	0.4	0.47	<0.5	0.31	0.18	268	<1	16.9	2.0
255 (9679048)		2.6	15	216	<0.5	0.59	0.5	0.59	<0.5	0.37	0.13	287	<1	21.5	2.5
256 (9679049)		2.8	5	221	<0.5	0.62	2.0	0.56	<0.5	0.39	1.21	266	<1	23.5	2.7
257 (9679050)		2.8	7	218	0.9	0.60	5.4	0.39	<0.5	0.42	4.28	194	<1	22.8	2.7
258 (9679051)		2.2	7	216	<0.5	0.51	2.5	0.48	<0.5	0.35	1.52	228	<1	18.9	2.2
259 (9679052)		2.6	6	208	<0.5	0.55	5.2	0.38	<0.5	0.33	3.17	156	<1	18.2	2.2
260 (9679053)		2.2	8	223	<0.5	0.51	0.9	0.50	<0.5	0.30	0.58	235	2	18.3	2.1
261 (9679054)		2.0	6	231	<0.5	0.51	0.9	0.55	<0.5	0.38	1.33	269	1	18.1	2.3
262 (9679055)		2.4	4	220	<0.5	0.49	3.8	0.51	<0.5	0.32	2.69	245	1	17.8	2.2
263 (9679056)		2.2	<1	184	<0.5	0.46	3.5	0.42	<0.5	0.29	2.11	182	<1	16.5	2.0
264 (9679057)		3.4	<1	270	<0.5	0.58	4.9	0.53	0.8	0.37	1.29	257	<1	21.9	2.4

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T405739

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Nov 04, 2018

DATE RECEIVED: Nov 05, 2018

DATE REPORTED: Dec 05, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sm ppm 0.1	Sn ppm 1	Sr ppm 0.1	Ta ppm 0.5	Tb ppm 0.05	Th ppm 0.1	Ti % 0.01	Tl ppm 0.5	Tm ppm 0.05	U ppm 0.05	V ppm 5	W ppm 1	Y ppm 0.5	Yb ppm 0.1
265 (9679058)		3.4	2	263	<0.5	0.62	2.0	0.56	0.6	0.39	0.87	286	<1	22.0	2.5
266 (9679059)		3.3	5	206	<0.5	0.59	3.7	0.48	0.7	0.32	1.06	231	<1	20.5	2.2
267 (9679060)		4.8	5	251	<0.5	0.73	5.4	0.69	0.7	0.42	1.83	178	<1	24.3	2.9
268 (9679061)		2.7	4	234	<0.5	0.47	1.7	0.57	0.7	0.34	0.82	263	3	20.0	2.3
269 (9679062)		5.4	1	258	<0.5	0.83	6.8	0.67	0.6	0.42	2.49	151	2	24.6	2.7
270 (9679063)		6.7	4	263	<0.5	1.00	6.3	0.70	0.7	0.50	2.64	168	1	28.5	3.1
271 (9679064)		2.9	2	253	<0.5	0.56	1.8	0.50	<0.5	0.34	1.55	247	<1	19.5	2.4
272 (9679065)		3.3	2	261	<0.5	0.63	1.2	0.46	<0.5	0.40	0.46	279	<1	23.1	2.6
273 (9679066)		7.0	4	406	<0.5	0.72	6.8	0.26	0.5	0.24	1.88	85	<1	16.9	1.5
274 (9679067)		4.6	3	410	<0.5	0.64	4.8	0.41	1.2	0.28	1.42	140	<1	17.7	1.9
275 (9679068)		3.6	3	356	<0.5	0.71	1.3	0.59	0.6	0.40	0.75	258	<1	24.5	2.5
276 (9679069)		4.5	2	543	<0.5	0.91	1.3	0.70	0.7	0.58	0.94	313	<1	33.4	3.6
277 (9679070)		2.4	1	435	<0.5	0.49	2.1	0.38	<0.5	0.29	0.76	197	<1	15.4	1.7
278 (9679071)		1.9	2	238	<0.5	0.50	0.2	0.52	<0.5	0.33	0.08	279	<1	17.8	2.1
279 (9679072)		2.3	<1	377	<0.5	0.47	1.1	0.45	0.6	0.31	0.98	213	<1	16.6	1.9
280 (9679073)		2.1	2	376	<0.5	0.46	0.6	0.46	<0.5	0.31	1.01	234	<1	15.6	1.9
281 (9679074)		2.5	8	328	<0.5	0.52	1.9	0.43	1.9	0.33	1.56	191	<1	17.7	2.1
282 (9679075)		1.3	2	150	<0.5	0.30	1.5	0.42	2.3	0.17	0.55	114	<1	9.1	1.1
283 (9679076)		2.2	2	239	<0.5	0.40	2.1	0.50	2.8	0.27	1.03	162	<1	13.8	1.6

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 18T405739

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Nov 04, 2018      DATE RECEIVED: Nov 05, 2018      DATE REPORTED: Dec 05, 2018      SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
233 (9679026)		113	76.7
234 (9679027)		108	77.7
235 (9679028)		132	73.1
236 (9679029)		136	75.1
237 (9679030)		117	52.1
238 (9679031)		157	57.2
239 (9679032)		134	48.8
240 (9679033)		132	53.8
241 (9679034)		134	55.9
242 (9679035)		107	92.3
243 (9679036)		206	122
244 (9679037)		155	96.8
245 (9679038)		153	95.6
246 (9679039)		161	118
247 (9679040)		97	100
248 (9679041)		144	105
249 (9679042)		105	88.6
250 (9679043)		116	151
251 (9679044)		143	97.9
252 (9679045)		146	40.9
253 (9679046)		99	39.2
254 (9679047)		132	48.0
255 (9679048)		170	54.7
256 (9679049)		132	65.0
257 (9679050)		82	57.8
258 (9679051)		95	55.0
259 (9679052)		72	63.2
260 (9679053)		95	55.5
261 (9679054)		155	54.1
262 (9679055)		146	64.4
263 (9679056)		80	63.6
264 (9679057)		2430	69.6

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 18T405739

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Nov 04, 2018      DATE RECEIVED: Nov 05, 2018      DATE REPORTED: Dec 05, 2018      SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
265 (9679058)		2140	70.7
266 (9679059)		1160	82.5
267 (9679060)		184	186
268 (9679061)		509	70.5
269 (9679062)		282	191
270 (9679063)		216	212
271 (9679064)		515	51.7
272 (9679065)		711	51.0
273 (9679066)		64	171
274 (9679067)		110	126
275 (9679068)		146	74.1
276 (9679069)		102	81.5
277 (9679070)		66	90.1
278 (9679071)		97	47.4
279 (9679072)		123	52.8
280 (9679073)		128	43.8
281 (9679074)		157	62.7
282 (9679075)		166	51.0
283 (9679076)		169	68.7

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T405739

PROJECT:

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 CANADA L4Z 1N9  
 TEL (905)501-9998  
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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

DATE SAMPLED: Nov 04, 2018	DATE RECEIVED: Nov 05, 2018	DATE REPORTED: Dec 05, 2018	SAMPLE TYPE: Rock	
Analyte:	Au	Pd	Pt	
Unit:	ppm	ppm	ppm	
RDL:	0.001	0.001	0.005	
Sample ID (AGAT ID)				
233 (9679026)	0.002	<0.001	<0.005	
234 (9679027)	0.005	<0.001	<0.005	
235 (9679028)	<0.001	0.001	<0.005	
236 (9679029)	0.002	0.001	<0.005	
237 (9679030)	0.002	<0.001	<0.005	
238 (9679031)	0.003	<0.001	<0.005	
239 (9679032)	<0.001	<0.001	<0.005	
240 (9679033)	<0.001	<0.001	<0.005	
241 (9679034)	0.003	<0.001	<0.005	
242 (9679035)	0.026	0.010	<0.005	
243 (9679036)	0.004	0.002	<0.005	
244 (9679037)	<0.001	0.001	<0.005	
245 (9679038)	<0.001	0.001	<0.005	
246 (9679039)	<0.001	<0.001	<0.005	
247 (9679040)	0.001	<0.001	<0.005	
248 (9679041)	<0.001	<0.001	<0.005	
249 (9679042)	0.031	<0.001	<0.005	
250 (9679043)	<0.001	0.001	<0.005	
251 (9679044)	0.002	0.002	<0.005	
252 (9679045)	0.001	0.004	<0.005	
253 (9679046)	0.002	0.003	<0.005	
254 (9679047)	0.006	0.005	<0.005	
255 (9679048)	0.004	0.004	0.005	
256 (9679049)	0.001	0.003	<0.005	
257 (9679050)	<0.001	0.003	<0.005	
258 (9679051)	<0.001	0.004	<0.005	
259 (9679052)	<0.001	0.002	<0.005	
260 (9679053)	<0.001	0.003	<0.005	
261 (9679054)	<0.001	0.004	<0.005	
262 (9679055)	<0.001	0.004	<0.005	
263 (9679056)	0.001	0.003	<0.005	
264 (9679057)	0.008	0.004	<0.005	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T405739

PROJECT:

5623 McADAM ROAD  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

DATE SAMPLED: Nov 04, 2018	DATE RECEIVED: Nov 05, 2018	DATE REPORTED: Dec 05, 2018	SAMPLE TYPE: Rock
Analyte:	Au	Pd	Pt
Unit:	ppm	ppm	ppm
RDL:	0.001	0.001	0.005
Sample ID (AGAT ID)			
265 (9679058)	<0.001	0.004	<0.005
266 (9679059)	0.002	0.005	<0.005
267 (9679060)	<0.001	0.003	<0.005
268 (9679061)	0.003	0.004	<0.005
269 (9679062)	0.002	0.004	<0.005
270 (9679063)	0.003	0.003	<0.005
271 (9679064)	0.002	0.004	<0.005
272 (9679065)	0.001	0.006	<0.005
273 (9679066)	0.003	<0.001	<0.005
274 (9679067)	<0.001	0.002	<0.005
275 (9679068)	0.006	0.003	<0.005
276 (9679069)	<0.001	<0.001	<0.005
277 (9679070)	0.007	0.002	<0.005
278 (9679071)	0.002	0.004	<0.005
279 (9679072)	<0.001	0.011	0.009
280 (9679073)	<0.001	0.013	0.009
281 (9679074)	<0.001	0.004	<0.005
282 (9679075)	<0.001	0.008	<0.005
283 (9679076)	0.001	0.006	<0.005

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9679026	< 1	< 1	0.0%	9679037	< 1	< 1	0.0%	9679051	< 1	< 1	0.0%	9679061	< 1	< 1	0.0%
Al	9679026	7.88	7.64	3.1%	9679037	6.72	6.77	0.7%	9679049	7.21	7.18	0.4%	9679051	6.99	6.98	0.1%
As	9679026	6	< 5		9679037	< 5	< 5	0.0%	9679051	< 5	< 5	0.0%	9679061	38	30	23.5%
B	9679026	< 20	< 20	0.0%	9679037	< 20	< 20	0.0%	9679049	< 20	< 20	0.0%	9679051	< 20	< 20	0.0%
Ba	9679026	87.4	87.4	0.0%	9679037	517	518	0.2%	9679049	647	651	0.6%	9679051	455	470	3.2%
Be	9679026	5	5	0.0%	9679037	< 5	< 5	0.0%	9679051	< 5	< 5	0.0%	9679061	< 5	< 5	0.0%
Bi	9679026	0.36	0.34	5.7%	9679037	1.9	1.9	0.0%	9679051	0.65	0.64	1.6%	9679061	3.81	3.96	3.9%
Ca	9679026	7.93	7.88	0.6%	9679037	5.01	4.97	0.8%	9679049	7.03	6.78	3.6%	9679051	6.51	6.40	1.7%
Cd	9679026	0.2	0.2	0.0%	9679037	1.29	1.23	4.8%	9679051	0.2	0.3		9679061	3.5	3.3	5.9%
Ce	9679026	14.8	14.3	3.4%	9679037	49.2	48.8	0.8%	9679051	13.8	13.5	2.2%	9679061	21.3	21.1	0.9%
Co	9679026	39.3	37.9	3.6%	9679037	85.7	87.3	1.8%	9679051	38.2	39.5	3.3%	9679061	60.5	56.1	7.5%
Cr	9679026	0.025	0.024	4.1%	9679037	0.020	0.020	0.0%	9679049	0.029	0.029	0.0%	9679051	0.0284	0.0303	6.5%
Cs	9679026	0.9	0.9	0.0%	9679037	1.2	1.2	0.0%	9679051	0.6	0.6	0.0%	9679061	1.2	1.2	0.0%
Cu	9679026	89	96	7.6%	9679037	323	325	0.6%	9679049	179	182	1.7%	9679051	125	129	3.1%
Dy	9679026	4.34	4.29	1.2%	9679037	4.08	4.20	2.9%	9679051	3.34	3.37	0.9%	9679061	3.25	3.09	5.0%
Er	9679026	2.69	2.64	1.9%	9679037	2.58	2.49	3.6%	9679051	2.27	2.24	1.3%	9679061	2.19	2.27	3.6%
Eu	9679026	1.01	0.983	2.7%	9679037	1.76	1.77	0.6%	9679051	0.826	0.818	1.0%	9679061	1.01	1.06	4.8%
Fe	9679026	8.99	8.88	1.2%	9679037	7.83	7.73	1.3%	9679049	8.00	7.67	4.2%	9679051	6.80	6.85	0.7%
Ga	9679026	19.2	20.2	5.1%	9679037	22.2	23.1	4.0%	9679051	15.3	15.8	3.2%	9679061	20.9	19.3	8.0%
Gd	9679026	3.87	3.73	3.7%	9679037	5.18	4.99	3.7%	9679051	2.85	2.82	1.1%	9679061	2.88	2.88	0.0%
Ge	9679026	2	2	0.0%	9679037	2	2	0.0%	9679051	2	2	0.0%	9679061	2	1	
Hf	9679026	2	2	0.0%	9679037	3	3	0.0%	9679051	2	2	0.0%	9679061	2	2	0.0%
Ho	9679026	0.93	0.92	1.1%	9679037	0.87	0.91	4.5%	9679051	0.77	0.80	3.8%	9679061	0.75	0.76	1.3%
In	9679026	< 0.2	< 0.2	0.0%	9679037	< 0.2	< 0.2	0.0%	9679051	< 0.2	< 0.2	0.0%	9679061	0.2	0.2	0.0%
K	9679026	0.48	0.48	0.0%	9679037	0.71	0.72	1.4%	9679049	0.89	0.89	0.0%	9679051	0.71	0.72	1.4%
La	9679026	6.0	5.8	3.4%	9679037	26.7	26.8	0.4%	9679051	5.7	5.7	0.0%	9679061	10.2	10.1	1.0%
Li	9679026	27	26	3.8%	9679037	24	28	15.4%	9679049	32	31	3.2%	9679051	26	25	3.9%
Lu	9679026	0.446	0.423	5.3%	9679037	0.42	0.42	0.0%	9679051	0.37	0.38	2.7%	9679061	0.37	0.36	2.7%
Mg	9679026	3.01	3.22	6.7%	9679037	1.61	1.70	5.4%	9679049	3.75	3.85	2.6%	9679051	3.43	3.53	2.9%
Mn	9679026	1690	1620	4.2%	9679037	820	826	0.7%	9679049	1420	1410	0.7%	9679051	1290	1310	1.5%
Mo	9679026	5	4	22.2%	9679037	17	17	0.0%	9679051	5	6	18.2%	9679061	20	20	0.0%



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Nb	9679026	3	3	0.0%	9679037	4	4	0.0%	9679051	4	4	0.0%	9679061	4	3	28.6%
Nd	9679026	9.51	9.44	0.7%	9679037	20.3	20.3	0.0%	9679051	7.9	7.9	0.0%	9679061	10.2	10.3	1.0%
Ni	9679026	80	79	1.3%	9679037	70	70	0.0%	9679049	90	86	4.5%	9679051	84	91	8.0%
P	9679026	0.05	0.05	0.0%	9679037	0.073	0.077	5.3%	9679049	0.04	0.04	0.0%	9679051	0.04	0.04	0.0%
Pb	9679026	16	15	6.5%	9679037	80	80	0.0%	9679051	17	18	5.7%	9679061	66	65	1.5%
Pr	9679026	2.17	2.03	6.7%	9679037	5.43	5.59	2.9%	9679051	1.95	1.79	8.6%	9679061	2.58	2.60	0.8%
Rb	9679026	15.9	15.6	1.9%	9679037	30.1	29.5	2.0%	9679051	29.4	30.6	4.0%	9679061	65.2	59.6	9.0%
S	9679026	0.28	0.28	0.0%	9679037	2.28	2.34	2.6%	9679049	0.773	0.819	5.8%	9679051	0.574	0.631	9.5%
Sb	9679026	< 0.1	< 0.1	0.0%	9679037	< 0.1	< 0.1	0.0%	9679051	< 0.1	< 0.1	0.0%	9679061	0.2	< 0.1	
Sc	9679026	36	36	0.0%	9679037	23	23	0.0%	9679049	38	39	2.6%	9679051	33	34	3.0%
Si	9679026	25.0	24.1	3.7%	9679037	27.2	26.9	1.1%	9679049	26.1	25.3	3.1%	9679051	27.1	26.3	3.0%
Sm	9679026	3.09	2.91	6.0%	9679037	4.5	4.5	0.0%	9679051	2.20	2.36	7.0%	9679061	2.68	2.42	10.2%
Sn	9679026	1	2		9679037	9	8	11.8%	9679051	7	7	0.0%	9679061	4	1	
Sr	9679026	259	259	0.0%	9679037	263	260	1.1%	9679049	221	215	2.8%	9679051	216	211	2.3%
Ta	9679026	< 0.5	< 0.5	0.0%	9679037	< 0.5	< 0.5	0.0%	9679051	< 0.5	< 0.5	0.0%	9679061	< 0.5	< 0.5	0.0%
Tb	9679026	0.665	0.682	2.5%	9679037	0.77	0.72	6.7%	9679051	0.508	0.492	3.2%	9679061	0.47	0.48	2.1%
Th	9679026	0.56	0.54	3.6%	9679037	5.8	5.9	1.7%	9679051	2.5	2.5	0.0%	9679061	1.69	1.63	3.6%
Ti	9679026	0.67	0.65	3.0%	9679037	0.58	0.58	0.0%	9679049	0.56	0.55	1.8%	9679051	0.48	0.48	0.0%
Tl	9679026	< 0.5	< 0.5	0.0%	9679037	0.71	0.77	8.1%	9679051	< 0.5	< 0.5	0.0%	9679061	0.72	0.79	9.3%
Tm	9679026	0.433	0.438	1.1%	9679037	0.377	0.396	4.9%	9679051	0.352	0.372	5.5%	9679061	0.344	0.362	5.1%
U	9679026	0.159	0.154	3.2%	9679037	2.64	2.57	2.7%	9679051	1.52	1.65	8.2%	9679061	0.822	0.870	5.7%
V	9679026	299	302	1.0%	9679037	243	245	0.8%	9679049	266	266	0.0%	9679051	228	235	3.0%
W	9679026	< 1	< 1	0.0%	9679037	< 1	< 1	0.0%	9679051	< 1	< 1	0.0%	9679061	3	4	28.6%
Y	9679026	23.9	24.2	1.2%	9679037	24.0	24.2	0.8%	9679051	18.9	19.4	2.6%	9679061	20.0	18.3	8.9%
Yb	9679026	2.7	2.7	0.0%	9679037	2.55	2.54	0.4%	9679051	2.2	2.2	0.0%	9679061	2.31	2.15	7.2%
Zn	9679026	113	107	5.5%	9679037	155	150	3.3%	9679049	132	128	3.1%	9679051	95	95	0.0%
Zr	9679026	76.7	75.9	1.0%	9679037	96.8	93.7	3.3%	9679051	55.0	56.3	2.3%	9679061	70.5	68.8	2.4%

REPLICATE #5

Parameter	Sample ID	Original	Replicate	RPD												
Ag	9679076	6	4	40.0%												
Al	9679061	8.47	8.62	1.8%	9679073	6.86	6.84	0.3%	9679076	6.26	6.20	1.0%				
As	9679076	< 5	< 5	0.0%												
B	9679061	< 20	< 20	0.0%	9679073	< 20	< 20	0.0%	9679076	< 20	< 20	0.0%				
Ba	9679061	1020	1030	1.0%	9679073	287	295	2.7%	9679076	648	655	1.1%				



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Be	9679076	< 5	< 5	0.0%											
Bi	9679076	3.0	3.0	0.0%											
Ca	9679061	7.43	7.33	1.4%	9679073	8.17	8.29	1.5%	9679076	3.69	3.59	2.7%			
Cd	9679076	< 0.2	< 0.2	0.0%											
Ce	9679076	14.3	13.9	2.8%											
Co	9679076	125	138	9.9%											
Cr	9679061	0.031	0.031	0.0%	9679073	0.0184	0.0190	3.2%	9679076	0.035	0.039	10.8%			
Cs	9679076	23.7	23.7	0.0%											
Cu	9679061	469	469	0.0%	9679073	21	22	4.7%	9679076	150	170	12.5%			
Dy	9679076	2.61	2.44	6.7%											
Er	9679076	1.53	1.52	0.7%											
Eu	9679076	0.787	0.663	17.1%											
Fe	9679061	7.36	7.44	1.1%	9679073	8.80	8.92	1.4%	9679076	9.60	9.85	2.6%			
Ga	9679076	16.9	17.3	2.3%											
Gd	9679076	2.49	2.41	3.3%											
Ge	9679076	2	2	0.0%											
Hf	9679076	2	2	0.0%											
Ho	9679076	0.59	0.53	10.7%											
In	9679076	< 0.2	< 0.2	0.0%											
K	9679061	1.33	1.35	1.5%	9679073	0.98	1.00	2.0%	9679076	2.72	2.76	1.5%			
La	9679076	6.4	6.3	1.6%											
Li	9679061	51	53	3.8%	9679073	14	16	13.3%	9679076	101	99	2.0%			
Lu	9679076	0.274	0.264	3.7%											
Mg	9679061	3.77	3.87	2.6%	9679073	4.34	4.29	1.2%	9679076	3.64	3.55	2.5%			
Mn	9679061	1410	1450	2.8%	9679073	1940	1950	0.5%	9679076	1420	1440	1.4%			
Mo	9679076	8	11												
Nb	9679076	3	3	0.0%											
Nd	9679076	7.8	7.4	5.3%											
Ni	9679061	138	132	4.4%	9679073	97	97	0.0%	9679076	121	129	6.4%			
P	9679061	0.05	0.05	0.0%	9679073	0.04	0.04	0.0%	9679076	0.06	0.06	0.0%			
Pb	9679076	9	10	10.5%											
Pr	9679076	1.85	1.75	5.6%											
Rb	9679076	241	241	0.0%											
S	9679061	0.965	0.902	6.7%	9679073	1.17	1.20	2.5%	9679076	2.37	2.71	13.4%			



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Sb	9679076	< 0.1	< 0.1	0.0%												
Sc	9679061	40	40	0.0%	9679073	39	40	2.5%	9679076	28	28	0.0%				
Si	9679061	22.7	23.4	3.0%	9679073	23.7	23.8	0.4%	9679076	25.6	25.9	1.2%				
Sm	9679076	2.2	2.2	0.0%												
Sn	9679076	2	4	66.7%												
Sr	9679061	234	232	0.9%	9679073	376	382	1.6%	9679076	239	232	3.0%				
Ta	9679076	< 0.5	< 0.5	0.0%												
Tb	9679076	0.405	0.406	0.2%												
Th	9679076	2.07	1.93	7.0%												
Ti	9679061	0.57	0.58	1.7%	9679073	0.46	0.46	0.0%	9679076	0.503	0.507	0.8%				
Tl	9679076	2.79	2.70	3.3%												
Tm	9679076	0.27	0.27	0.0%												
U	9679076	1.03	0.97	6.0%												
V	9679061	263	265	0.8%	9679073	234	239	2.1%	9679076	162	164	1.2%				
W	9679076	< 1	< 1	0.0%												
Y	9679076	13.8	13.5	2.2%												
Yb	9679076	1.6	1.6	0.0%												
Zn	9679061	509	498	2.2%	9679073	128	134	4.6%	9679076	169	171	1.2%				
Zr	9679076	68.7	66.5	3.3%												

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	9679026	0.002	0.002	0.0%	9679037	< 0.001	0.005		9679049	0.001	< 0.001		9679051	< 0.001	0.002	
Pd	9679026	< 0.001	< 0.001	0.0%	9679037	0.001	0.002		9679049	0.003	0.003	0.0%	9679051	0.004	0.004	0.0%
Pt	9679026	< 0.005	< 0.005	0.0%	9679037	< 0.005	< 0.005	0.0%	9679049	< 0.005	< 0.005	0.0%	9679051	< 0.005	< 0.005	0.0%
Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7							
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Au	9679061	0.003	0.002		9679073	< 0.001	< 0.001	0.0%	9679076	0.001	0.002					
Pd	9679061	0.0040	0.0033	19.2%	9679073	0.013	0.013	0.0%	9679076	0.0061	0.0066	7.9%				
Pt	9679061	< 0.005	< 0.005	0.0%	9679073	0.009	0.009	0.0%	9679076	< 0.005	< 0.005	0.0%				





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(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.Till-2)				CRM #3 (ref.PG129)				CRM #4			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Al	10.95	10.6	97%	90% - 110%	8.47	8.24	97%	90% - 110%								
As					26	25	96%	90% - 110%	25	23	91%	90% - 110%				
Ba	340	328	96%	90% - 110%	540	518	96%	90% - 110%								
Be	2.6	3	114%	90% - 110%	4.0	3.2	79%	90% - 110%								
Ca	5.72	5.53	97%	90% - 110%	0.907	0.935	103%	90% - 110%								
Ce	122	132	108%	90% - 110%	98	105	107%	90% - 110%								
Co	2.8	2.5	90%	90% - 110%	15	15	98%	90% - 110%	1202	1300	108%	90% - 110%				
Cs	1.5	1.4	96%	90% - 110%												
Cu	7	5	76%	90% - 110%	150	150	100%	90% - 110%	15414	14404	93%	90% - 110%				
Dy	18.2	19.1	105%	90% - 110%												
Er	14.2	14.8	104%	90% - 110%	3.7	3.8	102%	90% - 110%								
Eu	2.0	2	101%	90% - 110%												
Fe	4.34	4.25	98%	90% - 110%	3.77	3.78	100%	90% - 110%								
Ga	35	33	95%	90% - 110%												
Gd	14	15	109%	90% - 110%												
Hf	10.6	11.6	110%	90% - 110%	11	10	89%	90% - 110%								
Ho	4.3	4.7	110%	90% - 110%												
K	1.37	1.41	103%	90% - 110%	2.55	2.51	98%	90% - 110%								
La	58	62	107%	90% - 110%	44	48	109%	90% - 110%								
Li	37	37	101%	90% - 110%	47	47	99%	90% - 110%								
Lu	2.1	2.2	105%	90% - 110%	0.6	0.6	95%	90% - 110%								
Mg	0.325	0.295	91%	90% - 110%	1.1	1.1	97%	90% - 110%								
Mn	836	808	97%	90% - 110%	780	759	97%	90% - 110%								
Mo					14	13	91%	90% - 110%								
Nb	13	13	99%	90% - 110%	20	18	90%	90% - 110%								
Nd	57	58	101%	90% - 110%												
Ni					32	37	115%	90% - 110%	23610	22567	96%	90% - 110%				
Pb	10	10	99%	90% - 110%	31	30	98%	90% - 110%	41	42	102%	90% - 110%				
Pr	15.0	15.9	106%	90% - 110%												
Rb	55	50	91%	90% - 110%	144	142	99%	90% - 110%								
Sc					12	11	94%	90% - 110%								



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD; RYAN MCILVENNA

Si	23.3	23.6	101%	90% - 110%	28.4	29.3	103%	90% - 110%								
Sm	12.7	13	103%	90% - 110%	7.4	7.6	102%	90% - 110%								
Sn	7.1	6.9	97%	90% - 110%												
Sr	1191	1169	98%	90% - 110%	144	149	104%	90% - 110%								
Ta	0.9	0.7	79%	90% - 110%	1.9	1.6	85%	90% - 110%								
Tb	2.6	2.9	110%	90% - 110%	1.2	1.2	101%	90% - 110%								
Th	1.4	1.3	94%	90% - 110%	18.4	17.3	94%	90% - 110%								
Ti	0.172	0.164	95%	90% - 110%	0.527	0.496	94%	90% - 110%								
Tm	2.3	2.4	105%	90% - 110%												
U	0.8	0.9	110%	90% - 110%	5.7	5.1	89%	90% - 110%								
V					77	76	99%	90% - 110%								
W					5	5	96%	90% - 110%								
Y	119	113	95%	90% - 110%	40	36	90%	90% - 110%								
Yb	14.8	15.4	104%	90% - 110%												
Zn	93	89	96%	90% - 110%	130	128	98%	90% - 110%	90	84	93%	90% - 110%				
Zr	517	559	108%	90% - 110%	390	362	93%	90% - 110%								

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

Parameter	CRM #1 (ref.PG129)				CRM #2 (ref.PG129)				CRM #3 (ref.PG129)				CRM #4			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	1.1	1.1	100%	90% - 110%	1.1	1.1	100%	90% - 110%	1.1	1.07	97%	90% - 110%				
Pd	0.115	0.12	104%	90% - 110%	0.115	0.124	108%	90% - 110%					0.115	0.105	91%	90% - 110%
Pt	0.239	0.240	100%	90% - 110%	0.239	0.222	93%	90% - 110%					0.239	0.229	95%	90% - 110%



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T405739

PROJECT:

ATTENTION TO: GUY EUGENE RICHARD; RYAN

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T405739

PROJECT:

ATTENTION TO: GUY EUGENE RICHARD; RYAN

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pd	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pt	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES



CLIENT NAME: CREELMAN GOLD CORP  
1886 PENAGE LAKE RD  
WHITEFISH, ON P0M 3E0  
705-207-8616

ATTENTION TO: GUY EUGENE RICHARD

PROJECT:

AGAT WORK ORDER: 18T409221

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Dec 04, 2018

PAGES (INCLUDING COVER): 24

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

\*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



## Certificate of Analysis

AGAT WORK ORDER: 18T409221

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (200-) Sample Login Weight

DATE SAMPLED: Nov 15, 2018      DATE RECEIVED: Nov 14, 2018      DATE REPORTED: Dec 04, 2018      SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Sample Login Weight kg 0.01
#284 (9706831)		0.93
#285 (9706832)		1.38
#286 (9706833)		1.64
#287 (9706834)		1.38
#288 (9706835)		0.46
#289 (9706836)		1.00
#290 (9706837)		1.01
#291 (9706838)		1.73
#292 (9706839)		1.38
#293 (9706840)		1.58
#294 (9706841)		1.46
#295 (9706842)		1.61
#296 (9706843)		1.31
#297 (9706844)		1.88
#298 (9706845)		1.44
#299 (9706846)		1.73
#300 (9706847)		0.98
#301 (9706848)		0.78
#302 (9706849)		1.61
#303 (9706850)		1.89
#304 (9706851)		1.81
#305 (9706852)		2.21
#306 (9706853)		2.37
#307 (9706854)		1.23
#308 (9706855)		1.80
#309 (9706856)		2.07
#310 (9706857)		1.60
#311 (9706858)		1.16
#312 (9706859)		1.37
#313 (9706860)		2.25
#314 (9706861)		1.10

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T409221

PROJECT:

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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (200-) Sample Login Weight

DATE SAMPLED: Nov 15, 2018      DATE RECEIVED: Nov 14, 2018      DATE REPORTED: Dec 04, 2018      SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
#315 (9706862)		1.88
#316 (9706863)		0.82
#317 (9706864)		2.04
#318 (9706865)		1.99
#319 (9706866)		1.40
#320 (9706867)		1.55
#321 (9706868)		1.38
#322 (9706869)		1.32
#323 (9706870)		2.75
#324 (9706871)		1.15
#325 (9706872)		1.79
#326 (9706873)		1.06
#327 (9706874)		1.31
#328 (9706875)		1.05
#329 (9706876)		0.69
#330 (9706877)		1.32
#331 (9706878)		1.46
#332 (9706879)		0.93
#333 (9706880)		0.86
#334 (9706881)		1.15
#335 (9706882)		1.63
#336 (9706883)		1.19
#337 (9706884)		1.47
#338 (9706885)		1.06
#339 (9706886)		2.39
#340 (9706887)		1.01
#341 (9706888)		1.72
#342 (9706889)		1.64
#343 (9706890)		1.18
#344 (9706891)		0.62
#345 (9706892)		1.04

Certified By:



**AGAT** Laboratories

# Certificate of Analysis

AGAT WORK ORDER: 18T409221

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

(200-) Sample Login Weight

DATE SAMPLED: Nov 15, 2018

DATE RECEIVED: Nov 14, 2018

DATE REPORTED: Dec 04, 2018

SAMPLE TYPE: Other

Comments: RDL - Reported Detection Limit

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 18T409221

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Nov 15, 2018	DATE RECEIVED: Nov 14, 2018					DATE REPORTED: Dec 04, 2018					SAMPLE TYPE: Other				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
#284 (9706831)	<1	8.28	39	<20	1260	<5	3.3	4.55	0.8	47.0	87.8	0.015	2.1	58	
#285 (9706832)	<1	7.14	14	<20	824	<5	2.5	3.78	0.6	45.9	67.0	0.021	1.6	74	
#286 (9706833)	1	8.31	16	<20	1180	<5	13.1	6.54	6.3	63.6	50.4	0.027	1.7	215	
#287 (9706834)	<1	7.85	<5	<20	1200	<5	1.5	4.27	1.0	20.3	44.3	0.034	3.2	113	
#288 (9706835)	<1	5.74	<5	<20	429	<5	1.2	1.99	<0.2	20.3	38.4	0.032	1.4	127	
#289 (9706836)	1	6.35	37	<20	716	<5	1.3	6.98	0.3	15.9	74.9	0.009	1.2	401	
#290 (9706837)	1	6.79	33	<20	603	<5	2.1	7.82	0.6	18.4	78.7	0.011	1.0	265	
#291 (9706838)	1	6.70	39	<20	956	<5	1.7	6.54	0.4	15.9	84.4	0.009	1.2	331	
#292 (9706839)	<1	6.95	30	<20	711	<5	2.2	7.63	0.2	19.9	82.8	0.009	0.9	157	
#293 (9706840)	1	10.1	<5	<20	48.3	<5	0.4	<0.05	<0.2	1.9	67.6	<0.005	0.4	<5	
#294 (9706841)	<1	10.0	<5	<20	108	<5	0.2	0.31	<0.2	13.8	56.9	0.006	1.2	<5	
#295 (9706842)	<1	5.57	<5	<20	338	<5	0.1	0.94	<0.2	40.3	20.9	0.022	1.6	<5	
#296 (9706843)	<1	2.93	<5	<20	134	<5	<0.1	0.36	<0.2	16.8	15.1	0.020	1.3	<5	
#297 (9706844)	<1	6.45	<5	<20	476	<5	0.3	1.20	<0.2	71.8	17.7	0.029	4.3	<5	
#298 (9706845)	<1	8.66	6	<20	514	<5	1.2	2.10	<0.2	30.8	290	0.026	10.8	71	
#299 (9706846)	<1	8.63	5	<20	283	<5	1.1	2.38	<0.2	27.8	239	0.021	5.2	37	
#300 (9706847)	<1	8.90	<5	<20	636	<5	0.4	2.15	<0.2	31.7	75.9	0.021	14.5	77	
#301 (9706848)	<1	5.55	54	<20	175	<5	1.8	1.42	<0.2	25.9	58.3	0.026	3.2	67	
#302 (9706849)	<1	6.26	42	<20	139	<5	1.4	1.44	<0.2	18.8	40.9	0.029	2.5	51	
#303 (9706850)	<1	6.54	11	<20	120	<5	1.2	1.94	<0.2	36.7	37.5	0.024	2.7	32	
#304 (9706851)	<1	5.75	6	<20	91.7	<5	1.6	2.26	<0.2	27.7	69.3	0.031	1.9	79	
#305 (9706852)	<1	5.71	5	<20	106	<5	1.3	1.80	<0.2	31.1	128	0.026	2.1	77	
#306 (9706853)	<1	6.62	<5	<20	101	<5	0.6	2.75	0.2	24.4	29.0	0.030	1.0	15	
#307 (9706854)	<1	3.12	<5	<20	73.3	<5	0.5	0.87	<0.2	16.9	21.6	0.026	1.1	25	
#308 (9706855)	<1	6.87	<5	<20	23.0	<5	1.0	6.47	0.3	9.9	58.3	0.031	0.3	49	
#309 (9706856)	1	3.65	<5	<20	106	<5	1.7	0.63	<0.2	18.9	6.4	0.029	1.2	1650	
#310 (9706857)	2	2.96	<5	<20	59.4	<5	1.9	0.48	<0.2	20.4	7.9	0.027	0.6	6250	
#311 (9706858)	1	8.85	81	<20	22.7	<5	0.4	0.14	<0.2	5.9	70.2	0.010	<0.1	45	
#312 (9706859)	1	8.82	48	<20	22.1	<5	0.2	0.13	<0.2	5.1	41.9	0.010	<0.1	35	
#313 (9706860)	1	7.74	<5	<20	172	<5	4.9	2.53	<0.2	54.9	101	0.023	6.0	1420	
#314 (9706861)	<1	8.38	<5	<20	1330	<5	0.6	1.36	<0.2	73.5	29.4	0.021	12.9	195	
#315 (9706862)	<1	4.12	<5	<20	360	<5	8.1	0.06	<0.2	89.4	36.7	0.032	6.1	293	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T409221

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Nov 15, 2018	DATE RECEIVED: Nov 14, 2018					DATE REPORTED: Dec 04, 2018					SAMPLE TYPE: Other				
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
#316 (9706863)	<1	3.60	<5	<20	319	<5	17.1	0.05	<0.2	76.7	18.1	0.023	4.6	121	
#317 (9706864)	1	2.70	13	<20	197	<5	24.6	<0.05	0.4	30.6	23.6	0.026	2.4	204	
#318 (9706865)	<1	4.14	39	<20	332	<5	27.0	0.05	0.3	62.6	31.1	0.029	4.4	327	
#319 (9706866)	1	3.87	23	<20	276	<5	26.2	<0.05	0.4	54.5	29.9	0.022	5.4	455	
#320 (9706867)	2	4.14	23	<20	308	<5	24.0	<0.05	0.4	87.4	37.2	0.027	5.4	417	
#321 (9706868)	2	4.47	15	<20	346	<5	18.1	0.05	0.8	90.1	27.2	0.023	6.7	554	
#322 (9706869)	2	4.29	14	<20	341	<5	18.3	<0.05	0.8	55.4	24.9	0.021	5.1	364	
#323 (9706870)	1	4.48	43	<20	350	<5	26.8	<0.05	0.8	69.3	37.6	0.030	6.3	511	
#324 (9706871)	1	3.86	23	<20	272	<5	25.6	<0.05	0.5	64.9	31.5	0.022	6.1	310	
#325 (9706872)	<1	6.69	<5	<20	595	<5	1.2	1.91	<0.2	76.4	17.0	0.015	13.4	23	
#326 (9706873)	<1	2.68	<5	<20	930	<5	1.7	0.26	<0.2	127	18.8	0.023	1.6	34	
#327 (9706874)	<1	2.08	<5	<20	723	<5	1.7	0.20	<0.2	104	13.4	0.017	1.2	29	
#328 (9706875)	<1	4.44	5	<20	2650	<5	4.9	0.65	<0.2	113	34.0	0.019	2.3	76	
#329 (9706876)	<1	2.30	<5	<20	1020	<5	1.9	0.36	<0.2	318	13.2	0.020	1.0	40	
#330 (9706877)	1	1.86	<5	31	750	<5	1.3	0.08	<0.2	584	11.8	0.024	0.8	36	
#331 (9706878)	<1	8.42	<5	<20	1100	<5	0.3	1.42	<0.2	67.0	22.2	0.021	5.0	63	
#332 (9706879)	<1	2.59	<5	<20	321	<5	0.2	0.50	<0.2	9.9	9.1	0.038	1.4	26	
#333 (9706880)	<1	7.23	<5	<20	1220	<5	0.7	1.21	<0.2	81.4	44.8	0.028	11.6	172	
#334 (9706881)	<1	8.44	<5	<20	1220	<5	0.6	1.49	<0.2	34.1	60.5	0.013	11.2	80	
#335 (9706882)	<1	6.33	7	<20	292	<5	1.4	5.59	<0.2	51.2	72.0	0.050	1.8	283	
#336 (9706883)	<1	7.61	7	<20	1410	<5	0.6	0.85	<0.2	5.7	67.3	0.037	3.9	163	
#337 (9706884)	<1	4.38	6	<20	702	<5	0.6	0.48	<0.2	14.3	54.4	0.041	1.9	148	
#338 (9706885)	<1	5.94	5	<20	739	<5	0.9	1.45	<0.2	33.3	41.6	0.051	5.7	161	
#339 (9706886)	<1	5.39	<5	<20	277	<5	0.7	3.73	<0.2	36.1	36.2	0.043	1.3	29	
#340 (9706887)	<1	5.28	<5	<20	167	<5	0.4	1.07	<0.2	23.8	15.5	0.023	1.3	112	
#341 (9706888)	<1	8.36	<5	<20	1010	<5	0.4	1.75	<0.2	43.9	17.0	0.021	4.5	75	
#342 (9706889)	1	7.71	<5	<20	50.1	<5	0.2	0.54	<0.2	7.9	40.1	0.013	0.3	156	
#343 (9706890)	<1	5.78	<5	<20	103	<5	0.4	1.07	<0.2	15.3	31.8	0.019	0.7	75	
#344 (9706891)	2	5.47	33	<20	293	<5	8.3	3.35	1.4	5.8	1890	0.031	1.1	2870	
#345 (9706892)	3	6.86	11	<20	170	<5	3.2	4.27	3.4	4.8	527	0.024	0.4	5770	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T409221

PROJECT:

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FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Nov 15, 2018	DATE RECEIVED: Nov 14, 2018					DATE REPORTED: Dec 04, 2018					SAMPLE TYPE: Other				
Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05	
#284 (9706831)	4.82	2.60	1.54	8.06	17.1	5.26	1	5	1.00	<0.2	1.35	21.4	56	0.44	
#285 (9706832)	4.42	2.39	1.37	6.77	16.5	4.62	1	4	0.87	<0.2	0.99	19.4	51	0.35	
#286 (9706833)	3.92	2.33	1.35	7.57	18.9	4.74	2	3	0.82	<0.2	1.33	32.6	57	0.38	
#287 (9706834)	3.67	2.20	1.10	7.58	19.2	3.57	2	2	0.78	<0.2	1.86	9.5	83	0.30	
#288 (9706835)	2.47	1.41	0.56	6.71	17.1	2.03	2	1	0.50	<0.2	0.95	6.0	68	0.19	
#289 (9706836)	4.82	3.22	1.48	10.7	18.3	4.14	2	3	1.14	<0.2	1.04	6.7	37	0.56	
#290 (9706837)	4.38	3.06	1.11	10.8	21.4	3.88	2	3	1.04	<0.2	0.78	8.5	30	0.54	
#291 (9706838)	5.06	3.39	1.31	11.8	17.6	4.29	2	3	1.19	<0.2	1.24	6.7	46	0.62	
#292 (9706839)	4.58	3.10	1.20	11.1	20.4	3.65	2	3	1.10	<0.2	0.84	9.2	32	0.54	
#293 (9706840)	0.22	0.14	<0.05	16.4	46.0	0.23	1	<1	<0.05	<0.2	<0.05	1.1	191	<0.05	
#294 (9706841)	0.54	0.31	0.23	14.4	41.1	0.88	1	1	0.12	<0.2	0.33	7.0	167	<0.05	
#295 (9706842)	1.64	0.89	0.64	5.69	19.8	2.41	1	2	0.31	<0.2	0.78	20.1	64	0.13	
#296 (9706843)	0.82	0.35	0.22	3.01	11.1	0.98	<1	<1	0.15	<0.2	0.47	8.3	43	0.07	
#297 (9706844)	2.71	1.36	1.15	4.83	21.0	4.38	1	3	0.53	<0.2	1.65	35.7	76	0.22	
#298 (9706845)	1.91	1.04	0.70	8.43	20.4	2.35	2	4	0.39	<0.2	2.38	13.8	67	0.19	
#299 (9706846)	2.37	1.21	0.65	6.10	17.4	2.63	1	5	0.46	<0.2	1.32	13.1	35	0.22	
#300 (9706847)	2.53	1.34	0.80	7.36	24.5	2.95	2	3	0.48	<0.2	2.97	14.7	82	0.22	
#301 (9706848)	1.33	0.67	0.82	9.67	16.5	1.96	<1	3	0.25	<0.2	1.09	15.2	35	0.10	
#302 (9706849)	1.38	0.70	0.63	6.65	14.6	1.47	<1	3	0.27	<0.2	0.91	9.8	32	0.12	
#303 (9706850)	2.23	1.00	0.99	5.16	17.4	3.13	1	3	0.40	<0.2	0.85	19.5	39	0.16	
#304 (9706851)	1.75	1.01	0.75	6.73	15.4	2.09	1	3	0.37	<0.2	0.60	16.5	30	0.17	
#305 (9706852)	1.80	1.07	0.76	8.91	17.5	2.31	1	3	0.36	<0.2	0.64	17.4	44	0.17	
#306 (9706853)	1.90	0.93	0.63	3.71	15.6	2.05	1	3	0.35	<0.2	0.51	11.0	23	0.13	
#307 (9706854)	0.88	0.44	0.35	2.84	9.17	1.07	1	1	0.16	<0.2	0.42	9.6	17	0.07	
#308 (9706855)	3.31	2.13	0.99	7.74	22.2	3.10	3	1	0.75	<0.2	0.21	4.6	16	0.33	
#309 (9706856)	1.25	0.76	0.33	2.50	10.2	1.30	<1	2	0.27	<0.2	0.53	8.8	18	0.13	
#310 (9706857)	1.17	0.71	0.39	3.73	11.3	1.37	<1	<1	0.23	<0.2	0.33	10.3	20	0.11	
#311 (9706858)	0.57	0.47	<0.05	3.94	34.6	0.31	<1	1	0.15	<0.2	0.29	3.2	<10	0.10	
#312 (9706859)	0.13	0.08	<0.05	3.28	34.2	0.20	<1	<1	<0.05	<0.2	0.30	2.6	<10	<0.05	
#313 (9706860)	3.40	1.69	1.07	17.6	29.8	3.96	2	3	0.63	<0.2	0.74	28.7	21	0.29	
#314 (9706861)	3.95	2.12	1.68	6.45	23.7	5.06	2	4	0.84	<0.2	3.12	38.3	34	0.37	
#315 (9706862)	7.03	3.77	0.91	3.40	11.9	7.59	1	7	1.43	<0.2	2.67	44.1	35	0.52	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T409221

PROJECT:

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Nov 15, 2018

DATE RECEIVED: Nov 14, 2018

DATE REPORTED: Dec 04, 2018

SAMPLE TYPE: Other

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
#316 (9706863)	3.21	1.91	0.45	2.14	10.1	3.38	<1	6	0.71	<0.2	2.19	40.5	30	0.35
#317 (9706864)	3.24	1.80	0.35	3.58	7.12	2.58	<1	5	0.67	<0.2	1.39	13.7	18	0.30
#318 (9706865)	4.72	2.60	0.74	4.54	11.8	5.04	<1	7	0.94	<0.2	2.33	28.8	25	0.44
#319 (9706866)	5.46	2.99	0.56	4.85	10.9	4.51	<1	8	1.09	<0.2	2.18	30.0	23	0.50
#320 (9706867)	6.28	3.32	0.91	4.38	11.6	6.02	1	8	1.26	<0.2	2.28	42.9	23	0.50
#321 (9706868)	5.09	2.78	0.96	3.84	13.0	5.79	1	8	1.03	<0.2	2.66	43.0	26	0.45
#322 (9706869)	5.57	3.03	0.71	3.51	12.4	4.90	<1	8	1.17	<0.2	2.47	27.4	24	0.49
#323 (9706870)	6.16	3.34	0.81	4.53	11.6	6.02	<1	7	1.26	<0.2	2.49	31.7	28	0.49
#324 (9706871)	5.87	3.33	0.71	4.40	10.9	5.84	<1	7	1.18	<0.2	2.20	30.9	24	0.49
#325 (9706872)	4.91	2.61	1.28	4.56	19.6	6.06	1	5	1.01	<0.2	2.70	35.5	85	0.46
#326 (9706873)	3.75	1.47	2.03	4.15	10.3	7.83	1	2	0.64	<0.2	1.49	69.5	62	0.18
#327 (9706874)	3.31	1.32	1.45	4.33	7.83	5.92	1	1	0.60	<0.2	1.21	47.6	50	0.18
#328 (9706875)	4.65	1.98	2.27	6.48	14.3	8.06	2	3	0.82	0.5	2.60	64.6	69	0.28
#329 (9706876)	7.61	2.35	4.79	4.70	9.11	19.7	2	1	1.19	0.2	1.32	172	58	0.25
#330 (9706877)	8.87	2.46	6.14	7.32	8.39	25.1	2	<1	1.28	<0.2	1.35	237	70	0.23
#331 (9706878)	3.61	1.88	1.29	5.45	23.5	4.58	1	3	0.74	<0.2	2.80	34.2	68	0.31
#332 (9706879)	0.97	0.50	0.35	2.87	7.09	1.11	<1	<1	0.18	<0.2	0.89	4.3	32	0.08
#333 (9706880)	6.56	3.11	2.56	10.1	26.7	9.35	1	4	1.23	<0.2	3.56	37.4	124	0.53
#334 (9706881)	7.47	4.29	1.51	9.29	26.5	6.44	1	4	1.55	<0.2	3.55	14.7	116	0.67
#335 (9706882)	3.66	1.66	1.52	8.24	16.6	5.04	1	4	0.70	<0.2	0.91	24.3	35	0.23
#336 (9706883)	2.82	1.97	0.56	3.83	19.8	1.88	1	1	0.65	<0.2	2.37	2.8	42	0.30
#337 (9706884)	2.84	1.53	0.50	3.00	10.5	2.17	1	<1	0.56	<0.2	1.32	6.5	25	0.23
#338 (9706885)	2.26	1.29	1.00	5.82	16.3	3.16	1	3	0.48	<0.2	2.10	15.5	55	0.18
#339 (9706886)	2.66	1.30	1.17	4.94	18.6	3.40	2	2	0.52	<0.2	0.89	17.9	23	0.18
#340 (9706887)	1.06	0.63	0.44	2.80	13.3	1.41	<1	3	0.21	<0.2	0.70	11.0	31	0.10
#341 (9706888)	2.67	1.44	0.92	4.86	23.1	2.63	2	4	0.53	<0.2	2.37	20.0	66	0.25
#342 (9706889)	0.35	0.20	0.11	9.62	33.5	0.59	<1	1	0.08	<0.2	0.19	3.8	84	<0.05
#343 (9706890)	0.98	0.70	0.27	5.29	18.8	0.86	1	2	0.24	<0.2	0.41	6.4	43	0.11
#344 (9706891)	1.92	1.25	0.47	19.8	13.0	1.53	1	<1	0.43	<0.2	0.59	2.5	18	0.20
#345 (9706892)	1.79	1.13	0.44	10.0	13.1	1.38	1	<1	0.42	<0.2	0.44	2.0	11	0.19

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T409221

PROJECT:

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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Nov 15, 2018	DATE RECEIVED: Nov 14, 2018					DATE REPORTED: Dec 04, 2018					SAMPLE TYPE: Other				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01	
#284 (9706831)	2.16	799	57	5	23.3	95	0.11	101	5.95	57.4	3.99	0.2	29	23.5	
#285 (9706832)	2.56	949	39	4	20.8	105	0.07	75	5.25	39.9	2.23	0.2	25	26.9	
#286 (9706833)	3.92	1380	37	3	27.1	99	0.06	246	7.37	61.7	1.49	0.3	34	23.7	
#287 (9706834)	3.95	1170	4	1	11.2	119	0.05	41	2.61	89.4	0.48	0.2	36	24.6	
#288 (9706835)	4.07	1310	6	<1	6.4	110	0.01	29	1.54	32.1	0.15	0.2	28	30.3	
#289 (9706836)	4.28	1590	5	3	10.7	57	0.05	32	2.28	56.6	3.82	0.3	47	22.1	
#290 (9706837)	3.97	1580	3	4	11.6	59	0.05	38	2.52	39.2	3.72	0.3	45	21.0	
#291 (9706838)	3.79	1420	10	4	11.1	60	0.06	28	2.40	62.3	5.35	0.3	48	20.8	
#292 (9706839)	3.74	1440	11	4	12.1	56	0.04	33	2.77	43.5	4.72	0.3	46	20.1	
#293 (9706840)	10.4	3820	2	<1	1.0	317	0.02	<5	0.26	5.0	0.10	0.1	<5	12.0	
#294 (9706841)	8.73	3450	<2	<1	6.2	283	<0.01	<5	1.64	20.5	0.10	<0.1	5	16.3	
#295 (9706842)	2.89	1190	3	3	16.8	99	0.03	7	4.65	37.4	0.01	0.2	10	33.1	
#296 (9706843)	1.53	721	6	<1	6.9	53	0.02	<5	1.85	25.0	0.10	0.2	<5	39.4	
#297 (9706844)	2.48	1090	3	7	29.1	85	0.05	11	8.22	95.1	0.07	0.2	15	31.2	
#298 (9706845)	2.47	895	53	4	13.1	109	0.09	42	3.40	151	2.97	<0.1	10	24.3	
#299 (9706846)	1.31	515	44	1	12.9	65	0.06	48	3.28	73.5	2.66	0.1	8	27.2	
#300 (9706847)	3.12	1110	16	6	13.8	112	0.09	37	3.51	190	0.56	0.1	14	25.4	
#301 (9706848)	1.50	683	14	2	11.4	128	0.08	51	3.02	55.0	5.83	0.5	9	27.2	
#302 (9706849)	1.33	654	13	3	8.8	102	0.06	47	2.22	41.9	4.32	0.2	9	29.8	
#303 (9706850)	1.92	1020	5	4	16.8	75	0.06	32	4.33	47.2	1.86	0.2	9	30.9	
#304 (9706851)	1.78	1160	10	3	11.2	96	0.03	40	2.90	29.8	3.12	0.1	9	31.0	
#305 (9706852)	2.30	1050	4	3	13.2	122	0.05	31	3.50	32.1	4.74	0.1	11	28.2	
#306 (9706853)	1.99	1270	6	2	11.7	66	<0.01	35	3.06	22.4	0.49	0.1	11	31.5	
#307 (9706854)	0.72	351	12	<1	7.2	40	0.04	11	1.86	17.4	0.93	0.2	<5	39.8	
#308 (9706855)	3.16	2100	5	1	7.5	101	0.03	29	1.44	4.6	0.60	0.4	37	26.8	
#309 (9706856)	0.89	523	10	1	7.6	34	0.03	8	2.12	34.5	0.24	0.2	7	39.1	
#310 (9706857)	1.18	675	10	<1	8.1	50	<0.01	8	2.34	17.3	0.71	0.2	5	39.4	
#311 (9706858)	1.48	130	4	10	1.8	25	<0.01	192	0.57	13.1	1.60	0.1	<5	28.9	
#312 (9706859)	1.41	124	4	10	1.8	25	<0.01	173	0.53	13.4	0.91	<0.1	<5	28.8	
#313 (9706860)	1.58	1100	6	7	24.7	203	0.08	19	6.47	46.9	5.29	0.3	17	20.2	
#314 (9706861)	1.51	842	4	8	31.8	69	0.06	17	8.70	144	0.38	0.2	19	28.6	
#315 (9706862)	0.83	274	21	14	36.9	54	0.02	15	10.2	204	0.91	0.1	8	38.2	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T409221

PROJECT:

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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Nov 15, 2018	DATE RECEIVED: Nov 14, 2018					DATE REPORTED: Dec 04, 2018					SAMPLE TYPE: Other				
Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si	
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	
Sample ID (AGAT ID)	RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
#316 (9706863)		0.62	204	14	7	29.2	44	0.01	11	8.46	155	0.37	<0.1	6	40.9
#317 (9706864)		0.47	102	19	7	12.9	24	<0.01	26	3.58	78.5	1.90	0.2	<5	39.9
#318 (9706865)		0.78	149	22	11	26.0	34	0.03	30	7.22	139	2.32	0.3	5	37.4
#319 (9706866)		0.79	159	38	11	20.6	28	<0.01	66	5.85	149	2.22	0.3	<5	36.8
#320 (9706867)		0.62	115	23	11	34.1	33	<0.01	49	9.99	151	2.36	0.3	5	35.4
#321 (9706868)		0.90	164	20	12	35.2	27	0.03	26	10.0	186	1.63	0.3	5	35.5
#322 (9706869)		0.68	130	16	11	22.1	22	<0.01	53	6.17	152	1.66	0.2	<5	36.8
#323 (9706870)		0.83	182	26	11	29.5	42	0.03	24	8.05	165	2.53	0.3	5	36.3
#324 (9706871)		0.83	171	16	10	26.8	33	0.02	25	7.42	154	2.23	0.2	<5	37.7
#325 (9706872)		2.33	1000	9	17	33.9	50	0.07	20	9.11	307	0.07	<0.1	14	30.1
#326 (9706873)		1.80	515	7	1	58.8	53	0.10	9	15.2	61.6	0.01	0.5	6	38.1
#327 (9706874)		1.25	389	3	<1	41.5	41	0.04	12	10.9	55.4	<0.01	0.5	5	40.4
#328 (9706875)		2.13	628	6	3	55.4	66	0.13	20	15.2	112	<0.01	0.8	13	32.6
#329 (9706876)		1.29	386	4	<1	143	42	0.07	8	37.5	62.4	<0.01	0.5	7	38.7
#330 (9706877)		0.81	252	8	<1	205	34	0.01	8	53.5	65.5	0.02	0.6	<5	36.4
#331 (9706878)		1.90	1060	3	7	28.1	67	0.06	11	7.83	136	0.12	0.2	18	28.0
#332 (9706879)		1.14	326	10	<1	4.5	38	0.01	<5	1.07	33.2	0.38	0.2	8	40.6
#333 (9706880)		4.60	1330	3	6	44.7	104	0.13	13	10.6	180	2.19	0.1	35	23.0
#334 (9706881)		4.35	1570	4	6	21.6	84	0.09	23	4.65	176	1.81	0.1	45	21.7
#335 (9706882)		3.74	1680	11	4	25.3	113	0.06	22	6.41	37.0	3.41	0.5	18	24.6
#336 (9706883)		1.22	349	3	2	3.4	88	0.02	10	0.80	110	1.31	0.2	41	30.9
#337 (9706884)		0.69	249	13	<1	7.5	66	0.02	8	1.83	55.7	1.15	0.3	23	37.8
#338 (9706885)		2.50	701	11	4	16.0	114	0.06	16	4.11	98.6	2.07	0.2	16	29.4
#339 (9706886)		0.90	617	10	2	17.3	61	0.06	14	4.40	31.5	1.45	1.9	12	34.1
#340 (9706887)		1.16	485	5	1	9.7	48	0.03	28	2.63	28.1	0.22	0.2	5	35.5
#341 (9706888)		1.71	950	2	7	17.2	63	0.07	18	4.84	123	0.09	0.2	17	28.2
#342 (9706889)		5.76	2090	4	<1	3.5	165	0.02	22	0.87	5.1	0.46	0.1	<5	23.5
#343 (9706890)		2.25	977	3	2	5.3	81	0.04	45	1.53	15.6	0.73	<0.1	7	31.9
#344 (9706891)		1.51	661	8	<1	3.8	121	0.02	24	0.81	20.7	17.4	0.3	21	16.0
#345 (9706892)		1.99	958	2	<1	3.2	83	0.02	29	0.70	10.0	6.59	0.1	21	23.5

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T409221

PROJECT:

5623 McADAM ROAD  
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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Nov 15, 2018	DATE RECEIVED: Nov 14, 2018					DATE REPORTED: Dec 04, 2018					SAMPLE TYPE: Other				
Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb	
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1	
#284 (9706831)	4.7	<1	253	<0.5	0.82	5.3	0.70	0.7	0.46	1.69	186	2	26.0	2.8	
#285 (9706832)	4.4	<1	199	<0.5	0.71	5.4	0.57	0.6	0.36	1.42	162	1	22.6	2.4	
#286 (9706833)	4.8	<1	233	<0.5	0.70	13.8	0.60	0.8	0.37	3.07	227	3	21.0	2.3	
#287 (9706834)	2.6	<1	222	<0.5	0.57	3.5	0.56	1.1	0.33	0.75	279	<1	19.5	2.0	
#288 (9706835)	1.5	2	102	<0.5	0.36	0.8	0.31	<0.5	0.21	0.25	199	<1	12.3	1.3	
#289 (9706836)	3.1	2	208	<0.5	0.73	0.6	0.93	1.0	0.55	0.39	329	3	29.6	3.4	
#290 (9706837)	3.0	5	233	<0.5	0.66	0.8	0.88	0.6	0.52	0.58	307	4	27.7	3.3	
#291 (9706838)	3.1	<1	218	<0.5	0.77	0.5	0.98	1.0	0.58	0.40	312	3	31.0	3.6	
#292 (9706839)	3.1	<1	253	<0.5	0.67	0.5	0.89	0.6	0.55	0.59	292	4	26.4	3.3	
#293 (9706840)	0.2	14	2.5	<0.5	<0.05	0.4	0.03	<0.5	<0.05	0.33	125	<1	1.0	<0.1	
#294 (9706841)	1.0	<1	80.8	<0.5	0.13	2.0	0.09	<0.5	<0.05	1.05	118	<1	2.8	0.3	
#295 (9706842)	2.7	<1	217	<0.5	0.32	7.4	0.22	<0.5	0.14	2.44	95	<1	8.7	0.9	
#296 (9706843)	1.0	<1	91.5	<0.5	0.15	3.2	0.10	<0.5	0.06	1.00	36	<1	4.1	0.4	
#297 (9706844)	4.8	<1	308	0.6	0.58	12.8	0.35	0.7	0.23	3.60	93	<1	14.0	1.3	
#298 (9706845)	2.4	2	428	<0.5	0.35	6.9	0.33	1.2	0.17	1.99	142	<1	9.7	1.1	
#299 (9706846)	2.7	<1	505	<0.5	0.42	11.1	0.16	0.6	0.19	2.17	93	<1	11.4	1.4	
#300 (9706847)	2.9	2	481	<0.5	0.45	7.1	0.45	1.6	0.21	2.76	188	<1	13.0	1.4	
#301 (9706848)	2.0	<1	206	<0.5	0.23	4.3	0.30	<0.5	0.09	0.99	82	<1	7.0	0.7	
#302 (9706849)	1.7	7	216	<0.5	0.22	4.8	0.35	<0.5	0.11	1.10	77	<1	7.2	0.7	
#303 (9706850)	3.1	<1	219	<0.5	0.41	5.5	0.38	<0.5	0.14	1.44	76	<1	11.7	0.9	
#304 (9706851)	1.9	<1	245	<0.5	0.30	4.9	0.34	<0.5	0.17	1.22	72	<1	10.2	1.0	
#305 (9706852)	2.5	<1	282	<0.5	0.35	4.8	0.33	<0.5	0.16	1.34	81	<1	10.2	1.1	
#306 (9706853)	2.3	<1	189	<0.5	0.35	3.5	0.27	<0.5	0.14	1.53	62	<1	9.9	0.8	
#307 (9706854)	1.2	3	121	<0.5	0.15	1.9	0.11	<0.5	0.07	0.62	36	<1	4.5	0.4	
#308 (9706855)	2.1	<1	678	<0.5	0.49	0.3	0.51	<0.5	0.32	0.64	262	<1	19.8	2.1	
#309 (9706856)	1.2	<1	149	<0.5	0.20	4.2	0.14	<0.5	0.13	1.74	43	<1	7.2	0.8	
#310 (9706857)	1.4	<1	123	<0.5	0.21	2.2	0.07	<0.5	0.13	1.96	42	<1	6.8	0.7	
#311 (9706858)	0.3	12	41.5	0.6	0.07	4.0	0.04	<0.5	0.10	0.58	17	<1	4.2	0.6	
#312 (9706859)	0.3	<1	39.7	<0.5	<0.05	2.6	0.05	<0.5	<0.05	0.22	18	<1	0.7	0.1	
#313 (9706860)	4.4	<1	518	0.6	0.55	13.4	0.36	<0.5	0.27	9.00	129	<1	17.5	1.8	
#314 (9706861)	5.5	<1	300	0.7	0.76	14.9	0.40	0.9	0.37	7.58	136	2	21.6	2.4	
#315 (9706862)	7.1	<1	8.6	2.1	1.24	22.4	0.32	1.2	0.58	21.1	49	2	37.2	3.4	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T409221

PROJECT:

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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

### (201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Nov 15, 2018

DATE RECEIVED: Nov 14, 2018

DATE REPORTED: Dec 04, 2018

SAMPLE TYPE: Other

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
#316 (9706863)	4.0	<1	9.3	0.6	0.54	13.0	0.18	1.0	0.32	9.19	34	1	17.9	2.0
#317 (9706864)	2.4	<1	5.5	0.9	0.47	11.8	0.10	<0.5	0.29	7.71	12	1	14.9	1.8
#318 (9706865)	5.0	3	9.7	1.4	0.78	15.7	0.18	0.9	0.44	9.97	21	2	23.3	2.8
#319 (9706866)	4.0	<1	8.7	1.5	0.81	16.3	0.16	1.0	0.48	9.12	21	2	28.0	3.1
#320 (9706867)	5.9	16	8.5	1.6	1.03	22.2	0.19	0.9	0.58	15.9	27	2	30.0	3.4
#321 (9706868)	6.5	2	9.7	1.4	0.95	14.9	0.20	1.1	0.46	10.6	29	2	26.7	2.7
#322 (9706869)	4.3	3	8.8	1.3	0.84	17.8	0.15	1.0	0.50	10.5	25	3	28.7	3.0
#323 (9706870)	5.9	2	8.6	1.5	1.03	17.7	0.17	1.2	0.51	13.4	22	2	31.0	3.2
#324 (9706871)	5.4	5	8.3	1.5	0.97	16.9	0.16	1.1	0.53	12.5	20	2	29.3	3.1
#325 (9706872)	6.1	2	198	1.6	0.92	9.6	0.54	2.2	0.47	3.04	111	<1	27.0	2.9
#326 (9706873)	9.6	<1	21.2	<0.5	0.91	2.7	0.17	0.5	0.20	1.77	57	4	16.8	1.2
#327 (9706874)	6.9	<1	19.0	<0.5	0.76	1.8	0.11	0.5	0.19	2.04	48	6	15.9	1.1
#328 (9706875)	9.2	<1	85.6	<0.5	1.02	5.2	0.31	0.9	0.33	4.43	111	11	21.1	1.9
#329 (9706876)	23.4	<1	47.0	<0.5	2.18	2.3	0.15	0.6	0.30	2.55	59	5	34.7	1.6
#330 (9706877)	33.8	9	15.8	<0.5	2.65	1.2	0.10	0.7	0.28	3.22	63	8	34.5	1.6
#331 (9706878)	5.0	3	271	0.6	0.67	12.7	0.37	1.1	0.31	4.91	136	2	19.1	2.0
#332 (9706879)	1.0	<1	77.8	<0.5	0.16	1.0	0.16	<0.5	0.08	0.33	74	2	4.9	0.5
#333 (9706880)	9.9	<1	123	<0.5	1.27	5.2	1.13	1.7	0.49	1.11	360	<1	30.6	3.1
#334 (9706881)	5.2	4	164	<0.5	1.14	2.7	1.35	1.8	0.75	0.81	379	<1	38.7	4.2
#335 (9706882)	5.2	<1	174	<0.5	0.70	4.5	0.51	<0.5	0.24	1.18	110	<1	19.2	1.4
#336 (9706883)	1.2	<1	148	<0.5	0.42	0.4	0.49	0.9	0.29	0.47	268	13	16.6	2.0
#337 (9706884)	1.9	<1	92.9	<0.5	0.43	0.6	0.25	<0.5	0.25	0.42	132	1	14.3	1.5
#338 (9706885)	3.3	<1	145	<0.5	0.44	4.3	0.48	1.0	0.19	1.04	114	4	12.4	1.2
#339 (9706886)	3.5	3	905	<0.5	0.46	3.5	0.28	<0.5	0.19	1.42	116	<1	13.7	1.1
#340 (9706887)	1.7	2	283	<0.5	0.20	3.5	0.12	<0.5	0.10	1.53	54	<1	5.6	0.7
#341 (9706888)	3.1	3	447	0.6	0.43	12.3	0.38	1.0	0.24	3.54	123	<1	13.2	1.6
#342 (9706889)	0.6	19	142	<0.5	0.07	1.6	0.07	<0.5	<0.05	0.89	103	<1	2.4	0.2
#343 (9706890)	1.1	1	286	<0.5	0.14	5.1	0.16	<0.5	0.11	1.47	75	<1	6.0	0.7
#344 (9706891)	1.2	3	537	<0.5	0.28	0.5	0.26	<0.5	0.19	0.44	125	<1	11.4	1.2
#345 (9706892)	1.0	2	535	<0.5	0.26	0.5	0.30	<0.5	0.21	0.39	115	<1	10.6	1.2

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 18T409221

PROJECT:

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Nov 15, 2018      DATE RECEIVED: Nov 14, 2018      DATE REPORTED: Dec 04, 2018      SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte:	Zn	Zr
	Unit:	ppm	ppm
	RDL:	5	0.5
#284 (9706831)		240	178
#285 (9706832)		246	138
#286 (9706833)		716	104
#287 (9706834)		357	69.1
#288 (9706835)		330	31.4
#289 (9706836)		216	94.0
#290 (9706837)		228	92.0
#291 (9706838)		203	100
#292 (9706839)		200	87.4
#293 (9706840)		384	8.8
#294 (9706841)		357	29.6
#295 (9706842)		118	61.4
#296 (9706843)		66	31.2
#297 (9706844)		95	103
#298 (9706845)		110	155
#299 (9706846)		60	145
#300 (9706847)		137	102
#301 (9706848)		69	94.4
#302 (9706849)		62	108
#303 (9706850)		75	128
#304 (9706851)		80	115
#305 (9706852)		102	115
#306 (9706853)		96	92.5
#307 (9706854)		30	40.7
#308 (9706855)		132	46.3
#309 (9706856)		39	59.7
#310 (9706857)		63	23.3
#311 (9706858)		41	31.9
#312 (9706859)		30	1.9
#313 (9706860)		88	108
#314 (9706861)		83	131
#315 (9706862)		99	253

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T409221

PROJECT:

5623 McADAM ROAD  
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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Nov 15, 2018	DATE RECEIVED: Nov 14, 2018	DATE REPORTED: Dec 04, 2018	SAMPLE TYPE: Other
Analyte:	Zn	Zr	
Unit:	ppm	ppm	
RDL:	5	0.5	
Sample ID (AGAT ID)			
#316 (9706863)	37	209	
#317 (9706864)	121	158	
#318 (9706865)	92	236	
#319 (9706866)	122	269	
#320 (9706867)	102	274	
#321 (9706868)	122	275	
#322 (9706869)	165	256	
#323 (9706870)	157	242	
#324 (9706871)	134	235	
#325 (9706872)	145	157	
#326 (9706873)	93	62.7	
#327 (9706874)	60	38.7	
#328 (9706875)	95	137	
#329 (9706876)	56	53.1	
#330 (9706877)	46	27.7	
#331 (9706878)	90	116	
#332 (9706879)	63	24.1	
#333 (9706880)	244	161	
#334 (9706881)	231	152	
#335 (9706882)	141	137	
#336 (9706883)	56	49.5	
#337 (9706884)	36	20.1	
#338 (9706885)	115	140	
#339 (9706886)	41	81.8	
#340 (9706887)	52	91.6	
#341 (9706888)	86	123	
#342 (9706889)	221	34.8	
#343 (9706890)	74	75.0	
#344 (9706891)	68	27.6	
#345 (9706892)	95	26.3	

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T409221

PROJECT:

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<http://www.agatlabs.com>

CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

DATE SAMPLED: Nov 15, 2018      DATE RECEIVED: Nov 14, 2018      DATE REPORTED: Dec 04, 2018      SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte:	Au	Pd	Pt
	Unit:	ppm	ppm	ppm
	RDL:	0.001	0.001	0.005
#284 (9706831)		0.002	0.006	<0.005
#285 (9706832)		0.002	0.004	<0.005
#286 (9706833)		0.005	0.004	<0.005
#287 (9706834)		0.002	0.005	0.006
#288 (9706835)		0.001	0.004	<0.005
#289 (9706836)		0.004	0.001	<0.005
#290 (9706837)		0.006	0.002	<0.005
#291 (9706838)		0.005	0.002	<0.005
#292 (9706839)		0.005	0.003	<0.005
#293 (9706840)		<0.001	<0.001	<0.005
#294 (9706841)		0.118	<0.001	<0.005
#295 (9706842)		<0.001	0.001	<0.005
#296 (9706843)		<0.001	<0.001	<0.005
#297 (9706844)		0.001	0.003	<0.005
#298 (9706845)		0.004	0.005	<0.005
#299 (9706846)		0.003	0.004	<0.005
#300 (9706847)		0.003	0.002	<0.005
#301 (9706848)		0.036	0.001	<0.005
#302 (9706849)		0.041	0.001	<0.005
#303 (9706850)		0.011	<0.001	<0.005
#304 (9706851)		0.012	0.001	<0.005
#305 (9706852)		0.010	0.002	<0.005
#306 (9706853)		0.001	<0.001	<0.005
#307 (9706854)		0.002	<0.001	<0.005
#308 (9706855)		0.002	0.002	<0.005
#309 (9706856)		0.179	0.001	<0.005
#310 (9706857)		0.803	<0.001	<0.005
#311 (9706858)		0.004	<0.001	<0.005
#312 (9706859)		0.002	<0.001	<0.005
#313 (9706860)		0.003	0.006	<0.005
#314 (9706861)		0.002	0.003	<0.005
#315 (9706862)		0.006	0.002	<0.005

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T409221

PROJECT:

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CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

DATE SAMPLED: Nov 15, 2018	DATE RECEIVED: Nov 14, 2018	DATE REPORTED: Dec 04, 2018	SAMPLE TYPE: Other
Analyte:	Au	Pd	Pt
Unit:	ppm	ppm	ppm
RDL:	0.001	0.001	0.005
#316 (9706863)	0.003	0.001	<0.005
#317 (9706864)	0.173	0.001	<0.005
#318 (9706865)	0.254	0.001	<0.005
#319 (9706866)	0.344	0.001	<0.005
#320 (9706867)	0.423	0.001	<0.005
#321 (9706868)	0.380	<0.001	<0.005
#322 (9706869)	0.234	0.001	<0.005
#323 (9706870)	0.279	0.001	<0.005
#324 (9706871)	0.228	<0.001	<0.005
#325 (9706872)	0.004	0.001	<0.005
#326 (9706873)	0.138	<0.001	<0.005
#327 (9706874)	0.048	<0.001	<0.005
#328 (9706875)	0.030	0.001	<0.005
#329 (9706876)	0.056	0.001	<0.005
#330 (9706877)	0.013	<0.001	<0.005
#331 (9706878)	0.001	0.002	<0.005
#332 (9706879)	0.002	<0.001	<0.005
#333 (9706880)	0.015	0.003	<0.005
#334 (9706881)	0.009	0.002	<0.005
#335 (9706882)	0.021	0.004	<0.005
#336 (9706883)	0.008	0.018	0.012
#337 (9706884)	0.009	0.011	0.008
#338 (9706885)	0.017	0.003	<0.005
#339 (9706886)	0.005	0.002	<0.005
#340 (9706887)	0.004	0.001	<0.005
#341 (9706888)	0.002	0.002	<0.005
#342 (9706889)	0.004	<0.001	<0.005
#343 (9706890)	0.002	0.001	<0.005
#344 (9706891)	0.235	0.005	0.009
#345 (9706892)	0.205	0.002	<0.005

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9706831	< 1	< 1	0.0%	9706842	< 1	< 1	0.0%	9706854	< 1	< 1	0.0%	9706856	1	1	0.0%
Al	9706831	8.28	8.40	1.4%	9706842	5.57	5.57	0.0%	9706854	3.12	3.09	1.0%	9706856	3.65	3.52	3.6%
As	9706831	39	27		9706842	< 5	< 5	0.0%	9706854	< 5	< 5	0.0%	9706856	< 5	< 5	0.0%
B	9706831	< 20	< 20	0.0%	9706842	< 20	< 20	0.0%	9706854	< 20	< 20	0.0%	9706856	< 20	< 20	0.0%
Ba	9706831	1260	1250	0.8%	9706842	338	336	0.6%	9706854	73.3	74.2	1.2%	9706856	106	101	4.8%
Be	9706831	< 5	< 5	0.0%	9706842	< 5	< 5	0.0%	9706854	< 5	< 5	0.0%	9706856	< 5	< 5	0.0%
Bi	9706831	3.27	3.66	11.3%	9706842	0.1	0.1	0.0%	9706854	0.5	0.5	0.0%	9706856	1.74	1.64	5.9%
Ca	9706831	4.55	4.60	1.1%	9706842	0.94	0.95	1.1%	9706854	0.87	0.90	3.4%	9706856	0.630	0.603	4.4%
Cd	9706831	0.83	0.90	8.1%	9706842	< 0.2	< 0.2	0.0%	9706854	< 0.2	< 0.2	0.0%	9706856	< 0.2	< 0.2	0.0%
Ce	9706831	47.0	48.1	2.3%	9706842	40.3	40.9	1.5%	9706854	16.9	17.4	2.9%	9706856	18.9	18.2	3.8%
Co	9706831	87.8	94.0	6.8%	9706842	20.9	20.2	3.4%	9706854	21.6	22.2	2.7%	9706856	6.37	6.13	3.8%
Cr	9706831	0.0151	0.0165	8.9%	9706842	0.022	0.022	0.0%	9706854	0.026	0.027	3.8%	9706856	0.029	0.030	3.4%
Cs	9706831	2.12	2.27	6.8%	9706842	1.58	1.49	5.9%	9706854	1.1	1.1	0.0%	9706856	1.22	1.14	6.8%
Cu	9706831	58	59	1.7%	9706842	< 5	< 5	0.0%	9706854	25	27	7.7%	9706856	1650	2080	23.1%
Dy	9706831	4.82	5.11	5.8%	9706842	1.64	1.72	4.8%	9706854	0.88	0.85	3.5%	9706856	1.25	1.16	7.5%
Er	9706831	2.60	2.72	4.5%	9706842	0.89	0.78	13.2%	9706854	0.44	0.43	2.3%	9706856	0.763	0.777	1.8%
Eu	9706831	1.54	1.62	5.1%	9706842	0.643	0.634	1.4%	9706854	0.35	0.35	0.0%	9706856	0.33	0.33	0.0%
Fe	9706831	8.06	8.35	3.5%	9706842	5.69	5.70	0.2%	9706854	2.84	2.87	1.1%	9706856	2.50	2.54	1.6%
Ga	9706831	17.1	17.4	1.7%	9706842	19.8	19.9	0.5%	9706854	9.17	9.37	2.2%	9706856	10.2	9.83	3.7%
Gd	9706831	5.26	5.22	0.8%	9706842	2.41	2.44	1.2%	9706854	1.07	1.22	13.1%	9706856	1.30	1.24	4.7%
Ge	9706831	1	1	0.0%	9706842	1	1	0.0%	9706854	1	1	0.0%	9706856	< 1	< 1	0.0%
Hf	9706831	5	5	0.0%	9706842	2	2	0.0%	9706854	1	1	0.0%	9706856	2	2	0.0%
Ho	9706831	1.00	1.03	3.0%	9706842	0.313	0.317	1.3%	9706854	0.162	0.171	5.4%	9706856	0.27	0.27	0.0%
In	9706831	< 0.2	< 0.2	0.0%	9706842	< 0.2	< 0.2	0.0%	9706854	< 0.2	< 0.2	0.0%	9706856	< 0.2	< 0.2	0.0%
K	9706831	1.35	1.38	2.2%	9706842	0.784	0.785	0.1%	9706854	0.42	0.43	2.4%	9706856	0.533	0.523	1.9%
La	9706831	21.4	22.0	2.8%	9706842	20.1	20.5	2.0%	9706854	9.63	10.1	4.8%	9706856	8.8	8.8	0.0%
Li	9706831	56	59	5.2%	9706842	64	68	6.1%	9706854	17	16	6.1%	9706856	18	17	5.7%
Lu	9706831	0.44	0.44	0.0%	9706842	0.13	0.13	0.0%	9706854	0.07	0.07	0.0%	9706856	0.128	0.121	5.6%
Mg	9706831	2.16	2.21	2.3%	9706842	2.89	2.88	0.3%	9706854	0.72	0.71	1.4%	9706856	0.885	0.832	6.2%
Mn	9706831	799	816	2.1%	9706842	1190	1190	0.0%	9706854	351	343	2.3%	9706856	523	498	4.9%
Mo	9706831	57	60	5.1%	9706842	3	2		9706854	12	13	8.0%	9706856	10	10	0.0%



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Nb	9706831	5	5	0.0%	9706842	3	3	0.0%	9706854	< 1	< 1	0.0%	9706856	1	1	0.0%
Nd	9706831	23.3	23.8	2.1%	9706842	16.8	16.7	0.6%	9706854	7.2	7.3	1.4%	9706856	7.57	7.41	2.1%
Ni	9706831	95	97	2.1%	9706842	99	103	4.0%	9706854	40	38	5.1%	9706856	34	36	5.7%
P	9706831	0.11	0.09	20.0%	9706842	0.03	0.03	0.0%	9706854	0.037	0.028	27.7%	9706856	0.03	0.03	0.0%
Pb	9706831	101	106	4.8%	9706842	7	8	13.3%	9706854	11	11	0.0%	9706856	8	8	0.0%
Pr	9706831	5.95	6.01	1.0%	9706842	4.65	4.72	1.5%	9706854	1.86	1.93	3.7%	9706856	2.12	2.14	0.9%
Rb	9706831	57.4	57.5	0.2%	9706842	37.4	36.7	1.9%	9706854	17.4	18.1	3.9%	9706856	34.5	33.7	2.3%
S	9706831	3.99	4.02	0.7%	9706842	0.01	0.02		9706854	0.930	0.966	3.8%	9706856	0.24	0.26	8.0%
Sb	9706831	0.2	0.2	0.0%	9706842	0.2	0.2	0.0%	9706854	0.2	0.2	0.0%	9706856	0.2	0.1	
Sc	9706831	29	29	0.0%	9706842	10	10	0.0%	9706854	< 5	< 5	0.0%	9706856	7	6	15.4%
Si	9706831	23.5	23.7	0.8%	9706842	33.1	33.1	0.0%	9706854	39.8	40.1	0.8%	9706856	39.1	39.9	2.0%
Sm	9706831	4.72	4.64	1.7%	9706842	2.7	2.9	7.1%	9706854	1.24	1.27	2.4%	9706856	1.25	1.38	9.9%
Sn	9706831	< 1	2		9706842	< 1	< 1	0.0%	9706854	3	< 1		9706856	< 1	< 1	0.0%
Sr	9706831	253	255	0.8%	9706842	217	219	0.9%	9706854	121	124	2.4%	9706856	149	147	1.4%
Ta	9706831	< 0.5	< 0.5	0.0%	9706842	< 0.5	< 0.5	0.0%	9706854	< 0.5	< 0.5	0.0%	9706856	< 0.5	< 0.5	0.0%
Tb	9706831	0.818	0.813	0.6%	9706842	0.325	0.330	1.5%	9706854	0.15	0.17	12.5%	9706856	0.202	0.183	9.9%
Th	9706831	5.3	5.4	1.9%	9706842	7.4	7.5	1.3%	9706854	1.87	1.96	4.7%	9706856	4.2	4.2	0.0%
Ti	9706831	0.701	0.708	1.0%	9706842	0.216	0.212	1.9%	9706854	0.11	0.11	0.0%	9706856	0.14	0.14	0.0%
Tl	9706831	0.7	0.7	0.0%	9706842	< 0.5	< 0.5	0.0%	9706854	< 0.5	< 0.5	0.0%	9706856	< 0.5	< 0.5	0.0%
Tm	9706831	0.46	0.45	2.2%	9706842	0.14	0.14	0.0%	9706854	0.07	0.07	0.0%	9706856	0.126	0.122	3.2%
U	9706831	1.69	1.77	4.6%	9706842	2.44	2.45	0.4%	9706854	0.615	0.596	3.1%	9706856	1.74	1.64	5.9%
V	9706831	186	184	1.1%	9706842	95	97	2.1%	9706854	36	38	5.4%	9706856	43	39	9.8%
W	9706831	2	3		9706842	< 1	< 1	0.0%	9706854	< 1	< 1	0.0%	9706856	< 1	< 1	0.0%
Y	9706831	26.0	25.8	0.8%	9706842	8.7	8.6	1.2%	9706854	4.55	4.64	2.0%	9706856	7.2	7.3	1.4%
Yb	9706831	2.8	2.8	0.0%	9706842	0.86	0.84	2.4%	9706854	0.4	0.4	0.0%	9706856	0.8	0.8	0.0%
Zn	9706831	240	242	0.8%	9706842	118	113	4.3%	9706854	30	32	6.5%	9706856	39	54	
Zr	9706831	178	187	4.9%	9706842	61.4	62.4	1.6%	9706854	40.7	39.8	2.2%	9706856	59.7	54.2	9.7%

Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9706866	1	1	0.0%	9706878	< 1	< 1	0.0%	9706881	< 1	< 1	0.0%	9706890	< 1	< 1	0.0%
Al	9706866	3.87	3.83	1.0%	9706878	8.42	8.35	0.8%	9706881	8.44	8.52	0.9%	9706890	5.78	5.83	0.9%
As	9706866	23	21	9.1%	9706878	< 5	< 5	0.0%	9706881	< 5	23		9706890	< 5	26	
B	9706866	< 20	< 20	0.0%	9706878	< 20	< 20	0.0%	9706881	< 20	< 20	0.0%	9706890	< 20	< 20	0.0%
Ba	9706866	276	282	2.2%	9706878	1100	1080	1.8%	9706881	1220	1210	0.8%	9706890	103	106	2.9%



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Be	9706866	< 5	< 5	0.0%	9706878	< 5	< 5	0.0%	9706881	< 5	< 5	0.0%	9706890	< 5	< 5	0.0%
Bi	9706866	26.2	26.4	0.8%	9706878	0.3	0.3	0.0%	9706881	0.6	0.6	0.0%	9706890	0.4	0.4	0.0%
Ca	9706866	< 0.05	< 0.05	0.0%	9706878	1.42	1.38	2.9%	9706881	1.49	1.51	1.3%	9706890	1.07	1.07	0.0%
Cd	9706866	0.4	0.5	22.2%	9706878	< 0.2	< 0.2	0.0%	9706881	< 0.2	< 0.2	0.0%	9706890	< 0.2	< 0.2	0.0%
Ce	9706866	54.5	55.3	1.5%	9706878	67.0	66.5	0.7%	9706881	34.1	32.8	3.9%	9706890	15.3	15.1	1.3%
Co	9706866	29.9	30.4	1.7%	9706878	22.2	22.4	0.9%	9706881	60.5	72.6	18.2%	9706890	31.8	33.1	4.0%
Cr	9706866	0.0222	0.0228	2.7%	9706878	0.0205	0.0203	1.0%	9706881	0.0129	0.0123	4.8%	9706890	0.0194	0.0198	2.0%
Cs	9706866	5.45	5.59	2.5%	9706878	4.97	4.88	1.8%	9706881	11.2	11.2	0.0%	9706890	0.70	0.78	10.8%
Cu	9706866	455	470	3.2%	9706878	63	60	4.9%	9706881	80	93	15.0%	9706890	75	76	1.3%
Dy	9706866	5.46	5.20	4.9%	9706878	3.61	3.50	3.1%	9706881	7.47	7.40	0.9%	9706890	0.98	0.99	1.0%
Er	9706866	2.99	3.02	1.0%	9706878	1.88	1.90	1.1%	9706881	4.29	4.40	2.5%	9706890	0.698	0.679	2.8%
Eu	9706866	0.557	0.615	9.9%	9706878	1.29	1.29	0.0%	9706881	1.51	1.46	3.4%	9706890	0.274	0.345	22.9%
Fe	9706866	4.85	4.83	0.4%	9706878	5.45	5.38	1.3%	9706881	9.29	9.82	5.5%	9706890	5.29	5.32	0.6%
Ga	9706866	10.9	10.7	1.9%	9706878	23.5	23.6	0.4%	9706881	26.5	25.1	5.4%	9706890	18.8	19.6	4.2%
Gd	9706866	4.51	4.56	1.1%	9706878	4.58	4.34	5.4%	9706881	6.44	6.50	0.9%	9706890	0.864	0.898	3.9%
Ge	9706866	< 1	1		9706878	1	1	0.0%	9706881	1	1	0.0%	9706890	1	< 1	
Hf	9706866	8	7	13.3%	9706878	3	4	28.6%	9706881	4	5	22.2%	9706890	2	2	0.0%
Ho	9706866	1.09	1.09	0.0%	9706878	0.735	0.716	2.6%	9706881	1.55	1.60	3.2%	9706890	0.239	0.224	6.5%
In	9706866	< 0.2	< 0.2	0.0%	9706878	< 0.2	< 0.2	0.0%	9706881	< 0.2	< 0.2	0.0%	9706890	< 0.2	< 0.2	0.0%
K	9706866	2.18	2.19	0.5%	9706878	2.80	2.73	2.5%	9706881	3.55	3.65	2.8%	9706890	0.41	0.41	0.0%
La	9706866	30.0	30.0	0.0%	9706878	34.2	34.0	0.6%	9706881	14.7	13.8	6.3%	9706890	6.4	6.5	1.6%
Li	9706866	23	23	0.0%	9706878	68	65	4.5%	9706881	116	118	1.7%	9706890	43	38	12.3%
Lu	9706866	0.497	0.489	1.6%	9706878	0.31	0.30	3.3%	9706881	0.67	0.72	7.2%	9706890	0.11	0.12	8.7%
Mg	9706866	0.79	0.81	2.5%	9706878	1.90	1.92	1.0%	9706881	4.35	4.25	2.3%	9706890	2.25	2.31	2.6%
Mn	9706866	159	156	1.9%	9706878	1060	1060	0.0%	9706881	1570	1610	2.5%	9706890	977	937	4.2%
Mo	9706866	38	37	2.7%	9706878	3	3	0.0%	9706881	4	3	28.6%	9706890	3	3	0.0%
Nb	9706866	11	11	0.0%	9706878	7	7	0.0%	9706881	6	6	0.0%	9706890	2	2	0.0%
Nd	9706866	20.6	20.3	1.5%	9706878	28.1	27.7	1.4%	9706881	21.6	20.8	3.8%	9706890	5.29	5.36	1.3%
Ni	9706866	28	46		9706878	67	67	0.0%	9706881	84	85	1.2%	9706890	81	83	2.4%
P	9706866	< 0.01	0.02		9706878	0.06	0.06	0.0%	9706881	0.09	0.09	0.0%	9706890	0.04	0.04	0.0%
Pb	9706866	66	61	7.9%	9706878	11	11	0.0%	9706881	23	20	14.0%	9706890	45	46	2.2%
Pr	9706866	5.85	5.83	0.3%	9706878	7.83	7.65	2.3%	9706881	4.65	4.63	0.4%	9706890	1.53	1.50	2.0%
Rb	9706866	149	149	0.0%	9706878	136	134	1.5%	9706881	176	178	1.1%	9706890	15.6	16.9	8.0%
S	9706866	2.22	2.25	1.3%	9706878	0.122	0.126	3.2%	9706881	1.81	2.28	23.0%	9706890	0.733	0.749	2.2%



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Sb	9706866	0.3	0.3	0.0%	9706878	0.2	0.2	0.0%	9706881	0.1	< 0.1		9706890	< 0.1	0.1	
Sc	9706866	< 5	< 5	0.0%	9706878	18	18	0.0%	9706881	45	44	2.2%	9706890	7	7	0.0%
Si	9706866	36.8	36.9	0.3%	9706878	28.0	27.8	0.7%	9706881	21.7	22.4	3.2%	9706890	31.9	32.1	0.6%
Sm	9706866	4.0	3.9	2.5%	9706878	4.96	4.83	2.7%	9706881	5.17	5.14	0.6%	9706890	1.05	1.01	3.9%
Sn	9706866	< 1	2		9706878	3	< 1		9706881	4	2		9706890	1	< 1	
Sr	9706866	8.65	8.28	4.4%	9706878	271	268	1.1%	9706881	164	165	0.6%	9706890	286	289	1.0%
Ta	9706866	1.54	1.58	2.6%	9706878	0.6	0.6	0.0%	9706881	< 0.5	< 0.5	0.0%	9706890	< 0.5	< 0.5	0.0%
Tb	9706866	0.812	0.804	1.0%	9706878	0.67	0.65	3.0%	9706881	1.14	1.12	1.8%	9706890	0.141	0.150	6.2%
Th	9706866	16.3	16.8	3.0%	9706878	12.7	12.5	1.6%	9706881	2.72	2.43	11.3%	9706890	5.1	5.2	1.9%
Ti	9706866	0.16	0.16	0.0%	9706878	0.37	0.37	0.0%	9706881	1.35	1.35	0.0%	9706890	0.16	0.16	0.0%
Tl	9706866	1.02	1.08	5.7%	9706878	1.1	1.1	0.0%	9706881	1.76	1.68	4.7%	9706890	< 0.5	< 0.5	0.0%
Tm	9706866	0.48	0.48	0.0%	9706878	0.31	0.30	3.3%	9706881	0.747	0.694	7.4%	9706890	0.11	0.11	0.0%
U	9706866	9.12	9.05	0.8%	9706878	4.91	4.89	0.4%	9706881	0.807	0.785	2.8%	9706890	1.47	1.46	0.7%
V	9706866	21	21	0.0%	9706878	136	134	1.5%	9706881	379	369	2.7%	9706890	75	77	2.6%
W	9706866	2	2	0.0%	9706878	2	2	0.0%	9706881	< 1	< 1	0.0%	9706890	< 1	< 1	0.0%
Y	9706866	28.0	27.5	1.8%	9706878	19.1	17.8	7.0%	9706881	38.7	38.3	1.0%	9706890	6.0	6.0	0.0%
Yb	9706866	3.1	3.1	0.0%	9706878	1.96	1.83	6.9%	9706881	4.22	4.29	1.6%	9706890	0.7	0.7	0.0%
Zn	9706866	122	114	6.8%	9706878	90	97	7.5%	9706881	231	203	12.9%	9706890	74	94	23.8%
Zr	9706866	269	260	3.4%	9706878	116	118	1.7%	9706881	152	148	2.7%	9706890	75.0	74.9	0.1%

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	9706831	0.0024	0.0027	11.8%	9706842	< 0.001	< 0.001	0.0%	9706854	0.002	0.002	0.0%	9706856	0.179	0.154	15.0%
Pd	9706831	0.006	0.006	0.0%	9706842	0.001	< 0.001		9706854	< 0.001	0.001		9706856	0.001	0.001	0.0%
Pt	9706831	< 0.005	< 0.005	0.0%	9706842	< 0.005	< 0.005	0.0%	9706854	< 0.005	< 0.005	0.0%	9706856	< 0.005	< 0.005	0.0%
Parameter	REPLICATE #5				REPLICATE #6				REPLICATE #7				REPLICATE #8			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	9706866	0.344	0.395	13.8%	9706878	0.001	< 0.001		9706881	0.009	0.013		9706890	0.002	0.002	0.0%
Pd	9706866	0.001	0.001	0.0%	9706878	0.002	0.002	0.0%	9706881	0.0024	0.0029	18.9%	9706890	0.001	0.001	0.0%
Pt	9706866	< 0.005	< 0.005	0.0%	9706878	< 0.005	< 0.005	0.0%	9706881	< 0.005	< 0.005	0.0%	9706890	< 0.005	< 0.005	0.0%





CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)				CRM #2 (ref.Till-2)				CRM #3 (ref.PG129)				CRM #4 (ref.SY-4)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Al	10.95	10.52	96%	90% - 110%	8.47	7.74	91%	90% - 110%					10.95	10.41	95%	90% - 110%
As					26	23	90%	90% - 110%	25	24	95%	90% - 110%				
Ba	340	325	96%	90% - 110%	540	490	91%	90% - 110%					340	309	91%	90% - 110%
Be	2.6	2.8	108%	90% - 110%	4.0	3.6	90%	90% - 110%					2.6	2.9	111%	90% - 110%
Ca	5.72	5.55	97%	90% - 110%	0.907	0.822	91%	90% - 110%					5.72	5.46	95%	90% - 110%
Ce	122	124	101%	90% - 110%	98	108	110%	90% - 110%					122	126	103%	90% - 110%
Co	2.8	2.7	96%	90% - 110%	15	14	93%	90% - 110%	1202	1210	101%	90% - 110%	2.8	2.7	98%	90% - 110%
Cs	1.5	1.6	109%	90% - 110%									1.5	1.5	102%	90% - 110%
Cu					150	152	101%	90% - 110%	15414	15038	98%	90% - 110%				
Dy	18.2	19.6	108%	90% - 110%									18.2	19.7	108%	90% - 110%
Er	14.2	13.9	98%	90% - 110%	3.7	4.1	110%	90% - 110%					14.2	14	99%	90% - 110%
Eu	2.0	1.9	96%	90% - 110%									2.0	2.1	103%	90% - 110%
Fe	4.34	4.23	97%	90% - 110%	3.77	3.58	95%	90% - 110%					4.34	4.19	97%	90% - 110%
Ga	35	37	104%	90% - 110%									35	36	102%	90% - 110%
Gd	14	15	109%	90% - 110%									14	15	108%	90% - 110%
Hf	10.6	11	103%	90% - 110%	11	10	90%	90% - 110%					10.6	10.4	98%	90% - 110%
Ho	4.3	4.5	105%	90% - 110%									4.3	4.5	105%	90% - 110%
K	1.37	1.39	102%	90% - 110%	2.55	2.41	95%	90% - 110%					1.37	1.38	101%	90% - 110%
La	58	59	102%	90% - 110%	44	48	110%	90% - 110%					58	59	103%	90% - 110%
Li	37	40.3	109%	90% - 110%	47	48.3	103%	90% - 110%					37	40	109%	90% - 110%
Lu	2.1	2.2	106%	90% - 110%	0.6	0.6	102%	90% - 110%					2.1	2.2	106%	90% - 110%
Mg	0.325	0.306	94%	90% - 110%	1.1	1.05	95%	90% - 110%					0.325	0.295	91%	90% - 110%
Mn	836	891	107%	90% - 110%	780	781	100%	90% - 110%					836	854	102%	90% - 110%
Mo					14	13	94%	90% - 110%								
Nb	13	13	101%	90% - 110%	20	18	90%	90% - 110%					13	12	94%	90% - 110%
Nd	57	58	101%	90% - 110%									57	59	103%	90% - 110%
Ni					32	39	123%	90% - 110%	23610	21588	91%	90% - 110%				
Pb	10	10	103%	90% - 110%	31	33	106%	90% - 110%	41	43	106%	90% - 110%	10	9	95%	90% - 110%
Pr	15.0	15.3	102%	90% - 110%									15.0	15.5	103%	90% - 110%
Rb	55	53	96%	90% - 110%	144	144	100%	90% - 110%					55	54	98%	90% - 110%
Sb					0.8	0.9	107%	90% - 110%								



CLIENT NAME: CREELMAN GOLD CORP

ATTENTION TO: GUY EUGENE RICHARD

Sc					12	12	99%	90% - 110%								
Si	23.3	23.9	103%	90% - 110%	28.4	28.8	101%	90% - 110%					23.3	23.7	102%	90% - 110%
Sm	12.7	12.3	97%	90% - 110%	7.4	8.1	109%	90% - 110%					12.7	12.3	97%	90% - 110%
Sn	7.1	7.4	104%	90% - 110%									7.1	7.4	105%	90% - 110%
Sr	1191	1233	104%	90% - 110%	144	149	103%	90% - 110%					1191	1217	102%	90% - 110%
Ta	0.9	0.7	83%	90% - 110%	1.9	1.6	82%	90% - 110%					0.9	0.7	73%	90% - 110%
Tb	2.6	2.9	110%	90% - 110%	1.2	1.2	103%	90% - 110%					2.6	2.8	109%	90% - 110%
Th	1.4	1.3	90%	90% - 110%	18.4	18.5	101%	90% - 110%					1.4	1.1	79%	90% - 110%
Ti	0.172	0.165	96%	90% - 110%	0.527	0.492	93%	90% - 110%					0.172	0.164	96%	90% - 110%
Tm	2.3	2.4	105%	90% - 110%									2.3	2.5	107%	90% - 110%
U	0.8	0.8	100%	90% - 110%	5.7	5.5	97%	90% - 110%					0.8	0.7	93%	90% - 110%
V					77	74	96%	90% - 110%								
W					5	5	99%	90% - 110%								
Y	119	118	100%	90% - 110%	40	39	98%	90% - 110%					119	114	96%	90% - 110%
Yb	14.8	14.5	98%	90% - 110%									14.8	14.8	100%	90% - 110%
Zn	93	97	104%	90% - 110%	130	119	91%	90% - 110%	90	82	91%	90% - 110%	93	99	106%	90% - 110%
Zr	517	552	107%	90% - 110%	390	352	90%	90% - 110%					517	526	102%	90% - 110%

(202-555) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (50g charge)

Parameter	CRM #1 (ref.PG129)				CRM #2 (ref.PG129)				CRM #3 (ref.PG129)				CRM #4 (ref.PG129)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Au	1.1	1.1	102%	90% - 110%	1.1	1.2	107%	90% - 110%	1.1	1.2	107%	90% - 110%	1.1	1.1	104%	90% - 110%
Pd	0.115	0.118	102%	90% - 110%	0.115	0.127	110%	90% - 110%	0.115	0.124	108%	90% - 110%	0.115	0.126	109%	90% - 110%
Pt	0.239	0.238	100%	90% - 110%	0.239	0.24	100%	90% - 110%	0.239	0.244	102%	90% - 110%	0.239	0.249	104%	90% - 110%



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T409221

PROJECT:

ATTENTION TO: GUY EUGENE RICHARD

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



## Method Summary

CLIENT NAME: CREELMAN GOLD CORP

AGAT WORK ORDER: 18T409221

PROJECT:

ATTENTION TO: GUY EUGENE RICHARD

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pd	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pt	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES

CLIENT NAME: MISC AGAT CLIENT ON, ON

ATTENTION TO: MICHEL LAVOIE

PROJECT: MICHEL LAVOIE

AGAT WORK ORDER: 18T306633

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Feb 28, 2018

PAGES (INCLUDING COVER): 10

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

\*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



## Certificate of Analysis

AGAT WORK ORDER: 18T306633

PROJECT: MICHEL LAVOIE

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: MICHEL LAVOIE

### (200-) Sample Login Weight

DATE SAMPLED: Jan 29, 2018

DATE RECEIVED: Jan 30, 2018

DATE REPORTED: Feb 28, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
180 (9036340)		3.432
181 (9036341)		2.267

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T306633

PROJECT: MICHEL LAVOIE

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
TEL (905)501-9998  
FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: MICHEL LAVOIE

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish															
DATE SAMPLED: Jan 29, 2018				DATE RECEIVED: Jan 30, 2018				DATE REPORTED: Feb 28, 2018				SAMPLE TYPE: Rock			
	Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
Sample ID (AGAT ID)	RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5
180 (9036340)		<1	3.80	5	27	479	<5	0.2	6.96	<0.2	28.9	66.3	0.141	22.8	9
181 (9036341)		<1	8.21	<5	29	699	8	0.6	4.97	<0.2	21.2	43.6	0.034	23.0	12
	Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
	Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Sample ID (AGAT ID)	RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
180 (9036340)		2.85	1.61	0.79	7.12	12.9	3.27	3	2	0.60	<0.2	2.15	13.5	96	0.21
181 (9036341)		1.74	0.95	0.64	6.55	18.0	1.80	2	1	0.35	<0.2	2.82	10.4	121	0.15
	Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si
	Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
Sample ID (AGAT ID)	RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
180 (9036340)		9.09	1900	<2	<1	15.7	777	0.06	<5	3.96	396	0.12	<0.1	20	21.2
181 (9036341)		4.76	1230	<2	<1	9.5	230	0.02	17	2.55	510	0.08	<0.1	25	22.0
	Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
	Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID)	RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
180 (9036340)		3.4	2	135	<0.5	0.51	2.3	0.33	2.9	0.24	0.56	170	<1	14.9	1.4
181 (9036341)		1.7	4	595	<0.5	0.26	1.9	0.32	3.7	0.16	0.56	187	<1	9.2	1.1
	Analyte:	Zn	Zr												
	Unit:	ppm	ppm												
Sample ID (AGAT ID)	RDL:	5	0.5												
180 (9036340)		171	68.4												
181 (9036341)		103	42.5												

Comments: RDL - Reported Detection Limit

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 18T306633

PROJECT: MICHEL LAVOIE

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1N9  
 TEL (905)501-9998  
 FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: MICHEL LAVOIE

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

DATE SAMPLED: Jan 29, 2018

DATE RECEIVED: Jan 30, 2018

DATE REPORTED: Feb 28, 2018

SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppm	ppm	ppm
RDL:	0.001	0.001	0.005
Sample ID (AGAT ID)			
180 (9036340)	<0.001	0.003	<0.005
181 (9036341)	0.001	0.002	<0.005

Comments: RDL - Reported Detection Limit

Certified By:





CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: MICHEL LAVOIE

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1				RPD													
	Sample ID	Original	Replicate	RPD														
Ag	9036340	< 1	< 1	0.0%														
Al	9036340	3.80	3.83	0.8%														
As	9036340	5	< 5															
B	9036340	27	31	13.8%														
Ba	9036340	479	487	1.7%														
Be	9036340	< 5	< 5	0.0%														
Bi	9036340	0.2	0.2	0.0%														
Ca	9036340	6.96	7.01	0.7%														
Cd	9036340	< 0.2	< 0.2	0.0%														
Ce	9036340	28.9	28.5	1.4%														
Co	9036340	66.3	64.6	2.6%														
Cr	9036340	0.141	0.147	4.2%														
Cs	9036340	22.8	22.3	2.2%														
Cu	9036340	9	9	0.0%														
Dy	9036340	2.85	2.77	2.8%														
Er	9036340	1.61	1.54	4.4%														
Eu	9036340	0.786	0.744	5.5%														
Fe	9036340	7.12	7.22	1.4%														
Ga	9036340	12.9	12.6	2.4%														
Gd	9036340	3.27	3.47	5.9%														
Ge	9036340	3	3	0.0%														
Hf	9036340	2	2	0.0%														
Ho	9036340	0.60	0.55	8.7%														
In	9036340	< 0.2	< 0.2	0.0%														
K	9036340	2.15	2.19	1.8%														
La	9036340	13.5	13.4	0.7%														
Li	9036340	96	99	3.1%														
Lu	9036340	0.214	0.232	8.1%														
Mg	9036340	9.09	9.22	1.4%														
Mn	9036340	1900	1920	1.0%														
Mo	9036340	< 2	< 2	0.0%														



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: MICHEL LAVOIE

Nb	9036340	< 1	< 1	0.0%															
Nd	9036340	15.7	16.0	1.9%															
Ni	9036340	777	790	1.7%															
P	9036340	0.064	0.070	9.0%															
Pb	9036340	< 5	< 5	0.0%															
Pr	9036340	3.96	3.89	1.8%															
Rb	9036340	396	396	0.0%															
S	9036340	0.12	0.13	8.0%															
Sb	9036340	< 0.1	< 0.1	0.0%															
Sc	9036340	20	20	0.0%															
Si	9036340	21.2	21.4	0.9%															
Sm	9036340	3.4	3.3	3.0%															
Sn	9036340	2	1																
Sr	9036340	135	135	0.0%															
Ta	9036340	< 0.5	< 0.5	0.0%															
Tb	9036340	0.511	0.494	3.4%															
Th	9036340	2.25	2.06	8.8%															
Ti	9036340	0.33	0.33	0.0%															
Tl	9036340	2.9	2.8	3.5%															
Tm	9036340	0.24	0.24	0.0%															
U	9036340	0.556	0.549	1.3%															
V	9036340	170	179	5.2%															
W	9036340	< 1	< 1	0.0%															
Y	9036340	14.9	14.5	2.7%															
Yb	9036340	1.4	1.4	0.0%															
Zn	9036340	171	175	2.3%															
Zr	9036340	68.4	65.0	5.1%															

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

Parameter	REPLICATE #1				RPD															
	Sample ID	Original	Replicate	RPD																
Au	9036340	< 0.001	< 0.001	0.0%																
Pd	9036340	0.0031	0.0037	17.6%																
Pt	9036340	< 0.005	< 0.005	0.0%																



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: MICHEL LAVOIE

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.SY-4)																	
	Expect	Actual	Recovery	Limits														
Al	10.95	10.31	94%	90% - 110%														
Ba	340	348	102%	90% - 110%														
Be	2.6	3.1	118%	90% - 110%														
Ca	5.72	5.43	95%	90% - 110%														
Ce	122	129	106%	90% - 110%														
Co	2.8	2.5	88%	90% - 110%														
Cs	1.5	1.5	103%	90% - 110%														
Cu	7	6	86%	90% - 110%														
Dy	18.2	19.8	109%	90% - 110%														
Er	14.2	14.5	102%	90% - 110%														
Eu	2.0	2.04	102%	90% - 110%														
Fe	4.34	4.16	96%	90% - 110%														
Ga	35	37	106%	90% - 110%														
Gd	14	15	108%	90% - 110%														
Hf	10.6	10.9	103%	90% - 110%														
Ho	4.3	4.7	109%	90% - 110%														
K	1.37	1.32	97%	90% - 110%														
La	58	61	106%	90% - 110%														
Li	37	36	98%	90% - 110%														
Lu	2.1	2.3	109%	90% - 110%														
Mg	0.325	0.301	93%	90% - 110%														
Mn	836	836	100%	90% - 110%														
Nb	13	12	92%	90% - 110%														
Nd	57	59	103%	90% - 110%														
Ni	9	10	115%	90% - 110%														
Pb	10	10	101%	90% - 110%														
Pr	15.0	15.9	106%	90% - 110%														
Rb	55	56	101%	90% - 110%														
Si	23.3	21.9	94%	90% - 110%														
Sm	12.7	12.8	101%	90% - 110%														
Sn	7.1	8.3	117%	90% - 110%														



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: MICHEL LAVOIE

Sr	1191	1227	103%	90% - 110%															
Ta	0.9	1.1	118%	90% - 110%															
Tb	2.6	2.8	108%	90% - 110%															
Th	1.4	1.4	102%	90% - 110%															
Ti	0.172	0.168	98%	90% - 110%															
Tm	2.3	2.5	110%	90% - 110%															
U	0.8	0.9	111%	90% - 110%															
V	8	7	87%	90% - 110%															
Y	119	119	100%	90% - 110%															
Yb	14.8	15.5	105%	90% - 110%															
Zn	93	86	92%	90% - 110%															
Zr	517	562	109%	90% - 110%															

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

CRM #1 (ref.PG129)																			
Parameter	Expect	Actual	Recovery	Limits															
Au	1.1	1.2	108%	90% - 110%															
Pd	0.115	0.118	103%	90% - 110%															
Pt	0.239	0.236	99%	90% - 110%															



## Method Summary

CLIENT NAME: MISC AGAT CLIENT ON  
 PROJECT: MICHEL LAVOIE  
 SAMPLING SITE:

AGAT WORK ORDER: 18T306633  
 ATTENTION TO: MICHEL LAVOIE  
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS



## Method Summary

CLIENT NAME: MISC AGAT CLIENT ON  
 PROJECT: MICHEL LAVOIE  
 SAMPLING SITE:

AGAT WORK ORDER: 18T306633  
 ATTENTION TO: MICHEL LAVOIE  
 SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pd	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pt	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES

Date	Claim #	Township	Date	Food expense	km	km * 0.50
Prospected						
27/01/2018			27/01/2018		113 km	\$56.50
27/01/2018	222858	CREELMAN				
06/05/2018			06/05/2018		201 km	\$100.50
06/05/2018	229470	FRALECK				
28/05/2018			28/05/2018			
28/05/2018			27/05/2018	\$104		
28/05/2018			28/05/2018		161 km	\$80.50
28/05/2018	315849	FRALECK				
02/06/2018			01/06/2018	\$79		
02/06/2018			02/06/2018			
02/06/2018			02/06/2018		201 km	\$100.50
02/06/2018	283454	FRALECK				
09/06/2018			08/06/2018	\$87		
09/06/2018			09/06/2018		163 km	\$81.50
09/06/2018	283454	FRALECK				
21/06/2018			21/06/2018			
21/06/2018			21/06/2018		195 km	\$97.50
21/06/2018	127107	CREELMAN				
24/06/2018			24/06/2018			
24/06/2018			24/06/2018		206 km	\$103.00
24/06/2018	171237	FRALECK				
30/06/2018			29/06/2018			
30/06/2018			28/06/2018	\$113		
30/06/2018			30/06/2018			
30/06/2018			30/06/2018		170 km	\$85
30/06/2018	283454	FRALECK				
18/07/2018			17/07/2018	\$139		
18/07/2018			18/07/2018		224 km	\$112
18/07/2018	217509	CREELMAN				
25/07/2018			24/07/2018	\$115		
25/07/2018			25/07/2018		220 km	\$110
25/07/2018	256250	CREELMAN				

31/07/2018			31/07/2018	\$28.85		
31/07/2018			31/07/2018	\$14.54		
31/07/2018			31/07/2018		208 km	\$104.00
31/07/2018	236399	BERESFORD				
03/08/2018			03/08/2018	\$22.54		
03/08/2018			03/08/2018		215 km	\$107.50
03/08/2018	323522	CREELMAN				
08/08/2018			07/08/2018	\$115		
08/08/2018			08/08/2018		210 km	\$105
08/08/2018	217509	CREELMAN				
12/08/2018			11/08/2018			
12/08/2018			12/08/2018		194 km	\$97
12/08/2018	171514	CREELMAN				
16/08/2018			14/08/2018	\$95		
15/08/2018			15/08/2018		198 km	\$99
15/08/2018	163497	CREELMAN				
18/08/2018			17/08/2018	\$102.36		
18/08/2018			17/08/2018	\$13.54		
18/08/2018			18/08/2018			
18/08/2018			18/08/2018		306 km	\$153.00
18/08/2018	128206	CREELMAN				
20/08/2018			19/08/2018	\$49.19		
20/08/2018			20/08/2018	\$13.54		
20/08/2018			20/08/2018		186 km	\$93.00
20/08/2018	228225	CREELMAN				
22/08/2018			21/08/2018			
22/08/2018			22/08/2018	\$17.97		
22/08/2018			22/08/2018	\$24.75		
22/08/2018			22/08/2018		192 km	\$96.00
22/08/2018	217509	CREELMAN				
26/08/2018			26/08/2018	\$20.31		
26/08/2018			26/08/2018		205 km	\$102.50
26/08/2018	228224	CREELMAN				
05/09/2018			05/09/2018		167 km	\$83.50
05/09/2018	222858	CREELMAN				
07/09/2018			07/09/2018		193 km	\$96.50
07/09/2018	228224	CREELMAN				



09/09/2018			09/09/2018	\$13.54		
09/09/2018			09/09/2018	\$26.55		
09/09/2018			09/09/2018	\$19.28		
09/09/2018			09/09/2018			
09/09/2018			09/09/2018		193 km	\$96.50
09/09/2018	236399	BERESFORD				
11/09/2018			10/09/2018	\$48.42		
11/09/2018			11/09/2018		215 km	\$107.50
11/09/2018	128205	CREELMAN				
14/09/2018			14/09/2018	\$7.77		
14/09/2018			14/09/2018		195 km	\$97.50
14/09/2018	228224	CREELMAN				
17/09/2018			17/09/2018	\$18.12		
17/09/2018			17/09/2018	\$20.03		
17/09/2018			17/09/2018	\$17.26		
17/09/2018			17/09/2018		195 km	\$97.50
17/09/2018	228225	CREELMAN				
05/10/2018			05/10/2018	\$19.28		
05/10/2018			05/10/2018		198 km	\$99.00
05/10/2018	228224	CREELMAN				
12/10/2018			09/10/2018	\$60		
12/10/2018			12/10/2018		196 km	\$98
12/10/2018	228224	CREELMAN				
24/10/2018			24/10/2018	\$21.30		
24/10/2018			24/10/2018		204 km	\$102.00
24/10/2018	228224	CREELMAN				
31/10/2018			26/10/2018			
31/10/2018			31/10/2018	\$71		
31/10/2018			31/10/2018	\$19.30		
31/10/2018			31/10/2018	\$18.06		
31/10/2018			31/10/2018		188 km	\$94
31/10/2018	228224	CREELMAN				
02/11/2018			02/11/2018	\$19.28		
02/11/2018			02/11/2018		208 km	\$104.00
02/11/2018	222859	CREELMAN				
08/11/2018			04/11/2018	\$71.07		
08/11/2018			08/11/2018	\$7.25		

08/11/2018			08/11/2018		196 km	\$98.00
08/11/2018	128206	CREELMAN				

1632.1

\$3,058.00

Amount / 52.6483871  
 31 attendance  
 Amount /  
 2 26.32 each  
 per day








50.16

500

21 Total

5261.26 Total









	\$98							








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