

**YEIP
2010
-012**

Final Submission Report

for

10 – 012 Grassroots Placer

Norbert Schneider *
Wolfgang Hentschel
Daniel Schneider

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2010 YMIP

10 – 012 Grassroots Placer

by Wolfgang Hentschel, Norbert and Daniel Schneider

Technical Report and Conclusion

Location and Access

Morrison Creek:

Morrison Creek is a tributary of Seattle Creek (tributary of McQuesten) and is on NTS map sheet 115P/16P in the Mayo Mining District.

Coordinates for claim "Hentschel" is $63^{\circ} 48.351' N$ and $136^{\circ} 09.879' W$. For claim map and work performed on the claim see Figure #1.

Morrison Creek can be reached by car Highet Creek Road and then a trail leaving Highet Creek Road on the right hand side is leading straight to Morrison Creek.

Johnson Creek:

Johnson Creek drains into the McQuesten River from the opposite side of the dome which Highet Creek drains. It can be reached by following Highet Creek Road to the opposite side of the dome. The mouth of the creek can be reached better by boat because the trail is not maintained anymore. Coordinates for sample spots: $63^{\circ} 47.223' N$ and $136^{\circ} 22.073' W$.

No named Creek:

Samples were taken from this no-named tributary of McQuesten. It can be found next to the road leading from Klondike Highway to Vancouver Creek.

Coordinates: $63^{\circ} 35.769' N$ and $137^{\circ} 17.827' W$.

Castnor Creek was substituted by Johnson Creek in accordance with YMIP staff members. Both creeks could be best reached by boat if the confluence of the creeks with McQuesten is examined. It was also impossible to reach Bear Creek by car so that we concentrated our activities on the above mentioned creeks.

Morrison Creek - General Geology:

The valley is narrow, steep walled and carries sufficient water for a small to medium-sized operation. Alluvial deposits consist of stream gravels of various origins along with large granitic boulders. In the upper reaches of the creek iron-stained and stratified gravels occur:

Gold found along lower Morrison Creek is coarse and angular. Relatively little mining has taken place on Morrison Creek. It occurs in an area rich in both placer and hard-rock deposits, and therefore the potential to find economic quantities of placer gold still exists on this creek.

Bedrock along the lower portion of the creek consists of a granite and schist and partly clay.

Work done:

Work on this project consists of ten test pits done by hand shoveling within three days. Test pit 1 has a size of 6 x 4 x 6 ft(1 x w x depth), test pit 2/3 size: 2 x 2 x 3ft. The spot of the first three pits is called "Morrison #1" in the map.

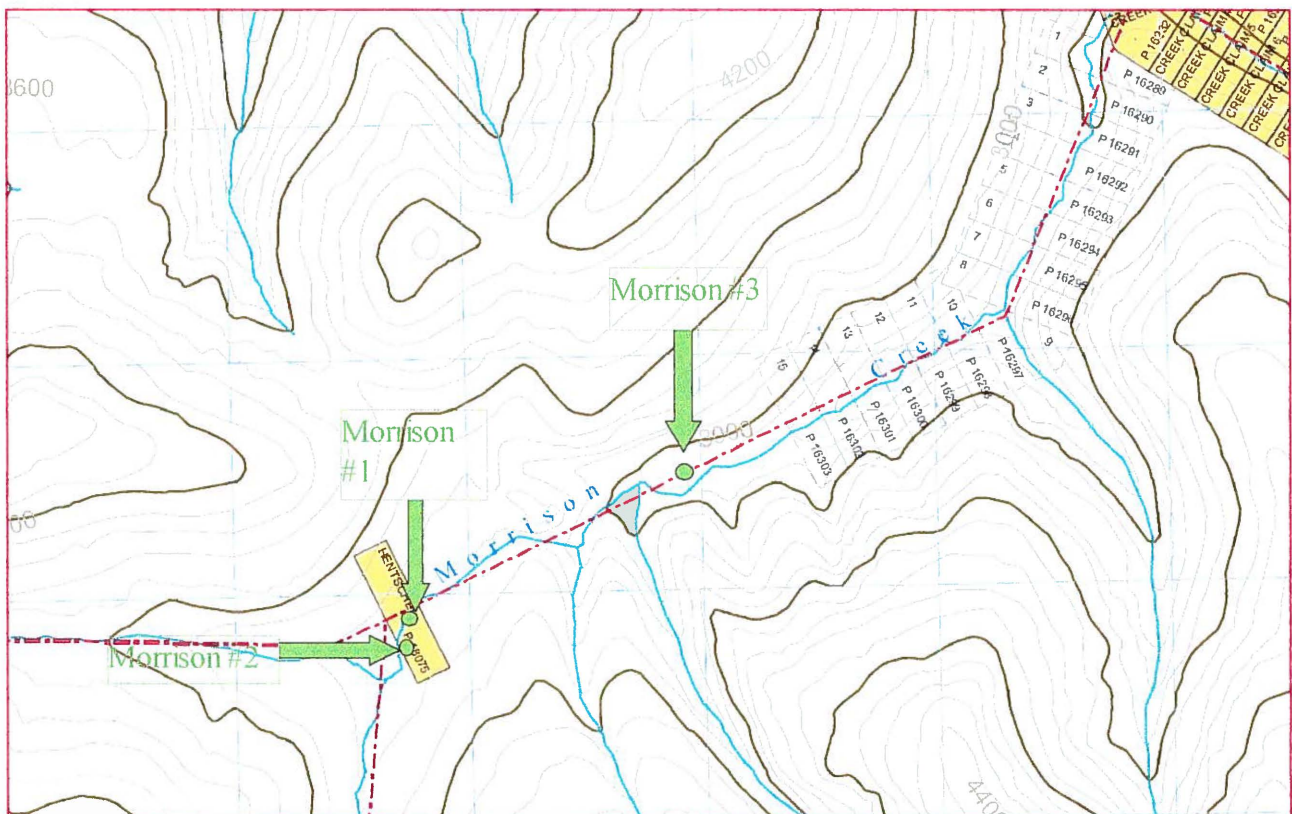
Ground structure consists of sand and gravel and clay in greater depths. No permafrost could be found there. The stones found in the sample were 70% rough/square and 30% round.

Cleaning the samples brought few gold particles between 150 and 30 mesh and black sand.

Test pits 4/5/6("Morrison #2") also showed sand and gravel with smaller stones(80% rough, 20% round). Very few and small gold particles could be found(150 mesh).

Test pit 7/8/9/10("Morrison #3")consists of coarse sand and angular gravel(stones 40% rough, 60% round), partly muddy.

Not any recognizable amount of gold could be found in this upper layer.



Conclusion:

The little mining conducted on Morrison Creek and the proximity to rich placer and hard rock deposits make it interesting to do further testing and sampling there. We will investigate those spots further where clay is the bedrock because there not such a great depth of the test pits is needed and

can be done with light equipment.

Further testing could also include a light excavator(<5 t) to get down to the bedrock.

Johnson Creek - General Geology:

The valley of Johnson is a typical U-shaped depression, which carries enough water for an average size operation.

Deposits present are largely of glacial origin, and consist mainly of coarse gravels containing numerous large boulders, cemented by a clayey matrix. In places close to bedrock, finer, heavier, more regular gravels occur which are gold-bearing. Frozen ground occurs closer to the valley edges.

Bedrock consists of green quartzite.

Work done:

Heavy work has already been conducted on Johnson Creek but the area access was difficult due to the very washed out trail leading to the creek.

9 test pits have been shoveled in 3 days.

The first four of them("Johnson #4") showed a structure of sand and gravel(stones 40% rough, 60% round), partly mud flow deposits.

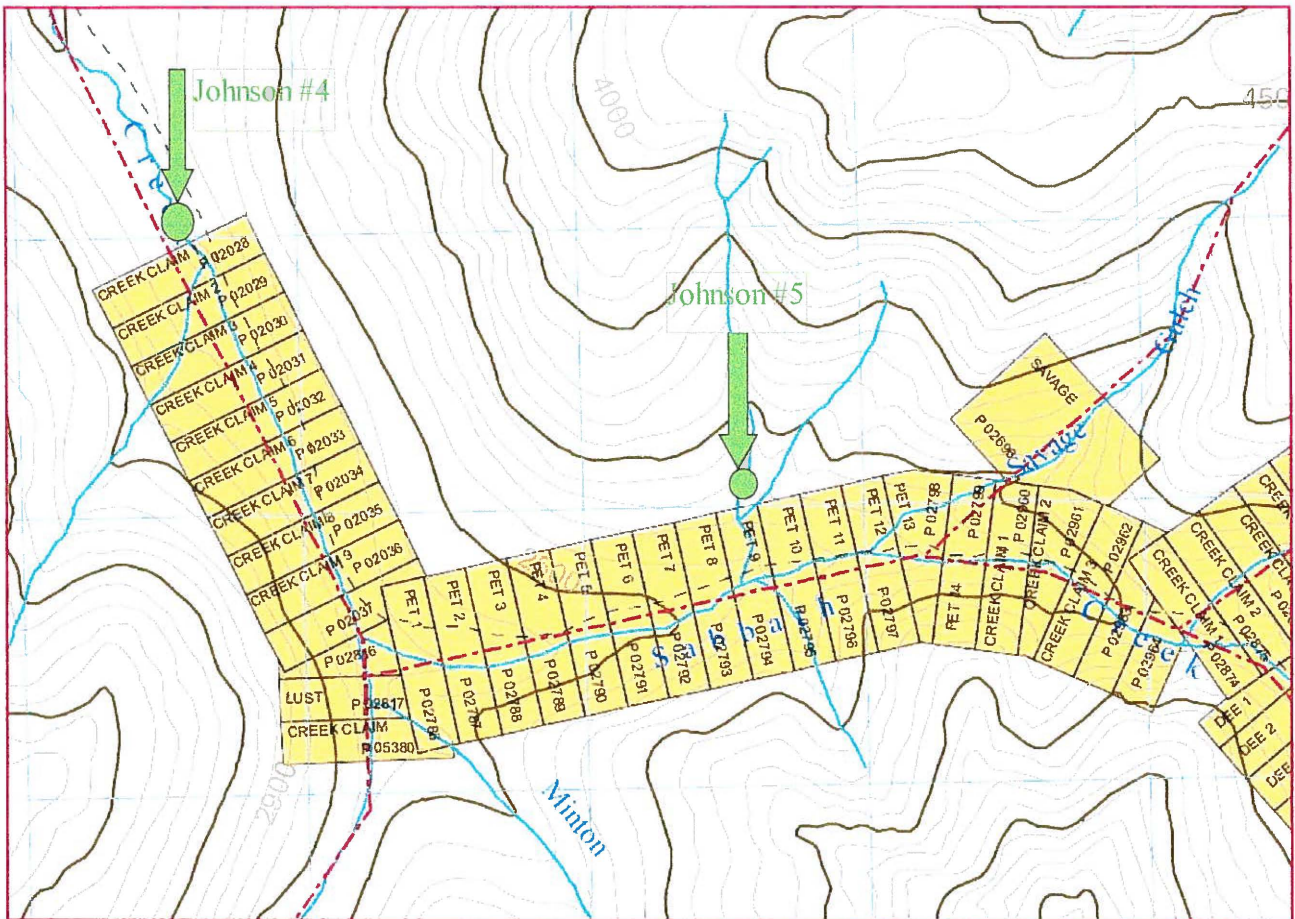
A lot of black sand could be discovered and gold particles are around 150 mesh big.

The next 3 test pits(called "Johnson #5") have been shoveled at a small unnamed tributary of Johnson Creek.

Coarse sand and gravel and fine sand was found.

Cleaning resulted in no gold findings and just a little black sand in the sample.

The last 2 samples were taken out from test pits again at Johnson Creek. Coarse and fine sand could be discovered and consisted of black sand and gold particles bigger than 200 mesh.



Conclusion:

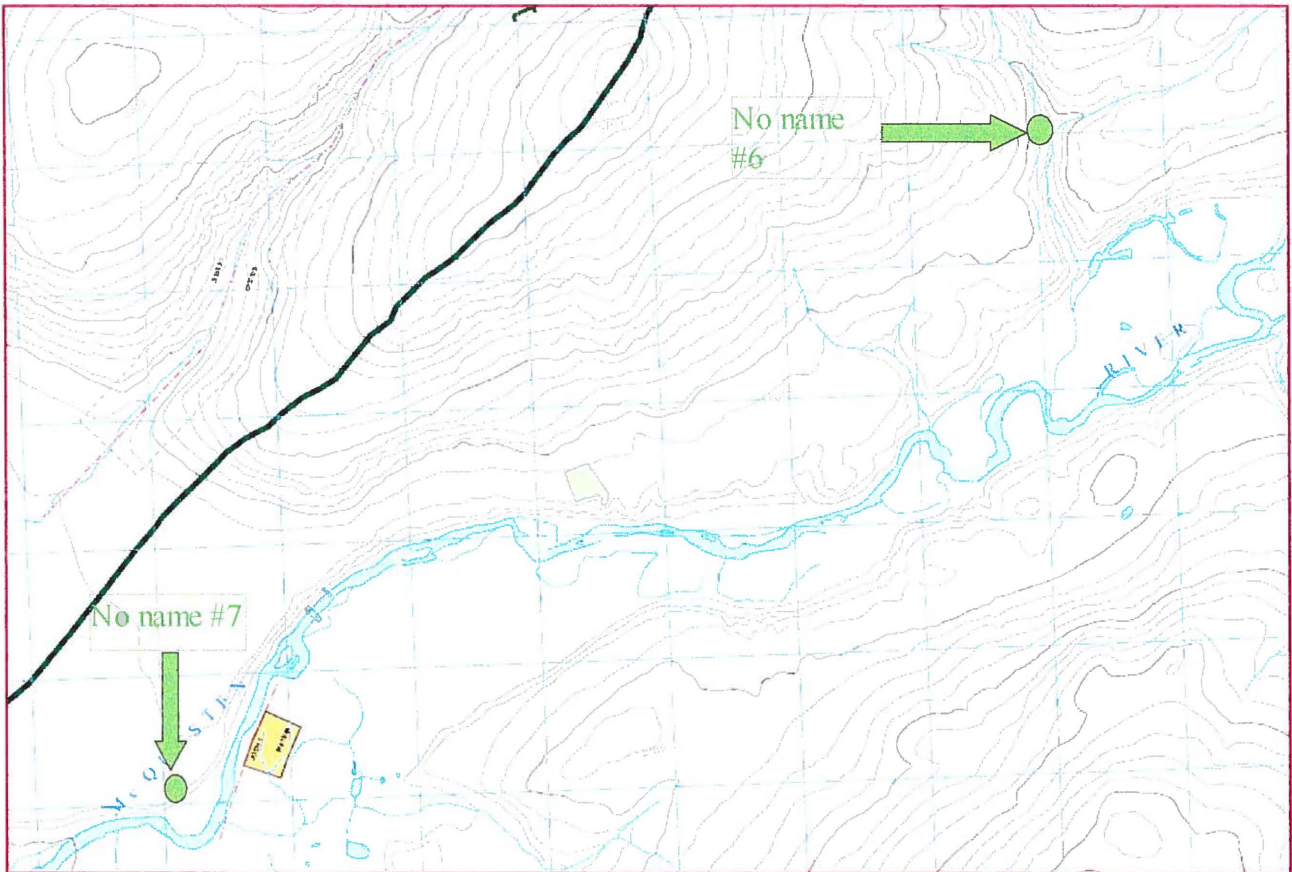
Johnson Creek is a gold bearing creek which has been subject to heavy mining in the past. Due to the difficult infrastructure and the already conducted heavy mining there will we focus more on the gold rich areas around Scheelite Dome.

No-named creek, tributary to McQuesten, close to Vancouver Creek:
General Geology:

Materials are unfrozen and consist of 0.3 metres of organics, 1.5 metres of moderate-sized stream gravel, 1 metre of sand with granite boulders, 0.6 metres of gravel and 0.3 metres of clay and gravel above the decomposed schist bedrock.

Work done:

For testing 6 test pits(no name #6/#7) have been shoveled in different places along the creek. Sand, gravel and clay have been discovered, along with black sand and pyrite. No gold was discovered in this creek.

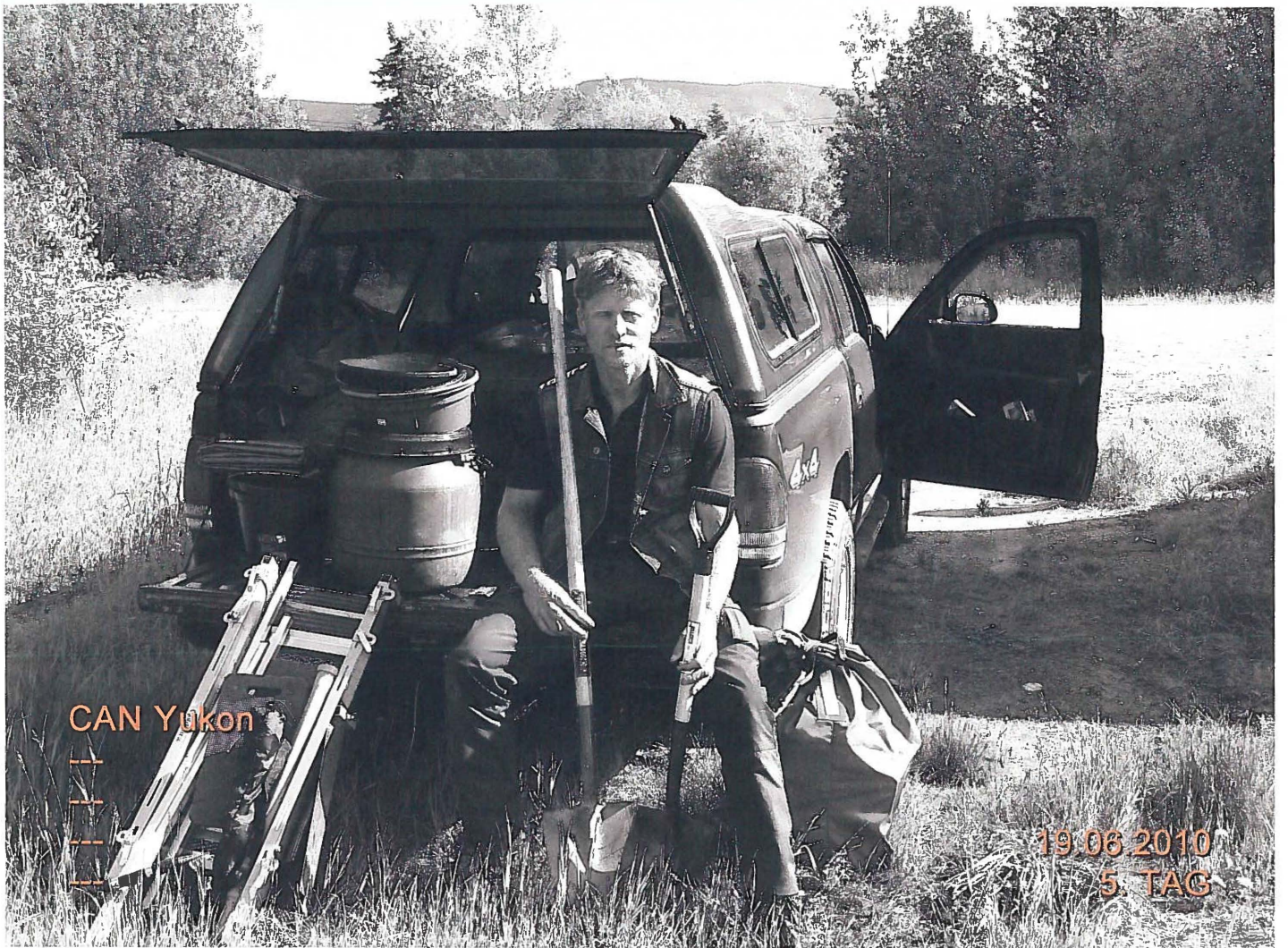


Conclusion:

Due to the lack of gold there is no further interest in pursuing more testing on this creek.

Additionally some fine gold sampling on McQuesten has been conducted. Two test pits above the waterline showed a remarkable amount of fine gold in the upper layers, around 150 – 200 mesh big.

Location	Result
Morrison #1	Few gold particles between 150 and 30 mesh
Morrison #2	Few gold particles around 150 mesh
Morrison #3	No recognizable amount of gold
Johnson #4	Gold particles 150 mesh and bigger
Johnson #5	Only black sand
No Name #6	No gold
No Name #7	No gold



CAN Yukon



19.06.2010
5. TAG

at the start YHIP



CAN Yukon



19.06.2010
5. TAG



CAN Yukon Bush

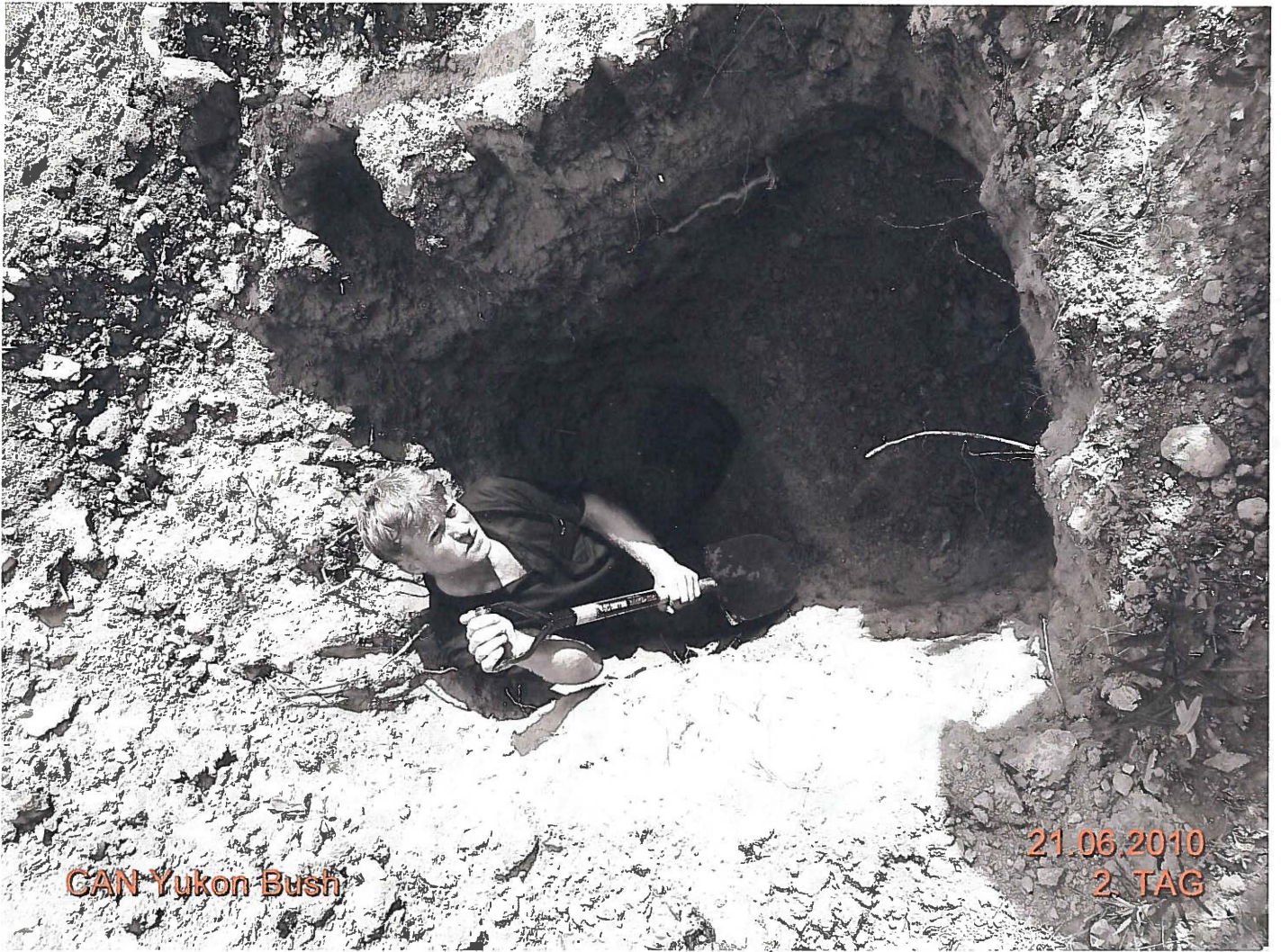
20.06.2010
1 TAG

Horvison - Cv.



CAN Yukon Bush

20.06.2010
1 TAG



CAN Yukon Bush

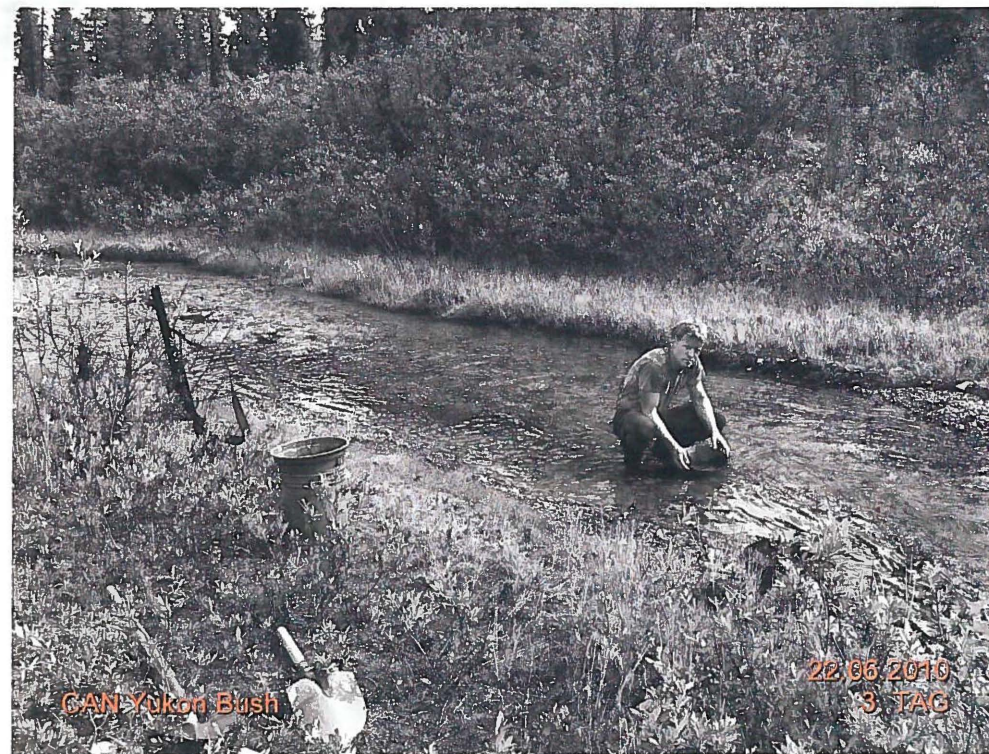
21.06.2010
2 TAG

on Morrison - Co.

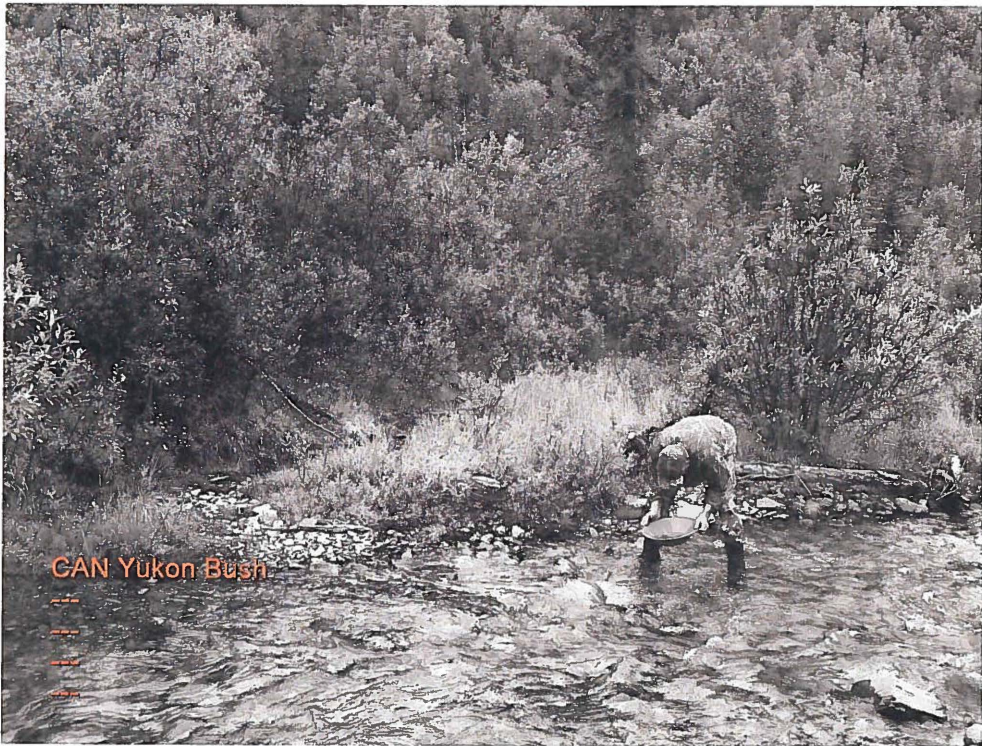


CAN Yukon Bush

21.06.2010
2 TAG



on Morrison-Cr., at the end





basic camp and around



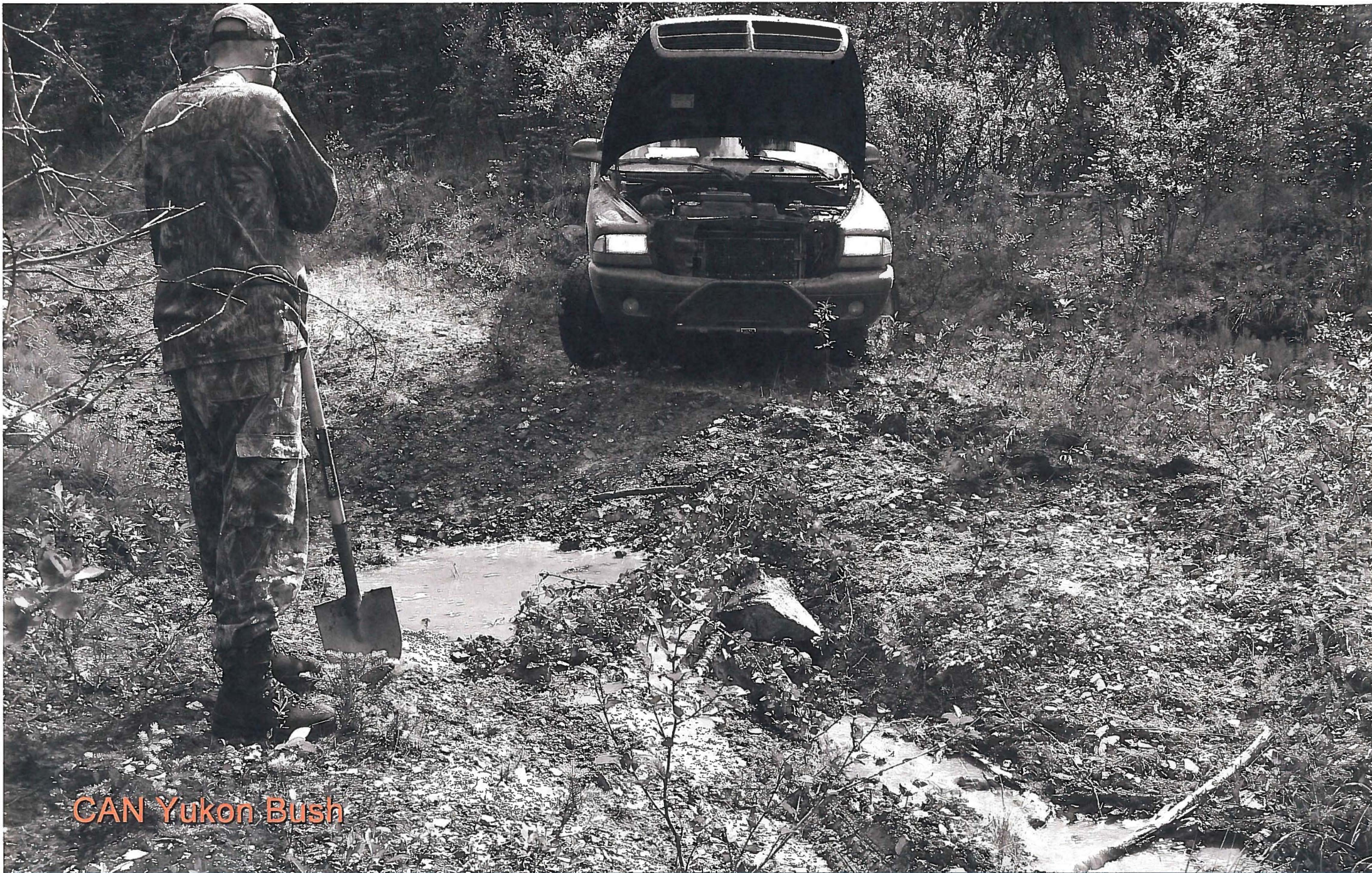
26.06.2010
7 TAG

CAN Yukon Bush



CAN Yukon Bush

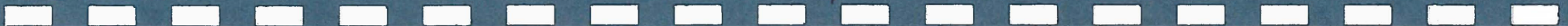
26.06.2010
7 TAG



CAN Yukon Bush

Suchbegriff : YT
Kommentar : -

put down the car on Sabbath - Cv.



old junk on way



CAN Yukon Bush

27.06.2010
8. TAG



CAN Yukon Bush

27.06.2010
8. TAG

walk to Johns - Cr.

small creek inflow Johnson - Cr.



CAN Yukon Bush

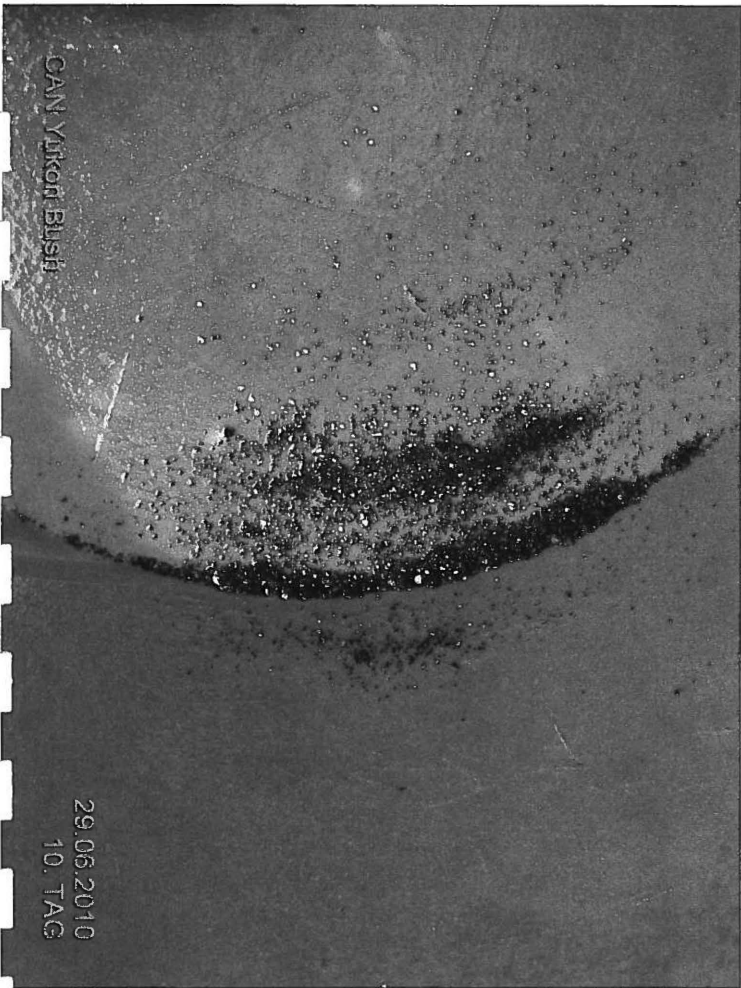
27.06.2010
8. TAG



CAN Yukon Bush

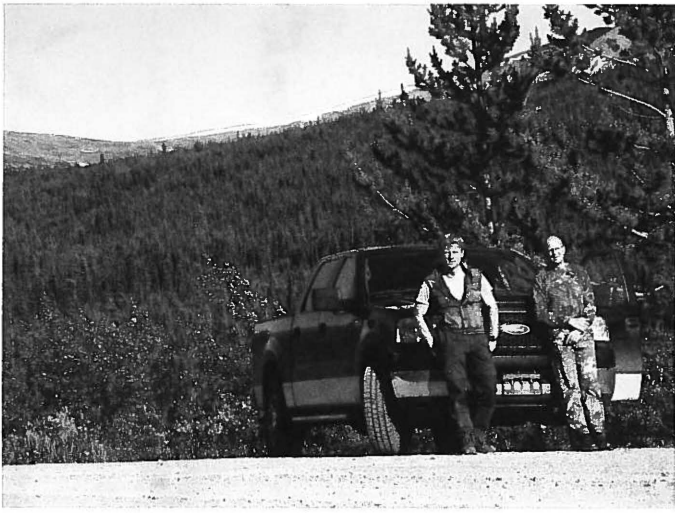
27.06.2010
8. TAG

to take with samples



basic-camp: to clean samples on settling-pond





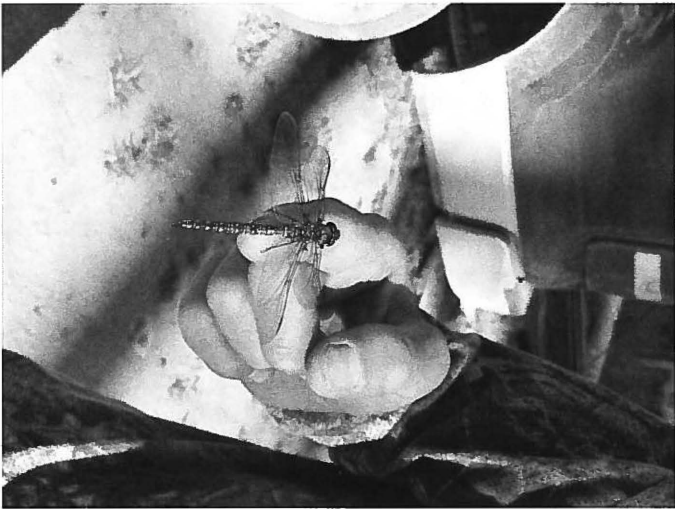
on road



outdoor life 2



to try a new method for sampling



dragon fly 3



brown bear in the bush



to change car

FINAL SUBMISSION FORM:

Date/location	Saturday, 2010 June 19. Whitehorse – via Mayo – to Hight Creek
Coordinate(altitude)	N 63° 45.992' W 136° 11.844' (990 metre)
Target	Basic-camp f. nights, conference, cleaning
To Do am	Drive to Hight Creek
To Do pm	Drive to and build camp and conference about doing on next day (till 11.30pm)
(number) test pits-measure	
Ground structure	
Stone-deposit	
Temporary result	
Result	

Date/location	Sunday, 2010 June 20. Morrison Creek
Coordinate(altitude)	N 63° 48.351' W 136° 09.879' (991 metre) 08 V 0442642 UTM 7075903
Target	YT-Morr: YMIP.1
To Do am	Drive to Morrison Creek, worked by shovel and pickax
To Do pm	Worked again, to take with sample-material out of spot
(number) test pits-measure	(1) 6 x 4 x 6 ft (l x w x depth) (2) spot inside 2 x 2 x 3 ft
Ground structure	Sand and gravel – clay is coming (no perma frost)
Stone-deposit	70 % rough / square 30 % round / circular (the size of a fist)
Temporary result	No gold in upper layer in head-hole during test-cleaning
Result	In the sample-material (out of spot) are 2 particle of gold (150 and 30 mesh = 0,17 + 0,85 mm)

FINAL SUBMISSION FORM:

Date/location	Monday, 2010 June 21. Morrison Creek
Coordinate(altitude)	N 63° 48.286' W 136° 09.833' (984 metre) 08 V 0442678 UTM 7075782
Target	YT-Morr: YMIP.2
To Do am	Before to go to Mayo – Mining Recorder and telephone-call to Whitehorse; then drive to Morrison Creek
To Do pm	Arrived and worked by hand shoveling near creek
(number) test pits-measure	(1) 2 x 2 x 3 ft (2) 3 x 2 x 4 ft
Ground structure	Light covering of overburden, sand and gravel is coming in an old dry-riverbed
Stone-deposit	80 % rough 20 % round (the size of walnut)
Temporary result	To move on black sand, a little (not a lot of) particle of gold in a small format > 150 till 180 mesh
Result	

Date/location	Tuesday, 2010 June 22. Morrison Creek at the end
Coordinate(altitude)	N 63° 48.707' W 136° 08.271' (860 metre) 08 V 0443973 UTM 7076541
Target	YT-Morr: YMIP.3
To Do am	Travelling to the end of Morrison Creek by car and within walking to dig different test pits by hand shoveling
To Do pm	Take samples from test pits and walking back
(number) test pits-measure	(4) 2 x 2 x 2 ft each of the test pit
Ground structure	Coarse sand and angular gravel, partly mud flow-deposits
Stone-deposit	40 % rough 60 % round (the size of walnut in average)
Temporary result	Not to contain a certain amount of gold, to do test pits in this upper layer by hand shoveling
Result	

FINAL SUBMISSION FORM:

Date/location	Wednesday, 2010 June 23. find Johnson Creek
Coordinate(altitude)	To be stuck by car on N 63° 45.915' W 136° 16.186' 08 V 0437376 UTM 7071478
Target	Via Hight Creek – via Sabbath Creek – to Johnson Creek
To Do am	Go by car and try to find a possibility to catch Johnson Creek parts of trail (lower part) are washed out and all times
To Do pm	Leave the bush to Dawson in order to repair the car (thermostat, cooler-over heating), fill up food and buy a new kind of sieves (12 + 20 mash)
(number) test pits-measure	
Ground structure	
Stone-deposit	
Temporary result	Stay night on campground-Motel in Dawson far car repair
Result	

Date/location	Thursday, 2010 June 24. back route from Dawson
Coordinate(altitude)	
Target	
To Do am	Repaired car by car-mechanic; leave Dawson
To Do pm	Back route via Mayo to Hight Creek
(number) test pits-measure	entering Hight Creek on 2 pm
Ground structure	Cleaning samples
Stone-deposit	Conference about doing on next day
Temporary result	
Result	

FINAL SUBMISSION FORM:

Date/location	Friday, 2010 June 25. basic-camp
Coordinate(altitude)	
Target	
To Do am	Meeting Inspector Bill Leary, mining-recorder, Mayo fill up gas for car, back to basic-camp build a small sluice on settling-point to clean samples
To Do pm	Clean samples from Morrison Creek for three times
(number) test pits-measure	
Ground structure	Samples-material from Morrison Creek
Stone-deposit	
Temporary result	
Result	A little bit gold-particle (2) in 6 kg samples-materials

Date/location	Saturday, 2010 June 26. Johnson Creek
Coordinate(altitude)	N 63° 47.223' W 136° 22.073' (632 metre) 08 V 0432589 UTM 7074007
Target	YT-Johns: YMIP.4
To Do am	Drive and put down the car on Sabbath Creek travelling / walk on an old trail and to crawl through the heavy bushes
To Do pm	Entering our target and take test pits on 4 different places by about 2 x 2 x 2 ft
(number) test pits-measure	(4) 2 x 2 x 2 ft
Ground structure	Sand and gravel, partly mud flow-deposits
Stone-deposit	40 % rough 60 % round
Temporary result	A lot of black sand and few particles of gold
Result	Gold particles are > 150 mesh

FINAL SUBMISSION FORM:

Date/location	Sunday, 2010 June 27. Johnson Creek
Coordinate(altitude)	N 63° 46.747' W 136° 19.601' (853 metre) 08 V 0434601 UTM 7073080
Target	YT-Johns: YMIP.5
To Do am	Walk to a new target, a small creek inflow Johnson Creek
To Do pm	Worked by hand shoveling, to take with samples
(number) test pits-measure	(3) each 2 x 2 x 3 ft
Ground structure	Coarse sand and gravel, fine sand is coming
Stone-deposit	
Temporary result	A little bit of black sand, no gold particles
Result	

Date/location	Monday, 2010 June 28. Johnson Creek / basic-camp
Coordinate(altitude)	N 63° 46.747' W 136° 19.601' (853 metre) 08 V 0434601 UTM 7073080
Target	YT-Johns: YMIP.5
To Do am	Walk to and worked again, before fill tank (gas) and water in Mayo – telephone-call to Whitehorse “Daniela”
To Do pm	Came back to basic camp on Hight Creek
(number) test pits-measure	(2) each 2 x 2 x 3 ft
Ground structure	Coarse sand will be done fine sand
Stone-deposit	Black sand and a little bit of gold particles
Temporary result	
Result	5 pieces > 200 mesh

FINAL SUBMISSION FORM:

Date/location	Tuesday, 2010 June 29. basic-camp
Coordinate(altitude)	
Target	
To Do am	To clean samples from Johnson Creek
To Do pm	To clean samples and clean equipment, too
(number) test pits-measure	
Ground structure	
Stone-deposit	
Temporary result	
Result	Separated gold particles from samples

Date/location	Wednesday, 2010 June 30. find bear – creek via Minto Lake
Coordinate(altitude)	
Target	
To Do am	Drive to Mayo – fill tank and got to car mechanic for water-cooler
To Do pm	Try first way via Minto Lake – on trail, after north-west the lake, the trail is washed out mostly try a new trail via highway (II). Same problems with the trail are coming to go to bear Creek by car isn't possible
(number) test pits-measure	
Ground structure	
Stone-deposit	
Temporary result	
Result	

FINAL SUBMISSION FORM:

Date/location	Thursday, 2010 July 1. no-named-Creek
Coordinate(altitude)	N 63° 38.638' W 137° 09.609' (550 metre)
Target	YT-no name YMIP.6
To Do am	Got to no named-Creek on way to Vancouver Creek via highway 11 and 2
To Do pm	Find no named-Creek and work on different places, 5 metres near the creek
(number) test pits-measure	(4) 2 x 2 x 2 ft
Ground structure	Sand and gravel and clay
Stone-deposit	Any times black sand and pyrite
Temporary result	
Result	Not amount of gold particles

Date/location	Friday, 2010 July 2. No named-Creek
Coordinate(altitude)	N 63° 35.769' W 137° 17.827' (534 metre)
Target	YT-Hangl: YMIP.7
To Do am	Go to no named-Creek
To Do pm	Worked and take with samples-material
(number) test pits-measure	(2) 2 x 3 x 4 ft angular gravel and fine sand
Ground structure	
Stone-deposit	
Temporary result	Not amount of gold particles
Result	

FINAL SUBMISSION FORM:

Date/location	Saturday, 2010 July 3. basic-camp and Mc Questen
Coordinate(altitude)	N 63° 33.490' W 137° 23.702' (457 metre)
Target	
To Do am	Clean up samples-material and made conference and paperwork
To Do pm	Go to Mc Questen via highway 11 and 2 made test pits above waterline near river Many gold-particles on top of the ground, very fine > 200 mesh
(number) test pits-measure	
Ground structure	
Stone-deposit	
Temporary result	
Result	

Date/location	Sunday, 2010 July 4. basic-camp
Coordinate(altitude)	Clean equipment and finished sluice for cleaning
Target	
To Do am	
To Do pm	
(number) test pits-measure	
Ground structure	
Stone-deposit	
Temporary result	
Result	

FINAL SUBMISSION FORM:

Date/location	Monday, 2010 July 5. closed basic-camp on Hightet Creek and drove to Whitehorse
Coordinate(altitude)	
Target	
To Do am	
To Do pm	
(number) test pits-measure	
Ground structure	
Stone-deposit	
Temporary result	
Result	

A handwritten signature in black ink, consisting of several overlapping, fluid strokes that form a stylized, illegible name or set of initials.