

YMEP 23 - 023

Dawson – Marion Creek

RC Drilling Report

Placer Lease ID02037

Placer Lease ID02039

Dawson Mining District

NTS: 115N08

Latitude: 63° 26.000' N

Longitude: 140°20.000' W

Drill Work from June 20 to June 27, 2023

AUTHOR OF REPORT SHAWN RYAN

Date of Report: January 28, 2024

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SUMMARY

This report covers a regional placer drilling exploration program conducted between June 19 – 28 on Marion and Dawson Creek.

A total of 1072 feet were drilled in 44 holes, with 15 holes (392 ft) on Marion and 29 holes (680 ft) on Dawson Creek.

Marion Creek produce nice drill results across both lines. With consistent high grade hits in the 10 mg + Au intersected on both lines.

Dawson Creek results were much lower with only 2 holes having 3-4 mg, 2 holes in the 1 mg range and 9 holes had some gold at .5 mg.

2.0 INTRODUCTION

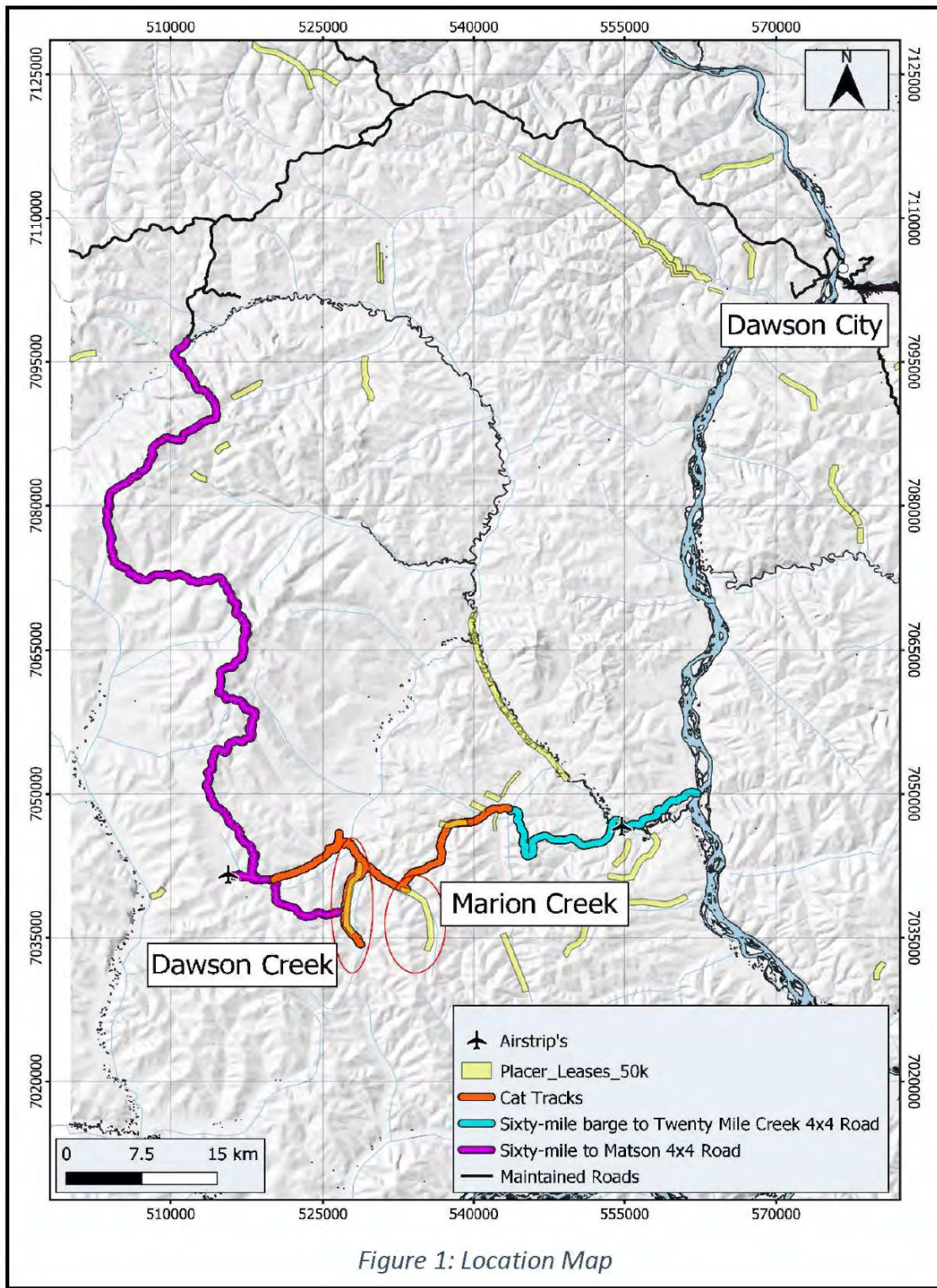
A 6 person crew that consist of a pilot, cook, driller, drill helper, sampler and foreman/processor conducted a 7 day helicopter regional drill program (based out of Henderson creek 60 km east) on Marion Creek and Dawson Creek. The drill program drilled 2 sections on each creek from June 20 to 27.

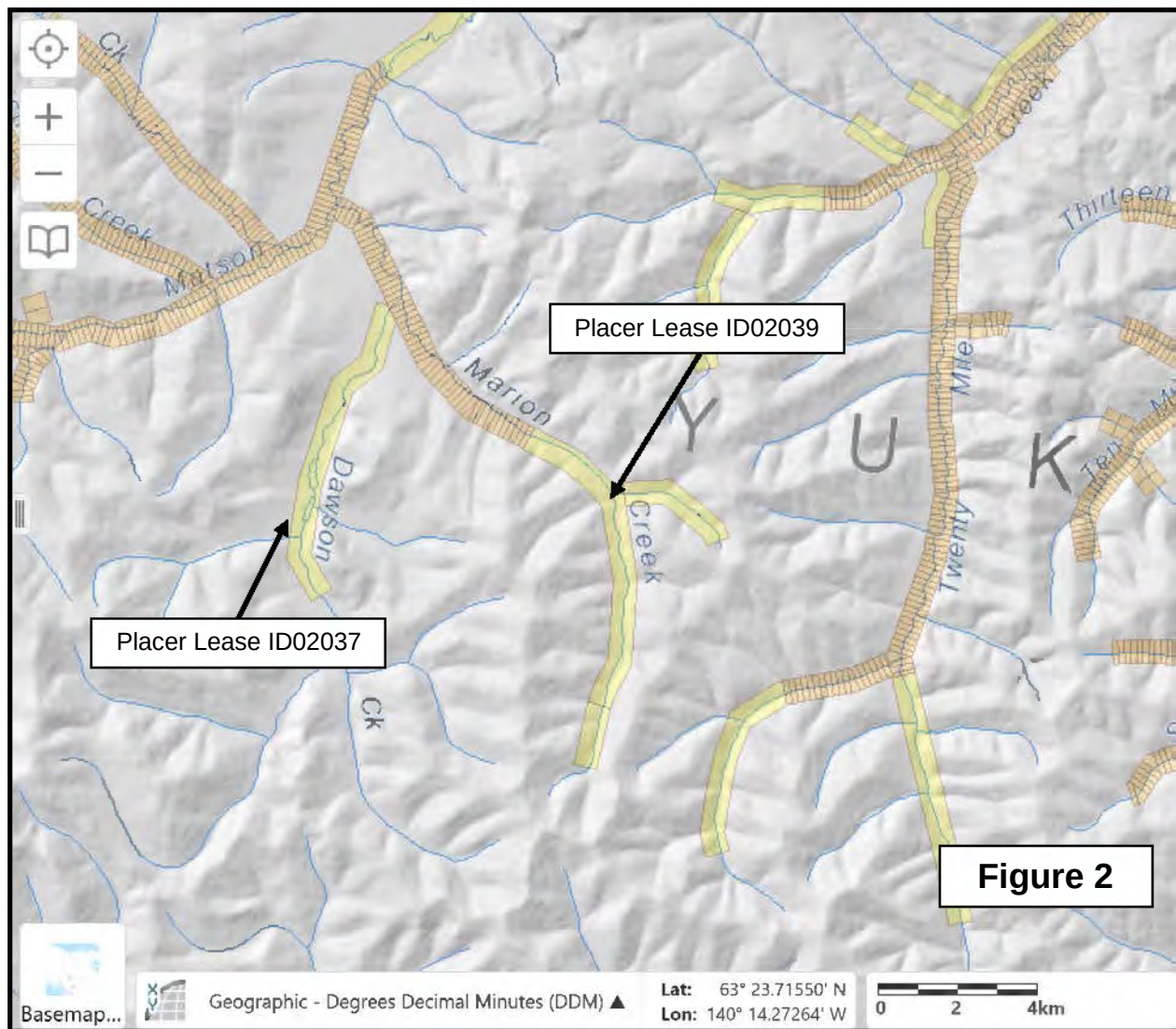
3.0 LOCATION

The leases are located 85 km's south-west of Dawson City. The targets are located at Latitude: 63° 28' 8.4" N Longitude: -140° 22' 50.3" W and located on NTS map sheet 115N09 and 115N08.

4.0 ACCESS

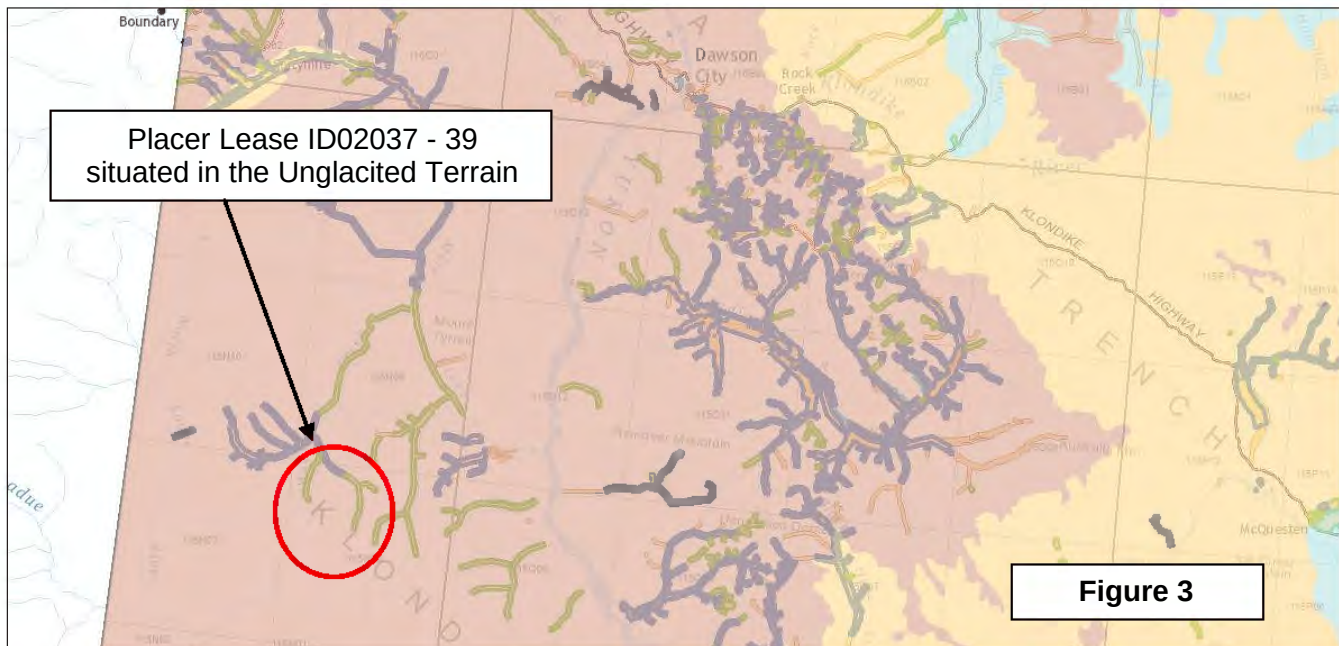
The Leases can be accessed by helicopter year-round and there is a pickup truck road via the top of the world and the sixty-mile river from the north. The road is in very good condition on the ridges from Sixty mile. A gravel airstrip is in Matson creek which is only about 13 km's from Dawson creek by road. There is also a historic cat track running over the hill between Marion Creek and Twenty Mile Creek which links up with a 4x4 road to the Sixty Mile Barge landing. (Figure 1





Placer Lease Location Map

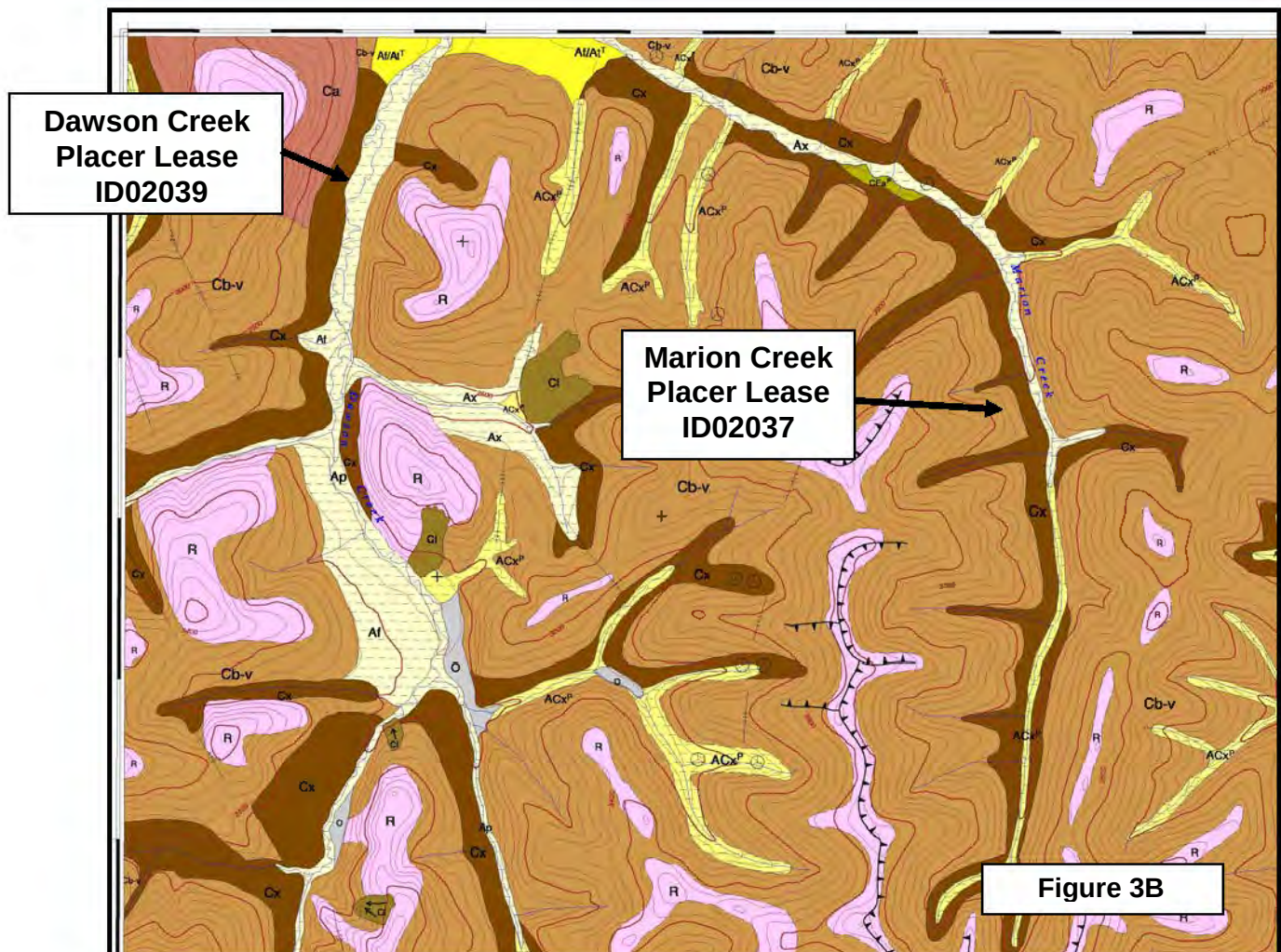
5.0 REGIONAL GLACIATION AND SURFICIAL GEOLOGY



The Placer Lease (red Circle above) lies within the Unglaciaded Terrain of the Yukon.

The Marion Creek Surficial Map below indicates that the creek valley bottom running through the Placer Lease is covered by three different units. The lower Ax unit running along the valley bottom are composed of Floodplain alluvials, followed by the AtT unit (higher bench gravel) intermixed with (ACXp) of alluvial and colluvial complex sediments of silts ,sands and gravel that are poorly sorted.

OPEN FILE 4576
SURFICIAL GEOLOGY
MARION CREEK
YUKON TERRITORY



The main surficial unit mapped in Marion Creek is the Ax Unit, describe as Alluvial Sediment Complex.

The Dawson Creek valley is noted with Af and Ap unit describe as Alluvial Deposits of Floodplain deposits and Alluvial fans.

ALLUVIAL DEPOSITS: gravel to silt size sediments, well stratified, deposited by streams

Ap

Floodplain Sediments: gravel, cobble to pebble; massive to well stratified, capped by sand and silt; flat lying; includes lacustrine and organic deposits in abandoned channels and backswamp areas; subject to periodic inundation and reworking by floods; thickness 1 to 5 m

Af

Alluvial Fan Sediments: gravel, sand, silt, and diamicton, massive to well stratified; sediments form fan-shaped landforms or complexes of coalesced fan-shape landform at the confluence of tributary streams; may be subject to flooding accompanied by sudden stream migration and inundation; thickness up to 10 m

Ax

Alluvial Sediments Complex: sediments forming floodplains, fans, and terraces that cannot be subdivided at this map scale

At^T

High Level Terrace Sediments (includes White Channel Gravel and equivalent sediments): weathered pebble to cobble gravel > 1 m thick; surface soils may extend to 2 m depth with well developed clay skins on clasts, frequent signs of cryoturbation (ice wedge pseudomorph and sand wedges), and strong chemical weathering; within the Yukon River valley, terraces above the 500 m contour may be remnant features from the southward-flowing paleo-Yukon River drainage system

ACx^P

Alluvial/Colluvial Complex Sediments: silt, sand and gravel, poorly to moderately sorted; thin to thick bedded, interstratified with colluvial diamicton; sediments underlie the floors and margins of narrow upland valleys and grade laterally up slope into colluvial blankets; sediments may represent several depositional cycles; thickness may exceed 10 m in mid-valley locations

Cx

Colluvial Complex Sediments: areas of intergrading colluvial and alluvial sediments which are too complex to subdivide at the scale of mapping; unit may include colluvial and alluvial fan, colluvial blanket, landslide sediments and colluviated drift within the limits of glaciation; the unit commonly occurs along the lower slopes of valley margins

Cb-v

Colluvial Blanket and Veneer Sediments: diamicton, stony with a sandy matrix; massive to poorly stratified; colluviated blankets generally conform to underlying bedrock and exceed 1 m in thickness; veneers are < 1 m in thickness and are commonly discontinuous over bedrock

6.0 WORK PERFORMED / METHODS

6.1 DRILLING

The Program started with mobilizing the RC drill (28 km) on June 19 from the Five Mile Regional drill program.

A four person crew that consist of a driller, drill helper, sampler and foreman / processor were flown in daily by helicopter to Marion and Dawson Creek from a base camp set up at Henderson creek. The drill program started on June 20 and finished on June 27.

6.2 DRILLING AND SAMPLING PROCEDURE

The RC Drill is a light-weight rotary percussion drill rig mounted on a set of rubber tracks. The drill was converted from a conventional deep hole drill for hard rock drilling to an overburden testing drill designed to drive a 4" and 6" cased hole in the creek bottoms.

The drill is equipped with a wireless control system used to drive from site to site and is equipped with 4 outriggers to self level on drill sites and has a larger drill foot on the mast to disperse weight when drilling in soft and wet terrain. The rubber tracks on the drill give it 1.8psi ground pressure allowing it to be extremely versatile and low impact in the field.

The RC drill rig uses a downhole rotary percussion hammer with a RAB advancing system and crossover sub above the hammer which uses compressed air from two 300CFM, 200PSI stationary air compressors delivered to the drill by 2" air hose.

Drill cuttings are sieved in a pail of water to visually confirm gravel and bedrock layers while drilling and returned to the bag at the end of each hole.

Pay gravels are sluiced onsite during drilling through a Gold Hog Raptor sluice.

The concentrate is then panned, and gold grain count and weight estimate are done visually.

Once out of the field the gold is then weighed using a scientific ACZEL CY 124 scale which has a readability of 0.1 milligrams and certified 1mg and 5mg TROEMNER calibration weights. The scale is calibrated every 20 minutes of after every 5 drill holes, whichever comes first.

Drillhole data is logged nightly into a drillhole database. The following is logged for each drill hole, Hole ID, XY Coordinates, Drill Method, Hole Diameter, Drill Date, Overburden Type, Overburden thickness, Gravel Thickness, Bedrock Depth, Total Hole Depth and Recovered AU mg (visually estimated). A section is drafted of each drill hole fence with topography and creek location.

7.0 RC Drilling Interpretations

Marion Creek (June 20 - 23, 2023)

The Southern Section covers 65 meters with 7 drill holes (10 m spacing). It averaged 25 feet to bedrock with 12-15 feet of muck and 10-12 feet of gravel.

Every hole hit some gold, with a higher grade 30 meter section. Three holes had values of 6.6, 12, and 15.2 mg Au.

The Northern Section located 2.6 km downstream covered an 80 meter section with 8 drill holes. Bedrock average 17 feet deep, covered with 8 - 10 feet of muck and 6-9 feet of gravel at the bottom.

Seven of drill holes return some values with a 65 meter section averaging 7 mg Au, with a 36 meter higher grade section averaging 8.95 mg Au. The two highest values reached 10.8 and 14.2 mg Au.

Dawson Creek (June 24 - 27, 2023)

The Southern Section covers a 80 meters section. A total of 8 holes were placed averaging 12 m apart, bedrock average 18 feet, with 11 to 12 feet of muck covering 5 to 7 feet of gravel in the bottom.

Values were low on this section with 3 holes having only, .5, .9 and 1 mg Au.

The Northern Section covers a 270 meter section. The valley bottom part (135 m) was covered with 13 drill holes (12 m spacing), averaging 18 feet to bedrock with average 7 to 8 feet of muck covering 10-12 feet of gravel.

Drill values were low with five holes at .5 mg, and two anomalous holes coming up with 3 and 4 mg Au.

The Bench was followed up with another 8 holes (15-18 m spacing) across 115 meters section. Bedrock started to dip into the hill from 17 feet deep on the edge of the Bench to 27 feet on the last hole into the hill. The overburden started with 7 feet on the edge to 22 feet in the back and average 15 ft, and the gravel section was thinner averaging 6-8 feet.

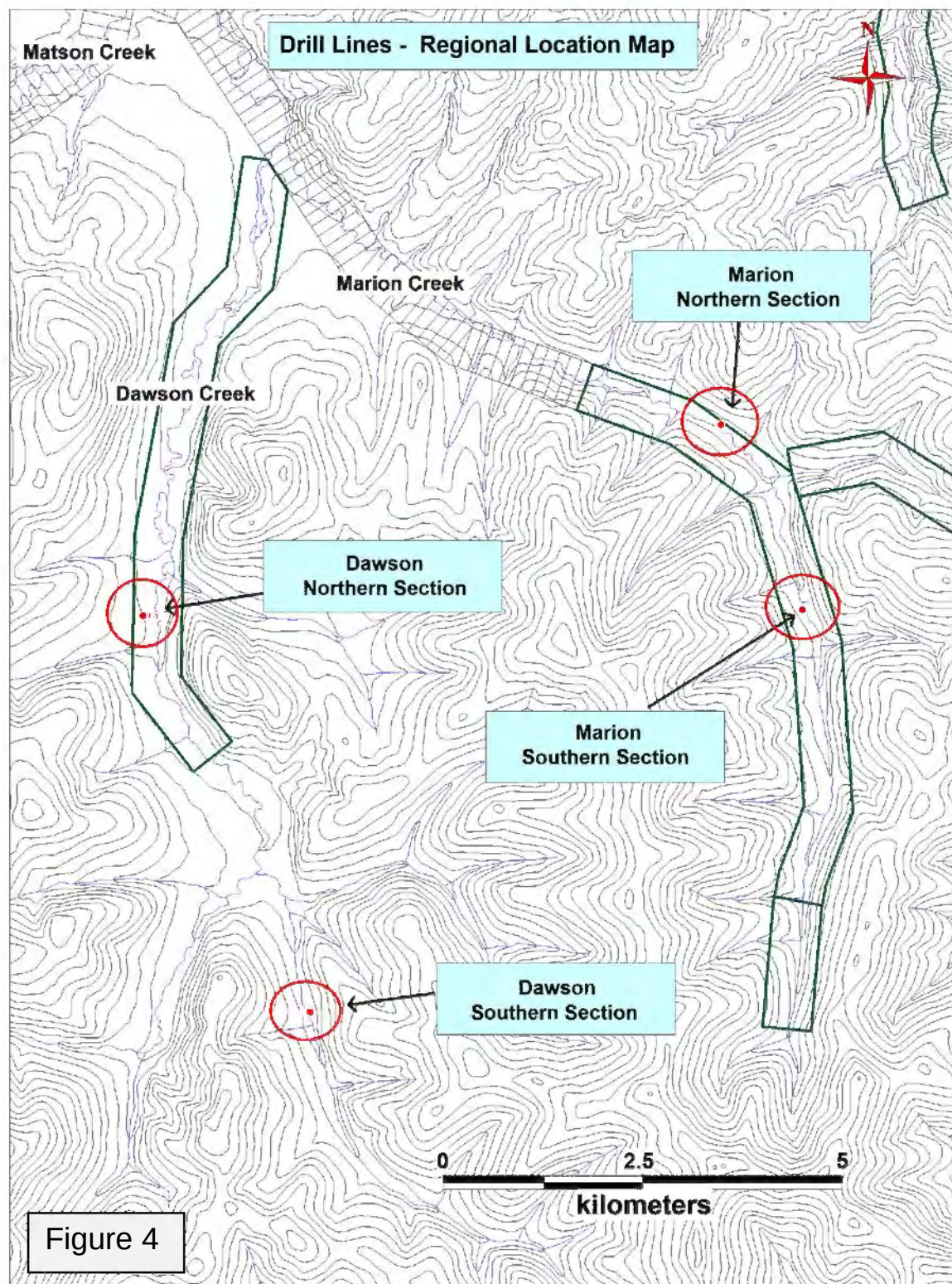
Only 4 holes out of 8 on the Bench returned low value of .5 mg Au.

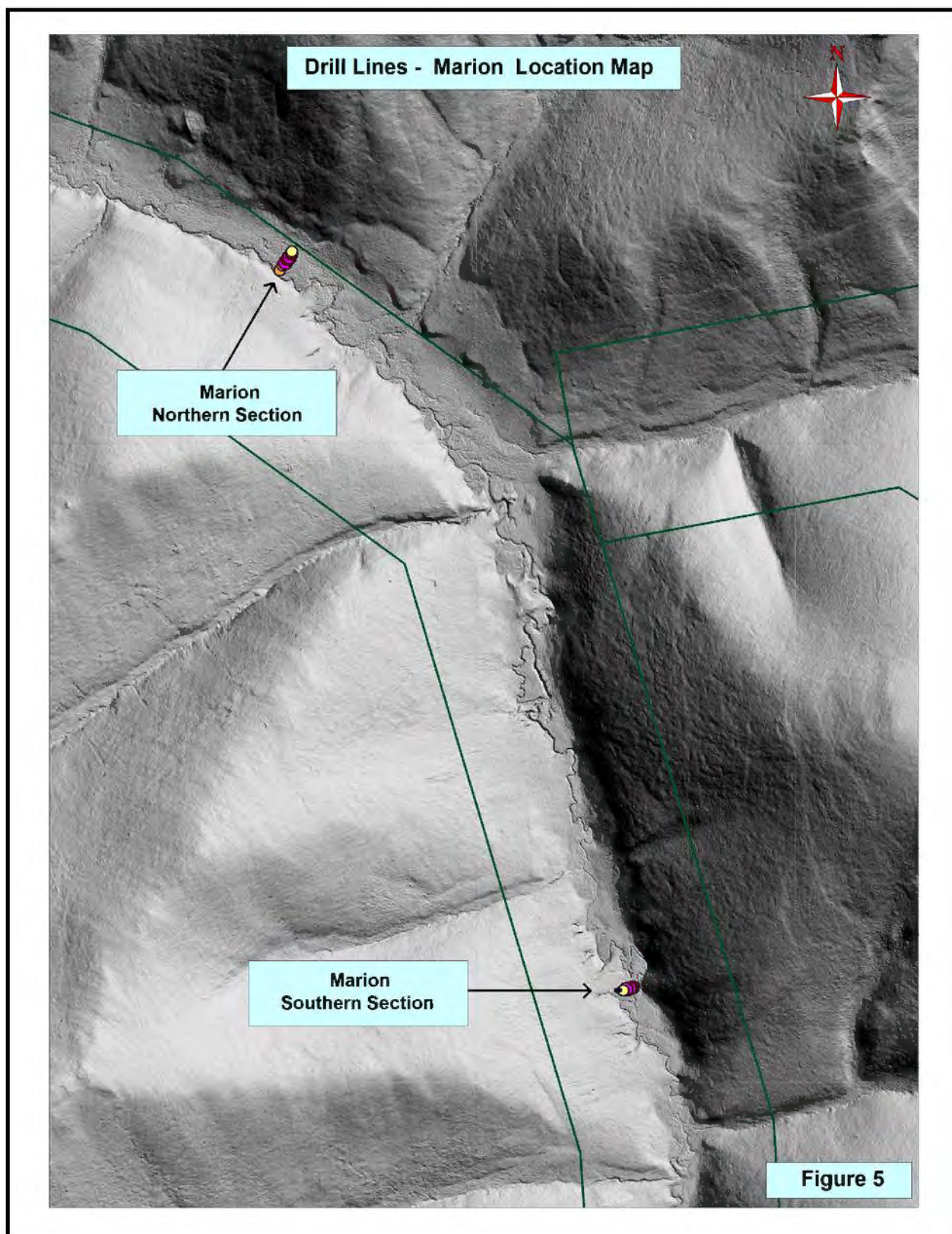
Marion Creek Drill Description

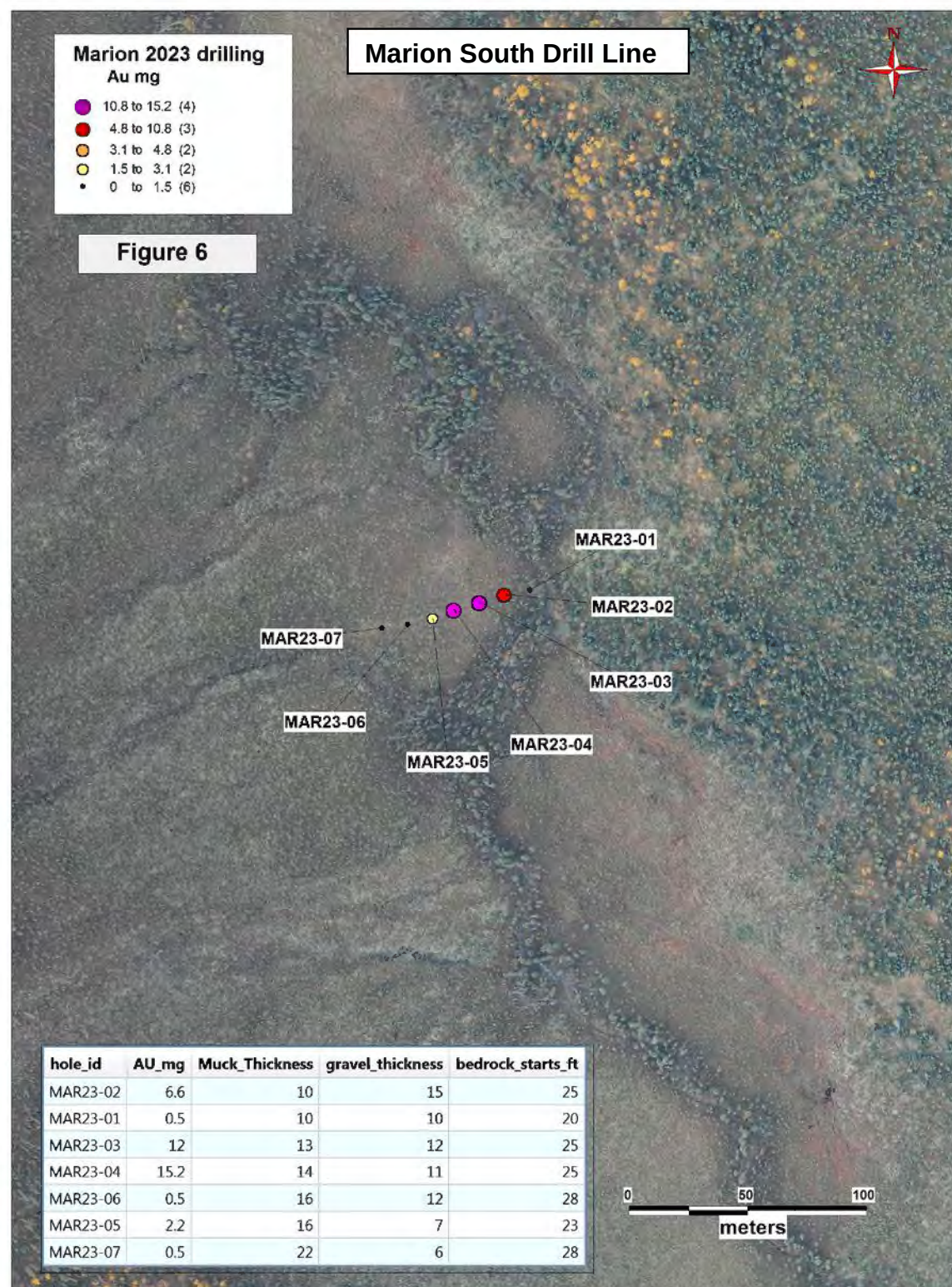
Hole_id	Zone	Easting	Northing	date_drilled	Method	Diameter	Muck ft	Gravel ft	Bedrock ft	Total Depth	AU_mg
MAR23-01	7	535503.2	7037304	20/06/2023	RC Drill	4"	10	10	20	25	0.5
MAR23-02	7	535492.3	7037302	21/06/2023	RC Drill	4"	10	15	25	30	6.6
MAR23-03	7	535481.9	7037299	21/06/2023	RC Drill	4"	13	12	25	32.5	12
MAR23-04	7	535471.2	7037296	21/06/2023	RC Drill	4"	14	11	25	30	15.2
MAR23-05	7	535462.4	7037292	21/06/2023	RC Drill	4"	16	7	23	27.5	2.2
MAR23-06	7	535451.9	7037290	21/06/2023	RC Drill	4"	16	12	28	35	0.5
MAR23-07	7	535441.2	7037288	21/06/2023	RC Drill	4"	22	6	28	32.5	0.5
MAR23-08	7	534376.8	7039538	22/06/2023	RC Drill	4"	6	10	16	22.5	0.5
MAR23-09	7	534386.4	7039545	22/06/2023	RC Drill	4"	8	8	16	22.5	3.2
MAR23-10	7	534396.1	7039560	22/06/2023	RC Drill	4"	8	9	17	22.5	3.1
MAR23-11	7	534403.3	7039568	22/06/2023	RC Drill	4"	8	9	17	22.5	10.8
MAR23-12	7	534410.8	7039579	23/06/2023	RC Drill	4"	10	7	17	22.5	6
MAR23-13	7	534416.6	7039586	23/06/2023	RC Drill	4"	12	6	18	22.5	14.2
MAR23-14	7	534423	7039597	23/06/2023	RC Drill	4"	11	6	17	22.5	4.8
MAR23-15	7	534424.4	7039604	23/06/2023	RC Drill	4"	8	10	18	22.5	1.5

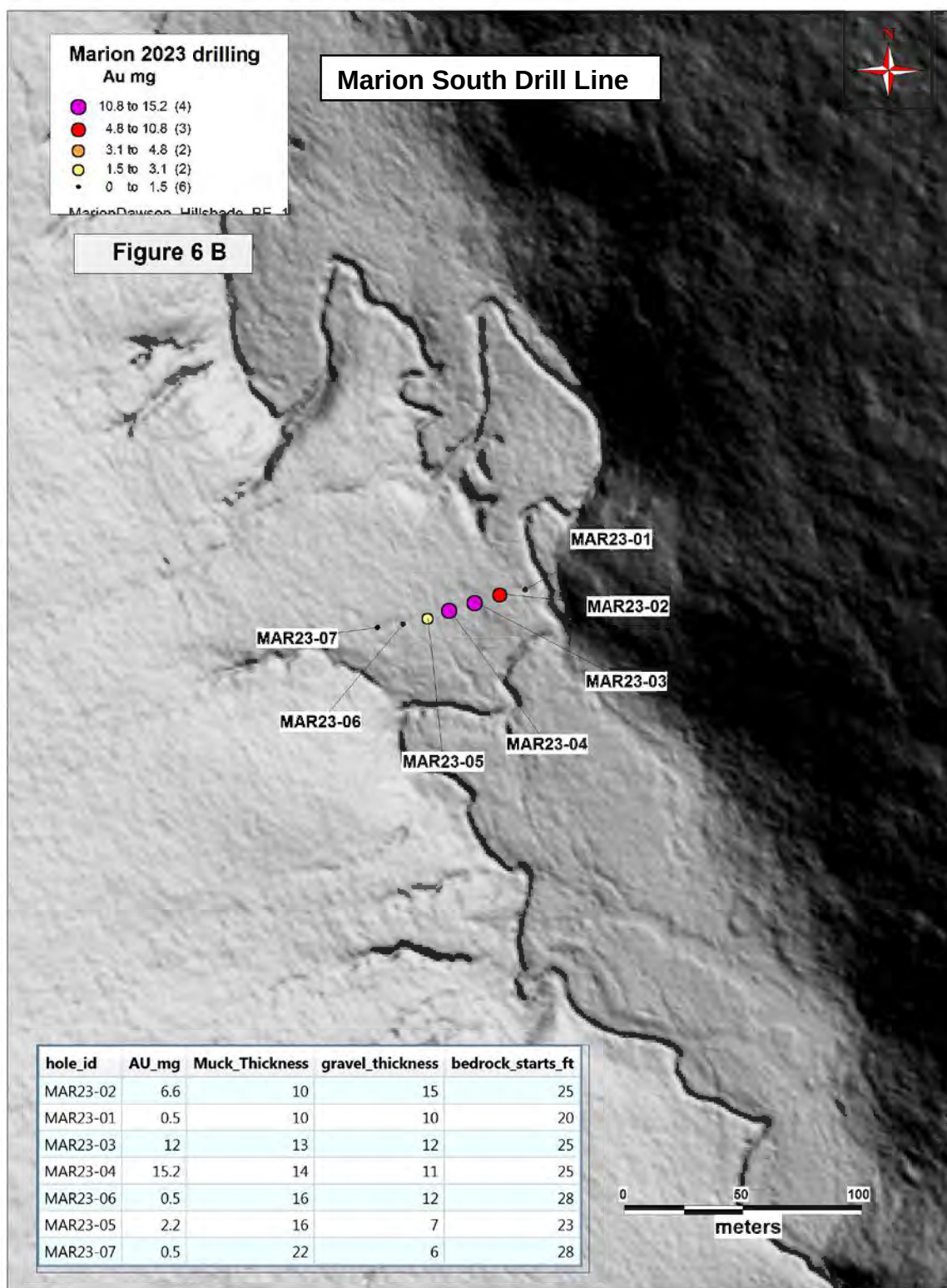
Dawson Creek Drill Description

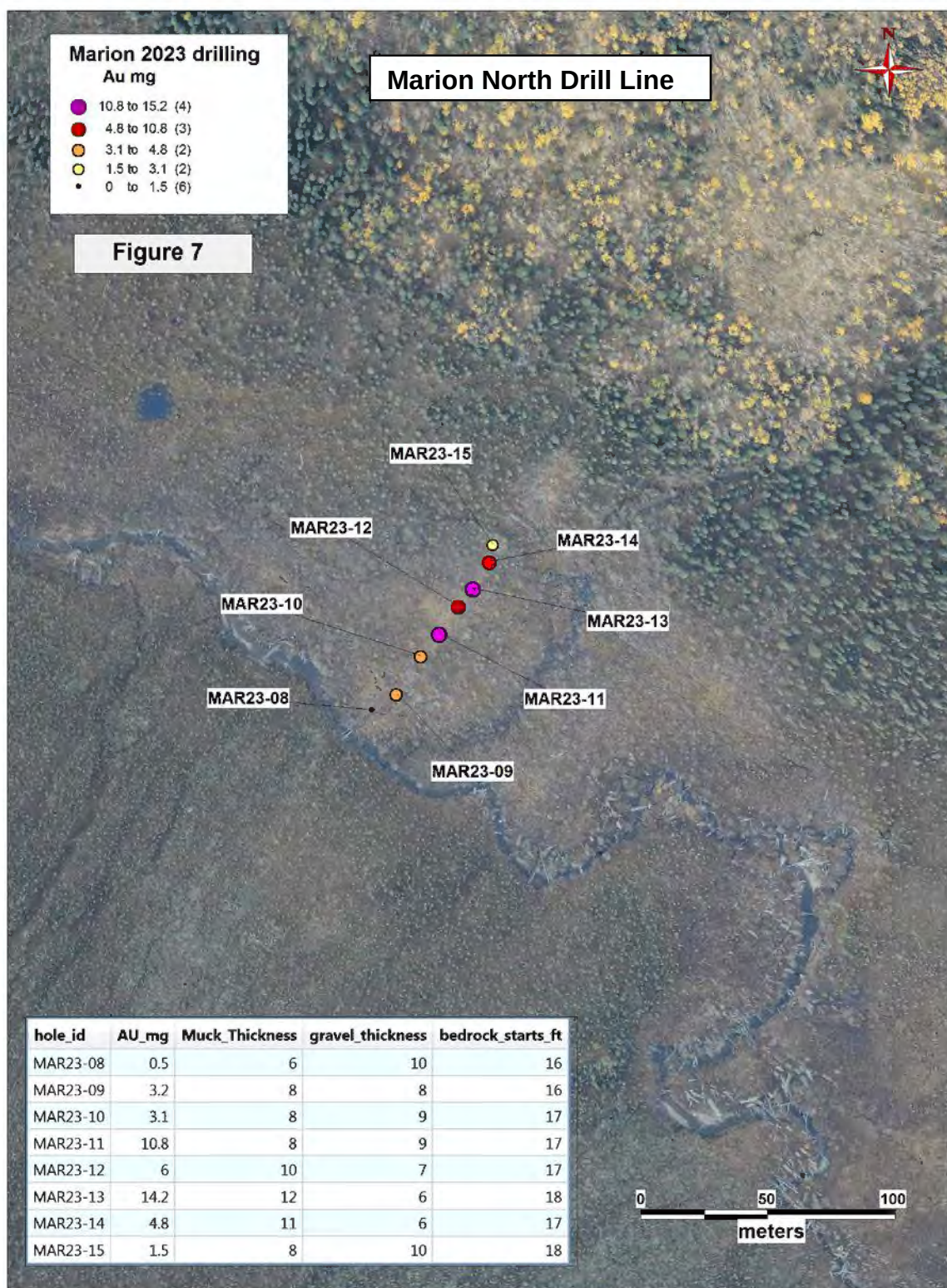
Hole_id	Zone	easting	northing	Date	Method	Diameter	Muck ft	Gravel ft	Bedrock ft	Total Depth	AU
DAW23-01	Nad 83-7	529198.2	7032246	24/06/2023	RC Drill	4"	14	5	19	22.5	0
DAW23-02	Nad 83-7	529209.3	7032247	24/06/2023	RC Drill	4"	12	3	15	20	0
DAW23-03	Nad 83-7	529219.6	7032248	24/06/2023	RC Drill	4"	11	5	16	20	0
DAW23-04	Nad 83-7	529230.7	7032249	24/06/2023	RC Drill	4"	11	7	18	22.5	0
DAW23-05	Nad 83-7	529242.3	7032249	24/06/2023	RC Drill	4"	11	7	18	20	1
DAW23-06	Nad 83-7	529254.6	7032250	24/06/2023	RC Drill	4"	11	7	18	20	0.5
DAW23-07	Nad 83-7	529266	7032249	24/06/2023	RC Drill	4"	13	6	19	22.5	0
DAW23-08	Nad 83-7	529276.9	7032250	24/06/2023	RC Drill	4"	14	8	22	25	0.9
DAW23-09	Nad 83-7	527442.7	7037203	25/06/2023	RC Drill	4"	8	12	20	30	0
DAW23-10	Nad 83-7	527433.9	7037207	25/06/2023	RC Drill	4"	8	12	20	30	0
DAW23-11	Nad 83-7	527424.9	7037208	25/06/2023	RC Drill	4"	8	12	20	25	0
DAW23-12	Nad 83-7	527411.7	7037210	25/06/2023	RC Drill	4"	8	12	20	25	0.5
DAW23-13	Nad 83-7	527398.8	7037211	25/06/2023	RC Drill	4"	8	12	20	30	0.5
DAW23-14	Nad 83-7	527386.9	7037210	26/06/2023	RC Drill	4"	6	13	19	22.5	0.5
DAW23-15	Nad 83-7	527374.6	7037210	26/06/2023	RC Drill	4"	6	8	14	17.5	0.5
DAW23-16	Nad 83-7	527361.3	7037209	26/06/2023	RC Drill	4"	6	12	18	22.5	4
DAW23-17	Nad 83-7	527350.8	7037208	26/06/2023	RC Drill	4"	6	10	16	20	0
DAW23-18	Nad 83-7	527339.5	7037207	26/06/2023	RC Drill	4"	6	11	17	20	0.5
DAW23-19	Nad 83-7	527331.7	7037205	26/06/2023	RC Drill	4"	14	4	18	22.5	0
DAW23-20	Nad 83-7	527318.4	7037202	26/06/2023	RC Drill	4"	8	8	16	20	3
DAW23-21	Nad 83-7	527307.1	7037200	26/06/2023	RC Drill	4"	10	7	17	20	0
DAW23-22	Nad 83-7	527288.1	7037199	26/06/2023	RC Drill	4"	7	10	17	22.5	0.5
DAW23-23	Nad 83-7	527277.9	7037203	27/06/2023	RC Drill	4"	13.5	4	17.5	22.5	0
DAW23-24	Nad 83-7	527259.5	7037210	27/06/2023	RC Drill	4"	11	7	18	20	0.5
DAW23-25	Nad 83-7	527245.1	7037209	27/06/2023	RC Drill	4"	12	8	20	25	0
DAW23-26	Nad 83-7	527228.3	7037213	27/06/2023	RC Drill	4"	13	10.5	23.5	27.5	0.5
DAW23-27	Nad 83-7	527208.9	7037212	27/06/2023	RC Drill	4"	15	6	21	25	0.5
DAW23-28	Nad 83-7	527199.3	7037214	27/06/2023	RC Drill	4"	18	7	25	30	0
DAW23-29	Nad 83-7	527178.5	7037215	27/06/2023	RC Drill	4"	22	5	27	30	0

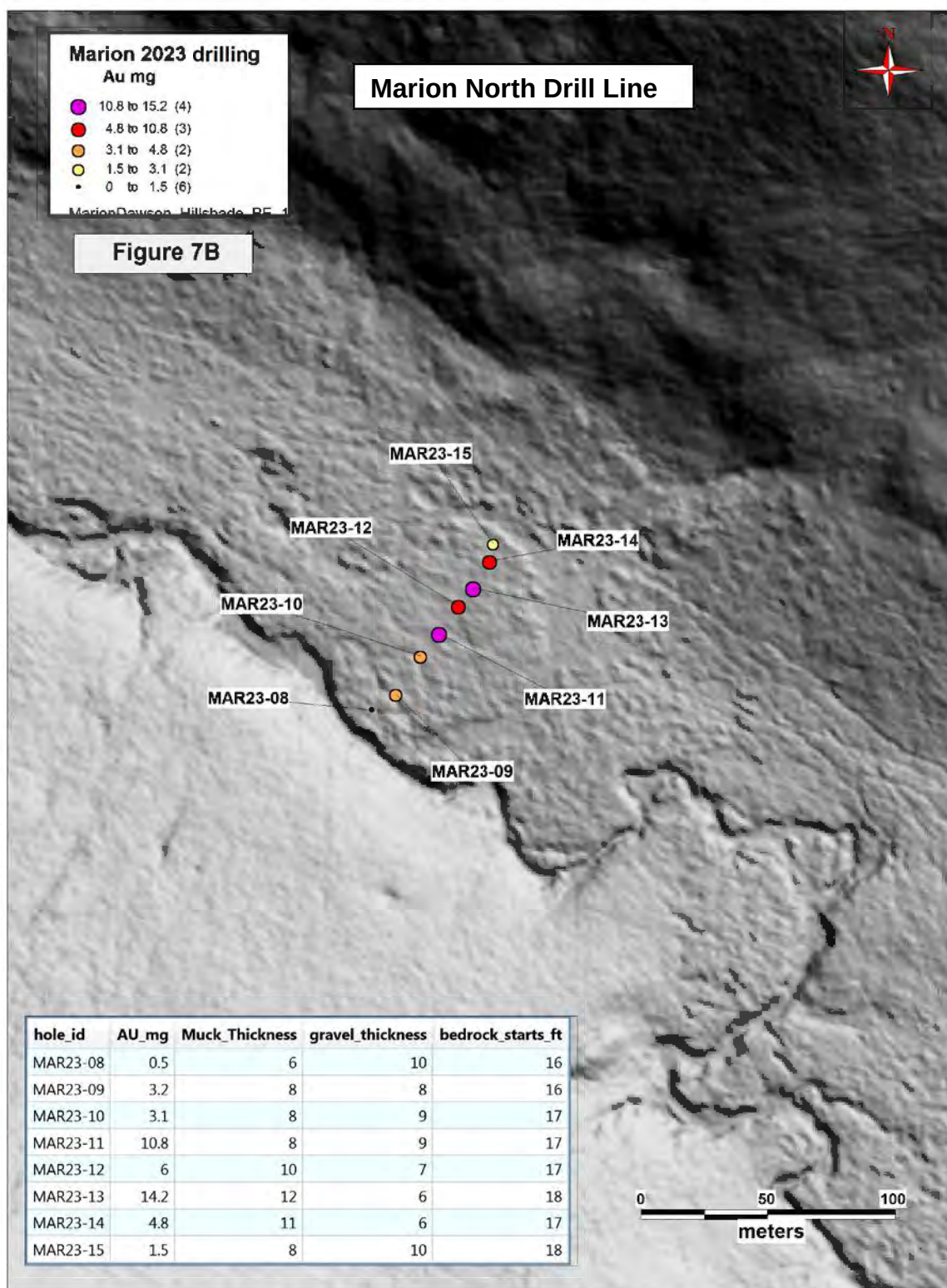


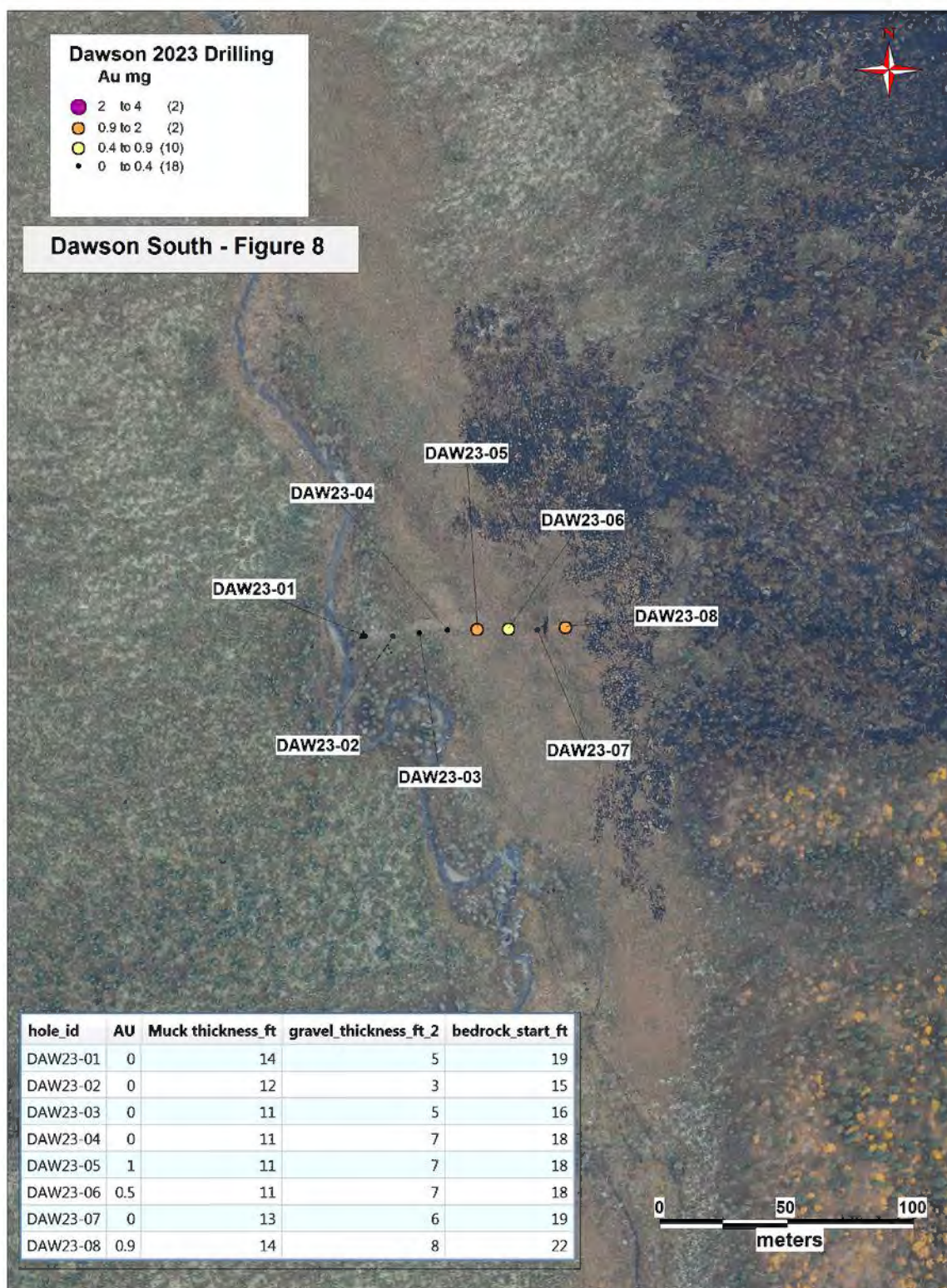


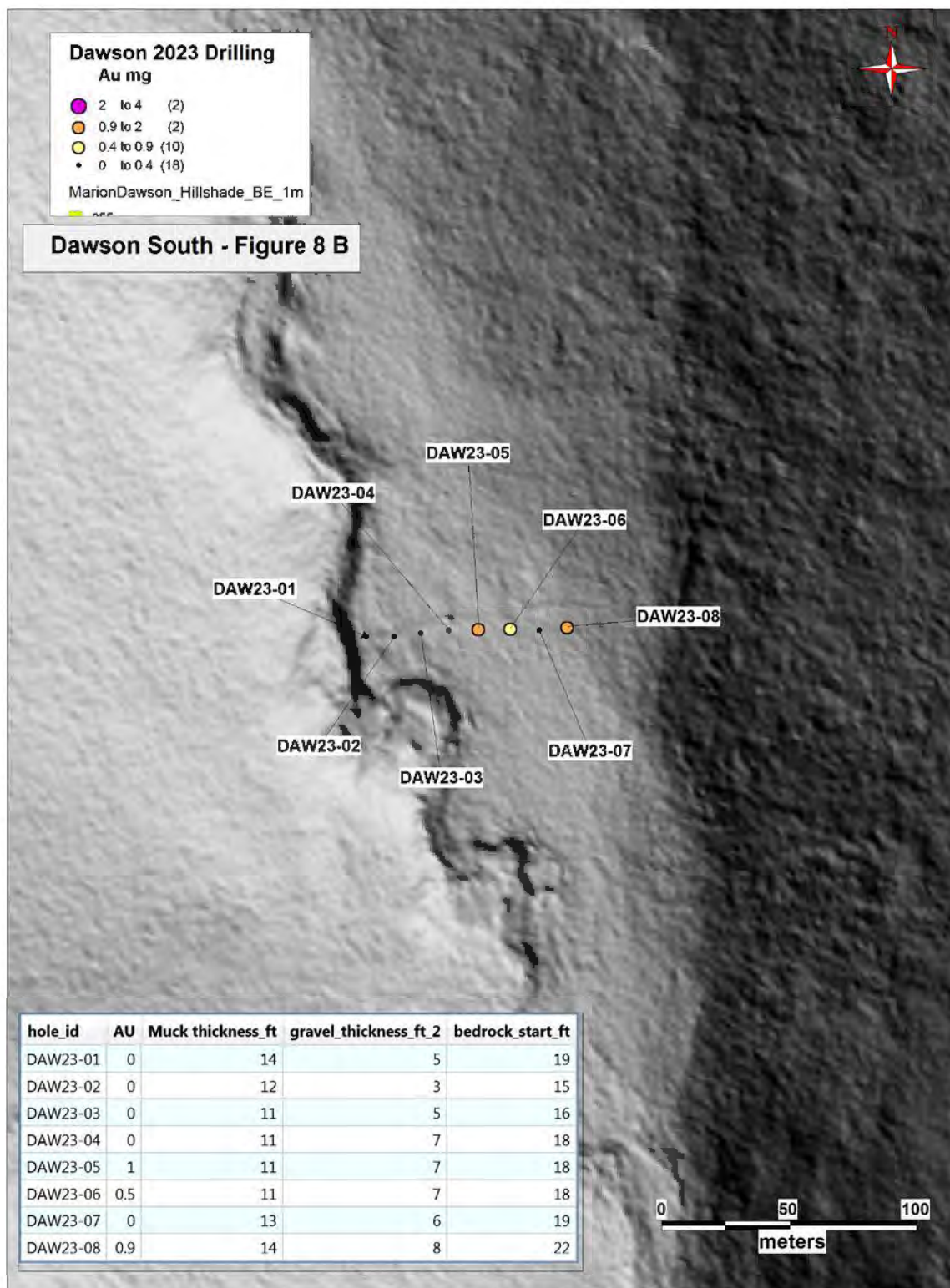




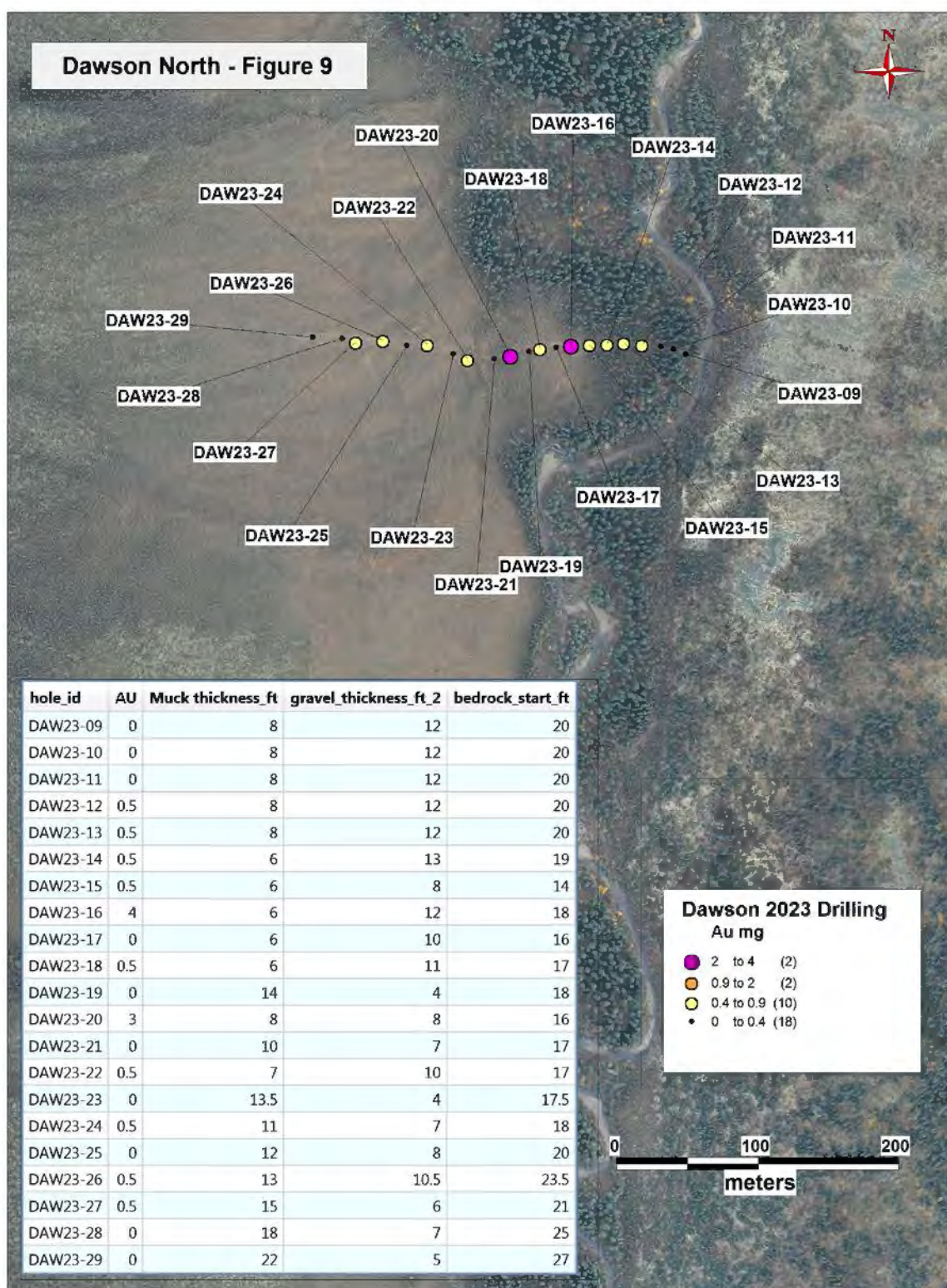




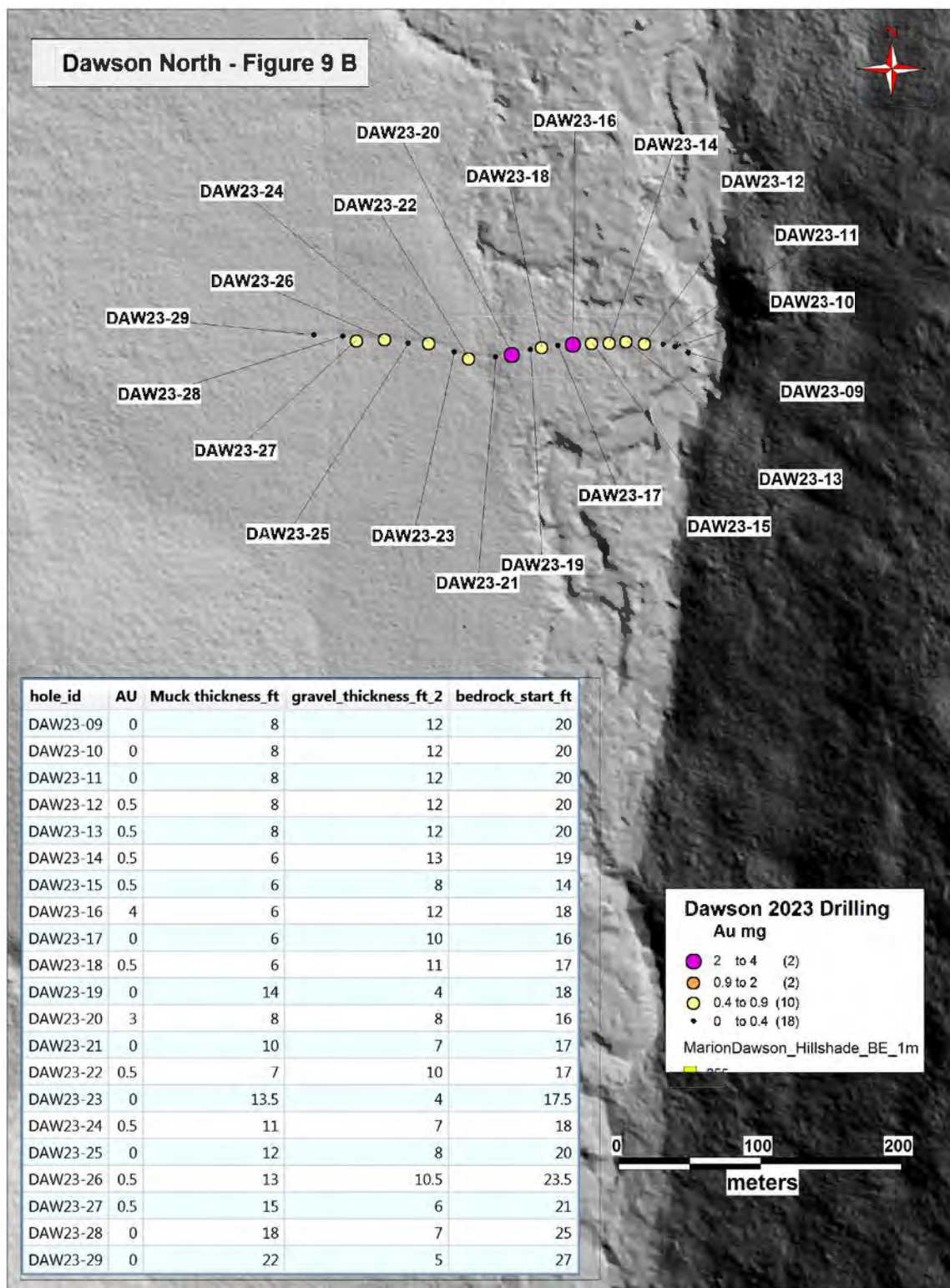




Dawson North - Figure 9



Dawson North - Figure 9 B



8.0 RECOMMENDATION

I would recommend following up on the Marion Creek Discovery. The drill program outline a nice shallow (17-25 feet) high grade placer gold pay streak across both drill sections 2.6 km apart. I would propose a second helicopter drill program with 3 more lines. One line downstream by 1.7 km from the most northern line (close to the edge of the placer lease) . I would then recommend 2 more drill sections 2.5 km and 4. 5 km, upstream from the southern drill section. This would nicely cover the entire upper Marion Creek system.

9.0 REFERENCES CITED

LSI International 2022 Private Lidar survey Report conducted for Wildwood Exploration.

Marion Creek Surficial Map

10.0 Cost

Daily Wages and Camp Cost

RC Drill crew:	Wages	Food Camp cost
Driller: RC Polytech graduate	\$ 630.00	\$100.00
Helper 1: Fleming graduate	\$ 350.00	\$100.00
Helper 2: RC Polytech graduate	\$ 350.00	\$100.00
Sampler/ Field Supervisor:	\$ 300.00	\$100.00
Other crew:		
Pilot:		\$100.00
Cook/Medic level two	\$ 500.00	\$100.00

Dates Worked	Work performed	Crew	Wages	Camp Cost	Drill Gear	Flight Ticket Amount	WW Jet Fuel \$	Total per day	Man Days	Drill Footage ft
20-Jun	Helicopter drill move/ RC drilling	RC drill crew + Medic	\$2,130.00	\$600.00	\$1,500.00	\$13,209.00	\$3,223.20	\$20,662.20	5	25
21	Drilling	RC drill crew + Medic	\$2,130.00	\$600.00	\$1,500.00	\$1,071.63	\$466.00	\$5,767.63	5	187.5
22	Drilling	RC drill crew + Medic	\$2,130.00	\$600.00	\$1,500.00	\$5,712.00	\$1,244.16	\$11,186.16	5	90
23	Helicopter drill move/ RC drilling	RC drill crew + Medic	\$2,130.00	\$600.00	\$1,500.00	\$6,604.50	\$1,438.56	\$12,273.06	5	90
24	Drilling	RC drill crew + Medic	\$2,130.00	\$600.00	\$1,500.00	\$2,320.50	\$530.40	\$7,080.90	5	172.5
25	Drilling	RC drill crew + Medic	\$2,130.00	\$600.00	\$1,500.00	\$6,426.00	\$1,468.80	\$12,124.80	5	140
26	Drilling	RC drill crew + Medic	\$2,130.00	\$600.00	\$1,500.00	\$2,499.00	\$544.32	\$7,273.32	5	187.5
27	Drilling	RC drill crew + Medic	\$2,130.00	\$600.00	\$1,500.00	\$2,677.50	\$637.50	\$7,545.00	5	180
28th	Helicopter drill move/ RC drilling	RC drill crew + Medic	\$2,130.00	\$600.00	\$1,500.00	\$10,353.00	\$2,465.00	\$17,048.00	5	0
9 Days			\$19,170.00	\$5,400.00	\$13,500.00	\$50,873.13	\$12,017.94	\$100,961.07	45	1072.5

The Total project cost came in just a touch over \$100,000 or \$94.00 per foot.

11.0 Qualifications

I Shawn Ryan located in Dawson City, Yukon work as a professional prospector. I run a small exploration called Wildwood Exploration located in Dawson City.

I have worked in the exploration business for 43 years. I have been prospecting in the Yukon for the last 34 years. Most of that time has been for hard rock deposits. I started researching and looking for placer deposit over the last 10 years.

I compiled and interpreted the Marion Dawson 2023 drill data, wrote the report and created all the figures.

Dated this 28 of January 2024 in Whitehorse, Yukon.

Respectfully submitted

Shawn Ryan