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GroundTruth Exploration

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LiDAR REPORT
on the
Wildwood Exploration Inc.
Placer Prospecting Leases

Yukon Territory

Excelsior Creek:

Lease No.: IW00583, IW00584, IW00585

Owner: Wildwood Exploration Inc. 100%

NTS # 115J/15

Latitude: 62.83962° N Longitude: 138.97481° W

Whitehorse Mining District

WORK PERFORMED: October 7, 2018
DATE OF REPORT: October 25, 2018
Author of Report: Isaac Fage

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Summary

High Resolution LiDAR surveys were conducted on the Excelsior Creek placer lease (IW00583, IW00584, IW00585). The leases are located 137km South of Dawson on Excelsior Creek, which flows directly into the Yukon River (Figure 1).

The surveys were conducted by LiDAR Services International (LSI). of Dawson YT on October 7, 2018. The property was accessed by a Bell 206 helicopter based in Dawson, YT. Two lines (in and out) were flown on the creek using LSI's Matrix package, comprised of an ISA-100C Inertial Measurement Unit (IMU), a Riegl VQ-480i LiDAR unit scanning at 400kHz for 20 points per square metre across a swath ~320m across at a time, and a high-resolution digital camera taking aerial photography during the sweep.

The survey was successful in finding features such as previous flow channels, benches, and oxbows – all useful targets for future exploration work.

1.0 Location and Access

The prospecting lease is located 137km SSE of Dawson City within the Yukon river drainage system in west-central Yukon Territory. The Wildwood leases on the creeks merge together at 62.83962° N 138.97481° W, on NTS mapsheet 115J/15 (Figure 1). It is accessible in winter on the Yukon river via snowmobile, and accessible by helicopter year round. Barges from Pelly Crossing, 130km east of the lease, pass by Excelsior Creek on their way to the Coffee project landing 7km to the west.

2.0 Property

Placer Prospecting lease Tenure:

IW00583, 3 miles, Wildwood Exploration Inc. 100%, expiry Nov 18/18
IW00584, 3 miles, Wildwood Exploration Inc. 100%, expiry Nov 18/18
IW00585, 5 miles, Wildwood Exploration Inc. 100%, expiry Nov 18/18

See Figure 2 for locations

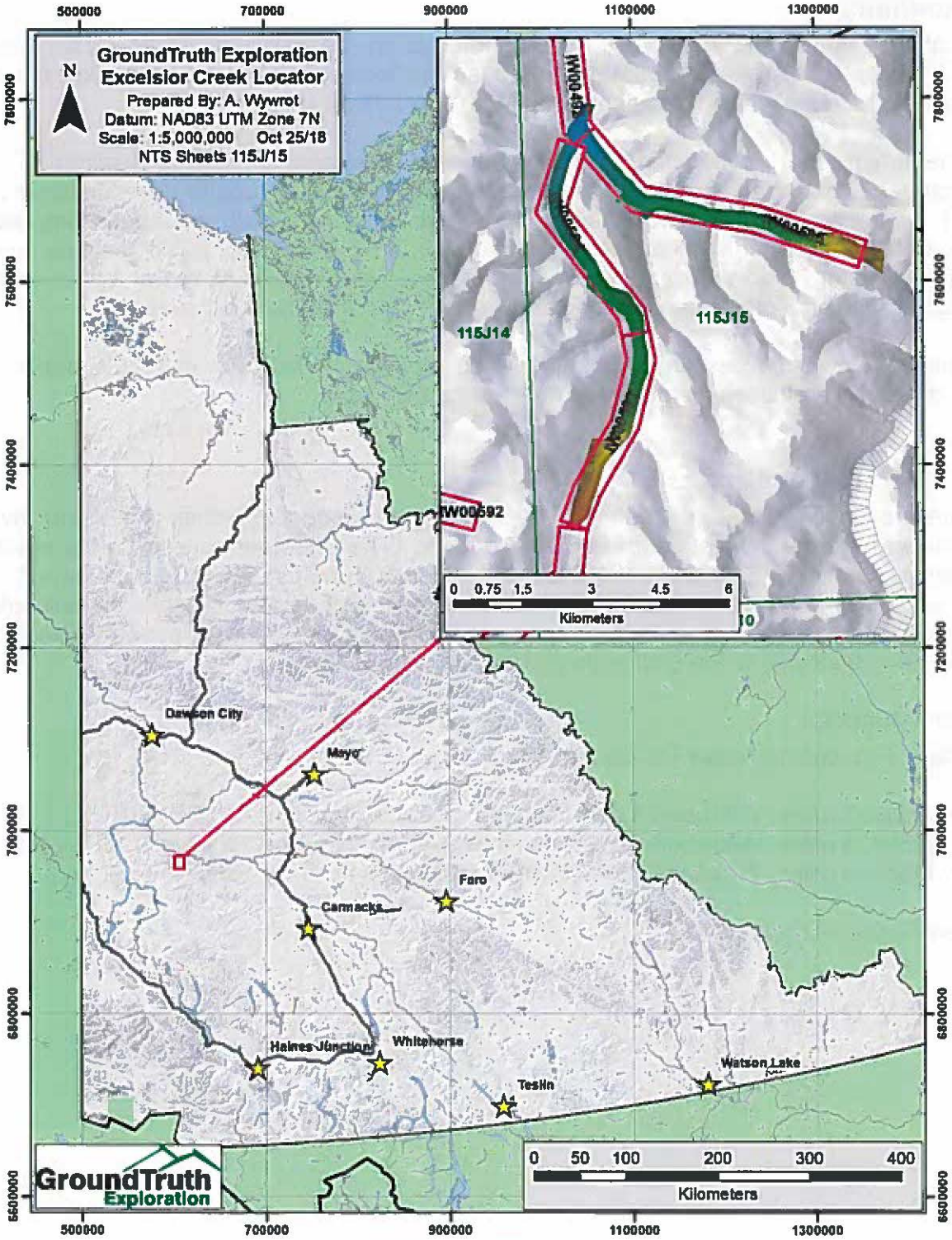

Figure 1: IW00583 - 585 Lease Locations and NTS Mapsheets

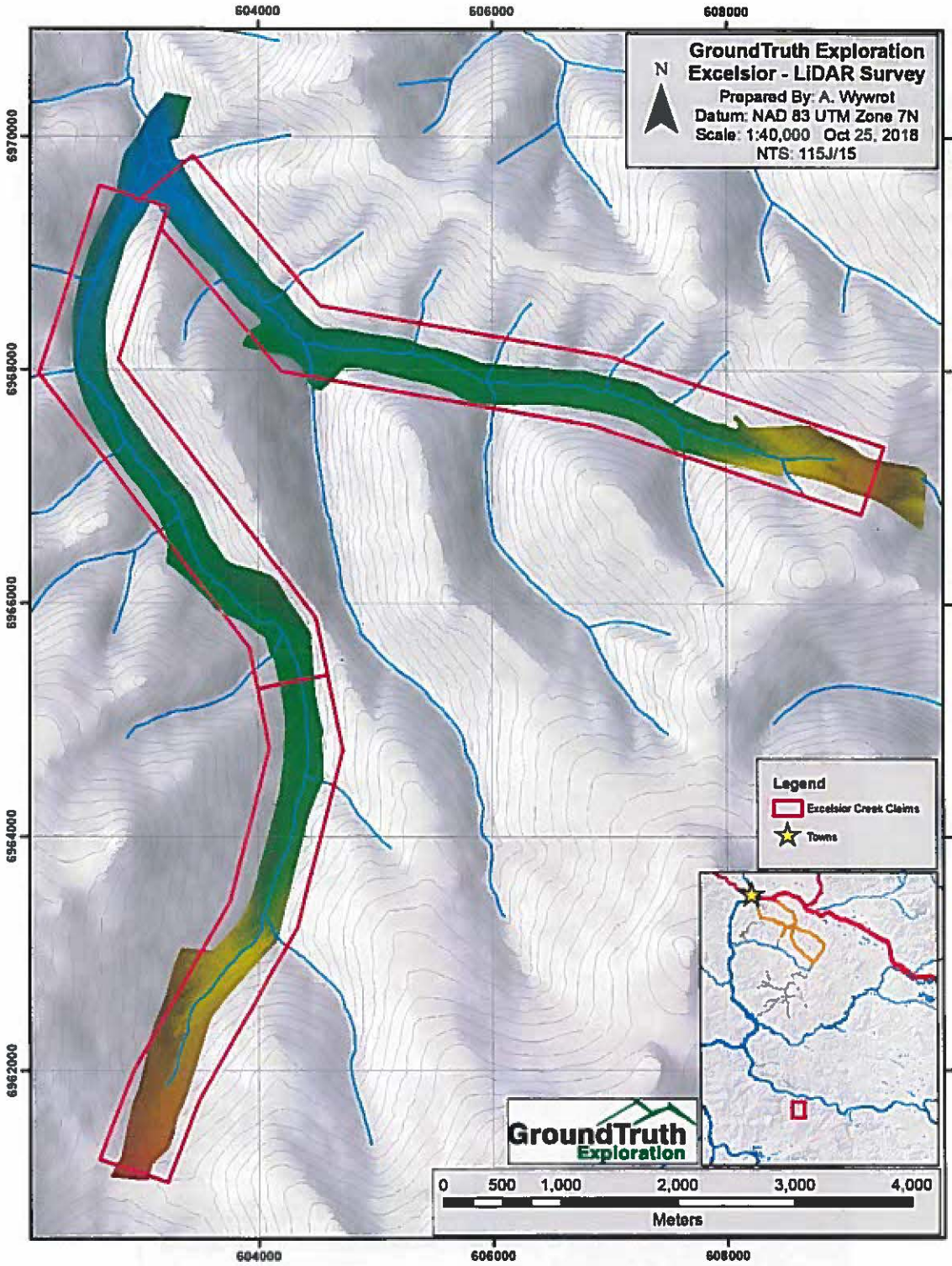

Figure 2: Further detail of leases and LiDAR Survey

3.0 Physiology and Geology

The Lease is underlain by three main geological units. At the farthest southern point, the creek's source consists of the Coffee Creek Phase of the Dawson Range batholith (mKqW), which is composed of Cretaceous-aged biotite-bearing monzogranites. Further north, the creek is underlain by Sulphur Creek suite metamorphic rocks (PqS), consisting of Permian augen gneisses and metporphyries. At the very north end, the Devonian-aged Snowcap Assemblage (PDS1) consists of metasediments such as quartzite, schists, and marbles.

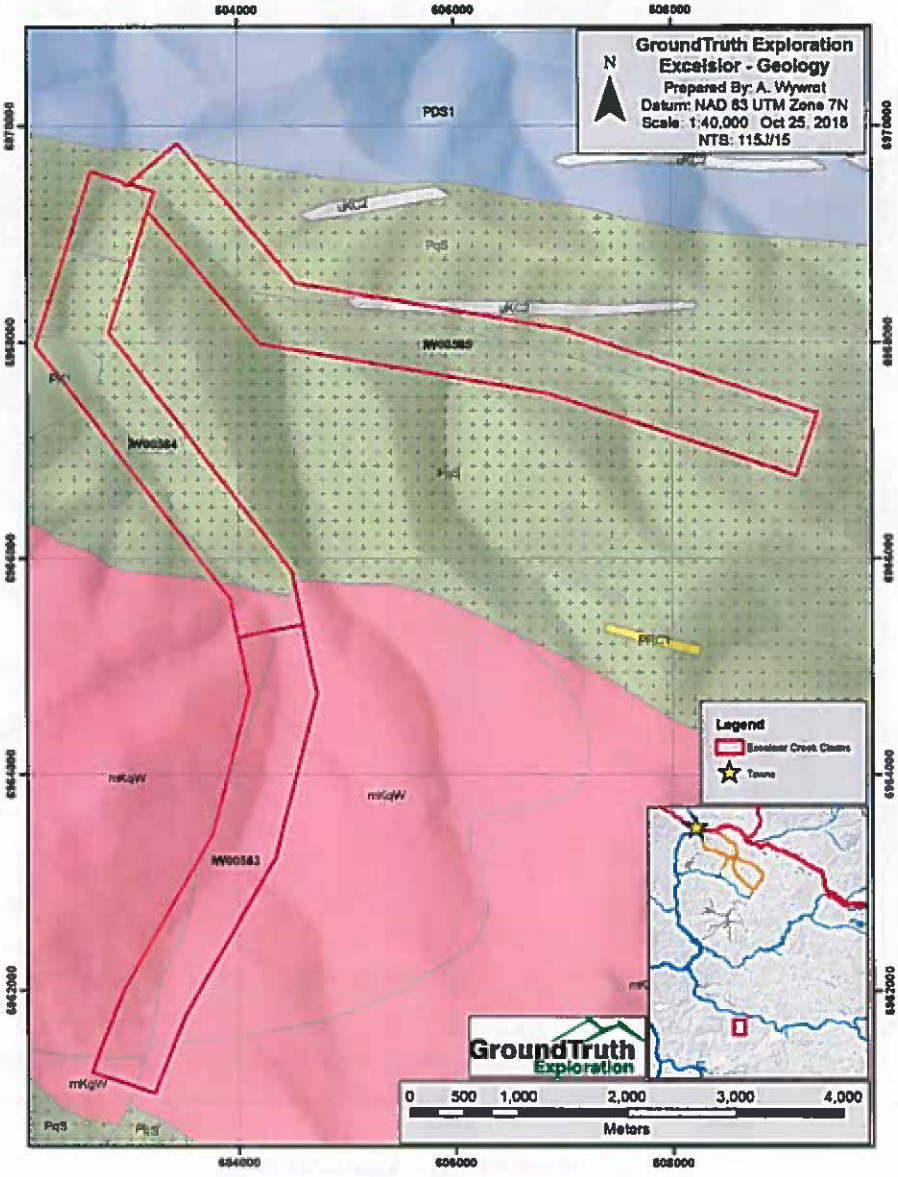

Figure 3: Bedrock Geology of Excelsior Creek

4.0 Airborne LiDAR Survey

Lidar Services International (LSI) of Calgary, Alberta conducted the airborne LiDAR survey on the Excelsior Creek Leases for Wildwood Exploration on Oct 7/18. The LiDAR unit was mounted on Transnorth Helicopter's Bell 206 helicopter, registry TNY. The helicopter was flown from Dawson to Casino Airstrip, where an active GPS station was set up, before flying to the creek to complete the aerial survey.

The survey was completed using LSI's Matrix sensor package, comprised of an ISA-100C Inertial Measurement Unit (IMU), a Riegl VQ-480i LiDAR unit scanning at 400kHz for 20 points per square metre across a swath ~320m across at a time, and a high-resolution digital camera taking photographs of the area as it flew. The instrument is placed on the side of the helicopter and taking up the main cargo bay in the helicopter, while processing computers, monitors, and in-flight GPS equipment is placed at various points throughout the aircraft (see figures for details)

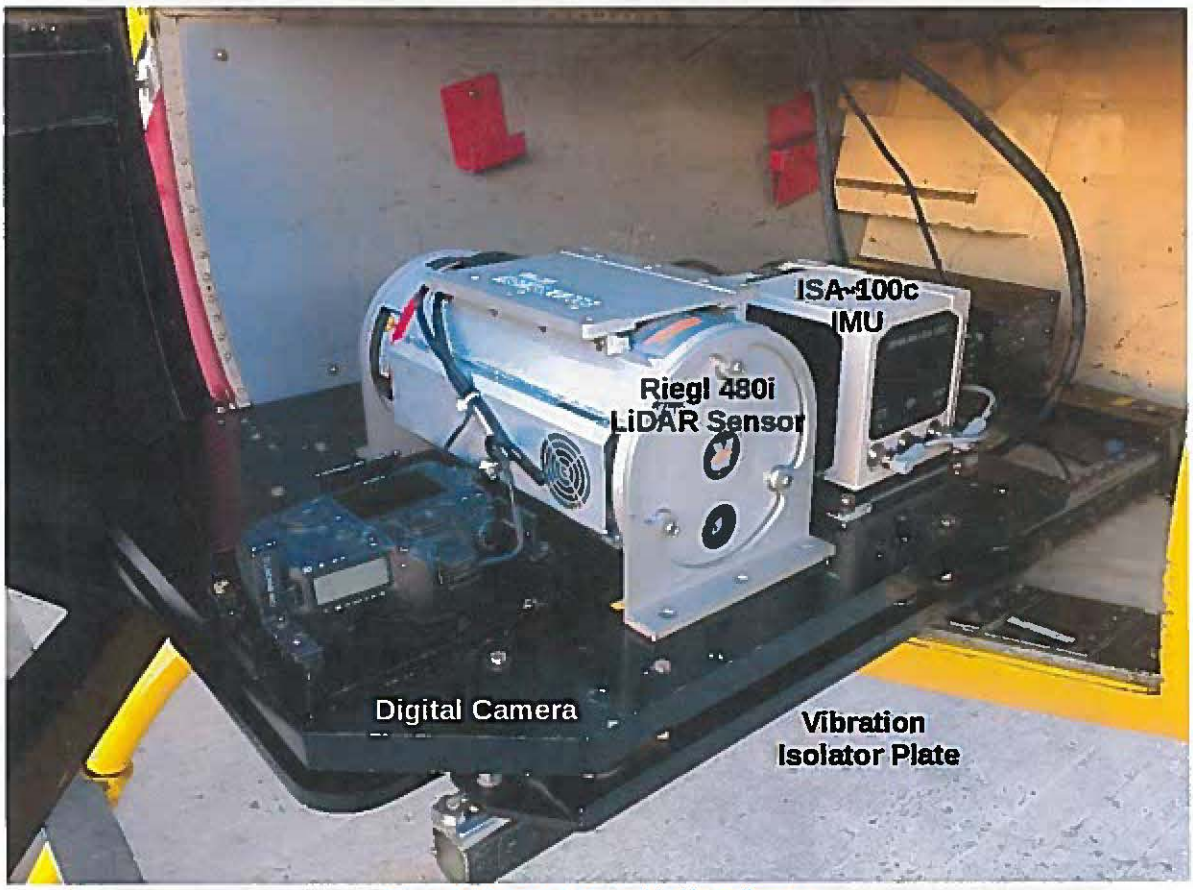

Figure 4: LiDAR Unit Assembled in Helicopter

Figure 5: GPS Unit on Helicopter Tail

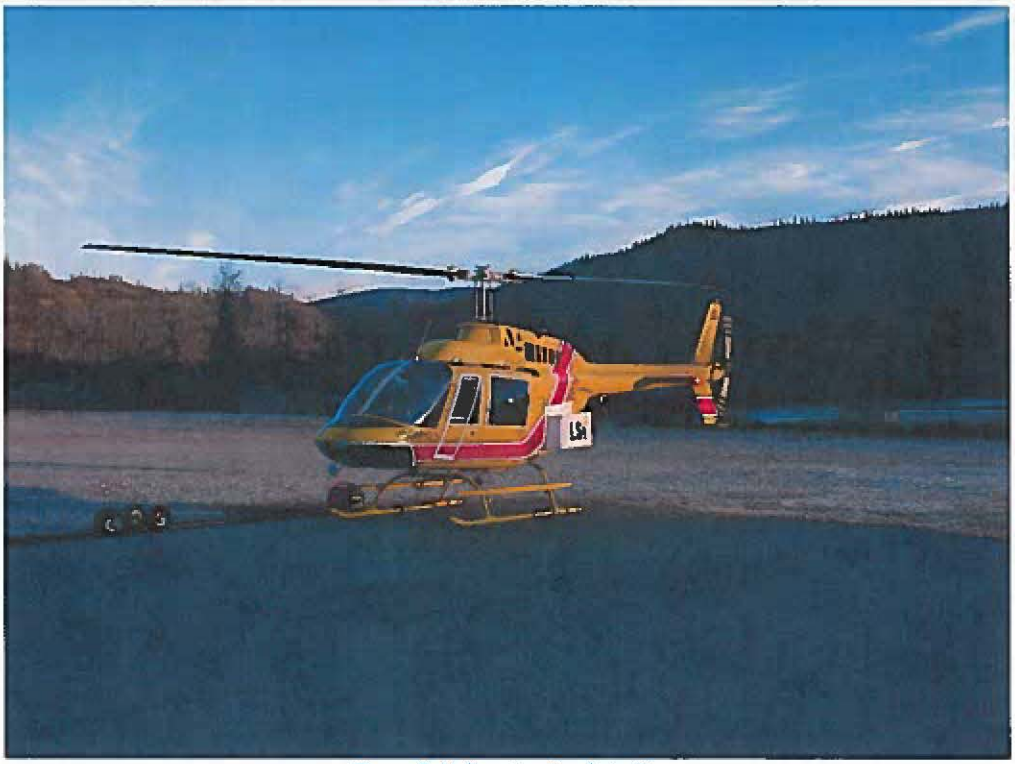

Figure 6: Helicopter Ready to Fly

LiDAR Survey Operating Procedures:

- A crew of 2 (Pilot and LiDAR Operator) fly out in the helicopter
- An RTK GPS base station is deployed near the survey area at a resupply point
- Helicopter flies to survey area
- LiDAR Operator designates flight lines to Pilot to fly as sensor collects data
- LiDAR Operator monitors incoming data, ensures collection quality
- LiDAR Operator directs pilot to refly areas as necessary
- Helicopter lands, data is exported off the computers
- LiDAR Processing staff run classification programs on incoming data
- Intermediate data products produced for review
- Data is manually checked over to ensure accuracy
- Final data products produced, certified for accuracy, and delivered to client

Data Processing:

The collected data is downloaded from the helicopter-mounted computers to processing units in the form of LAS 1.2 Point Clouds. The processing staff use Bentley Microstation CAD and Terrasolid LiDAR processing software, creating scripts to automatically classify the points as ground, vegetation, error, etc. Following the automated process, the same software is used for manual editing of any erroneous points. The GPS station data is integrated to ensure the LiDAR represents an accurate surface on the earth. Finally, requested data products such as topo models and orthophotos are delivered to the client.

5.0 Survey Results - Excelsior LiDAR Survey

The results of the survey are currently in processing, and are not expected to be released for six weeks after survey. Intermediate data products have been provided, but the following figures may change due to editing of the point cloud by LSI as they create final products.

Survey Results:

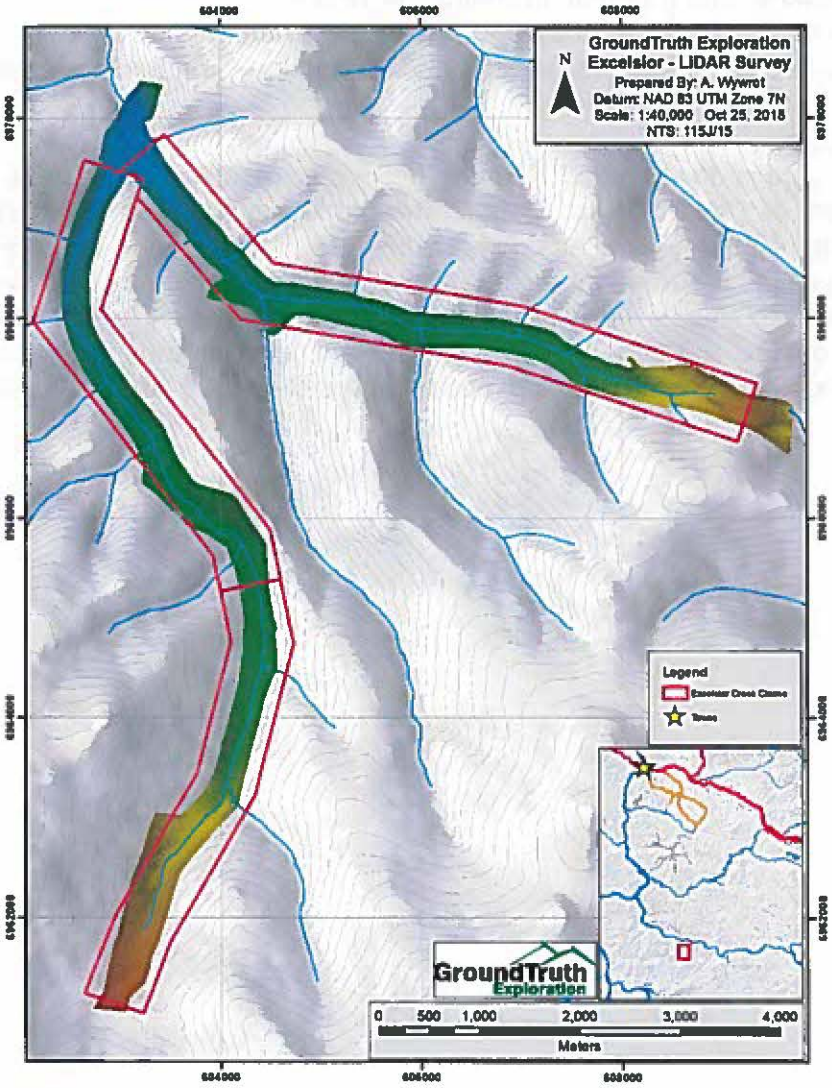

Figure 7
The LiDAR survey was successfully completed in full, evaluating the entirety of the lease area.

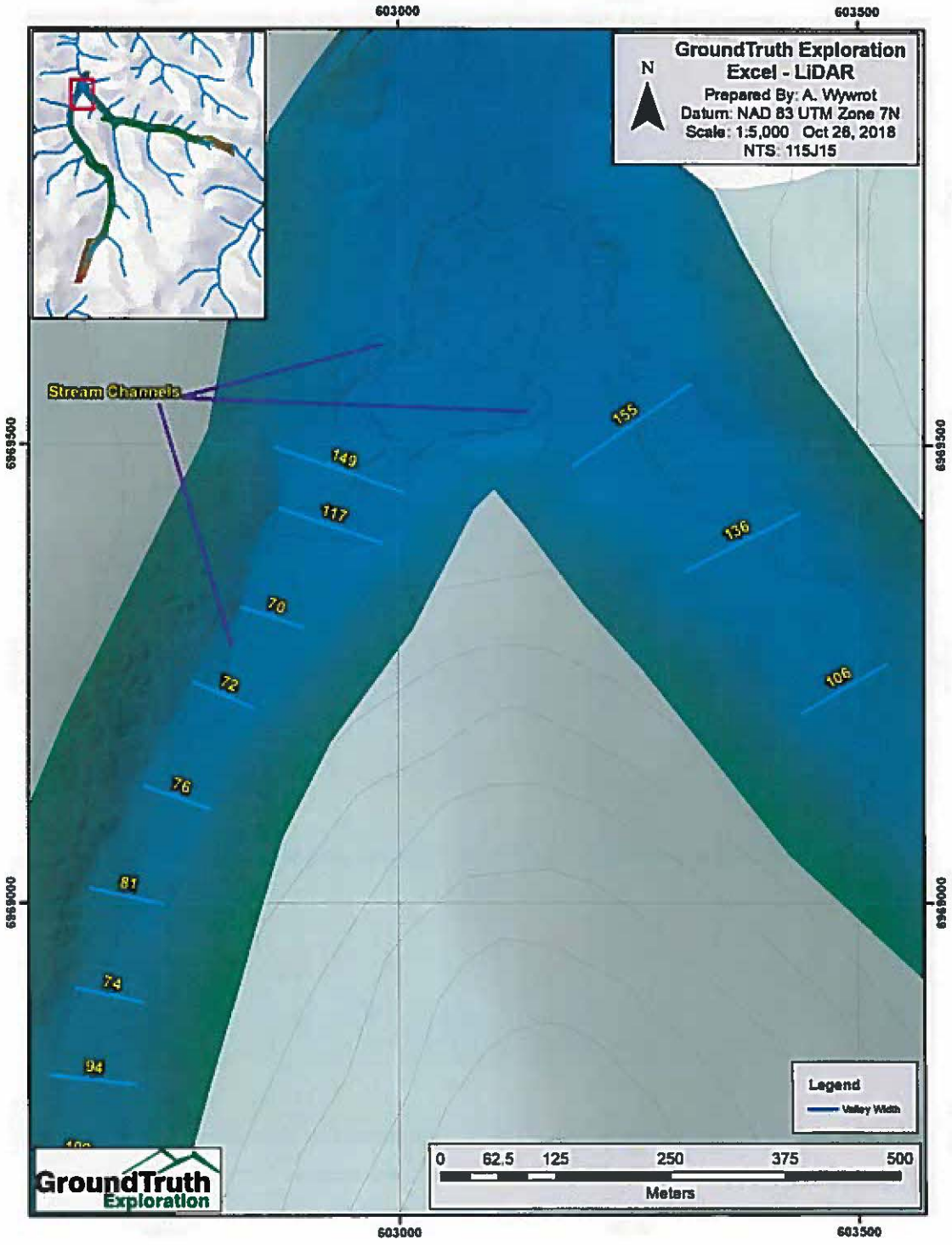

Figure 8
The LiDAR shows the intricate network of channels produced as the two parts of Excelsior Creek merge into one

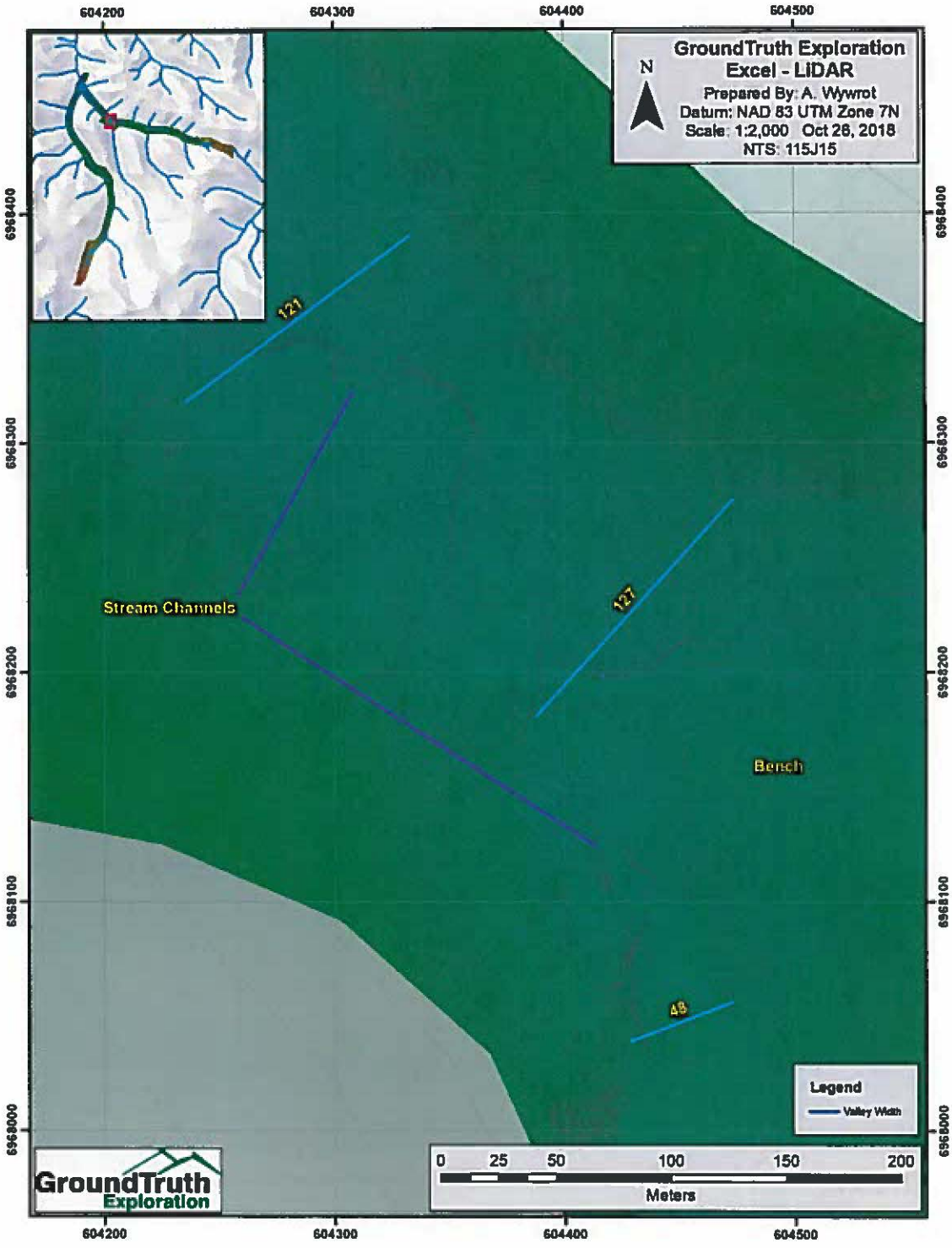

Figure 9
A view of an eastern fork tributary, where a bench forms between two streams

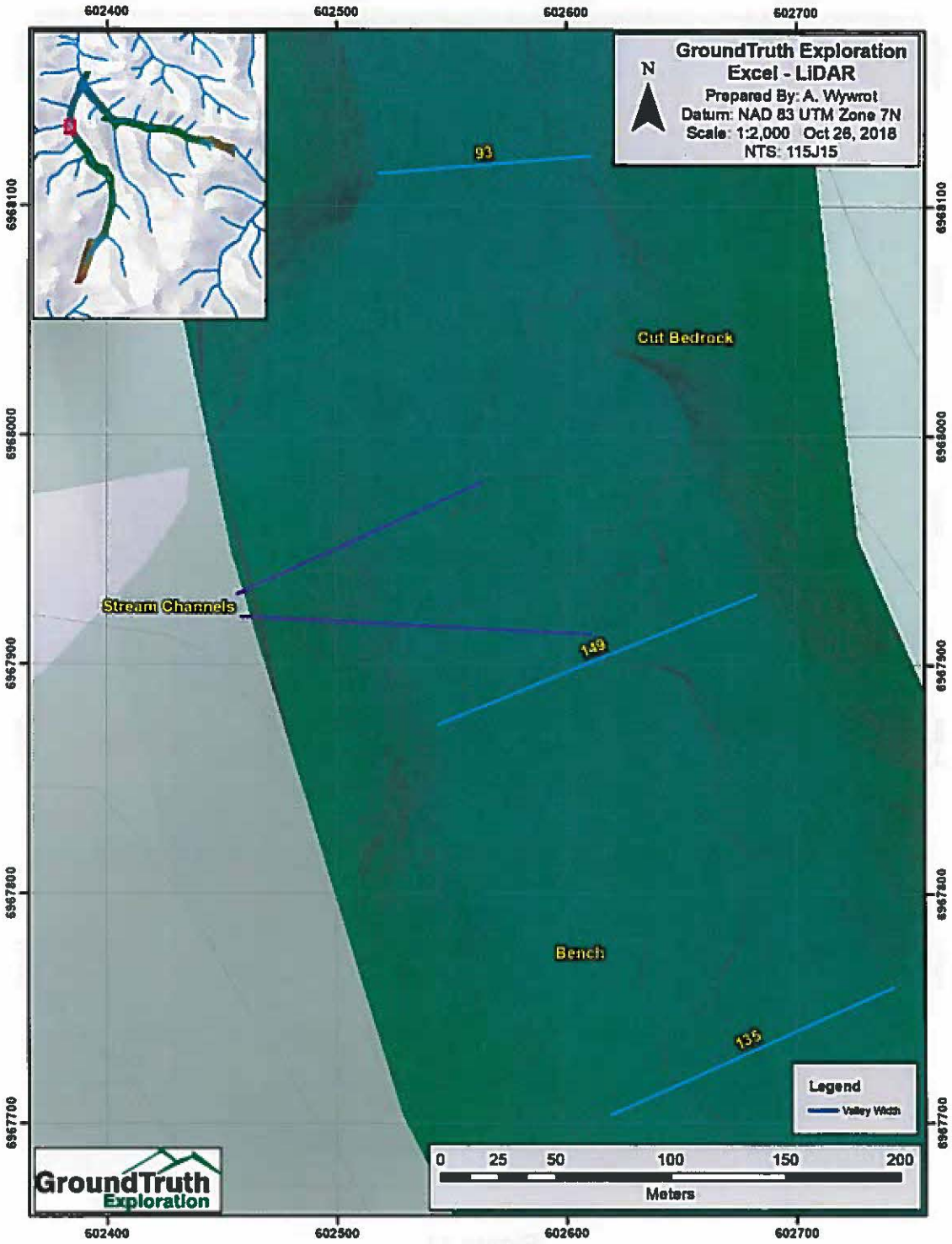

Figure 10
A view of the western fork, where the main channel of the creek cuts into the eastern bedrock

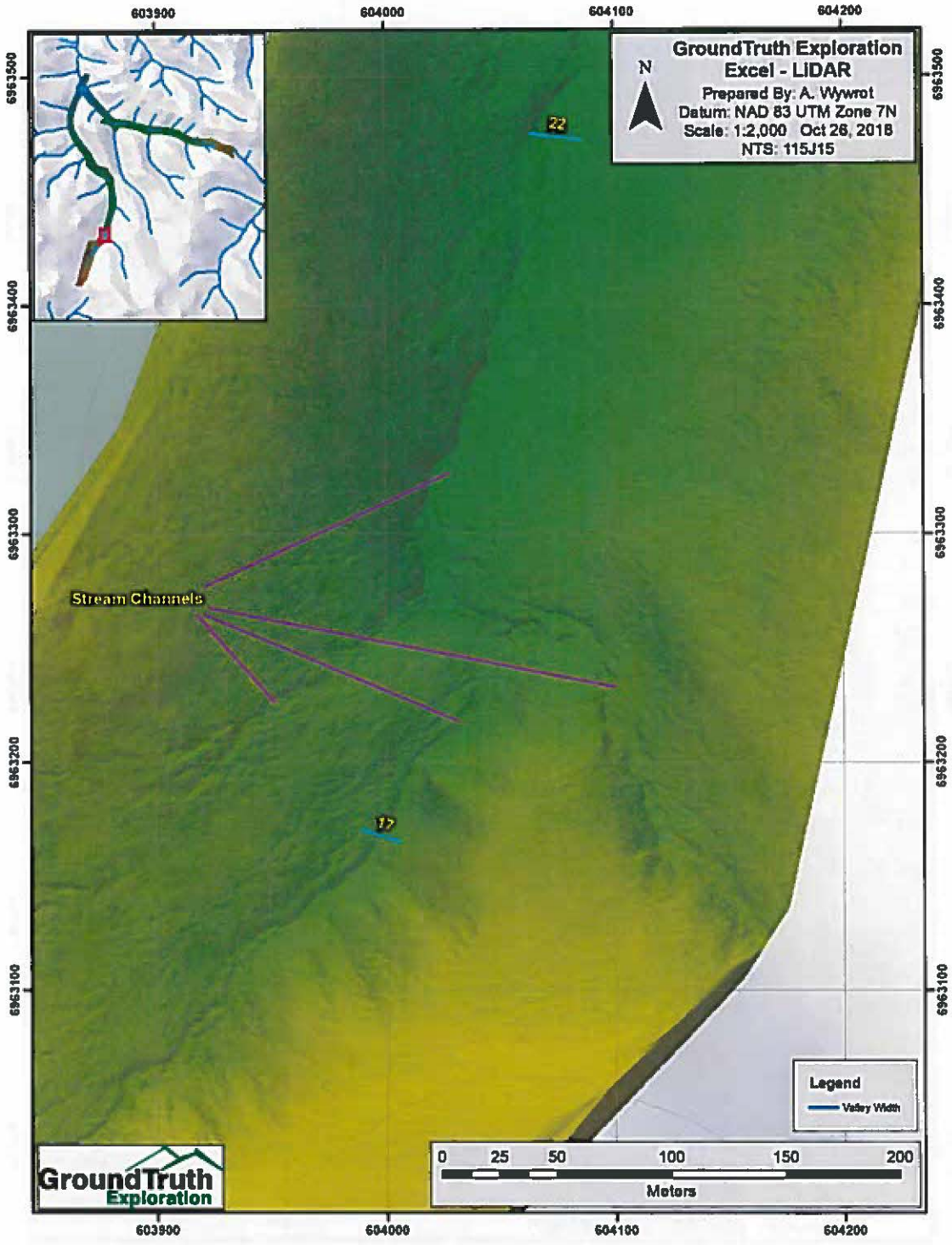

Figure 11
At the source of the western fork, an interesting viewof the smaller streams coming together to form the creek's main flow

6.0 Conclusion/ Recommendations

The LiDAR Surveying on the Excelsior leases produced an extremely high resolution 'bare earth' detailed topography model, and will create excellent supplementary products such as orthophotos and surficial models once processing is complete. These products are very useful in identifying benches, stream channels, and other valley features. Knowing the location of these features will aid the planning of geophysical surveys, drilling locations, and eventually placer mining operations.

7.0 Statement of Expenditures

Contractor: GroundTruth Exploration Inc.

Placer Lease Surveyed: IW00583, IW00584, IW00585

IW00583
Airborne LiDAR Survey

Survey Date: Oct 7/18

Overview: Airborne LiDAR survey over whole length of 1 x 5, 2x3 mile leases

Chargeout Rate of $500/linear km all inclusive

KM	Rate	Total
5	$500	$2,500

Hours	Rate	Total
8	$75	$600

Interpretation and Reporting at $75/h

	Total Expenditures on Lease:	$3,100

IW00584
Airborne LiDAR Survey

Survey Date: Oct 7/18

Overview: Airborne LiDAR survey over whole length of 1 x 5, 2x3 mile leases

Chargeout Rate of $500/linear km all inclusive

KM	Rate	Total
5	$500	$2,500

Hours	Rate	Total
8	$75	$600

Interpretation and Reporting at $75/h

	Total Expenditures on Lease:	$3,100

IW00585
Airborne LiDAR Survey

Survey Date: Oct 7/18

Overview: Airborne LiDAR survey over whole length of 1 x 5, 2x3 mile leases

Chargeout Rate of $500/linear km all inclusive

KM	Rate	Total
8	$500	$4,000

Hours	Rate	Total
16	$75	$1,200

Interpretation and Reporting at $75/h

	Total Expenditures on Lease:	$5,200

8.0 Statement of Qualifications

I, Isaac Fage of Dawson, Yukon Territory certify that I hold an Advanced Diploma in GIS/Remote Sensing from the Centre of Geographic Sciences (COGS). I am Operations Manager and President of GroundTruth Exploration Inc. I have been working in the mineral exploration industry continuously since 2004.

Isaac Fage
Oct 26, 2018