

094230

2000 GEOLOGICAL GEOCHEMICAL and TRENCHING

REPORT ON THE WHITE PROPERTY

(White 1 – 83: YC12858 - YC12942)

NTS: 1150/3,4

Latitude: 63°11'N

Longitude: 139°33'W

Dawson Mining Division

Work performed between July 10 and August 25, 2000

**Owner:** Teck Corporation,  
600 - 200 Burrard Street,  
Vancouver, B.C.  
V6C 3L9

**Operator:** Teck Exploration Ltd.  
P.O Box 938, Main Station  
Kamloops, B.C.  
V2C 6H1



Jean Pautler  
March, 2001

This report has been examined by  
the Geological Evaluation Unit  
under Section 53 (4) Yukon Quartz  
Mining Act and is allowed as  
reimbursement work in the amount  
of \$ 16,600

*M. B. H.*  
for Regional Director of Exploration and  
Geological Survey, Commissioner  
of Yukon Territory.

**SUMMARY:**

The White property, located 95 km south of Dawson City, Y.T., was staked by Teck in December of 1998 and is now comprised of 83 claims (1660 ha).

Extensive windfall and very limited exposure characterize the White property, which is underlain by upper Proterozoic to lower Cambrian Nisling Group metamorphic rocks, the Devono-Mississippian Mink Creek Plutonic/metamorphic Complex and an early Tertiary to late Cretaceous plutonic quartz-feldspar porphyry to felsite.

The White property covers the newly discovered (1998) epithermal style Teacher Showing on the shore of the Yukon River with values up to 5.8 g/t Au and quartz vein float with values up to 6.5 g/t Au, 26.5 g/t Ag along Minneapolis Creek. Despite poor soil quality a small soil grid, completed over the Teacher Showing in 1999, outlined a gold/arsenic anomaly continuing southeast along trend from the showing with values up to 365 ppb Au, 630 ppm As and 155 ppm Sb.

Trenching of the above-mentioned soil anomaly, 100m southeast of the Teacher Showing, returned significant values up to 12.15 g/t Au, 13.0 g/t Ag, >10,000 ppm As and 275 ppm Sb from brecciated and silicified metasedimentary talus boulders. The source of the boulders appears to be up-slope and slightly southwest of the southeasterly trend for the Teacher Zone. The mineralization and soil anomalies on the grid all appear to be associated with the contact zones between the granite porphyry dykes, which likely belong to the Tertiary to Cretaceous Plutonic Suite, and the Nisling Group metasedimentary rocks.

A reconnaissance soil line above the quartz float, containing 6.5 g/t Au and 26.5 g/t Ag, along Minneapolis Creek, returned up to 75 ppb Au, 1445 ppm As, 20 ppm Sb, 135 ppm Cu and 391 ppm Zn. Reconnaissance soil lines further upstream (above a 60 ppb Au stream sediment anomaly) returned 45 ppb Au, with 205 ppm As, 112 ppm Zn and 131 ppm Cu, proximal to a body of feldspar porphyry. The gold, chalcopyrite and galena/sphalerite bearing veins may continue through this area.

A \$50,000 program of hand/blast trenching and grid and detailed contour soil sampling is recommended for 2001. The Teacher Showing should be explored by hand/blast trenching up-slope of the silicified metasedimentary breccia, containing 12.15 g/t Au at Trench 00-1. Trenching of additional gold and base metal soil anomalies from the Teacher Grid should also be undertaken. The soil grid should be extended to the south and up-slope to the southeast. Additional and more detailed soil sampling is required to pinpoint the source of the gold bearing quartz float, (containing 6.5 g/t Au and 26.5 g/t Ag, along Minneapolis Creek) and to explore significant gold/arsenic/base metal soil anomalies upstream of a 60 ppb Au stream sediment anomaly in upper Minneapolis Creek.

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## 1.0 LOCATION AND ACCESS (Figure 1)

The White property, NTS map sheet 115O/3,4 is located 95 km south of Dawson City, Y.T. and lies in the Dawson Mining Division. It is situated on the western flank of Mt. Stewart, at the confluence of the White and Yukon Rivers. Latitude and longitude of the property are 63°11'N, 139°33'W. Access is by helicopter from Dawson City.

## 2.0 LEGAL DESCRIPTION (Figure 2)

The White Claim Group now consists of 83 contiguous claims covering an area of approximately 1660 hectares. The property is owned by Teck Corporation, Vancouver, B.C. and Teck Exploration Ltd., of Kamloops, B.C., was the operator. A table showing pertinent claim data follows:

<b>Claim Name</b>	<b>Record No.</b>	<b>Expiry Date</b>	<b>Years to be Applied</b>	<b>New Expiry Date</b>
White 1 – 83	YC12858 – 12940	Dec. 22, 2000	2	Dec.22, 2002*

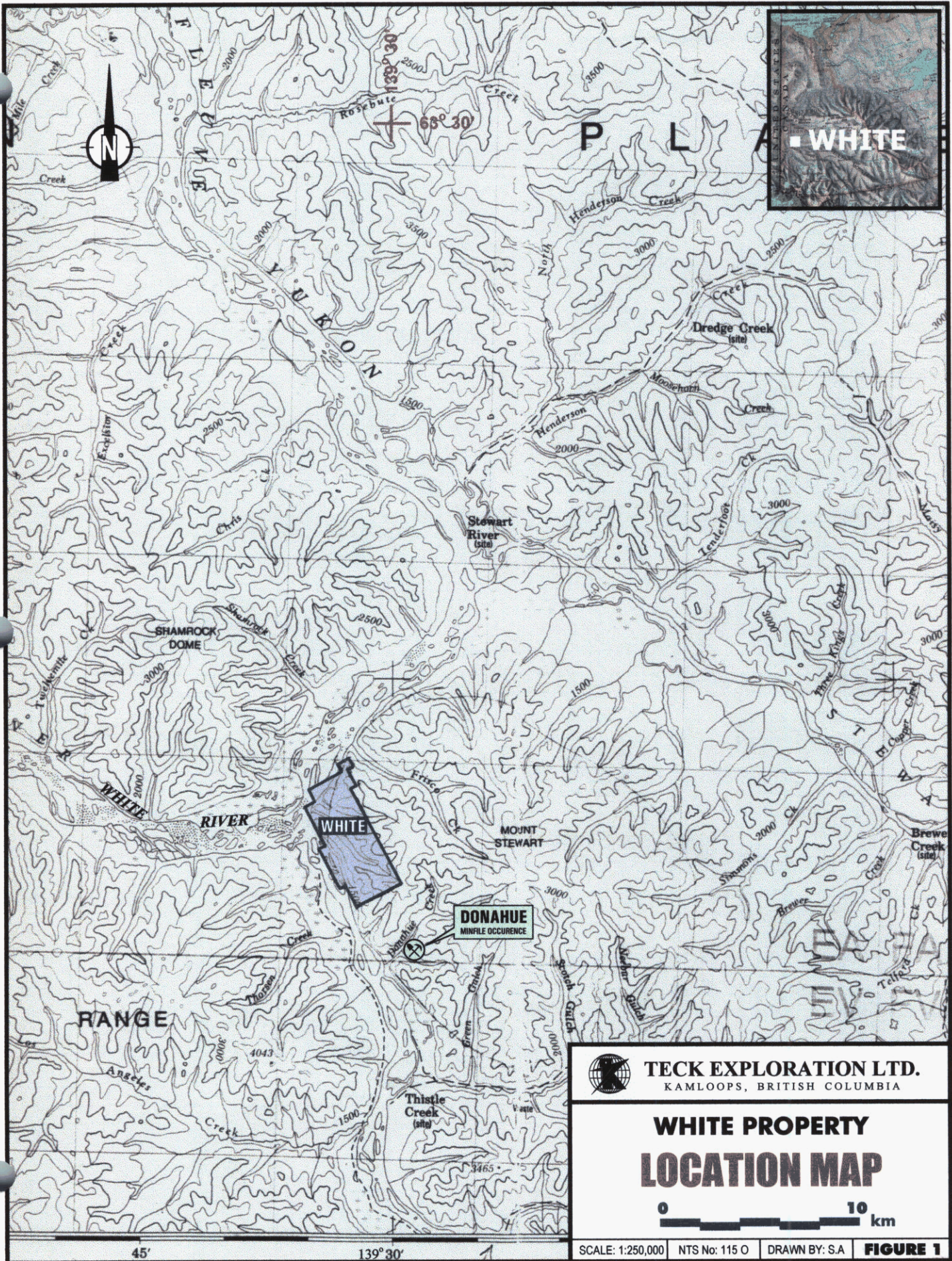
\* Note: New expiry date based on acceptance of this report.

## 3.0 PHYSIOGRAPHY

The claims cover an area of tree covered hills in the Yukon Plateau. Exposure is extremely poor but does exist along some of the slopes as talus boulders and as cliffs along the banks of the Yukon River. Elevations on the property range from 1100' (335m) to 2500' (762m). Vegetation includes trees, bramblebush and moss. Most of the property was burned several times more than ten years ago, leaving significant deadfall and windfall.

## 4.0 HISTORY (Figure 4)

Teck staked the White property in December of 1998, based on the discovery of the epithermal style Teacher Showing on the shore of the Yukon River with values up to 5.8 g/t Au and quartz vein float with values up to 6.5 g/t Au, 26.5 g/t Ag along Minneapolis Creek. Despite poor soil quality, a small soil grid, completed over the Teacher Showing in 1999, outlined a gold/arsenic anomaly continuing southeast along trend from the showing

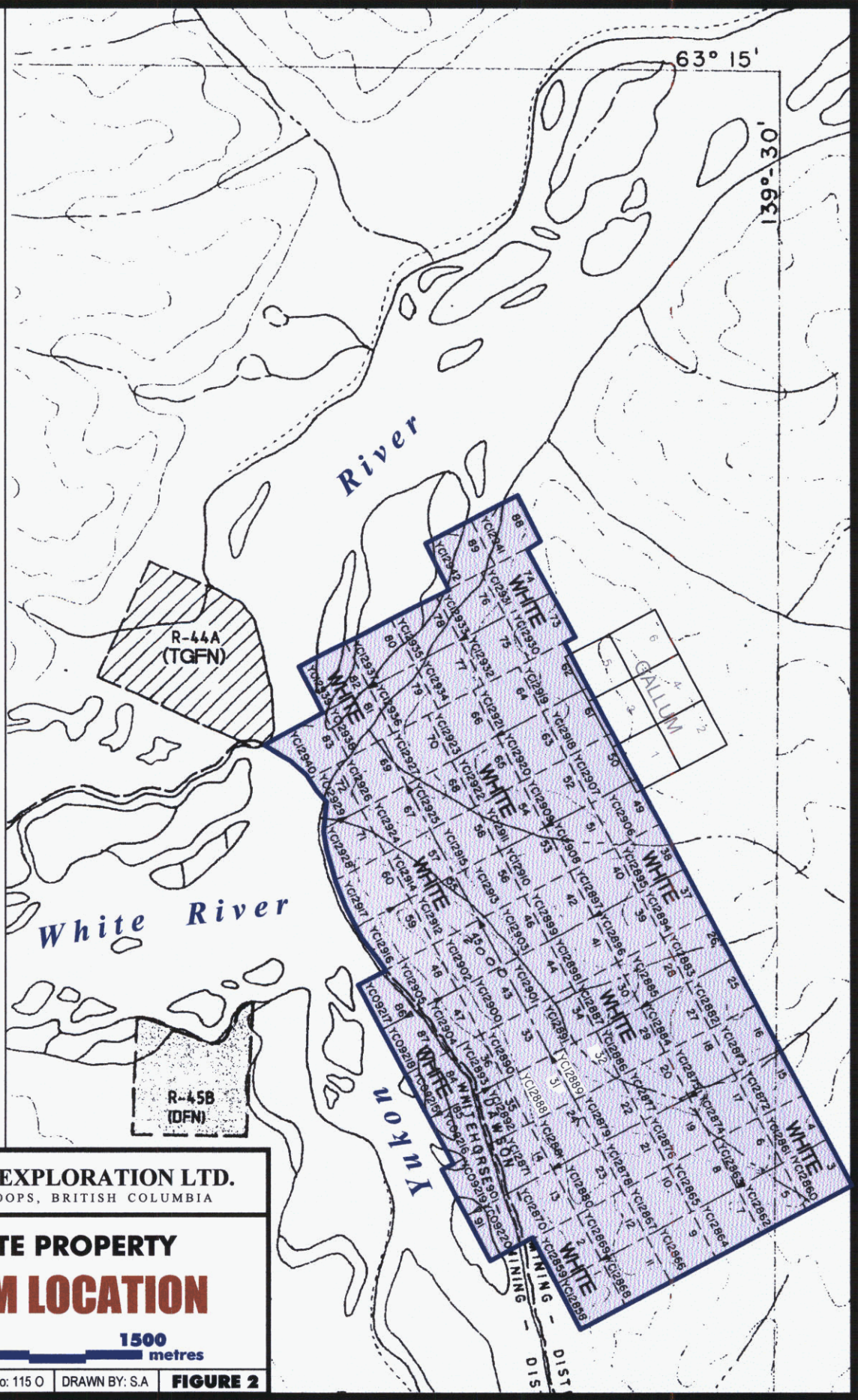


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KAMLOOPS, BRITISH COLUMBIA

**WHITE PROPERTY  
LOCATION MAP**

0 10 km

SCALE: 1:250,000 NTS No: 115 O DRAWN BY: S.A **FIGURE 1**



**TECK EXPLORATION LTD.**  
KAMLOOPS, BRITISH COLUMBIA

# WHITE PROPERTY CLAIM LOCATION

0 1500 metres

SCALE: 1:50,000 NTS No: 115 O DRAWN BY: S.A **FIGURE 2**

with values up to 365 ppb Au, 630 ppm As and 155 ppm Sb. A second open-ended anomaly, carrying 95 ppb Au, 145 ppm As, was outlined at the southwest end of the grid.

Prior to this the property area had not been staked in recent history, although two old prospects are plotted on the claims. The Shamrock Prospect was probably staked on quartz veins near the turn of the century and later staked by Can Occidental Petroleum who explored with grid soil sampling and mapping in 1973. The Northern Lights Prospect was reportedly staked on the "rumour of rich gold quartz specimens" being found prior to 1887, "high above the river opposite the mouth of the White" (Yukon Minfile, 1996). The Donahue Prospect, reportedly 3.5 km south of the White on Donahue Creek (Figure 1), was explored with an adit, crosscut and shaft in 1901 based on the discovery of a quartz-sulfide zone, up to 4.6m wide, with free gold, silver and antimony values (Yukon Minfile, 1996).

## **5.0 2000 WORK**

A total of 12 man days were spent on the White property between July 10 and August 25, 2000. Work consisted of hand trenching of a 365 ppb Au, 630 ppm As and 155 ppm Sb soil anomaly on the Teacher Grid, the completion of four reconnaissance soil lines with concurrent prospecting and the extension of the Teacher Grid by an additional 0.9 line km with concurrent soil sampling. Control was provided by 1:50,000 based topographic maps, hipchain and compass. The Teacher Grid was mapped at a scale of 1:2500.

## **6.0 GEOLOGY**

### **6.1 Regional (Figure 3)**

The regional geology of the White property is represented on the Ogilvie (115 O) Map Sheet, Bostock, 1942. The area is predominantly underlain by metasedimentary schist, phyllite, slate, quartzite, marble and greenstone that belong to the upper Proterozoic to lower Cambrian Nisling Group. Other units in the Mount Stewart area include the Devono-Mississippian Mink Creek Plutonic/metamorphic Complex and an early Tertiary (possibly late Cretaceous) plutonic quartz-feldspar porphyry to felsite.

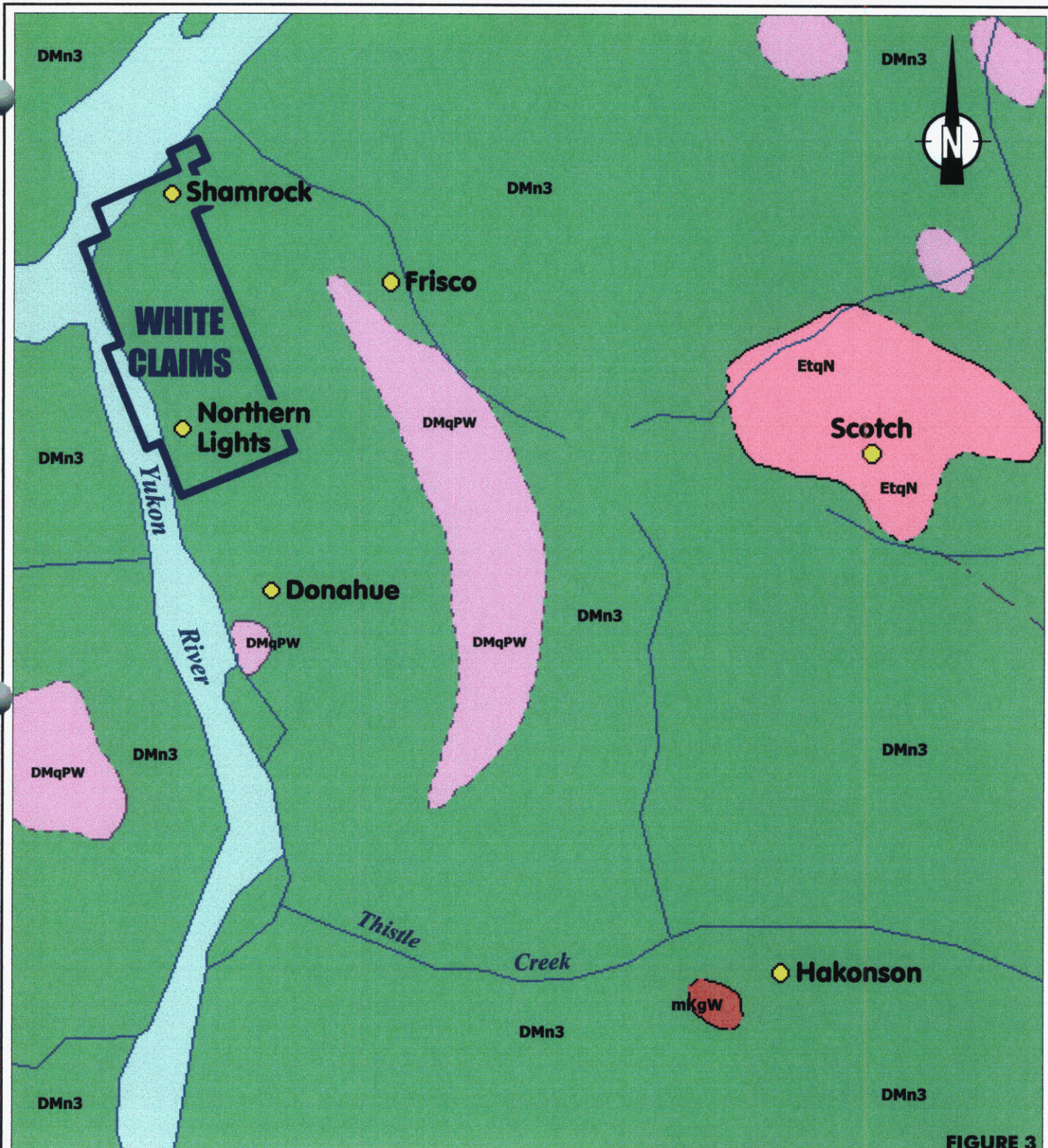


FIGURE 3

*Tertiary - Cretaceous*

**EtqN** feldspar porphyry to felsite

**mKgW** granite

*Paleozoic and/or Proterozoic Metamorphic Rocks*

**DMqPW** orthogneiss (Mink Ck.)

**DMn3** quartzite, quartz-muscovite schist (Nisling Grp.)

 **Minfile Occurrences**



**TECK EXPLORATION LTD.**  
KAMLOOPS, BRITISH COLUMBIA

**WHITE PROPERTY**  
**REGIONAL GEOLOGY**



*after Bostock, 1942*

## **6.2 Property (Figure 4)**

The White property contains abundant Nisling Group metasedimentary rocks that have been intruded by the younger plutonic rocks. An undeformed granitic unit of questionable age outcrops as dykes at the Teacher Showing, and megacrystic feldspar porphyry, which is presumably Tertiary to Cretaceous in age, was observed in the southeastern corner of the claim block. Biotite granodiorite gneiss and gabbro to pyroxenite, possibly belonging to the Mink Creek Suite, was observed in several locations.

Graphitic gouge can be found in several locations on the property, however in most cases the lack of exposure makes it difficult to determine the significance of these structures.

## **6.3 Mineralization (Figure 4)**

Quartz veins and veinlets of varying widths and styles are scattered about the property as float and appear to be of local derivation. Veins have been observed to contain one, or a combination of, galena, chalcopyrite, pyrite, and stibnite.

The Teacher Showing, on the north side of the claim block near the Yukon River, was discovered in 1998. It had just recently been exposed for 30 to 40m along the Yukon River shoreline by erosion of the bank and was traced 30-50m upslope to the east in discontinuous outcrop in 1999. It is located about 600m north of Minneapolis Creek and just south of Principal Creek. The porphyry dyke(s) are known to extend northeast of Principal Creek since an outcrop of altered porphyry was uncovered on the north side of the creek.

The showing contains a significant density of epithermal style quartz stockwork mineralization and veins in a clay, sericite, pyritic and variably silicified granite (feldspar porphyry), possibly related to the Tertiary-Cretaceous plutonic suite. Massive stibnite occurs within the centre of some drusy veins up to 3cm wide. Other drusy veins reach widths of 15cm, while quartz breccias with fragments of metasedimentary rock occur in blocks up to 20cm wide.

Results from the showing include 5.8 g/t Au from silicified granite with fine arsenopyrite and 4.46 g/t Au from a quartz breccia with metasedimentary fragments.

Work in 1998 near the headwaters of Minneapolis Creek uncovered quartz vein float with chalcopyrite and galena that assayed 6.47 g/t Au and 26.5 g/t Ag.

## **7.0 GEOCHEMISTRY (Figures 4-8)**

### **7.1 Procedure**

A total of 26 rock, 84 soil, and 4 stream sediment samples were collected from the property. The samples were sent to Eco-Tech Labs, Kamloops, B.C. and analyzed for Al, Sb, As, Ba, Bi, Cd, Ca, Cr, Co, Cu, Fe, La, Pb, Mg, Mn, Hg, Mo, Na, Ni, P, Ag, Sr, Ti, Sn, W, U, V and Zn using a 32 element ICP package which involves a nitric-aqua regia digestion. Gold was analyzed by fire assay with an atomic absorption finish. Three samples were assayed for gold by fire assay. Lab procedures and results are outlined in Appendix II.

The rock samples across the property primarily consisted of grab samples of vein, stockwork and stringer mineralization and altered zones, exposed as float, limited subcrop and rare outcrop. Chip samples were collected across local quartz boulders. Sample locations with selected results are plotted on Figure 4 and on Figure 7, if collected from the grid. Samples from the hand trenching program consisted of chips across all the talus boulders encountered (composite sample) since bedrock generally could not be reached. Rock sample locations and selected results from the trenching program are plotted on Figure 8 with the geology.

The stream sediment samples consisted of 3 silt sample and 1 moss mat sample draining the property area. Complete sample results are listed in Appendix II and selected results are shown on Figure 4.

The Teacher Grid was extended by 0.9 line km in order to determine the extent of existing anomalies, to trace the Teacher Showing to the southeast under significant overburden cover and to determine the potential of the granite porphyry north of Principal Creek. Line

1 was extended 125m to the southwest, Line 2 was extended 225m to the northeast and an additional 550m long line (Line 5) was added 50m southeast of Line 4. The samples were collected at 25m intervals along the lines. A central 150m long, 310° trending baseline was used for control. The soil samples were collected from the B horizon with an auger and sent to the lab in waterproof kraft bags. Complete sample results are listed in Appendix II and the gold results, with selected anomalous antimony, copper and zinc results, are shown on Figure 5. Arsenic results are plotted on Figure 6.

Four reconnaissance soil lines were completed across the property. A 1.1 km 065° trending line (from the end of Line 4 on the Teacher Grid) was completed between Principal and Shamrock Creeks to test for the possible extension of the granite porphyry and to locate the Shamrock occurrence. Two lines (1.0 and 1.3 km long) were completed at the southeast end of the property to follow-up a 60 ppb Au stream sediment anomaly in Minneapolis Creek and to investigate an occurrence of feldspar porphyry. Sample spacing on the above lines was 100m. A fourth line, 0.6 km long, was completed above the quartz float that contains 6.5 g/t Au along Minneapolis Creek. Soil samples were collected at 50m spacings along the line. Sample locations and gold results are plotted on Figure 4.

Soil samples were collected from Trench 00-1 as a profile to determine the most effective horizon to sample and locate the possible source direction for the mineralized talus boulders encountered. Sample locations with gold, silver, arsenic and antimony results are plotted on Figure 8.

## **7.2 Results and Interpretation**

### **7.2.1 Rocks:** (Figures 4, 7 - 8)

Eleven rock samples were collected from prospecting across the property while running the soil lines and 15 samples were collected from the hand trenching program.

The three rock samples (WR-1, 2 and WR-711) collected along the reconnaissance soil lines did not return anomalous gold results. Similarly, rock samples (14101 to 14107) collected from the grid area were not anomalous.

Two rock samples were collected from the soil hole at WS-635, which returned 365 ppb Au, 630 ppm As and 155 ppm Sb. Sample 14108 consists of angular quartz fragments but contained only 20 ppb Au and 100 ppm As. Sample 14109 returned 12.15 g/t Au, 13.0 g/t Ag, >10,000 ppm As and 275 ppm Sb from brecciated and silicified metasedimentary rock.

As a result of the above, a limited hand trenching program was conducted in the vicinity of WS-635. A trench (Trench 00-1) was initially excavated at the WS-635 anomalous soil sample location. Talus blocks of the metasedimentary breccia within the trench suggested a source up-slope and slightly to the southwest. Consequently Trenches 00-2 and 3 were added up-slope to locate the source of the prospective talus boulders.

In Trench 00-1 samples of quartz vein talus boulders, up to 15cm wide, returned values up to 1.36 g/t Au with 225 ppm As (sample 14249). A composite sample of the quartz stringered, silicified and brecciated metasedimentary rocks in the trench returned 7.77 g/t Au, 3.6 g/t Ag, 3760 ppm As and 100 ppm Sb (sample 14250). Possible bedrock, consisting of metasedimentary rock was encountered at an approximate 1m depth in the bottom of the trench. A sample of the possible bedrock was not anomalous in gold or arsenic (sample 13981).

Trench 00-2, 400m southeast of Trench 00-1, encountered metasedimentary rocks and a granite porphyry dyke. Samples of the granite were not anomalous (13982, 83). A composite sample of quartz vein talus boulders from the trench was similarly not anomalous (13984). Values of 230 ppb Au, 1055 ppm As and 40 ppm Sb were obtained from a composite sample of altered metasedimentary talus blocks (13985). The silicified and brecciated metasedimentary rocks appear to lie further to the southwest and up-slope.

Trench 00-3 was excavated 550m southeast (upslope and slightly southwest) of Trench 00-2. The trench encountered boulders of granite porphyry (13978) and metasedimentary rocks (13980). A composite sample of quartz talus from the trench was not anomalous but a composite sample of altered metasedimentary rock returned 245 ppb Au, 545 ppm As and 60 ppm Sb. Again, the source for the silicified and brecciated metasedimentary rocks appears to be further to the southwest and up-slope from Trench 00-3.

### **7.2.2 Soils:** (Figures 5-6)

The soil grid extension on the Teacher Grid outlined two additional significant gold anomalies at the southern end of the grid. The strongest anomaly (235 ppb Au) occurs at the southwest end of the grid on Line 1 and is accompanied by 220 ppm As and 25 ppm Sb, with proximal, elevated base metal (copper, zinc) values (sample W-L1-014). A three-station arsenic anomaly, open on three sides, occurs at this location, coincident with base metal anomalies up to 143 ppm Zn and 82 ppm Cu. Based on the geochemical signature of this anomaly it appears to be related to the anomaly at WS-293, obtained in 1999. WS-293 returned 95 ppb Au, 60 ppm As with 129 ppm Zn and 138 ppm Cu. The southwest end of the grid appears to have a base metal association. The area appears to be underlain by metasedimentary rocks, possibly intruded by minor granite porphyry dykes.

The second significant gold in soil anomaly is 150 ppb Au from WS-18 on Line 5. An anomalous 45 ppb Au value in WS-20 occurs 50m to the southwest. Anomalous arsenic, up to 75 ppm, occurs in the vicinity (WS-21). The size of the anomaly may be restricted due to the ash encountered in this area.

Both of the above gold in soil anomalies occur peripheral to possible granite dykes intruding the metasedimentary rocks. The Teacher Showing also occurs at the contact between the granite and metasedimentary rocks.

Base metal anomalies are also evident on the grid proximal to the 365 ppb Au in soil anomaly at WS-635, the possible extension of the Teacher Showing, with values of 241 ppm Zn and 96 ppm Cu. On Line 5, anomalous base metal values up to 144 ppm Zn and

66 ppm Cu are continuously exposed from WS-9 to WS-12. The anomalies may be related to a possible continuation of the Teacher Showing through the area. The gold/arsenic signature may be masked by the presence of a possible terrace at WS-13.

Another anomalous zone is starting to appear at the northeast end of the grid on Line 5. Minor anomalous gold up to 20 ppb Au, with arsenic up to 75 ppm and antimony up to 20 ppm, occurs with anomalous base metal values of 184 ppm Zn and 106 ppm Cu.

There is a strong correlation between gold and arsenic on the Teacher Grid. There is also a significant correlation of gold/arsenic anomalies with copper/zinc anomalies. The restricted nature of the anomalies can be explained by the high level of slumping observed on the slope above the Yukon River and the successive effects of fire (ash). Despite the poor soil quality, significant anomalies have been obtained.

There were no significant soil anomalies obtained north of Principal Creek from either the Line 2 grid extension or the reconnaissance line between Principal Creek and Shamrock Creek. Granite porphyry underlies at least part of the Line 2 extension and was suspected to continue to the southeast across the reconnaissance line. Soil quality was poor and more detailed sampling may be required through this area.

The reconnaissance soil line completed above the quartz float that contains 6.5 g/t Au, with minor chalcopyrite and galena, along Minneapolis Creek returned a three station gold in soil anomaly directly up-slope. The anomaly includes 75, 50 and 10 ppb Au over 100m and is contained within a 400m long, >50 ppm arsenic anomaly. The 75 ppb Au anomaly is accompanied by 1445 ppm As and 20 ppm Sb. Anomalous base metal values up to 135 ppm Cu and 391 ppm Zn also occur within the soils in the area. The geochemical signature is consistent with the type of mineralization encountered, as gold bearing quartz float, in the area and as observed at the Teacher Showing. Additional and more detailed soil sampling is required to pinpoint the source of the gold bearing quartz float.

The two reconnaissance soil lines completed upstream of the 60 ppb Au stream sediment anomaly (WM-899) and proximal to an exposure of feldspar porphyry, returned nine values  $\geq 10$  ppb Au to a maximum of 45 ppb Au with 205 ppm As. Elevated zinc and

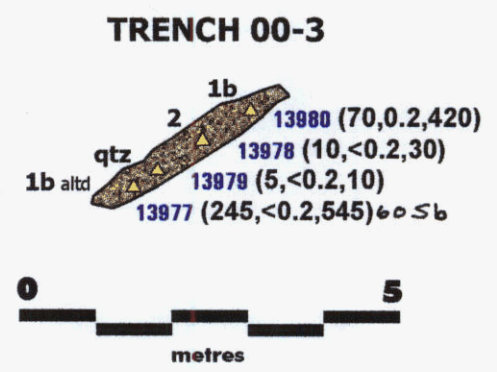
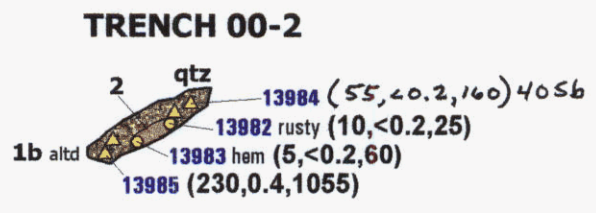
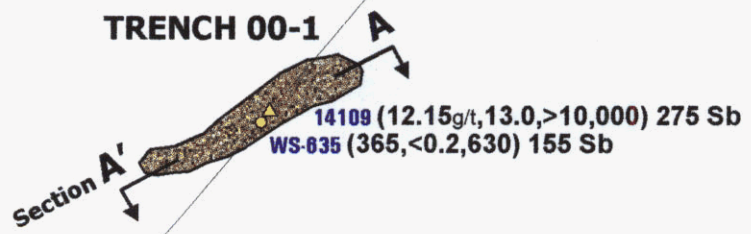
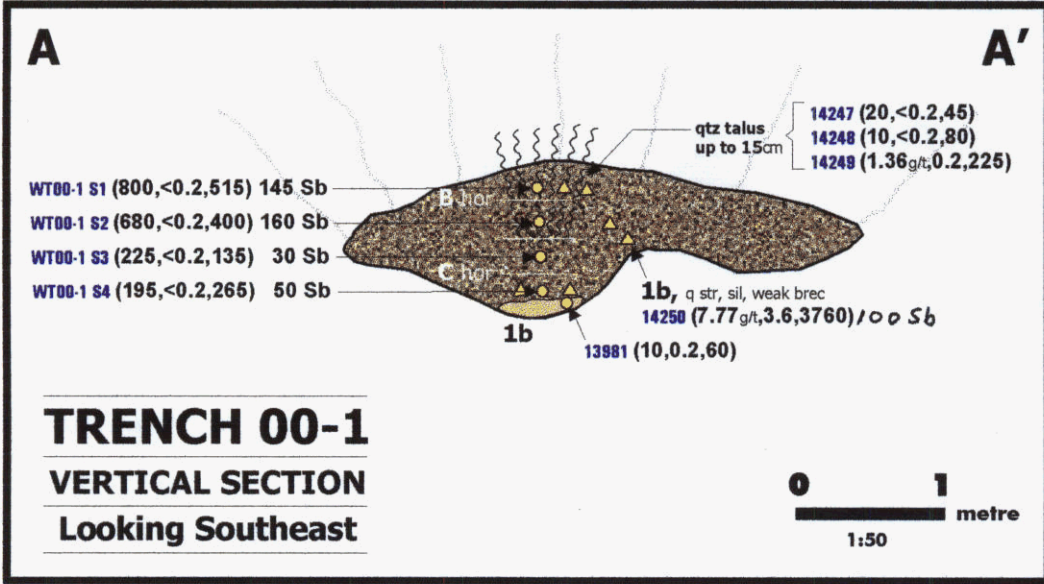
copper values are also evident with a maximum of 112 ppm Zn and 131 ppm Cu. The gold, chalcopyrite and galena/sphalerite bearing veins may continue through this area. The northwest ends of the above lines and the southeast end of the line above the gold bearing quartz float are anomalous in chromium and nickel. This is probably due to the presence of the gabbro-pyroxenite unit through this region.

Soil samples collected as a soil profile from Trench 00-1 returned values up to 800 ppb Au, 515 ppm As and 145 ppm Sb. The original sample from this site (WS-635) carried similar values of 365 ppb Au, 630 ppm As and 155 ppm Sb. The maximum soil values were obtained from the top of the B horizon and generally decreased downwards to the C horizon, which returned 195 ppb Au, 265 ppm As and 50 ppm Sb. The bottom B horizon returned slightly lower values than the C horizon for arsenic and antimony, with 135 ppm As and 30 ppm Sb. The decrease in values suggests that the source of the anomaly is further up-slope, which is confirmed by the presence of mineralized talus boulders as opposed to mineralized bedrock in the trench.

### **7.2.3 Stream sediment:** (Figure 4)

Two additional stream sediment samples were collected from a fork in Minneapolis Creek in 2000 and confirmed the low results from this junction in 1999. The silt samples (W-L11522, 523) returned 5 ppb Au. A moss mat sample taken in 1999, upstream of the above samples, returned an anomalous value of 60 ppb Au (W-M899).

Two stream sediment samples were collected upstream of an 80 ppb Au anomaly from moss mat sample MSM-275 collected in 1999 from Shamrock Creek. The two samples (moss mat WM-712 and silt WL-713) were not anomalous.



Grid Line L2



**LEGEND**

CRETACEOUS - TERTIARY  
 2 Granite porphyry

PROTEROZOIC and/or PALEOZOIC  
 1b Paragneiss/Schist

Sample no. Au ppb Ag ppm As ppm  
 14108 (20, <0.2, 100)

o, Δ Rock Sample In place, float

alt'd altered  
 sil silicified  
 brecc brecciated  
 q str quartz stringers  
 hem hematite

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**WHITE PROPERTY**  
**TRENCH LOCATIONS**  
**GEOLOGY and RESULTS**

SCALE: 1:100    NTS No: 115 0    DRAWN BY: S.A.    **FIGURE 8**

## 8. CONCLUSIONS AND RECOMMENDATIONS

The Teacher Showing constitutes a significant discovery with values up to 5.8 g/t Au. Despite poor soil quality, a limited soil survey has traced the showing 100m along strike to the southeast and possibly even 250m along strike. The mineralization remains open in this direction. Additional multi-element (gold, arsenic, antimony, copper, and zinc) soil anomalies are evident on the grid. Trenching of a 365 ppb Au, 630 ppm As and 155 ppm Sb soil anomaly, 100m southeast of the Teacher Showing, returned significant values up to 12.15 g/t Au, 13.0 g/t Ag, >10,000 ppm As and 275 ppm Sb from brecciated and silicified metasedimentary talus boulders. The source of the boulders appears to be up-slope and slightly southwest of the southeasterly trend for the Teacher Zone. The mineralization and soil anomalies on the grid all appear to be associated with the contact zones between the granite porphyry dykes and the metasedimentary rocks.

There is a strong correlation between gold and arsenic on the Teacher Grid. There is also a significant correlation of gold/arsenic anomalies with copper/zinc anomalies. The restricted nature of the anomalies can be explained by the high level of slumping observed on the slope above the Yukon River and the successive effects of fire. Despite the poor soil quality, significant anomalies have been obtained.

A significant reconnaissance soil anomaly was obtained up-slope from the quartz float that contains 6.5 g/t Au and 26.5 g/t Ag, with minor chalcopyrite and galena, along Minneapolis Creek. The multi-element, multi-station anomaly returned up to 75 ppb Au, 1445 ppm As, 20 ppm Sb, 135 ppm Cu and 391 ppm Zn. The geochemical signature is consistent with the type of mineralization encountered as gold bearing quartz float in the area and as observed at the Teacher Showing. Additional and more detailed soil sampling is required to pinpoint the source of the gold bearing quartz float.

A multi-element, multi-station soil anomaly was obtained from two reconnaissance soil lines completed upstream of the 60 ppb Au stream sediment anomaly in upper Minneapolis Creek and proximal to an exposure of feldspar porphyry. Maximum values are 45 ppb Au with 205 ppm As, 112 ppm Zn and 131 ppm Cu. This is suggestive that

the gold, chalcopyrite and galena/sphalerite bearing veins may continue through this area.

The Teacher Showing should be the main focus of interest for exploration on the White property, serving as a guide for further exploration on the claims as a whole. In the early 1900's, sources indicate that N.J. Donahue discovered large quartz sulphide structures bounded by porphyritic rock that contained free gold, silver, and antimony. The similarity between this description and the Teacher Showing is quite promising, and given the distance between Donahue's adit and the newly uncovered mineralization at the Yukon River, there is potential for mineralization over a large area. It is clear that the feldspar porphyritic dykes constitute an important target on the property. From an examination of the regional geology map, it is clear that the extent of the younger mineralized intrusive has been under-estimated, and the potential for locating more of this porphyry exists.

The Teacher Showing should be explored by hand/blast trenching up-slope of the 365 ppb Au, 630 ppm As and 155 ppm Sb soil anomaly and gold bearing silicified metasedimentary breccia (up to 12.15 g/t Au) at Trench 00-1. Trenching of additional gold and base metal soil anomalies (up to 235 ppb Au, 220 ppm As, 25 ppm Sb, 241 ppm Zn and 138 ppm Cu) from the Teacher Grid should also be undertaken. The soil grid should be extended to the south and up-slope to the southeast.

Additional and more detailed soil sampling is required to pinpoint the source of the gold bearing quartz float, containing 6.5 g/t Au and 26.5 g/t Ag, along Minneapolis Creek. A reconnaissance soil line above the float returned up to 75 ppb Au 1445 ppm As, 20 ppm Sb, 135 ppm Cu and 391 ppm Zn. Contour soil sampling above the reconnaissance line with samples collected at 25m intervals is recommended.

The gold, chalcopyrite and galena/sphalerite bearing veins may continue through the area upstream of the 60 ppb Au stream sediment anomaly in upper Minneapolis Creek and proximal to an exposure of feldspar porphyry. Two reconnaissance soil lines in the area returned anomalous values of 45 ppb Au with 205 ppm As, 112 ppm Zn and 131 ppm Cu. Additional and more detailed contour soil sampling is therefore warranted.

A program of hand/blast trenching and grid and detailed contour soil sampling is recommended for 2001. A modest budget of \$50,000 would be required as follows:

Wages: (30 man days @ \$300/day)	\$ 9,000.00
Accommodation and Meals:	3,000.00
Equipment Rental, Supplies:	5,000.00
Government Filing Fees:	2,000.00
Geochemistry:	7,000.00
Helicopter:	12,000.00
Communication and Transportation:	2,000.00
Report and Drafting:	5,000.00
Miscellaneous: (10%)	<u>5,000.00</u>
 TOTAL:	 \$ 50,000.00

## **APPENDIX I**

### **Selected References**

Bostock, H.S. (1942): Geology of the Ogilvie, Y.T.; Geological Survey of Canada Map 711A, scale 1:250,000.

Pautler, J. (1997): Yukon regional report; In house report.

Pautler, J. and Papageorge, M (1999): 1999 geological and geochemical report on the White property; Assessment and in house reports.

Tempelman-Kluit, D. (1974): Geology of the Stewart River map area, Y.T.; Geological Survey of Canada, Map 18-1973, scale 1:250,000.

Yukon Minfile (1996): Yukon Geology Program, IMS Ltd., NTS 115 N, 115 O.

### APPENDIX III - Statement of Expenditures

<b>Wages:</b>	J. Pautler                    4 days @ 350.00/day            \$1,400.00 L. Levesque                   4 days @ 220.00/day            880.00 H. Mueller                    1 day @ 220.00/day            220.00 E. A. Archibald              1 day @ 220.00/day            220.00 S. G. Lehman                 1 day @ 235.00/day            235.00 L. Weston                      1 day @ 220.00/day            220.00	<b>Total: 12 man-days</b>	<b>\$ 3,175.00</b>
<b>Preparation and Mob/Demob</b> (from Whitehorse)			<b>1,550.00</b>
<b>Geochemistry:</b>	84 soils @ 20.00 ea.            Au, ICP            1680.00 26 rocks @ 23.00 ea.           Au, ICP            598.00 4 silts @ 21.00 ea.            Au, ICP            84.00 3 rocks @ 9.00 ea.            Au assays            27.00 Shipping:                            350.00	<b>Total:</b>	<b>2,739.00</b>
<b>Equipment Rental:</b> (handheld radios, trenching equipment)			<b>Total: 450.00</b>
<b>Air Charter:</b>	Trans North Helicopters, Dawson City, Y.T. (July 10, August 30)  <b>5.4 hrs @ \$ 850.00/hr incl. fuel</b>	<b>Total:</b>	<b>4,590.00</b>
<b>Meals, Accommodation:</b> 12 man-days @ \$100.00/md.			<b>1,200.00</b>
<b>Groceries:</b>	12 man-days @ \$ 10.00/md		<b>120.00</b>
<b>Field Supplies:</b>	(flagging tape, thread, sample bags) 12 man-days @ 20./md		<b>240.00</b>
<b>Truck/Gas:</b>	4 days @ \$50/day + 30. gas		<b>230.00</b>
<b>Maps &amp; Prints:</b>			<b>250.00</b>
<b>Report &amp; Drafting:</b>			<b><u>\$ 3,200.00</u></b>
<b>GRAND TOTAL:</b>			<b>\$ 17,744.00</b>
<b>Total Amount Applied for Assessment</b>			<b>\$ 16,600.00</b>

**APPENDIX II**

**Geochemical Procedure and Results**

## **SAMPLE PREPARATION ROCK/CORE**

### **i Standard Preparation - Geochem/Assay Samples**

Samples are dried at 60°C (if necessary), jaw crushed and roll crushed to approximately 10 mesh. The crushed sample is passed through a Jones splitter to obtain a nominal 250-300 gram subsample.

The sub sample is pulverized in a ring and puck pulverizer to >94%, passing -140 mesh. The pulverized sample is homogenized by rolling on glazed paper prior to analysis.

### **ii Standard Preparation - "Metallic Assay"**

The entire pulverized sample from (i) above is weighed and passed through a 140 mesh screen. The -140 mesh material is homogenized by rolling on glazed paper and weighed. The +140 mesh material collected and weighed.

## **Analytical Procedure Assessment Report**

### GEOCHEMICAL GOLD ANALYSIS

Samples are catalogued and dried. Soils are prepared by sieving through an 80 mesh screen to obtain a minus 80 mesh fraction. Samples unable to produce adequate minus 80 mesh material are screened at a coarser fraction. These samples are flagged with the relevant mesh. Rock samples are 2 stage crushed to minus 10 mesh and a 250 gram subsample is pulverized on a ring mill pulverizer to -140 mesh. The subsample is rolled, homogenized and bagged in a prenumbered bag.

The sample is weighed to 10/15/30 grams and fused along with proper fluxing materials. The bead is digested in aqua regia and analyzed on an atomic absorption instrument. Over-range values for rocks are re-analyzed using gold assay methods.

Appropriate reference materials accompany the samples through the process allowing for quality control assessment. Results are entered and printed along with quality control data (repeats and standards). The data is faxed and/or mailed to the client.

## Analytical Procedure Assessment Report

### *MULTI ELEMENT ICP ANALYSIS*

Samples are catalogued and dried. Soil samples are screened to obtain a -80 mesh sample. Samples unable to produce adequate -80 mesh material are screened at a coarser fraction. These samples are flagged with the relevant mesh. Rock samples are 2 stage crushed to minus 10 mesh and pulverized on a ring mill pulverizer to minus 140 mesh, rolled and homogenized.

A 0.5 gram sample is digested with aqua regia which contains beryllium which acts as an internal standard. The sample is analyzed on a Jarrell Ash ICP unit.

Results are collated by computer and are printed along with accompanying quality control data (repeats and standards). Results are printed on a laser printer and are faxed and/or mailed to the client.

*K:Methods/methicp*

## **Analytical Procedure Assessment Report**

### **GEOCHEMICAL AU/PT/PD ANALYSIS**

Samples are catalogued and dried. Soils are prepared by sieving through an 80 mesh screen to obtain a minus 80 mesh fraction. Samples unable to produce adequate minus 80 mesh material are screened at a coarser fraction. These samples are flagged with the relevant mesh. Rock samples are 2 stage crushed to minus 10 mesh and a 250 gram subsample is pulverized on a ring mill pulverizer to -140 mesh. The subsample is rolled, homogenized and bagged in a prenumbered bag.

The sample is weighed to 10/15/30 grams and fused along with proper fluxing materials. The bead is digested in aqua regia and analyzed on an atomic absorption instrument. Over-range values for rocks are re-analyzed using gold assay methods.

Appropriate reference materials accompany the samples through the process allowing for quality control assessment. Results are entered and printed along with quality control data (repeats and standards). The data is faxed and/or mailed to the client.

*K:Methods/meaupdt*

## **Analytical Procedure Assessment Report**

### ***METALLIC GOLD ASSAY***

Samples are catalogued and dried. Rock samples are two stage crushed to minus 10 mesh, then split to achieve a 250 gram (approximate) sub sample. The sample is pulverized to 95% - 140 mesh. The sample is weighed, then rolled and homogenized and screened at 140 mesh.

The -140 mesh fraction is homogenized and 2 samples are fire assayed for Au. The +140 mesh material is assayed entirely. The resultant fire assay bead is digested with acid and after parting is analyzed on a Perkin Elmer atomic absorption machine using air-acetylene flame to .03 grams/t detection limit.

The entire set of samples is redone if the quality control standard is outside 2 standard deviations or if the blank is greater than .015 g/t.

The values are calculated back to the original sample weight providing a net gold value as well as 2 -140 values and a single +140 mesh value.

Results are collated by computer and are printed along with accompanying quality control data (repeats and standards). Results are printed on a laser printer and are faxed and/ or mailed to the client.

## **Analytical Procedure Assessment Report**

### ***BASE METAL ASSAYS (Ag, Cu, Pb, Zn)***

Samples are catalogued and dried. Rock samples are 2 stage crushed followed by pulverizing a 250 gram subsample. The subsample is rolled and homogenized and bagged in a prenumbered bag.

A suitable sample weight is digested with aqua regia. The sample is allowed to cool, bulked up to a suitable volume and analyzed by an atomic absorption instrument, to .01 % detection limit.

Appropriate certified reference materials accompany the samples through the process providing accurate quality control.

Result data is entered along with standards and repeat values and are faxed and/or mailed to the client.

26-Jul-00

ECO-TECH LABORATORIES LTD.  
10041 Dallas Drive  
KAMLOOPS, B.C.  
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2000-164

TECK EXPLORATION LTD.  
#350-272 VICTORIA STREET  
KAMLOOPS, B.C.  
V2C 2A2

Phone: 250-573-5700  
Fax : 250-573-4557

ATTENTION: J. Pautler

No. of samples received: 62  
Sample Type: Soil  
Project #: ~~1553T~~ 1768-08  
Shipment #: 5  
Samples submitted by: J. Pautler

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	WS - 700	<5	<0.2	1.29	<5	340	10	0.53	<1	11	27	19	2.50	<10	0.45	645	<1	0.02	19	410	12	<5	<20	32	0.07	<10	49	<10	10	43
2	WS - 701	5	<0.2	1.49	15	365	5	0.44	<1	14	31	17	2.84	<10	0.47	1015	<1	0.02	22	540	14	<5	<20	24	0.08	<10	58	<10	9	72
3	WS - 702	<5	<0.2	1.32	10	365	10	0.48	<1	11	27	17	2.49	<10	0.44	586	<1	0.02	21	550	12	<5	<20	27	0.06	<10	51	<10	8	60
4	WS - 703	5	<0.2	1.38	10	360	<5	0.54	<1	11	29	25	2.61	10	0.49	468	<1	0.02	24	570	12	<5	<20	27	0.07	<10	54	<10	16	55
5	WS - 704	<5	<0.2	1.32	15	320	5	0.65	<1	9	27	22	2.56	10	0.50	253	<1	0.02	19	780	14	<5	<20	36	0.07	<10	53	<10	14	57
6	WS - 705	10	<0.2	1.33	<5	305	5	0.59	<1	10	25	20	2.43	10	0.46	275	<1	0.02	17	770	12	<5	<20	34	0.06	<10	53	<10	12	47
7	WS - 706	5	<0.2	1.35	5	310	5	0.59	<1	9	25	23	2.41	10	0.45	281	<1	0.02	19	720	12	<5	<20	36	0.07	<10	53	<10	12	49
8	WS - 707	10	<0.2	1.26	10	270	10	0.57	<1	9	25	20	2.34	10	0.45	283	<1	0.02	16	880	10	<5	<20	31	0.08	<10	54	<10	9	50
9	WS - 708	<5	<0.2	1.21	10	215	<5	0.34	<1	9	23	13	2.09	10	0.39	255	<1	<0.01	14	840	12	<5	<20	22	0.08	<10	52	<10	7	51
10	WS - 709	<5	<0.2	1.35	5	485	5	0.42	<1	10	30	27	2.34	10	0.49	373	<1	0.01	17	720	12	<5	<20	26	0.07	<10	57	<10	12	57
11	WS - 710	<5	<0.2	1.46	5	680	5	1.14	1	13	41	41	2.92	20	0.76	687	<1	0.01	39	1160	14	10	<20	62	0.09	<10	66	<10	24	99
12	WS 800+00	5	<0.2	1.90	10	325	<5	0.28	<1	15	74	71	3.32	<10	0.89	279	<1	<0.01	61	490	16	<5	<20	14	0.07	<10	75	<10	1	50
13	WS 801	-	NO SAMPLE																											
14	WS 802	5	<0.2	1.57	15	625	10	1.10	<1	13	37	38	2.66	10	0.82	664	<1	0.01	37	1400	14	5	<20	30	0.09	<10	56	<10	15	77
15	WS 803	-	NO SAMPLE																											
16	WS 804	-	NO SAMPLE																											
17	WS 805	-	NO SAMPLE																											
18	WS 806	<5	<0.2	1.43	10	180	10	0.24	<1	16	177	29	2.67	<10	0.90	255	<1	<0.01	70	590	12	5	<20	12	0.10	<10	63	<10	4	48
19	WS 807	<5	<0.2	1.64	5	170	<5	0.28	<1	25	134	63	2.80	<10	1.00	552	<1	<0.01	71	560	8	<5	<20	12	0.08	<10	77	<10	2	54
20	WS 808	-	NO SAMPLE																											
21	WS 809	20	<0.2	0.94	<5	100	<5	0.20	<1	7	54	66	1.37	<10	0.43	106	<1	<0.01	25	510	8	10	<20	10	0.04	<10	24	<10	3	31
22	WS 810	5	<0.2	1.35	5	165	10	0.38	<1	25	120	36	2.16	<10	0.93	639	<1	<0.01	67	460	12	5	<20	16	0.08	<10	56	<10	4	36
23	WS 811	<5	<0.2	1.68	<5	205	5	0.78	<1	24	192	40	2.51	<10	1.44	460	<1	0.01	97	610	12	10	<20	27	0.08	<10	58	<10	6	48
24	WS 812	<5	<0.2	1.70	10	225	5	0.81	<1	20	114	35	2.85	<10	1.19	567	<1	0.01	67	670	14	<5	<20	24	0.08	<10	64	<10	10	48
25	WS 813	5	<0.2	1.46	<5	210	10	0.46	<1	14	99	27	2.30	<10	0.95	226	<1	<0.01	70	610	10	10	<20	16	0.10	<10	51	<10	7	37

26-Jul-00

## ICP CERTIFICATE OF ANALYSIS AK 2000-164

TECK EXPLORATION LTD.

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	WS 900	5	<0.2	2.16	50	275	<5	0.19	<1	13	35	21	3.13	<10	0.52	320	<1	<0.01	22	310	20	<5	<20	15	0.06	<10	71	<10	<1	47
27	WS 901	45	<0.2	1.76	205	315	5	0.26	<1	9	30	24	2.70	<10	0.47	201	<1	<0.01	19	410	14	<5	<20	21	0.05	<10	66	<10	3	44
28	WS 902	25	<0.2	1.99	85	315	<5	0.22	<1	16	53	63	3.72	40	1.07	334	<1	0.01	31	970	20	<5	<20	21	0.11	<10	56	<10	11	112
29	WS 903	30	<0.2	1.43	145	350	<5	0.25	<1	11	28	49	3.00	10	0.48	450	2	<0.01	24	680	16	<5	<20	22	0.06	<10	54	<10	8	75
30	WS 904	5	<0.2	1.44	65	550	<5	0.40	<1	10	56	51	2.90	20	0.67	330	<1	<0.01	39	720	14	<5	<20	20	0.07	<10	63	<10	20	106
31	WS 905	10	<0.2	2.09	45	620	15	0.72	<1	15	48	43	3.65	<10	1.04	354	<1	<0.01	33	910	16	<5	<20	35	0.17	<10	81	<10	6	76
32	WS 906	15	<0.2	1.67	45	780	<5	0.58	<1	10	41	46	2.91	10	0.66	371	<1	0.01	32	780	14	<5	<20	28	0.07	<10	64	<10	17	68
33	WS 907	20	<0.2	1.87	25	915	10	0.70	1	12	50	60	3.15	<10	0.88	423	<1	<0.01	34	400	12	<5	<20	31	0.09	<10	72	<10	9	65
34	WS 908	10	<0.2	1.57	<5	290	10	0.24	<1	24	49	29	2.34	<10	0.44	469	<1	0.01	54	280	12	<5	<20	10	0.08	<10	52	<10	2	34
35	WS 909	20	<0.2	1.60	5	185	5	0.59	<1	25	91	59	2.63	<10	0.76	329	<1	0.01	86	410	14	5	<20	21	0.07	<10	55	<10	2	38
36	WS 910	<5	<0.2	2.71	<5	425	10	0.48	<1	35	307	131	4.56	<10	2.34	419	<1	<0.01	230	650	14	5	<20	17	0.15	<10	121	<10	25	61
37	WS 1000	15	<0.2	1.59	10	395	10	0.93	<1	19	100	44	2.59	<10	1.18	518	<1	0.01	58	670	12	15	<20	24	0.08	<10	61	<10	10	50
38	WS 1001	5	<0.2	1.91	35	370	5	0.56	<1	21	133	36	3.51	<10	1.48	561	<1	<0.01	71	380	12	15	<20	16	0.08	<10	75	<10	11	49
39	WS 1002	10	<0.2	1.78	100	420	10	1.13	<1	27	371	59	2.95	<10	1.97	453	<1	<0.01	143	460	12	20	<20	52	0.07	<10	64	<10	12	58
40	WS 1004	5	<0.2	0.65	140	200	5	0.20	<1	7	20	89	1.84	<10	0.20	227	2	<0.01	26	560	8	<5	<20	14	0.01	<10	24	<10	4	71
41	WS 1005	<5	<0.2	1.20	50	165	<5	0.08	<1	8	26	38	3.05	<10	0.41	167	2	<0.01	29	430	14	<5	<20	14	0.05	<10	70	<10	4	107
42	WS 1006	50	<0.2	1.38	330	505	<5	1.24	<1	23	116	46	2.96	<10	1.03	931	<1	0.01	70	440	12	10	<20	57	0.05	<10	54	<10	11	64
43	WS 1007	10	<0.2	0.93	65	420	5	1.36	<1	13	45	34	2.31	<10	0.55	679	<1	0.01	40	660	8	5	<20	67	0.03	<10	41	<10	10	61
44	WS 1008	75	<0.2	1.16	1445	600	<5	1.90	<1	20	31	77	4.03	<10	0.54	1355	4	0.01	57	1240	14	20	<20	76	0.01	<10	52	<10	26	90
45	WS 1009	<5	<0.2	1.46	300	565	<5	0.91	<1	13	29	117	2.95	<10	0.40	848	1	0.01	33	590	12	5	<20	29	0.03	<10	56	<10	14	77
46	WS 1010	<5	<0.2	1.14	265	495	10	1.15	1	14	25	41	2.83	<10	0.38	1061	3	0.01	49	790	10	10	<20	40	0.02	<10	47	<10	9	134
47	WS 1011	5	<0.2	0.87	400	720	<5	0.72	<1	27	29	135	4.69	10	0.32	2014	4	<0.01	185	1710	14	<5	<20	28	0.01	<10	47	<10	26	391
48	WS 1012	<5	<0.2	1.17	40	500	5	1.24	1	12	29	37	2.53	<10	0.56	606	<1	<0.01	39	770	10	5	<20	42	0.04	<10	45	<10	13	92
49	W - L1 010	<5	<0.2	1.43	30	490	5	1.75	2	12	43	61	3.21	10	0.78	617	<1	0.02	43	1140	12	<5	<20	90	0.06	<10	58	<10	14	146
50	W - L1 011	<5	<0.2	1.00	15	440	<5	1.63	1	9	22	40	2.22	<10	0.58	548	<1	0.02	26	1310	8	5	<20	65	0.04	<10	39	<10	12	65
51	W - L1 012	15	<0.2	1.42	75	350	<5	1.52	1	12	32	82	3.40	20	0.83	411	2	0.02	37	1030	14	5	<20	73	0.07	<10	61	<10	18	105
52	W - L1 013	5	<0.2	1.36	55	350	<5	0.55	1	13	30	65	3.51	10	0.63	461	2	0.02	34	930	14	<5	<20	58	0.07	<10	58	<10	14	143
53	W - L1 014	235	<0.2	0.98	220	415	5	0.62	<1	15	26	43	2.71	10	0.45	347	<1	0.01	41	830	14	25	<20	36	0.04	<10	41	<10	18	78
54	W - L2 001	5	<0.2	0.87	10	280	10	1.08	<1	10	24	38	2.09	<10	0.60	349	<1	0.01	31	890	8	5	<20	45	0.05	<10	39	<10	13	55
55	W - L2 002	5	<0.2	1.03	20	465	<5	2.58	<1	10	24	48	2.35	<10	0.63	489	<1	0.02	27	1010	10	5	<20	88	0.05	<10	49	<10	13	51
56	W - L2 003	<5	<0.2	1.23	10	330	<5	0.66	<1	11	27	27	2.56	10	0.49	417	<1	0.01	27	530	12	<5	<20	27	0.06	<10	49	<10	14	51
57	W - L2 004	<5	<0.2	1.36	10	310	10	0.35	<1	11	31	18	2.61	<10	0.45	507	<1	0.01	21	320	14	<5	<20	19	0.07	<10	54	<10	8	46
58	W - L2 005	<5	<0.2	1.22	5	315	10	0.46	<1	11	26	19	2.46	<10	0.43	510	<1	0.01	18	580	12	<5	<20	24	0.07	<10	47	<10	6	43
59	W - L2 006	<5	<0.2	1.25	40	295	5	0.47	<1	13	30	30	2.71	10	0.52	501	<1	0.01	30	550	14	<5	<20	24	0.07	<10	53	<10	16	51
60	W - L2 007	<5	<0.2	1.32	40	475	<5	0.98	<1	13	34	55	2.91	10	0.66	609	<1	0.02	39	1080	14	5	<20	46	0.07	<10	60	<10	16	82

26-Jul-00

ICP CERTIFICATE OF ANALYSIS AK 2000-164

TECK EXPLORATION LTD.

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
61	W - L2 008	<5	<0.2	1.15	45	370	5	1.00	<1	12	27	39	2.58	10	0.52	471	<1	0.01	30	990	10	<5	<20	40	0.05	<10	47	<10	13	61
62	W - L2 009	5	<0.2	1.17	15	345	<5	0.49	<1	12	28	22	2.65	10	0.52	407	<1	0.01	26	460	12	5	<20	22	0.07	<10	50	<10	14	52

QC DATA:


Repeat:

1	WS - 700	5	<0.2	1.28	10	325	10	0.52	<1	10	27	18	2.46	<10	0.44	631	<1	0.02	19	430	12	<5	<20	22	0.07	<10	48	<10	10	43
10	WS - 709	<5	<0.2	1.37	<5	490	5	0.43	<1	10	31	26	2.38	10	0.49	379	<1	0.01	19	720	14	<5	<20	27	0.07	<10	57	<10	12	58
19	WS 806	<5	<0.2	1.66	10	150	15	0.28	<1	26	136	61	2.84	<10	1.01	557	<1	<0.01	73	580	14	<5	<20	<1	0.08	<10	78	<10	3	55
28	WS 902	20	<0.2	2.01	80	310	10	0.22	<1	16	53	60	3.68	30	1.08	331	<1	<0.01	32	960	22	5	<20	17	0.11	<10	56	<10	11	113
36	WS 910	<5	<0.2	2.60	15	420	15	0.51	<1	35	298	127	4.49	<10	2.24	412	<1	<0.01	228	770	14	5	<20	21	0.14	<10	118	<10	24	59
45	WS 1009	<5	<0.2	1.46	275	570	5	0.94	<1	13	28	112	2.99	<10	0.40	874	2	0.01	33	670	16	<5	<20	22	0.03	<10	56	<10	15	79
54	W - L2 001	10	<0.2	0.86	10	270	<5	1.05	<1	10	23	35	2.06	10	0.59	333	<1	0.01	31	910	10	10	<20	44	0.05	<10	39	<10	12	54

Standard:

GEO'00		115	1.0	1.64	65	150	<5	1.47	<1	18	65	84	3.38	<10	0.88	635	<1	0.01	24	680	22	10	<20	54	0.10	<10	71	<10	9	67
GEO'00		-	0.8	1.67	60	155	<5	1.53	<1	19	66	88	3.49	<10	0.91	669	<1	0.01	25	770	24	10	<20	51	0.09	<10	72	<10	10	69

df/164  
XLS/00Teck  
fax: 372-1285

  
ECO-TECH LABORATORIES LTD.  
Frank J. Pezzotti, A.Sc.T.  
B.C. Certified Assayer

ECO-TECH LABORATORIES LTD.  
10041 Dallas Drive  
KAMLOOPS, B.C.  
V2C 6T4

Phone: 250-573-5700  
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2000-265

TECK EXPLORATION LTD.  
#350-272 VICTORIA STREET  
KAMLOOPS, B.C.  
V2C 2A2

ATTENTION: Jean Pautler

No. of samples received: 37  
Sample Type: Soil/Silt  
Project #: 1765-W  
Shipment #: None Given  
Samples submitted by: Jean Pautler

Values in ppm unless otherwise reported

White Soils

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	Ads +1	5	<0.2	1.02	<5	210	<5	0.27	<1	5	23	18	1.77	10	0.67	185	<1	<0.01	14	750	6	<5	<20	17	0.05	<10	25	<10	7	50
2	Ads +2	5	<0.2	1.22	<5	385	<5	0.33	<1	4	19	16	2.18	<10	0.42	291	<1	<0.01	15	660	6	<5	<20	21	0.03	<10	33	<10	4	48
3	Ads +3	5	<0.2	1.05	<5	320	<5	0.31	<1	4	18	14	1.93	<10	0.41	176	<1	<0.01	11	700	4	<5	<20	17	0.03	<10	29	<10	6	43
4	Ads +4	5	<0.2	0.78	<5	215	<5	0.22	<1	7	13	9	1.54	<10	0.27	409	<1	<0.01	9	720	4	<5	<20	12	0.02	<10	22	<10	2	31
5	Ads +5	10	<0.2	0.98	5	370	<5	0.34	<1	3	16	18	2.27	<10	0.42	216	<1	<0.01	14	840	6	<5	<20	19	0.02	<10	28	<10	5	63
6	Ads +6	15	<0.2	1.04	<5	270	<5	0.38	<1	5	18	17	2.12	<10	0.45	244	<1	<0.01	15	720	4	<5	<20	20	0.04	<10	32	<10	6	50
7	Ads +7	5	<0.2	0.45	<5	80	<5	0.14	<1	1	6	7	1.10	<10	0.19	85	<1	<0.01	7	450	<2	<5	<20	7	0.01	<10	11	<10	<1	26
8	Ads +8	5	<0.2	1.30	10	185	<5	0.13	<1	10	18	18	2.95	<10	0.59	371	<1	<0.01	14	750	12	<5	<20	6	0.05	<10	33	<10	<1	63
9	Ads +9	5	<0.2	1.14	<5	175	<5	0.19	<1	6	15	14	2.17	<10	0.55	248	<1	<0.01	12	660	6	<5	<20	9	0.04	<10	25	<10	<1	61
10	Ads +10	5	<0.2	0.93	<5	140	<5	0.17	<1	6	17	10	1.83	<10	0.45	248	<1	<0.01	10	580	4	<5	<20	9	0.03	<10	25	<10	<1	42
11	W T00-1 S1	800	<0.2	0.97	515	480	5	0.56	<1	9	25	32	3.70	10	0.33	339	2	0.01	39	890	10	145	<20	60	0.02	<10	45	<10	7	94
12	W T00-1 S2	680	<0.2	0.89	400	330	<5	0.45	<1	7	24	28	2.95	<10	0.43	243	<1	<0.01	30	860	6	160	<20	44	0.03	<10	42	<10	9	68
13	W T00-1 S3	225	<0.2	1.01	135	440	<5	0.68	<1	6	22	37	2.54	<10	0.51	304	<1	0.01	26	960	2	30	<20	35	0.04	20	41	<10	11	60
14	W T00-1 S4	195	<0.2	0.97	265	425	<5	0.34	<1	7	34	52	3.93	10	0.44	222	2	0.01	38	1050	6	50	<20	62	0.03	<10	49	<10	8	103
15	WS T5-2	10	<0.2	1.55	75	860	<5	2.15	<1	20	63	106	4.13	20	1.25	794	<1	0.01	102	1500	8	20	<20	114	0.10	<10	87	<10	27	184
16	WS T5-3	<5	<0.2	1.24	25	360	<5	0.97	<1	9	26	34	2.70	<10	0.63	464	<1	0.01	32	900	4	10	<20	48	0.05	<10	49	<10	10	76
17	WS T5-4	10	<0.2	1.45	40	350	<5	0.53	<1	10	31	29	3.04	<10	0.67	276	<1	<0.01	29	730	8	5	<20	30	0.05	<10	57	<10	5	75
18	WS T5-5	<5	<0.2	1.32	30	365	<5	0.91	<1	11	27	37	2.95	10	0.67	528	<1	<0.01	36	900	8	5	<20	46	0.04	<10	49	<10	11	87
19	WS T5-6	10	<0.2	1.11	15	310	<5	1.08	<1	9	24	28	2.57	<10	0.64	462	<1	0.01	30	940	4	5	<20	47	0.05	<10	47	<10	9	71
20	WS T5-7	15	<0.2	0.85	15	235	<5	0.97	<1	6	17	20	2.13	<10	0.53	317	<1	0.01	19	880	<2	5	<20	40	0.04	<10	35	<10	6	52
21	WS T5-8	10	<0.2	0.59	15	165	<5	0.97	<1	4	10	16	1.73	<10	0.37	339	<1	<0.01	16	650	<2	<5	<20	35	0.02	<10	19	<10	4	43
22	WS T5-9	15	<0.2	1.79	20	425	<5	0.73	<1	14	33	53	3.70	10	0.86	614	1	<0.01	44	940	14	<5	<20	43	0.04	<10	61	<10	15	116
23	WS T5-10	15	<0.2	2.21	20	445	5	0.69	<1	18	41	66	4.44	20	1.05	740	2	<0.01	57	930	20	<5	<20	46	0.04	<10	71	<10	16	144
24	WS T5-11	15	<0.2	1.77	30	480	<5	0.57	<1	14	30	53	3.61	10	0.72	428	2	<0.01	47	1010	16	<5	<20	42	0.03	<10	59	<10	12	131
25	WS T5-12	10	<0.2	1.72	45	645	<5	0.90	<1	13	29	53	3.80	10	0.74	457	2	0.01	45	990	14	<5	<20	56	0.03	<10	58	<10	11	127

13-Sep-00

ICP CERTIFICATE OF ANALYSIS AK 2000-265

TECK EXPLORATION LTD.

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	WS T5-13	<5	<0.2	1.19	5	255	<5	0.52	<1	9	23	26	2.48	<10	0.60	643	<1	<0.01	23	820	4	<5	<20	23	0.06	<10	45	<10	6	60
27	WS T5-14	10	<0.2	0.95	15	230	<5	1.46	<1	8	24	26	2.34	<10	0.62	421	<1	0.01	23	950	2	<5	<20	53	0.06	<10	45	<10	7	45
28	WS T5-15	15	<0.2	1.52	25	400	<5	1.04	<1	10	32	39	3.03	10	0.71	446	<1	0.01	33	570	6	<5	<20	49	0.07	<10	59	<10	11	72
29	WS T5-16	20	<0.2	1.40	30	325	<5	1.31	<1	8	27	53	2.70	10	0.66	284	<1	0.01	30	370	6	<5	<20	55	0.06	<10	53	<10	12	60
30	WS T5-17	10	<0.2	1.04	5	305	<5	3.28	<1	8	20	27	2.47	<10	0.78	426	<1	0.02	23	980	<2	5	<20	99	0.05	<10	49	<10	10	46
31	WS T5-18	150	<0.2	1.18	10	300	<5	2.41	<1	17	29	37	2.80	<10	0.89	535	<1	0.02	33	890	2	10	<20	79	0.06	<10	56	<10	15	59
32	WS T5-19	5	<0.2	1.07	25	355	<5	2.58	<1	4	26	47	2.95	20	0.69	244	<1	0.01	25	700	<2	<5	<20	105	0.05	<10	57	<10	20	85
33	WS T5-20	45	<0.2	0.95	15	395	<5	2.53	<1	4	19	29	2.41	10	0.69	297	<1	0.02	18	840	<2	5	<20	90	0.05	<10	44	<10	9	49
34	WS T5-21	5	<0.2	0.85	75	325	<5	3.87	<1	5	16	40	2.18	20	0.59	254	<1	0.01	20	670	<2	10	<20	111	0.03	<10	34	<10	14	39
35	WS T5-22	5	<0.2	0.93	5	330	<5	4.31	<1	6	18	25	2.21	<10	0.85	416	<1	0.02	22	1000	<2	10	<20	129	0.05	<10	43	<10	10	40
36	WS T5-23	10	<0.2	1.02	10	365	<5	5.26	<1	6	20	31	2.24	<10	1.00	369	<1	0.02	23	910	<2	10	<20	174	0.05	<10	44	<10	9	39
37	WS T5-24	5	<0.2	1.21	10	245	<5	0.73	<1	9	26	41	2.67	10	0.59	385	<1	<0.01	34	980	4	<5	<20	35	0.06	<10	51	<10	18	43

QC DATA:

26-Jul-00

## ICP CERTIFICATE OF ANALYSIS AK 2000-163

TECK EXPLORATION LTD.

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	11508	10	<0.2	0.25	<5	155	<5	0.08	<1	3	63	5	1.10	<10	0.05	430	1	<0.01	5	280	6	<5	<20	72	<0.01	<10	24	<10	4	60
27	11509	15	<0.2	0.11	<5	155	<5	0.05	<1	1	141	6	0.67	<10	<0.01	247	5	<0.01	6	180	26	<5	<20	43	<0.01	<10	7	<10	2	39
28	11510	5	<0.2	0.12	<5	145	<5	0.07	<1	2	130	5	0.92	<10	0.02	206	3	<0.01	7	120	48	<5	<20	25	<0.01	<10	7	<10	3	38
29	11511	10	<0.2	0.22	<5	1125	<5	5.06	<1	<1	99	4	1.37	20	0.15	717	3	<0.01	7	490	10	<5	<20	434	<0.01	<10	39	<10	12	72
30	11512	<5	<0.2	0.08	5	235	<5	>10	<1	<1	66	2	0.71	<10	7.23	375	1	<0.01	2	160	4	45	<20	403	<0.01	<10	16	<10	3	37
31	11513	<5	<0.2	0.31	<5	215	<5	0.39	<1	2	62	7	1.21	10	0.11	329	2	0.02	4	240	10	<5	<20	78	<0.01	<10	23	<10	6	39
32	11514	<5	<0.2	0.26	<5	165	<5	0.20	<1	2	97	3	0.95	10	0.06	325	2	0.02	5	190	8	<5	<20	67	<0.01	<10	15	<10	5	41
33	11515	35	4.6	0.04	10	110	<5	0.02	5	2	179	186	0.90	<10	<0.01	64	5	<0.01	6	<10	1812	10	<20	17	<0.01	<10	2	<10	<1	1104
34	11516	>1000	12.6	0.20	<5	200	<5	1.70	2	3	125	11	1.78	<10	0.10	614	2	<0.01	7	230	294	<5	<20	119	<0.01	<10	28	<10	5	388
35	11517	140	<0.2	0.21	<5	555	<5	1.21	<1	2	78	8	1.46	10	0.08	463	3	0.02	5	400	28	<5	<20	141	0.02	<10	23	<10	12	59
36	11518	360	<0.2	0.16	<5	85	<5	0.36	<1	1	104	7	0.64	10	0.04	144	2	0.02	4	40	10	<5	<20	34	<0.01	<10	8	<10	3	28
37	11519	5	<0.2	0.21	<5	95	<5	0.09	<1	2	84	3	0.90	20	0.04	110	2	0.01	4	170	216	<5	<20	51	<0.01	<10	15	<10	4	148
38	11520	<5	<0.2	0.22	<5	330	5	1.39	<1	4	73	12	1.66	10	0.22	688	3	0.02	6	430	30	<5	<20	356	0.01	<10	28	<10	12	71
39	11521	10	<0.2	0.11	<5	75	<5	0.04	<1	<1	74	17	0.51	<10	<0.01	203	1	0.02	3	120	26	<5	<20	27	<0.01	<10	4	<10	2	30
40	11524	835	14.6	0.08	45	340	<5	0.02	<1	<1	177	288	1.01	<10	<0.01	77	6	<0.01	6	10	1360	<5	<20	10	<0.01	<10	4	<10	<1	170
41	11525	>1000	2.8	0.06	25	350	<5	0.01	<1	<1	180	33	0.74	<10	<0.01	72	3	<0.01	5	20	418	<5	<20	10	<0.01	<10	3	<10	<1	42
42	11526	15	<0.2	0.22	5	75	<5	2.13	<1	2	112	7	0.75	20	0.06	912	4	0.02	4	40	10	<5	<20	216	<0.01	<10	3	<10	10	14
43	11527	10	0.4	0.19	<5	85	<5	0.04	<1	2	86	8	0.71	30	0.03	379	2	0.02	5	60	14	<5	<20	27	<0.01	<10	3	<10	6	19
44	11528	15	<0.2	0.17	<5	55	<5	0.05	<1	1	95	4	0.57	20	0.02	188	3	0.03	3	130	16	<5	<20	22	<0.01	<10	3	<10	3	13
45	11529	25	<0.2	0.27	<5	60	<5	0.15	<1	4	91	6	1.37	20	0.06	223	2	0.02	7	220	16	<5	<20	24	<0.01	<10	11	<10	6	25
46	11530	10	<0.2	0.14	<5	105	<5	0.05	<1	2	124	4	0.88	10	0.01	370	5	0.01	7	190	4	<5	<20	36	<0.01	<10	6	<10	6	19
47	11531	5	<0.2	0.15	<5	125	<5	0.05	<1	2	101	4	1.12	10	0.02	511	3	0.01	6	210	4	<5	<20	35	<0.01	<10	8	<10	7	26
48	14101	10	<0.2	0.01	<5	20	<5	<0.01	<1	<1	206	3	0.30	<10	<0.01	33	7	<0.01	6	<10	<2	<5	<20	3	<0.01	<10	<1	<10	<1	3
49	14102	<5	<0.2	0.05	<5	145	<5	0.07	<1	<1	168	4	0.93	<10	<0.01	50	5	0.05	5	30	12	<5	<20	26	<0.01	<10	<1	<10	<1	5
50	14103	5	<0.2	0.13	15	45	<5	0.15	<1	6	221	7	0.55	<10	0.06	516	7	<0.01	24	70	2	<5	<20	7	<0.01	<10	2	<10	6	42
51	14104 A	<5	0.4	0.12	25	165	<5	0.11	<1	4	152	46	3.07	20	<0.01	88	8	<0.01	42	890	6	<5	<20	63	<0.01	<10	16	<10	23	178
52	14104 B	<5	<0.2	0.11	15	55	<5	0.03	<1	1	195	20	0.73	<10	<0.01	64	7	<0.01	10	310	<2	<5	<20	116	<0.01	<10	6	<10	2	19
53	14105	5	0.2	0.08	<5	275	<5	<0.01	<1	<1	156	7	0.50	<10	<0.01	65	3	<0.01	6	120	<2	<5	<20	12	<0.01	<10	3	<10	1	10
54	14106	10	0.2	0.09	15	215	<5	0.02	<1	1	197	32	0.99	<10	<0.01	53	8	<0.01	17	170	4	<5	<20	12	<0.01	<10	12	<10	1	60
55	14107	5	<0.2	0.19	30	160	<5	0.03	<1	3	131	42	1.18	<10	0.03	70	3	0.03	14	290	8	<5	<20	70	<0.01	<10	9	<10	3	62
56	14108	20	<0.2	0.10	100	125	<5	0.02	<1	<1	224	16	0.61	<10	<0.01	41	8	<0.01	7	100	2	<5	<20	12	<0.01	<10	5	<10	2	7
57	14109	>1000	13.0	0.24	>10000	90	<5	0.15	35	8	125	119	4.33	<10	<0.01	284	8	0.02	12	700	168	275	<20	142	<0.01	<10	23	<10	14	38
58	14110	210	18.0	0.14	45	410	<5	0.02	2	<1	201	1395	1.39	<10	0.02	178	<1	<0.01	7	90	1560	<5	<20	10	<0.01	<10	5	<10	<1	749
59	14111	65	<0.2	0.95	40	95	<5	0.02	1	4	72	247	3.49	30	0.02	228	3	0.02	3	110	290	<5	<20	6	<0.01	<10	4	<10	<1	460
60	14112	95	<0.2	0.27	30	80	<5	0.05	4	3	87	56	1.18	20	0.04	368	<1	0.02	4	130	66	<5	<20	18	<0.01	<10	7	<10	6	961



ECO-TECH LABORATORIES LTD.  
10041 Dallas Drive  
KAMLOOPS, B.C.  
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2000-270

TECK EXPLORATION LTD.  
#350-272 VICTORIA STREET  
KAMLOOPS, B.C.  
V2C 2A2

Phone: 250-573-5700  
Fax : 250-573-4557

ATTENTION: Jean Pautler

No. of samples received: 13  
Sample Type: Rock  
Project #: 1765-W  
Shipment #: None Given  
Samples submitted by: J. Pautler

Values in ppm unless otherwise reported

White

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn	
m sed	1	13977 T <sub>3</sub>	245	<0.2	0.16	545	265	<5	0.07	<1	<1	149	24	1.38	<10	0.02	110	3	<0.01	7	180	2	60	<20	27	<0.01	<10	6	<10	2	27
2. sil	2	13978	10	<0.2	0.16	30	70	<5	0.04	<1	1	94	20	0.87	<10	0.02	68	3	0.04	9	120	6	<5	<20	27	<0.01	<10	15	<10	1	25
qtz	3	13979	5	<0.2	0.05	10	25	<5	<0.01	<1	<1	217	15	0.69	<10	0.01	57	4	<0.01	7	50	<2	<5	<20	6	<0.01	<10	6	<10	<1	16
m sed	4	13980	70	0.2	0.16	420	200	<5	0.04	<1	<1	181	14	0.99	10	0.01	56	5	<0.01	6	320	2	10	<20	22	<0.01	<10	6	<10	2	22
n sed bedrock	5	13981 T <sub>1</sub>	10	0.2	0.22	60	165	<5	0.04	<1	2	233	25	1.49	10	0.03	81	7	<0.01	10	240	2	<5	<20	19	<0.01	<10	11	<10	1	26
2. rusty	6	13982 T <sub>2</sub>	10	<0.2	0.19	25	85	<5	0.05	<1	2	99	22	1.00	<10	0.03	62	3	0.04	14	180	8	<5	<20	25	<0.01	<10	17	<10	2	29
2. hem	7	13983	5	<0.2	0.15	60	90	<5	0.05	<1	4	153	20	1.50	<10	0.01	124	3	0.04	11	190	4	<5	<20	24	0.04	<10	20	<10	4	20
qtz	8	13984	55	<0.2	0.05	160	160	<5	0.01	<1	<1	239	12	0.87	<10	<0.01	68	6	<0.01	7	110	<2	<5	<20	9	<0.01	<10	2	<10	<1	12
a. m sed	9	13985	230	0.4	0.14	1055	250	<5	0.07	<1	3	160	31	2.79	<10	<0.01	189	6	0.02	12	480	<2	40	<20	47	<0.01	<10	19	<10	<1	36
qtz	10	14247 T <sub>1</sub>	20	<0.2	0.03	45	110	<5	<0.01	<1	<1	225	8	0.42	<10	<0.01	44	5	<0.01	6	40	<2	<5	<20	3	<0.01	<10	1	<10	<1	6
qtz	11	14248	10	<0.2	0.03	80	215	<5	<0.01	<1	<1	191	12	0.72	<10	<0.01	71	4	<0.01	5	90	<2	<5	<20	8	<0.01	<10	3	<10	<1	8
qtz	12	14249 1.36	>1000	0.2	0.05	225	115	<5	0.01	<1	<1	190	9	0.62	<10	<0.01	50	3	<0.01	5	70	<2	<5	<20	12	<0.01	<10	2	<10	<1	8
sil m sed	13	14250 7.77	>1000	3.6	0.12	3760	430	<5	0.06	<1	<1	163	37	1.34	<10	<0.01	140	4	<0.01	7	170	144	100	<20	35	<0.01	<10	8	<10	4	16
<b>QC DATA:</b>																															
<b>Resplit:</b>																															
1	13977		240	<0.2	0.14	580	265	<5	0.06	<1	<1	156	22	1.41	<10	<0.01	110	4	<0.01	7	170	2	60	<20	27	<0.01	<10	6	<10	<1	27
<b>Repeat:</b>																															
1	13977		260	<0.2	0.14	580	265	<5	0.06	<1	<1	149	20	1.36	<10	<0.01	117	3	<0.01	6	170	4	60	<20	26	<0.01	<10	6	<10	<1	26
<b>Standard:</b>																															
GEO'00			110	1.4	1.61	75	155	5	1.52	<1	18	58	85	3.54	<10	0.87	663	<1	0.02	24	690	22	<5	<20	53	0.10	<10	71	<10	10	77

dlf/278a  
XLS/00Teck  
fax: 372-1285

ECO-TECH LABORATORIES LTD.  
Frank J. Pezzotti, A.Sc.T.  
B.C. Certified Assayer

**CERTIFICATE OF ASSAY AK 2000-270**

TECK EXPLORATION LTD.  
#350-272 VICTORIA STREET  
KAMLOOPS, B.C.  
V2C 2A2

#####

ATTENTION: JEAN PAUTLER

No. of samples received: 13  
Sample Type: Rock  
Project #: 1765-W  
Shipment #: None Given  
Samples submitted by: J. Pautler

White

ET #.	Tag #	Au (g/t)	Au (oz/t)	
12	14249	1.36	0.040	
13	14250	7.77	0.227	lots small pieces of talus of stringered, sil. metasid.

**QC DATA:**

Standard:  
MED STD                      1.83    0.053

**ECO-TECH LABORATORIES LTD.**  
Frank J. Pezzotti, A Sc T  
B C Certified Assayer

XLS/00Teck  
fax: @ 372-1285

26-Jul-00

ECO-TECH LABORATORIES LTD.  
10041 Dallas Drive  
KAMLOOPS, B.C.  
V2C 6R4

ICP CERTIFICATE OF ANALYSIS AK 2000-163

TECK EXPLORATION LTD.  
#350-272 VICTORIA STREET  
KAMLOOPS, B.C.  
V2C 2A2

Phone 250-573-5700  
Fax 250-573-4557

ATTENTION: J. Pautler

No. of samples received: 84

Sample Type: Rock

Project #: 1765-T

Shipment #: 5

Samples submitted by: J. Pautler

Values in ppm unless otherwise reported

El #	Tag #	Au(ppb)	Ag	Al%	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	WR 1	15	<0.2	1.98	<5	135	10	0.34	<1	13	120	79	3.83	<10	1.60	360	<1	0.06	17	210	12	10	<20	14	0.08	<10	83	<10	3	29
2	WR 2	20	<0.2	0.29	285	280	<5	0.31	1	<1	153	61	2.01	<10	0.02	55	3	<0.01	23	2740	4	<5	<20	52	<0.01	<10	30	<10	31	119
3	WR -7-11	10	<0.2	0.03	<5	20	<5	0.01	<1	1	180	8	0.42	<10	<0.01	39	<1	<0.01	6	50	<2	<5	<20	3	<0.01	<10	2	<10	<1	5
4	11427	>1000	8.4	0.04	20	150	10	<0.01	1	2	211	41	1.17	<10	<0.01	57	3	<0.01	8	10	514	<5	<20	8	<0.01	<10	3	<10	<1	282
5	11443	10	<0.2	0.12	<5	330	<5	5.60	<1	8	88	16	3.73	<10	0.13	1422	3	0.01	7	170	28	<5	<20	132	<0.01	<10	60	<10	3	125
6	11444	15	<0.2	0.51	<5	395	15	>10	1	12	35	12	5.66	20	0.69	2743	4	0.02	6	270	26	<5	<20	1423	<0.01	<10	177	<10	10	334
7	11445	5	<0.2	0.14	<5	210	<5	2.19	<1	3	104	6	1.78	20	0.82	845	4	0.02	6	260	12	10	<20	575	<0.01	<10	51	<10	11	60
8	11446	>1000	0.8	0.15	<5	55	<5	0.06	<1	1	150	18	0.50	<10	0.04	192	4	<0.01	5	30	234	<5	<20	10	<0.01	<10	13	<10	<1	55
9	11447	25	0.2	0.16	<5	85	<5	0.07	<1	2	130	9	0.71	<10	0.02	120	4	0.02	4	130	100	<5	<20	16	<0.01	<10	6	<10	2	83
10	11448	135	0.4	0.13	<5	70	<5	0.03	<1	<1	73	16	0.71	20	0.01	70	1	0.03	2	60	98	<5	<20	18	<0.01	<10	2	<10	3	46
11	11449	15	<0.2	0.41	<5	170	<5	1.48	<1	3	97	17	1.50	<10	0.10	522	4	<0.01	6	190	58	<5	<20	119	<0.01	<10	19	<10	5	88
12	11494	175	13.6	0.31	10	115	<5	0.09	5	7	106	182	3.16	10	0.05	456	2	0.02	5	210	8048	<5	<20	24	<0.01	<10	19	<10	5	2856
13	11495	145	<0.2	0.20	5	105	<5	0.47	<1	2	163	16	1.14	<10	0.08	378	6	<0.01	4	50	58	<5	<20	8	<0.01	<10	6	<10	2	100
14	11496	30	<0.2	0.75	10	245	<5	0.15	<1	6	121	46	2.21	<10	0.27	559	3	0.02	5	250	102	<5	<20	13	<0.01	<10	15	<10	7	170
15	11497	25	<0.2	0.40	10	685	<5	0.53	<1	3	132	8	2.57	10	0.09	903	6	0.01	5	170	16	<5	<20	27	<0.01	<10	11	<10	13	43
16	11498	5	<0.2	0.98	10	255	<5	0.17	2	8	84	12	2.67	10	0.50	787	2	0.02	3	300	30	<5	<20	21	0.03	<10	33	<10	13	216
17	11499	90	1.0	0.87	10	195	<5	0.19	7	8	93	96	2.62	10	0.33	628	4	0.02	5	340	308	<5	<20	16	<0.01	<10	27	<10	10	1913
18	11500	90	3.4	0.69	20	220	<5	0.13	3	5	102	194	2.00	10	0.25	547	2	0.01	5	320	1412	<5	<20	21	<0.01	<10	19	<10	5	1410
19	11501	10	<0.2	0.24	<5	915	5	5.01	<1	3	55	6	2.49	10	1.48	859	3	0.01	7	400	20	15	<20	1141	<0.01	<10	62	<10	12	121
20	11502	80	<0.2	0.18	<5	270	<5	9.35	3	3	63	3	1.33	40	0.23	1060	1	<0.01	6	420	50	<5	<20	1624	<0.01	<10	19	<10	21	1493
21	11503	10	<0.2	0.21	<5	465	<5	1.65	<1	3	74	8	1.69	20	0.06	443	3	0.02	8	360	8	<5	<20	133	<0.01	<10	21	<10	7	60
22	11504	55	<0.2	0.28	<5	425	<5	0.39	<1	<1	78	7	1.05	20	0.07	360	2	<0.01	6	330	8	<5	<20	122	<0.01	<10	24	<10	8	49
23	11505	35	<0.2	0.17	<5	115	<5	0.05	<1	3	77	7	1.19	10	0.02	262	3	0.02	6	140	10	<5	<20	38	<0.01	<10	13	<10	3	30
24	11506	30	<0.2	0.19	<5	395	<5	0.23	<1	2	70	9	1.33	10	0.04	454	2	0.01	8	270	10	<5	<20	68	<0.01	<10	20	<10	8	46
25	11507	5	<0.2	0.17	<5	200	<5	0.20	<1	2	105	14	0.94	10	0.02	389	4	<0.01	6	310	14	<5	<20	72	<0.01	<10	13	<10	5	57

001

TECK-KAM

ECO-TECH KAM

2505734557

08:08

07/27/00

## APPENDIX IV

### STATEMENT OF QUALIFICATION

I, Jean Marie Pautler, do hereby certify that:

I am a geologist with more than twenty years of experience.

I am a graduate of Laurentian University, Sudbury, Ontario with an Honours B.Sc. degree in geology (May, 1980).

I am a Professional Geoscientist, registered in the province of British Columbia.

I supervised and implemented the 2000 exploration program on the White property between July 10 and August 25, 2000.

I have no direct or indirect interest in the White property, which is the subject of this report.

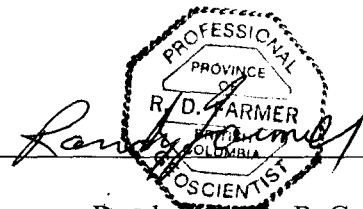
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Jean Pautler, P.Geol.

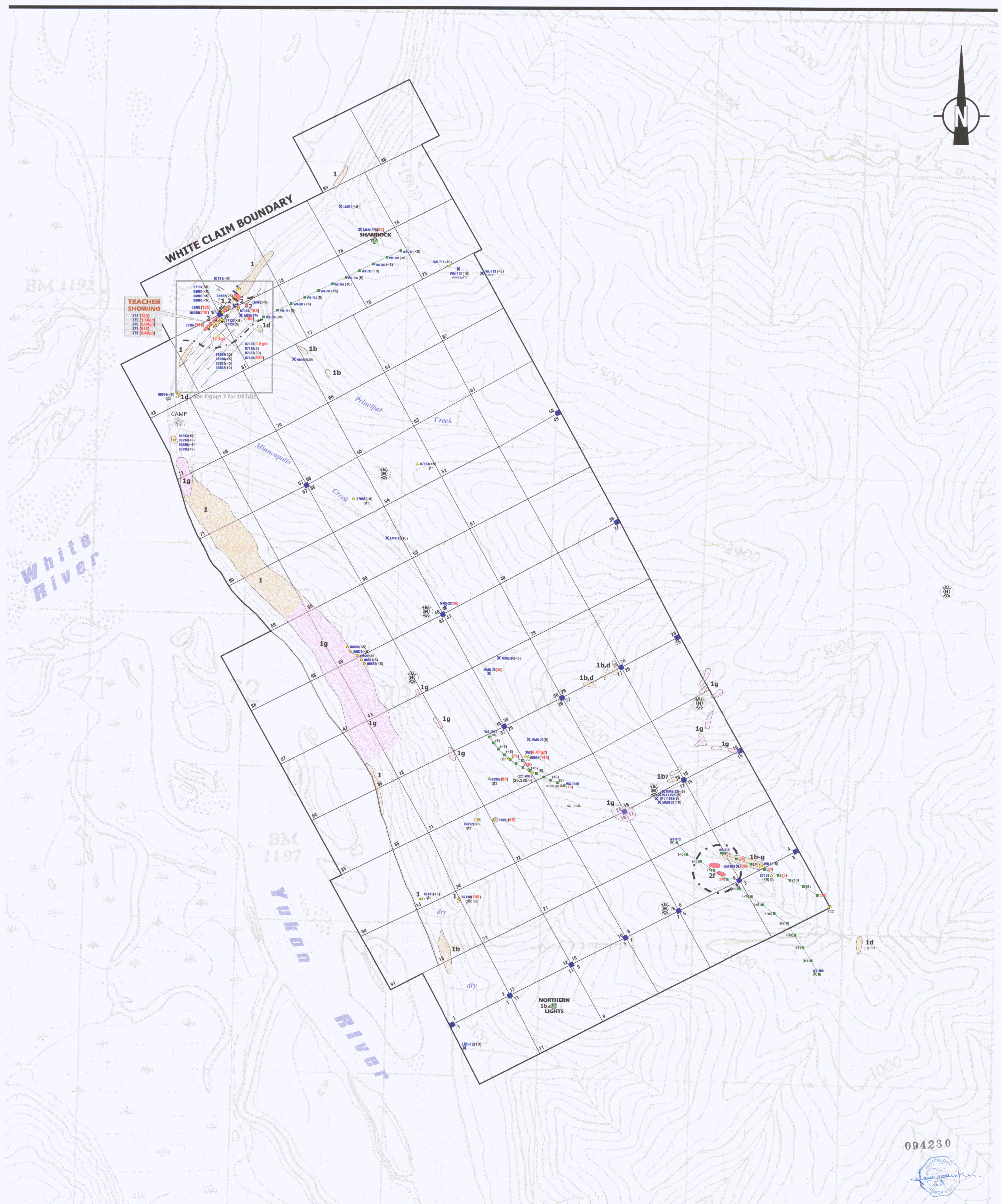
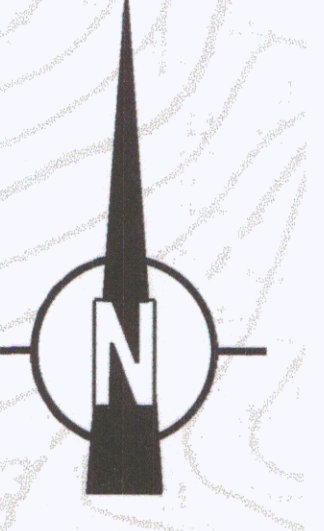
JP Exploration Services Inc.

I, Randy Farmer, do hereby certify that:

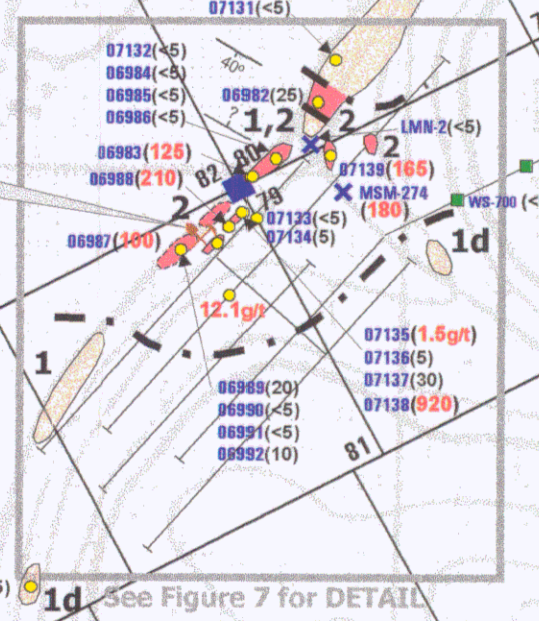
- 1) I am a geologist and have practised my profession for more than 20 years.
- 2) I graduated from Lakehead University in Thunder Bay, Ontario with an Honours Bachelor of Science degree, (Geology), in 1980.
- 3) I oversaw the exploration program on the White Property, and reviewed the data and results contained herein, and reviewed the report written by J. Pautler contained herein.
- 4) All data contained within this report and conclusions drawn from it are true and accurate to the best of my knowledge.
- 5) I hold no personal interest, direct or indirect, in the White Property or its results, which is the subject of this report.
- 6) I am a Professional Geoscientist registered in the Province of British Columbia (Registration No. 20192).



Randy Farmer, P. Geo.  
District Manager, Kamloops  
April, 2001



**TEACHER SHOWING**  
 374 (130)  
 375 (1.54gr)  
 376 (8.54gr)  
 377 (9.15)  
 378 (4.49gr)



See Figure 7 for DETAILS



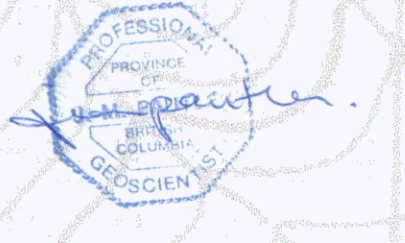
LEGEND	SYMBOLS	
<b>CRETACEOUS - TERTIARY</b>	Sample No. 08080 (210) Au ppb	○ Outcrop
2 Granite	▲ Rock Sample in place, float	○ Subcrop
2f Megacrystic feldspar porphyry	● Soil Sample	▲ Float
<b>PROTEROZOIC and/or PALEOZOIC</b>	✕ Stream Sediment Sample	— Geological Contact
1 Metamorphic Rocks	○ Minifile Occurrence	qtz quartz
1b Paragneiss	● Actual Claim Post Locations	gfc graphitic
1d Quartzite		bx breccia
1g Amphibolite gneiss minor garnet, pyroxene		

**TECK EXPLORATION LTD.**  
 KAMLOOPS, BRITISH COLUMBIA

**WHITE PROPERTY  
 GEOLOGY and  
 GEOCHEMISTRY**

BY: JEAN PAUTLER    SCALE: 1:10,000    NTS No: 115 O    FIGURE No: 4  
 DRAWN BY: S.A.    DATE: SEPT. 20, 2000    JOB No: 176800

094230





Yukon River

**TEACHER SHOWING**

374 (130)  
375 (1.88g/t)  
376 (5.84g/t)  
377 (915)  
378 (4.46g/t)

Baseline 310°

Principal

MS-M274 (180)

2 q str

14102 (<5, <0.2, <5)  
cl alt

14101 (10, <0.2, <5)  
qtz

Creek

2000 L.2 extension  
2000 L.5 addition

094230

7135 (1.5g/t)  
7138 (920)  
8998  
8990  
14103 (5, <0.2, 15)  
2 cl alt, q str  
1 Gn

14108 (20, <0.2, 100)  
qtz  
14109 (12.15g/t, 13.0, >10,000)  
1 Gn, sil

See Figure 8

14106 (10, 0.2, 15) q str  
14107 (5, <0.2, 30) Gn

MAGNETIC HIGH

14104 (<5, 0.5, 25)  
Gn, qtz, lim

14105 (5, 0.2, <5)  
Qte, py

2000 L.1 extension  
rusty Qte

**LEGEND**

CRETACEOUS - TERTIARY

**2** Granite porphyry

PROTEROZOIC and/or PALEOZOIC

**1** Metasedimentary rocks; includes Qte quartzite, Gn gneiss, Sch schist

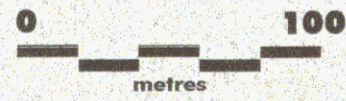
Sample no. Au ppb Ag ppm As ppm  
14108 (20, <0.2, 100)

●▲ Rock Sample in place, float  
✕ Stream Sediment Sample  
○ Outcrop  
◌ Subcrop  
▲ Float  
— Geological Contact  
sil silicified  
cl. alt clay altered  
q str quartz stringers  
lim limonite

PROF. J. M. PAPANTON  
BRITISH COLUMBIA  
GEOLOGICAL SURVEY

TECK EXPLORATION LTD.  
KAMLOOPS, BRITISH COLUMBIA

WHITE PROPERTY, Yukon  
GRID **GEOLOGY and GEOCHEMISTRY**



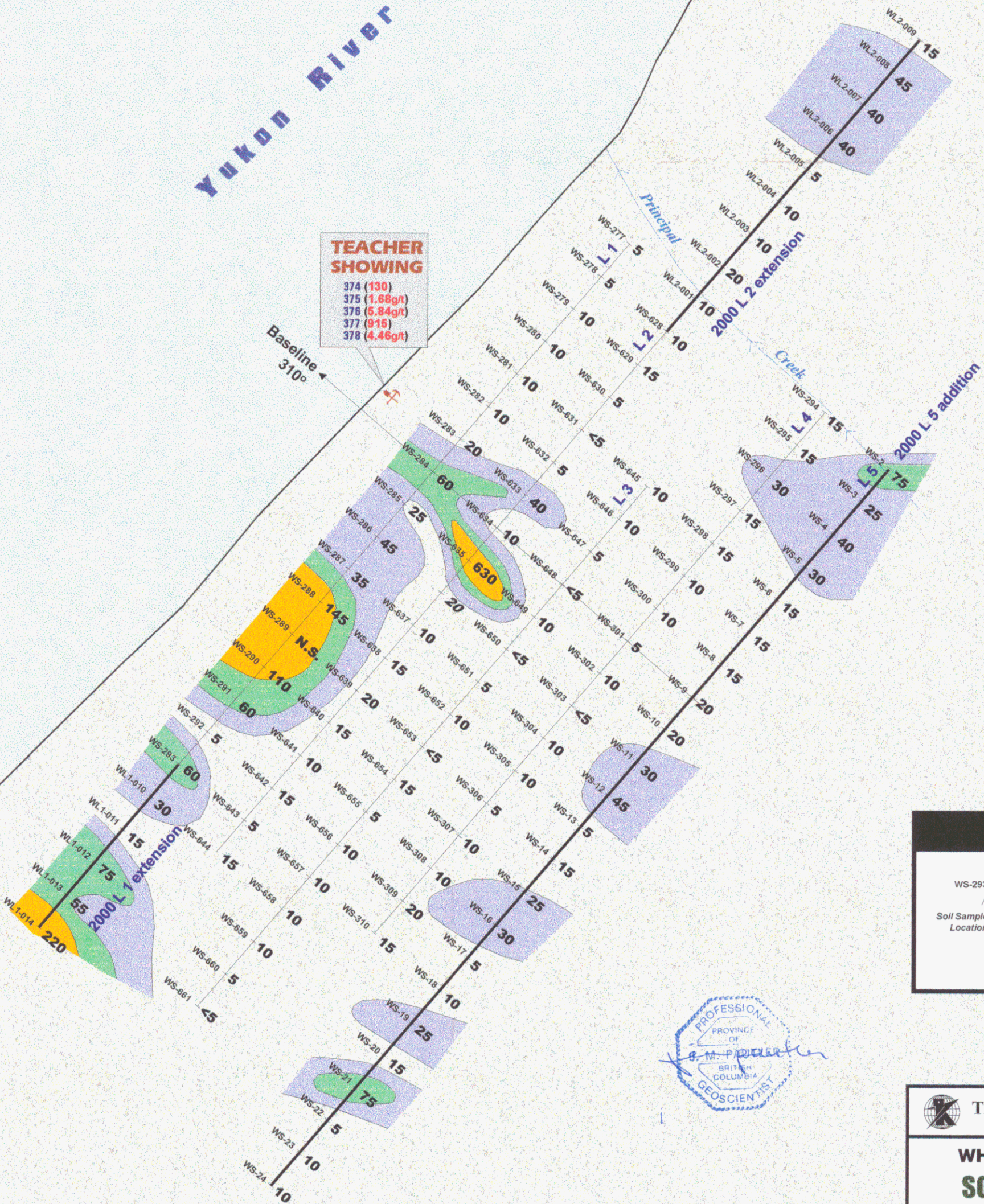


**Yukon River**

**TEACHER SHOWING**

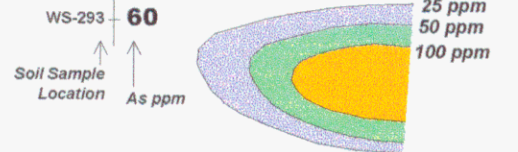
- 374 (130)
- 375 (1.68g/t)
- 376 (5.84g/t)
- 377 (915)
- 378 (4.46g/t)

Baseline  
310°



094230

**LEGEND**



**TECK EXPLORATION LTD.**  
KAMLOOPS, BRITISH COLUMBIA

**WHITE PROPERTY, Yukon**  
**SOIL GEOCHEMISTRY**  
**As ppm**



Yukon River

**TEACHER SHOWING**

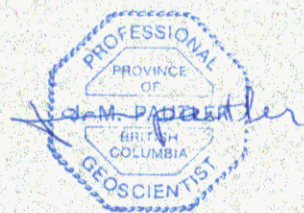
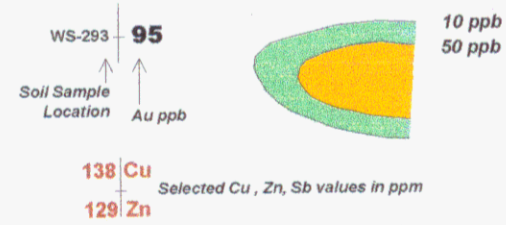
374 (130)  
375 (1.68g/t)  
376 (6.84g/t)  
377 (915)  
378 (4.46g/t)

Baseline  
310°



0.4230

**LEGEND**



TECK EXPLORATION LTD.  
KAMLOOPS, BRITISH COLUMBIA

**WHITE PROPERTY, Yukon**  
**SOIL GEOCHEMISTRY**  
**Au ppb**

