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GEOLOGICAL REPORT

on the

BOOTLEG PROPERTY

Fort Steele Mining Division, Southeastern British Columbia

N.T.S. 82F/09E

Latitude 49° 40' N, Longitude 116° 08 W

Prepared for :

EAGLE PLAINS RESOURCES LTD.

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MINING DIVISION BRANCH
VANCOUVER

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SUMMARY

The Bootleg Claim Group, consisting of 126 MSG and 2P claim units, were staked beginning in January 1996 to cover prospective Aldridge Formation stratigraphy proximal to the Sullivan Deposit. The claims overlie Lower-Middle-Upper Aldridge sediments on the south-west and north-east side of Matthew Creek and were covered by a 1995 B.C. Government sponsored Airborne Geophysical Survey. The claims are held 100% by Eagle Plains Resources Ltd., based in Cranbrook, B.C.

A \$14,992.97 field program, based on conclusions and recommendations from past work, was carried out on the Bootleg Claim Group between September 01 and October 12, 1999. Field work included contour soil geochemical sampling and geological mapping. Further work is recommended to evaluate the Bootleg Claims for Sullivan type sedimentary-exhalitive mineralization.

LOCATION AND ACCESS

The Bootleg property is located within the Fort Steele Mining Division, within NTS mapsheet 82F/09E at 49° 40' North Latitude and 116° 08' West longitude (UTM 5503000N/562650E).(see Location Map; Figure 1, following). It is situated 13 km by road from Kimberley, B.C. and is accessed by seasonally-maintained Forest Service roads.

The southwest-northeast trending claim group consists of 126 MGS and 2P units which straddle the east-west oriented Bootleg Mountain with the center of the claims located 6.8 km north of the St. Mary River and west of Matthew Creek. Drainages on the eastern and north eastern part of the property drain into Matthew Creek, while drainages on the south-western part of the property flow south into the St. Mary River. Four Wheel drive-ATV access to the Boot 2 claim is provided via the Bootleg Forest Service road which branches off the main, paved surface, St. Mary River road 7.5 km east of St. Mary Lake. The north-eastern part of the claims are bisected by the Matthew Creek Forest Service Road.

Elevations within the property range from 1100m (3600') to 2600m (8500'). The property is subjected to moderate precipitation, and is free of snow from June to October. The lower parts of the property are forested with largely second growth Pine and Hemlock, with approximately 2/3 of the Boot 3 claim block logged within the last 4 years. The upper elevations on the property have sparse stands of mature Larch. The Boot 6 claim block has been approximately 1/3 denuded by a forest fire.

The Bootleg Claim group has an excellent location with respect to mining infrastructure. Cominco LTD.'s Sullivan Mine and concentrator facility (including concentrate loading and shipping via rail to the Cominco smelter in Trail, B.C.) are located approximately 7km north east of the claims. A paved road and hydroelectric powerline are located approximately 3.5 km south of the claim group. There also exist local well-established mining support industries in both Cranbrook and Kimberley. The southern and central part of the BL claims are covered by a cutting permit held by Crestbrook Forest Industries and the area is scheduled for logging in 2000-2001. As part of the permit, access roads will be constructed on the property.

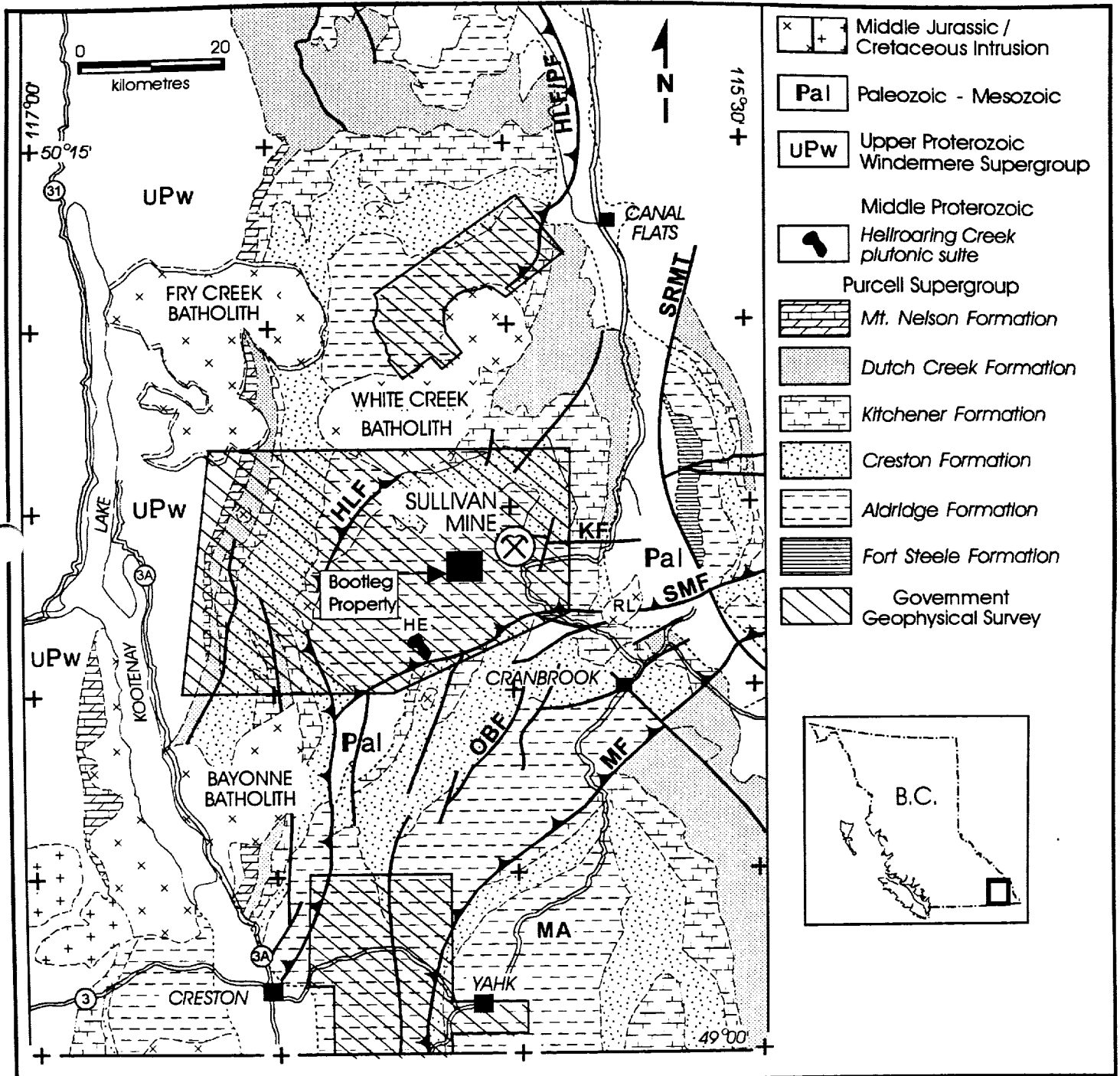


Figure 1 - Bootleg Project- Regional Geology and Property Location Map

PROPERTY TENURE

The Bootleg Claim Group consists of four 20-unit MGS claim blocks named the Boot 1,2,5,6 and 46 1- unit 2 post claim blocks, named the BL 1 - 46, for a total of 126 units. The initial claims were located in January, 1996. Claim boundaries and post locations are shown on Fig. 2, in pocket. The claims are held 100% by Eagle Plains Resources.

A summary of tenure information is provided below:

<u>Claim Name</u>	<u>Record No.</u>	<u>Claim Type</u>	<u>No of Units</u>	<u>Recording Date</u>	<u>Expiry Date*</u>
BOOT 1	342999	MGS	20	January 16, 1996	November 20, 2000
BOOT 2	343000	MGS	20	January 16, 1996	November 20, 2000
BOOT 5	366826	MGS	20	October 24, 1998	November 20, 2000
BOOT 6	366827	MGS	20	October 25, 1998	November 20, 2000
BL1	366828	2P	1	October 22, 1998	November 20, 2000
BL2	366829	2P	1	October 22, 1998	November 20, 2000
BL3	366830	2P	1	October 22, 1998	November 20, 2000
BL4	366831	2P	1	October 22, 1998	November 20, 2000
BL5	366832	2P	1	October 22, 1998	November 20, 2000
BL6	366833	2P	1	October 22, 1998	November 20, 2000
BL7	366834	2P	1	October 22, 1998	November 20, 2000
BL8	366835	2P	1	October 22, 1998	November 20, 2000
BL9	366836	2P	1	October 22, 1998	November 20, 2000
BL10	366837	2P	1	October 22, 1998	November 20, 2000
BL11	366838	2P	1	October 22, 1998	November 20, 2000
BL12	366839	2P	1	October 22, 1998	November 20, 2000
BL13	366840	2P	1	October 22, 1998	November 20, 2000
BL14	366841	2P	1	October 22, 1998	November 20, 2000
BL15	366842	2P	1	October 22, 1998	November 20, 2000
BL16	366843	2P	1	October 22, 1998	November 20, 2000
BL17	366844	2P	1	October 24, 1998	November 20, 2000
BL18	366845	2P	1	October 24, 1998	November 20, 2000
BL19	366846	2P	1	October 24, 1998	November 20, 2000
BL20	366847	2P	1	October 24, 1998	November 20, 2000
BL21	366848	2P	1	October 24, 1998	November 20, 2000
BL22	366849	2P	1	October 24, 1998	November 20, 2000
BL23	366850	2P	1	October 24, 1998	November 20, 2000
BL24	366851	2P	1	October 24, 1998	November 20, 2000
BL25	366852	2P	1	October 24, 1998	November 20, 2000
BL26	366853	2P	1	October 24, 1998	November 20, 2000
BL27	366854	2P	1	October 24, 1998	November 20, 2000

(Claim status continued)

<u>Claim Name</u>	<u>Record No.</u>	<u>Claim Type</u>	<u>No of Units</u>	<u>Recording Date</u>	<u>Expiry Date*</u>
BL28	366855	2P	1	October 24, 1998	November 20, 2000
BL29	366856	2P	1	October 24, 1998	November 20, 2000
BL30	366857	2P	1	October 24, 1998	November 20, 2000
BL31	366858	2P	1	October 24, 1998	November 20, 2000
BL32	366859	2P	1	October 24, 1998	November 20, 2000
BL33	366860	2P	1	October 24, 1998	November 20, 2000
BL34	366861	2P	1	October 24, 1998	November 20, 2000
BL35	366862	2P	1	October 24, 1998	November 20, 2000
BL36	366863	2P	1	October 24, 1998	November 20, 2000
BL37	366864	2P	1	October 24, 1998	November 20, 2000
BL38	366865	2P	1	October 24, 1998	November 20, 2000
BL39	366866	2P	1	October 24, 1998	November 20, 2000
BL40	366867	2P	1	October 25, 1998	November 20, 2000
BL41	366868	2P	1	October 25, 1998	November 20, 2000
BL42	366869	2P	1	October 25, 1998	November 20, 2000
BL43	366870	2P	1	October 25, 1998	November 20, 2000
BL44	366871	2P	1	October 25, 1998	November 20, 2000
BL45	366872	2P	1	October 25, 1998	November 20, 2000
BL46	366873	2P	1	October 25, 1998	November 20, 2000

TOTAL :126 units

*expiry date after assessment filed

REGIONAL ECONOMIC HISTORY

The East Kootenay area has long been known as a mineral resource-rich area, with numerous mineral showings documented over the years. The turn of the century discovery of Cominco's world-class Sullivan deposit near the present city of Kimberley, put the area into focus with mineral explorationists world-wide. The Sullivan massive sulphide ore body hosted 180,000,000 tons of ore averaging 6.5% zinc, 6.4% lead and 1.90 oz/t silver, with a mineable lifetime of over 100 years, and a contained metal value in present dollars estimated to be in excess of 25 billion dollars. The Sullivan Mine is scheduled to close in January, 2001.

Numerous other past-producers in the area reflect the excellent mineralogic potential of the region. These include:

- 1) St. Eugene Mine (1899-1929) - 1.63 million tons grading approximately 8% lead, 1% zinc, 4.4 oz/t silver
- 2) Estella Mine (1951-1967) - 120,000 tons grading 4.8% lead, 9.0% zinc, 6.4 oz/t silver
- 3) Kootenay King Mine (1952-1953) - 14,616 tons grading 5.3% lead, 15.1% zinc, 1.94 oz/t silver.

The area is also well known for the presence of once-rich placer gold deposits, though no economic hard-rock gold concentrations have yet been located. The Wildhorse River, located approximately 30 km east of the Bootleg Group, saw frenzied placer mining activity beginning in 1864, with over 1,500,000 ounces of gold extracted from its gravels. Placer mining operations are still in place along the river.

PROPERTY HISTORY

The initial claims on the Bootleg property were staked in 1996 and a two-day geological reconnaissance program consisting of stream sediment sampling and prospecting was undertaken on the Bootleg Claims in August 1996. The \$6300.00 program outlined a Cu-Zn stream silt anomaly in a drainage located on the Boot 2 claim block and a follow up program of geological mapping, prospecting and soil sampling was recommended.

Field work on the Bootleg Claims during the 1997 and 1998 field seasons totalled \$12,101.65. Prospecting, soil sampling, silt sampling and minor geological mapping were carried out with a total of 62 samples collected. Geochemical results confirmed the presence of elevated base metal levels within prospective Aldridge Formation stratigraphy. Mapping also located a fragmental unit within the claim boundaries, which can be indicative of proximity to a hydrothermal vent facies. Further work was recommended. The program was funded by the Eagle Plains Resources/Miner River Resources joint venture.

GEOLOGY

REGIONAL GEOLOGY AND SULLIVAN DEPOSIT OVERVIEW (Schroeter; 1997)

The Proterozoic Purcell Supergroup in southeastern British Columbia constitutes a thick prism of dominantly clastic sediments exceeding 10,000 metres in thickness with the base unexposed. Earliest known sedimentation are Fort Steele Formation fluvial/deltaic sequences of quartz arenite, quartz wacke and mudstone at least 200 metres thick. Fine-grained elastic beds at the top of the formation grade into very rusty-weathering, fine-grained quartz wacke and mudstone of the Aldridge Formation (1433 Ma +/- 10 Ma), at least 5000 metres thick in the Purcell Mountains. The Aldridge Formation grades upward over 300 metres through a sequence of carbonaceous mudstone with minor beds of grey and green mudstone and fine-grained quartz wacke to the 1800 metre thick Creston Formation, composed of grey, green and maroon quartz wacke and mudstone with minor white arenite. Conformably overlying the Creston Formation are 1200 metres of green and grey dolomitic mudstone, buff-weathering dolomite and minor quartz arenite of the Kitchener Formation. The Kitchener is in turn overlain by 200 to 400 metres of green, slightly dolomitic and calcareous mudstone of the Siyeh Formation. Although poorly defined in the Purcell Mountains west of the Rocky Mountain Trench, the Siyeh is readily recognized in the Rocky Mountains and is conformably and locally unconformably overlain by 0 to 500 metres of basaltic to andesitic flows of the Purcell Lava (1075 Ma) which are taken to mark the close of Lower Purcell sedimentation (1075 to 1500 Ma). To the northwest and west in the Purcell Mountains, the Purcell Lava is only sparsely represented by weathered tuffaceous beds.

Resting with apparent conformity on the Lower Purcell rocks are about 1200 metres of grey to dark grey, calcareous and dolomitic mudstone and minor quartz wacke of the Dutch Creek Formation. This formation is overlain by about 1000 metres of grey, green and maroon mudstone and calcareous mudstone of the Mount Nelson Formation. The close of Purcell sedimentation is marked by folding during the East Kootenay Orogeny (825 to 900 Ma) and disruption of the basin by large-scale vertical faults concurrent with deposition of basal sedimentary rocks of the Windermere Supergroup.

Middle Proterozoic igneous activity in the Purcell sedimentary basin is dominated by intrusion of gabbroic sills of two ages. The oldest are the Moyie Intrusions which are most common in the Aldridge Formation. Sills and slightly discordant sheets predominate; locally, however, dykes and step-like discordant sheets are abundant near Kimberley. Gabbroic sills can aggregate 2000 metres of thickness in a typical Aldridge section and are most abundant in the lower part of the section. The youngest event of gabbro intrusion is thought to be comagmatic with the Purcell Lavas, and is represented by abundant sills in the upper part of the Creston Formation, and in the Kitchener and Siyeh formations. The pegmatitic Hellroaring Creek stock (Middle Proterozoic) and related satellites intrude metamorphosed and deformed Aldridge sedimentary rocks and Moyie Intrusions sills, in an area about 15 kilometres southwest of the Sullivan mine. A pair of major sills, commonly separated by a hornfelsed, iron-sulfide rich package of sediment termed "granophyre", occurs regionally at the top of the Lower Aldridge from Perma, Montana (Buckley and Sears, in press) to the Sullivan area (Hamilton et al., 1983).

A group of two major and several smaller sills comprises the upper Moyie sill complex within the middle of the Middle Aldridge, separated from the sills marking the Lower-Middle contact by up to 1200 m of stratigraphy (Hoy et al., in prep.). These sills may be indications of a second pulse of magmatic and hydrothermal activity that affected the Middle Aldridge sediments regionally.

Lower Purcell sedimentary rocks have undergone metamorphism to at least greenschist facies. There is a general increase in metamorphic grade with depth in the stratigraphic pile; minor areas of amphibolite facies are restricted to the cores of fold structures displaying large magnitude structural relief.

Purcell rocks are folded about north trending axes to form the Purcell Anticlinorium. Folds comprising the large structure are open and gentle with north plunging axes. Some folds are overturned to the east and some display axial plane schistosity. Large areas within the anticlinorium have nearly flat-lying strata. Major faults with a history of complex movement disrupt the Purcell terrain and separate large regions further disrupted by block faulting. Two of these major faults, the Moyie and St. Mary faults, pass south of Kimberley and throughout much of their extent have a northerly trend, but then abruptly arc to the east into the Rocky Mountain Trench. Both of these faults repeat Lower Purcell strata on their north and west, upthrown sides. The Sullivan orebody occurs on the east side of this regional structure, on the east limb of an open anticline. The Middle Proterozoic Aldridge Formation (Purcell Supergroup- Lower Purcell

Group), has the characteristics of a flysch sequence at least 3800 metres thick. It is composed of a monotonous and repetitious sequence of alternating beds of very fine-grained quartz wacke and mudstone and lesser amounts of very fine- to coarse-grained quartz arenite. The Aldridge Formation is metamorphosed to middle to upper greenschist facies. The Aldridge Formation in the Purcell Mountains has been divided into three map units; the Lower, Middle and Upper Aldridge. Lower Aldridge sedimentary rocks (at least 1500 metres thick - base not exposed) are composed of a rhythmic succession of thin to medium-bedded, typically graded beds of very fine-grained quartz wacke. Interbedded with the rhythmic sequence of graded beds are laminated sequences of mudstone ranging from a few millimetres to several metres thick. Laminae and discontinuous blebs of pyrrhotite emphasize layering in the laminated mudstone and weathering of the pyrrhotite imparts a conspicuous rusty colour to outcrops. Massive to poorly bedded, elongate lenses of intraformational conglomerate occur locally near the top of the Lower Aldridge. The Middle Aldridge (2000 metres thick) is marked by the appearance of distinctive graded arenaceous beds whose lighter weathering colours contrast sharply with the rusty weathering Lower Aldridge.

Thinly bedded, rusty weathering rocks similar to those in Lower Aldridge sequences are interbedded with thicker, graded arenites but are definitely subordinate. The graded arenaceous rocks are mostly turbidites. Thin bedded to laminated carbonaceous mudstone becomes the dominant lithology of the 300 metre thick Upper Aldridge. The contact between the Middle and Upper Aldridge is gradational over stratigraphic thicknesses ranging from a few to tens of metres. Disseminated grains and blebs of pyrrhotite aligned along bedding occur in places in carbonaceous mudstone of the Upper Aldridge and here the rock is rusty weathering.

SULLIVAN DEPOSIT

The Sullivan orebody is located at the western edge of the Rocky Mountain Trench and on the eastern flank of the Purcell Mountains. The orebody is a conformable iron-lead-zinc sulphide lens enclosed by clastic metasedimentary rocks of the Middle Proterozoic (Helikian) Aldridge Formation, the basal formation of the Purcell Supergroup (further subdivided into the Lower Purcell Group). Regional metamorphism is upper greenschist facies. The orebody occurs near the top of the Lower Aldridge Formation and has the shape of an inverted and tilted saucer. The maximum north-south dimension is about 2000 metres and the east-west dimension is about 1600 metres. It has flat to gentle east dips in the west,

moderate east to northeast dips in the centre, and gentle east to northeast dips in the east. The footwall rocks are composed of intraformational conglomerate and massive lithic wacke overlain by quartz wacke and pyrrhotite-laminated mudstone. The ore zone is overlain by several upward-fining sequences of quartz wacke and mudstone. The orebody attains a maximum thickness of 100 metres approximately 100 metres northwest of its geographic centre, and thins outward in all directions (averages 21 metres in thickness). To the east, it thins gradually to a sequence of pyrrhotite-laminated mudstone 3 to 5 metres thick that persists laterally for some distance. To the north, the orebody thins less gradually and is truncated by the Kimberley fault. To the west, the orebody thins abruptly and is cut by dyke-like apophyses of the footwall gabbro. The gabbro (of the Middle Proterozoic Moyie Intrusions) lies beneath the orebody and is typically concordant about 500 metres below its eastern edge. To the west, the gabbro rapidly transgresses upward to meet the footwall of the orebody near its western margin but, continuing westward it transgresses downward to resume its sill-like form at approximately its original stratigraphic position. To the south, within the limit of economic mineralization, thickness changes are generally irregular and abrupt.

The Sullivan orebody lies on the folded and faulted eastern limb of a broad north trending anticline. The structure plunges gently to the north and is locally asymmetric and overturned to the east. Detailed structural mapping has revealed three phases of folding. Phase 1 is characterized by isoclinal folds with axial planes parallel to bedding planes and north trending fold axes. Phase 2 is characterized by relatively open folds with gentle north or south plunges and with moderately west dipping axial planes. Both Phase 1 and 2 folds indicate easterly vergence. Phase 3 folds are associated with east dipping thrusts; axial planes have steep dips and folds have variable plunges to northwest and southeast.

The Kimberley, Ryot and Hidden Hand fault systems, the 010 degree trending Sullivan-type faults and other minor faults form an intricate mosaic disrupting the fold limb. The Kimberley and Hidden Hand faults lie across the regional structure and are generally parallel to east trending segments of the Moyie and St. Mary faults. The Kimberley fault dips 45 to 55 degrees north and truncates the ore zone to the north. With over 3000 metres of stratigraphic displacement, the fault juxtaposes rocks of the Creston and Kitchener formations against rocks of the Lower Aldridge. Displacement on the north dipping Hidden Hand fault is of the order of a few hundred metres of apparent normal dip-slip movement. The Sullivan-type faults cut the orebody with a consistent west side down normal displacement ranging from a few metres to 30 metres. The largest member of the group, the Sullivan fault, occurs near the western margin of the orebody. At the

northwestern margin of the orebody, a northeast trending fault apparently truncates the westward extension of the Kimberley fault although earlier phases of movement along the Sullivan-type faults may have occurred.

The Sullivan orebody consists of sulphide rock composed of more than 70 per cent sulphides in thick, gently dipping conformable units enclosed by unaltered or altered quartz wacke and mudstone. In the western part, massive pyrrhotite containing occasional wispy layers of galena is overlain by sulphide rock in which conformable layering consists of pyrrhotite, sphalerite, galena and pyrite intercalated with beds of clastic sedimentary rock. The ore passes outward on the north, east and south to delicately-bedded sulphide rock interbedded with fine-grained clastic sedimentary rocks. Eastward across a transition zone, the orebody is composed of five distinct conformable units of well-bedded sulphide rock interbedded with clastic sedimentary rock. Each bed of sulphide rock thins eastward from the transition zone. The transition zone is commonly only a few metres or tens of metres wide. Three bedded sulphide sequences occur above the main orebody, particularly in the area of the transition zone. Locally, these are ore. Sulphide vein mineralization is present in the footwall in and adjacent to a zone of tourmalinite and very rare elsewhere. Irregular veins commonly form networks composed dominantly of pyrrhotite, galena and sphalerite. Generally minor amounts of quartz, arsenopyrite, chalcopyrite, cassiterite, tourmaline or scheelite occur in some veins. Major differences exist in footwall rocks, ore zone and hanging wall rocks in different areas of the mine.

Much of the orebody is underlain by locally derived intraformational conglomerate which is more than 80 metres thick in the west and thins to the east. Footwall rocks are cut by tabular bodies of chaotic breccia containing blocks of conglomerate and bedded sedimentary rock; these extend downward unknown distances from the sulphide footwall in the west. Footwall mineralization consisting of thin conformable laminae, veins and locally intense fracture-filling is common in the west and very rare in the east.

The footwall and hanging wall rocks and locally the orebody in the west have been extensively altered by hydrothermal solutions. A crosscutting zone of tourmalinite underlying the sulphide lens in the west is 1000 by 1500 metres across at the sulphide footwall and extends at least 500 metres beneath the orebody. Albite-chlorite-pyrite alteration occurs in crosscutting zones in the footwall tourmalinite and extends more than 100 metres into the hanging wall over the western part of the orebody. A zone of

pyrite-chlorite alteration 300 metres in diameter crosscuts massive sulphide rock immediately overlying footwall albite-chlorite-pyrite alteration zones.

Extensive volumes of altered rock occur below, within and above the ore zone in the western part of the mine. Tourmalinite is included with wallrock alteration because most of the tourmalinite, except for that near the sulphide footwall, has crosscutting relations. Altered rocks unusually rich in chlorite, albite, pyrite, biotite, garnet and calcite occur in restricted crosscutting footwall structures, in a zone which crosscuts the orebody, and also occupy an extensive volume of rock in the hanging wall. Accessory minerals in altered hanging wall rocks include tourmaline, sphene, subordinate white mica, zircon, scapolite, calcite and quartz. Although minerals in altered rock have a metamorphic texture, their occurrence is interpreted as reflecting pre-metamorphic chemical modifications.

Pyrrhotite and pyrite (ratio of 7:3) are the most abundant sulphides in the Sullivan orebody. Galena and sphalerite (marmatite is the iron-rich variety) are the principal ore minerals. Minor but economically important minerals include tetrahedrite, pyrargyrite, boulangerite and arsenopyrite (deleterious). Cassiterite is an important minor constituent in the western part of the orebody. Minerals constituting less than 1 per cent include chalcopyrite, jamesonite, magnetite and less abundant scheelite and stannite. Trace or small amounts of chalcostibite and gudmundite have also been identified along with cerussite and pyromorphite. Principal non-sulphide minerals are quartz and calcite with abundant tourmaline, chlorite, muscovite, albite, pale brown to reddish-brown mica, garnet, tremolite, epidote, actinolite, cordierite and hornblende. Either quartz or calcite may make up 50 to 70 per cent of the non-sulphide suite, chlorite 30 per cent and the other minerals up to about 20 per cent.

In 1945 a pink mineral occurring as open-space fracture-fillings was found in a development raise in the southwest part of the orebody in an area where both ore and enclosing sedimentary rocks are highly manganeseiferous. This area is now an open pit and the pink mineral, tentatively identified as friedelite, is no longer to be found. Thirty-one years later a routine X-ray check was made from one of many hand specimens stored. Further work identified the mineral as a new mineral, mcgillite, the fifth member of the pyrosmalite group. McGillite is most often associated with very dark sphalerite and small amounts of boulangerite, galena, jamesonite and milky quartz.

Processing of Sullivan ore include recoverable amounts of cadmium, gold, bismuth, indium, iron, sulphur and antimonial lead and tin concentrate.

The Sullivan orebody is interpreted as a hydrothermal synsedimentary deposit which formed in a sub-basin on the Aldridge marine floor. It is located directly over conduits through which mineralizing fluids passed. Cross-strata permeability developed along synsedimentary faults and fractures; fluid escape along these led to development of chaotic breccia zones. Footwall conglomerate was extruded from breccia pipes or was laid down when locally oversteepened sediments collapsed. Boron-rich fluids percolated up the zones of cross-strata permeability, soaking adjoining footwall sediments and discharging onto the sea floor. Fluid composition and/or conditions in the sub-basin changed, and sulphides were deposited. Initial sulphide deposition over the vent area was rapid, as evidenced by lack of included clastic sedimentary rock. These features are felt to be consistent with deposition of sulphide particles which issued from the vent area. Waning stages of sulphide deposition were much less violent, and well-layered sulphides intercalated with intermittent clastic sediments became the dominant depositional style. In the upper part of both the eastern and western portions of the orebody, delicate sulphide lamellae consistent with chemical precipitation are widespread. Post-ore sodium-rich hydrothermal fluids altered tourmalinite, sulphide rocks, and hanging wall and footwall rocks over the vent area (Geological Association of Canada Special Paper 25).

Showings of sulphide mineralization were discovered in 1892. Beginning in 1900, the Sullivan mine has been a continuous producer from an original ore reserve of 160 million tons. Reserves in 1997 are estimated at 6,349,700 tonnes grading 41.1 grams per tonne silver, 6.8 per cent lead and 12.1 per cent zinc; the mine is scheduled to close on December 31, 2001.

PROPERTY GEOLOGY

The south and central part of the Bootleg claims cover a shallow dipping package of siltites, quartzites and wackes assigned to the Lower Aldridge Formation which are conformably overlain by Middle Aldridge Formation sediments in the northern part of the property. Within this sedimentary package are a number of intrusive Moyie sills. A fragmental unit has been mapped by field geologists near the northern boundary of the Boot 2 Claims. This unit appears to occur stratigraphically near the Lower-Middle Aldridge Contact(LMC), similar to the LMC-fragmental relationship at the Sullivan Mine.

Bedding throughout the property area is generally shallow in the 10 - 30° W range, with strikes roughly orientated south-east/north-west. Distinct structural relationships have not yet been ascertained. No significant folding or faulting has been recognised on the property.

1999 PROGRAM(Fig.2 in pocket)

The focus of the 1999 exploration program on the Bootleg Claim Group was to continue evaluation for the presence of Sullivan-type sedex mineralization and indicators. Reconnaissance scale geological mapping and soil sampling were carried out. A total of 303 soil samples and 2 silt samples were collected. Soil samples were collected at 50m spacing along topographic contour lines and along ridges. The samples were shipped to Eco-Tech Labs at Kamloops, B.C. where they were dried, sieved to -80 mesh and analyzed for 30 element ICP using aqua-regia digestion. High-grade samples were further fire-assayed. All samples were collected, handled, catalogued and prepared for shipment by Eagle Plains staff.

1999 RESULTS(Fig. 2 in pocket)

Results from the 1999 field program confirmed the presence of Sullivan type base metal geochemistry within the Bootleg claims and also identified alteration and stratigraphy similar to that found at the world class Sullivan sedimentary-exhalitive deposit.

Fifty-three of the soil samples collected returned anomalous values indicative of sedex type enrichment. Anomalous amounts of silver, baritium, copper, lead, zinc, boron and cobalt were detected by the survey. The results include:

MWBL99D15 – MWBL99D20: 250m averaging 265 ppm Ba; within this interval D15-D16 averaged 236 ppm Cu; D15 also returned the highest values in the survey for barium (900 ppm) and copper (270ppm).

MWBL99D06 – MWBL99D07: 50m averaging 275ppm Zn; D06 also had the highest lead value for the survey – 166ppm.

MWBL99D01- D03: weakly anomalous in boron; D03 returned the highest zinc value in the survey – 690ppm.

MWBL99D03: returned the highest silver value in the survey – 0.6 gm/t.

L2100N 0+00W: 100ppm Co, 157ppm Cu, and 271ppm zinc.

Mapping by Eagle Plains personnel on the Bootleg Claim Group defined an area of tourmaline – albite alteration in a sandy argillite unit in the area of the BL19,20,21 and 22 claims. This type of alteration is often associated with sedimentary-exhalitive vent processes and is similar to that found at the nearby Sullivan deposit.

CONCLUSIONS and RECOMMENDATIONS

The Bootleg Claim Group is underlain by the same stratigraphic package that hosts the world class Sullivan Sedex base metal deposit located approximately 6 km northeast of the property boundary. Geochemical results from the 1999 soil sampling program indicate enrichment in many of the metals and elements associated with sedimentary-exhalitive deposits including silver, barite, copper, lead, zinc and boron. Geological mapping in 1999 defined sedimentary-exhalitive style albite and tourmaline alteration associated with a package of siltstone and sandstone located near the LMC, the stratigraphic location of the Sullivan deposit. This altered unit is located at the head of a drainage that 1997-98 work defined as being both highly anomalous in zinc and proximal to a fragmental body similar to that found in the footwall of the main sulphide lens at the Sullivan deposit. (Downie,1999).

Further work is recommended to evaluate the Bootleg Claim Group for the presence of Sullivan type sedimentary exhalitive indicators. A two phase program is proposed. The first phase should consist of geological mapping, prospecting, soil sampling and silt sampling. Geological mapping and prospecting should focus on accurately defining the position of the Lower Middle Aldridge Contact, the extent and nature of the albite-tourmaline alteration zone, and on locating areas with sedex style alteration including albitization, tourmalinization, chloritization, and sericitization. Contour and grid geochemical sampling should be extended to include the southwest slope of Matthew Creek. Prospecting, mapping and sampling should be carried out along any new road cuts established by logging activity on the claims. Silt sampling appears to be very effective thus far in defining base metal anomalies and any untested drainages on the property should be sampled.

The second stage of the program should be diamond drill testing of high priority targets defined by mapping and geochemistry in the first part of the program. A 1000m program using a heli-portable BTW core drill is recommended. The proximity of the Bootleg Claim Group to Cominco LTD's Sullivan concentrator and related in situ mining infrastructure could make the exploitation of a small orebody in the order of 5-10 million tons feasible.

A budget for proposed initial follow-up work is included following:

PROPOSED BUDGET

PHASE 1

Personnel.....	\$15,000.00
Analytical.....	\$4,000.00
Meals/Grocery	\$1,000.00
Truck and Equipment Rentals	\$2,000.00
Fuel	\$1,000.00
Supplies	\$1,500.00
Miscellaneous	<u>\$500.00</u>
	Sub-Total : \$25,000.00
	10% Contingency : <u>\$2,500.00</u>
	TOTAL Phase 1 : \$27,500.00

PHASE 2

Diamond Drilling: 1000m x \$75.00/m.....	\$75,000.00
Personnel	\$15,000.00
Helicopter Support.....	\$15,000.00
Mob/Demob.....	\$2,500.00
Analytical.....	\$5,000.00
Meals/Grocery	\$2,000.00
Accommodation.....	\$1,000.00
Truck/Equipment Rentals.....	\$2,000.00
Fuel (Diesel, Gasoline, Propane)	\$2,000.00
Supplies	\$1,500.00
Miscellaneous	\$1,000.00

Report/Reproduction \$3,000.00

Sub-Total : \$125,000.00

10% Contingency : \$12,500.00

TOTAL Phase 2 : \$137,500.00

TOTAL Phase 1, Phase 2 : \$165,000.00

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APPENDIX I

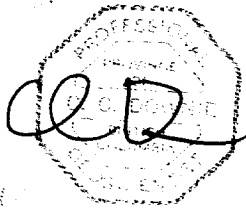
Certificate of Qualification

STATEMENT OF QUALIFICATIONS

I, Charles C. Downie of 122 13th Ave. S. in the City of Cranbrook, in the Province of British Columbia, hereby certify that:

- 1) I am a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists of British Columbia (#20137).
- 2) I am a graduate of the University of Alberta (1988) with a B.Sc. degree and have practiced my profession as a geologist continuously since graduation.
- 3) This report is supported by data collected by myself during fieldwork conducted between September 01, 1999 and October 12, 1999 as well as information gathered through research.
- 5) I hold 125,000 shares of Eagle Plains Resources; I hold an option to purchase 75,000 Common Shares of Eagle Plains at \$0.55 per share.

Dated this 15th day of February 2000 in Cranbrook, British Columbia.

A circular professional seal for Charles C. Downie, P. Geo. The seal features a central signature 'C.C. Downie' and the text 'PROFESSIONAL GEOSCIENTIST' around the top edge and 'P. Geo.' at the bottom. The seal is partially obscured by a circular stamp.

Charles C. Downie, P. Geo.

APPENDIX II

Statement of Expenditures

STATEMENT OF EXPENDITURES-BOOTLEG CLAIM GROUP WORK PROGRAM

The following expenses were incurred on the BOOTLEG GROUP of mineral titles for the purpose of mineral exploration between the dates of September 01, 1999 and October 12, 1999.

PERSONNEL:

Tim J. Termuende, P.Geo.: 2.0 days x \$425.00/day.....	\$850.00
Mike Walls, Geologist: 2.0 days x \$300/day.....	\$600.00
Brad Robison, Technician: 2.0 days x \$250.00/day.....	\$500.00
Ryan Hamilton, Technician: 1.0 days x \$250.00/day.....	<u>\$250.00</u>
	\$2,200.00

EQUIPMENT RENTAL:

Truck Rentals(4WD pickups) : 5 days x \$50.00/day.....	\$250.00
Mileage : 500km x \$0.20/km.....	\$100.00
4WD ATVs: 5.0 days x \$75.00/day.....	\$375.00
Hand-held Radios : 7.0 man days x \$20.00/day	\$140.00
Field Supply: 10.0 man-days x \$25/man/day.....	<u>\$250.00</u>
	\$1,115.00

EXPENDITURES:

Consultants:	\$6,163.93
Satellite Phone:	\$227.43
Handling Fees:	\$949.40
Analytical (Eco-Tech Labs):	\$612.17
Maps/Orthophotos:	\$179.22
Meals/Grocery:	\$15.42
Fuel: Gasoline:	\$82.22
Shipping:	<u>\$28.57</u>
	\$8,258.36

OTHER

GST:	\$919.61
Report (data compilation, report writing, reproduction - estimate):	<u>\$2,000.00</u>
	\$2,919.61

TOTAL : \$14,492.97

Unit Cost For Geochemical Sampling: 305 samples @ \$47.52/sample

APPENDIX III
Analytical Results

6-Oct-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada HWY
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK99-543

TOKLAT RESOURCES INC.
2720-17th STREET SOUTH
CRANBROOK, B.C.
V1C 4H4

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

ATTENTION: TIM TERMUENDE

No. of samples received: 66

Sample Type: Soil

PROJECT #: BL99

SHIPMENT #: BL9901

Samples submitted by: T. Termuende

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	B	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Tl %	U	V	W	Y	Zn
1	MWBL99D01	<0.2	3.02	5	11	65	<5	0.32	3	93	26	137	3.88	80	1.99	1621	<1	<0.01	71	550	84	10	<20	26	0.09	<10	49	<10	126	690
2	MWBL99D02	<0.2	1.82	5	15	75	10	0.07	<1	10	21	24	1.94	30	0.52	799	<1	0.01	12	860	42	<5	<20	6	0.07	<10	30	<10	26	79
3	MWBL99D03	0.6	1.92	10	12	120	10	0.14	<1	42	15	35	3.98	30	0.91	1991	4	<0.01	24	590	102	5	<20	12	0.02	<10	29	<10	52	91
4	MWBL99D04	0.2	2.21	<5	<10	100	10	0.07	<1	10	19	55	3.73	20	0.55	341	<1	0.01	11	630	58	<5	<20	13	0.12	<10	32	<10	31	55
5	MWBL99D05	<0.2	2.34	<5	<10	80	5	0.07	<1	22	23	119	3.99	70	0.95	728	<1	0.01	15	1000	56	<5	<20	12	0.13	<10	34	<10	88	85
6	MWBL99D06	<0.2	2.45	5	<10	85	5	0.06	<1	23	22	118	4.30	30	0.68	676	<1	0.01	20	1370	166	<5	<20	11	0.11	<10	43	<10	46	286
7	MWBL99D07	<0.2	3.06	5	<10	155	15	0.10	<1	34	38	97	4.66	30	1.30	935	<1	<0.01	33	750	74	<5	<20	13	0.20	<10	93	<10	46	264
8	MWBL99D08	<0.2	2.66	5	<10	105	5	0.06	<1	18	23	100	4.60	70	0.74	477	<1	0.01	18	1290	56	<5	<20	23	0.13	<10	41	<10	61	102
9	MWBL99D09	<0.2	2.71	15	<10	85	10	0.08	<1	12	15	50	2.90	40	0.45	607	<1	0.02	12	1650	42	<5	<20	15	0.10	<10	33	<10	56	65
10	MWBL99D10	<0.2	2.83	10	<10	105	15	0.04	<1	34	22	106	6.68	50	0.75	705	3	<0.01	19	1100	52	<5	<20	31	0.11	<10	40	<10	78	115
11	MWBL99D11	<0.2	2.47	15	16	120	15	0.07	<1	13	22	54	3.48	30	0.66	875	<1	0.01	14	1020	30	<5	<20	23	0.13	<10	38	<10	17	66
12	MWBL99D12	<0.2	2.53	10	<10	90	10	0.05	<1	24	23	64	4.20	70	0.67	480	<1	<0.01	23	660	60	<5	<20	20	0.11	<10	37	<10	74	131
13	MWBL99D13	<0.2	2.01	<5	<10	65	10	0.05	<1	18	21	51	3.11	30	0.66	406	<1	<0.01	16	410	36	<5	<20	8	0.12	<10	30	<10	42	98
14	MWBL99D14	<0.2	2.24	5	<10	85	10	0.18	<1	18	29	87	3.61	20	0.75	461	<1	0.02	26	860	32	<5	<20	18	0.12	<10	58	<10	21	96
15	MWBL99D15	<0.2	3.80	5	<10	900	<5	0.85	<1	41	17	270	5.15	<10	0.74	798	<1	0.03	43	590	12	<5	<20	1404	0.08	<10	85	<10	17	69
16	MWBL99D16	<0.2	3.89	20	11	85	15	0.23	<1	67	190	203	7.07	<10	3.23	968	<1	<0.01	146	780	44	<5	<20	16	0.31	<10	209	<10	<1	66
17	MWBL99D17	<0.2	2.00	<5	<10	190	15	0.48	<1	16	151	25	2.31	20	1.62	463	<1	0.06	76	1180	22	10	<20	88	0.15	<10	50	<10	8	61
18	MWBL99D18	<0.2	3.37	5	<10	130	15	0.13	<1	11	61	25	2.78	10	0.78	239	<1	0.02	31	740	32	5	<20	42	0.16	<10	47	<10	5	62
19	MWBL99D19	<0.2	2.34	<5	<10	150	15	0.14	<1	16	59	29	3.01	30	1.18	802	<1	0.02	27	720	30	<5	<20	44	0.16	<10	44	<10	23	73
20	MWBL99D20	<0.2	1.88	<5	<10	135	15	0.14	<1	12	47	27	3.26	30	0.84	713	<1	0.02	18	1210	44	<5	<20	47	0.13	<10	39	<10	10	77

Et #.	Tag #	Ag	Al %	As	B	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
21	MWBL99D21	<0.2	1.28	<5	<10	40	15	0.07	<1	5	25	6	1.43	<10	0.65	288	<1	<0.01	6	170	18	10	<20	11	0.14	<10	40	<10	7	45
22	MWBL99D22	<0.2	1.85	<5	<10	100	15	0.05	<1	8	30	25	2.73	30	0.75	425	<1	<0.01	9	450	24	5	<20	17	0.15	<10	38	<10	7	40
23	MWBL99D23	<0.2	1.88	<5	<10	65	20	0.04	<1	9	29	28	3.59	20	0.74	239	<1	0.01	10	480	30	<5	<20	11	0.15	<10	42	<10	<1	50
24	MWBL99D24	<0.2	2.28	10	<10	100	20	0.08	<1	10	25	22	3.01	20	0.69	688	<1	0.01	12	730	36	<5	<20	29	0.16	<10	37	<10	8	68
25	MWBL99D25	<0.2	2.76	<5	<10	100	20	0.09	<1	13	35	24	2.89	10	0.67	1015	<1	0.02	21	760	30	<5	<20	20	0.17	<10	40	<10	6	69
26	MWBL99D26	<0.2	3.32	<5	<10	95	20	0.07	<1	14	30	30	3.70	20	0.83	418	<1	0.01	20	650	32	5	<20	17	0.16	<10	41	<10	16	93
27	MWBL99D27	<0.2	2.16	5	<10	75	15	0.07	<1	7	21	19	2.12	<10	0.56	167	<1	0.01	11	500	26	10	<20	9	0.14	<10	33	<10	3	45
28	MWBL99D28	<0.2	2.68	<5	10	65	20	0.05	<1	11	28	13	3.30	<10	1.39	256	<1	<0.01	10	210	20	15	<20	10	0.22	<10	43	<10	<1	54
29	MWBL99D29	<0.2	2.65	10	<10	70	15	0.04	<1	8	15	20	2.24	10	0.43	199	<1	0.01	10	450	30	<5	<20	7	0.12	<10	28	<10	13	42
30	MWBL99D30	<0.2	3.34	10	<10	65	20	0.04	<1	8	21	25	2.72	<10	0.57	157	<1	0.01	11	470	34	<5	<20	14	0.16	<10	39	<10	<1	45
31	MWBL99D31	<0.2	3.67	10	<10	55	15	0.04	<1	8	17	20	2.34	<10	0.33	147	<1	0.01	11	500	26	<5	<20	9	0.16	10	35	<10	6	37
32	MWBL99D32	<0.2	2.37	<5	<10	65	15	0.04	<1	8	21	18	2.20	<10	0.57	191	<1	<0.01	10	280	22	<5	<20	8	0.16	<10	30	<10	2	53
33	MWBL99D33	<0.2	1.02	<5	<10	25	10	0.04	<1	6	6	18	1.27	<10	0.08	45	<1	0.01	6	200	14	<5	<20	6	0.14	<10	42	<10	<1	14
34	MWBL99D34	<0.2	2.63	10	<10	100	10	0.15	<1	17	17	112	3.27	20	0.45	293	<1	0.01	30	760	26	<5	<20	18	0.13	<10	45	<10	2	53
35	MWBL99D35	<0.2	2.63	15	<10	105	15	0.08	<1	11	12	49	2.84	10	0.25	573	<1	0.01	17	770	26	<5	<20	11	0.13	<10	36	<10	<1	52
36	MWBL99D36	<0.2	2.26	20	<10	90	15	0.05	<1	9	16	51	4.13	20	0.28	151	<1	0.01	11	670	24	<5	<20	18	0.14	10	45	<10	<1	35
37	MWBL99D37	0.4	2.74	10	<10	75	15	0.05	<1	10	18	46	2.96	10	0.47	284	<1	0.01	13	950	82	<5	<20	14	0.12	<10	35	<10	10	86
38	MWBL99D38	<0.2	3.10	15	<10	145	20	0.04	<1	12	16	54	5.05	30	0.59	281	<1	0.01	13	850	94	<5	<20	25	0.18	10	67	<10	2	152
39	MWBL99D39	0.4	3.55	15	<10	45	10	0.06	<1	7	9	23	1.98	<10	0.15	330	<1	0.02	7	670	58	<5	<20	10	0.12	<10	28	<10	20	55
40	MWBL99D40	<0.2	1.93	5	<10	45	10	0.05	<1	6	16	17	2.16	<10	0.42	250	<1	<0.01	8	280	60	<5	<20	8	0.11	<10	30	<10	6	131
41	MWBL99D41	<0.2	2.76	10	<10	135	20	0.13	<1	12	25	26	2.89	10	0.59	495	<1	0.02	15	590	54	<5	<20	32	0.16	<10	45	<10	4	178
42	MWBL99D42	<0.2	1.74	5	<10	75	10	0.06	<1	6	16	17	1.95	10	0.37	381	<1	0.01	7	690	52	<5	<20	14	0.10	<10	33	<10	4	63
43	MWBL99D43	<0.2	5.37	15	<10	30	10	0.05	<1	5	15	18	2.44	<10	0.09	64	<1	0.02	4	1060	38	<5	<20	10	0.10	10	34	<10	2	17
44	MWBL99D44	<0.2	2.75	5	<10	60	15	0.06	<1	9	35	17	3.16	10	0.45	184	<1	0.01	12	580	34	<5	<20	19	0.15	<10	45	<10	1	60
45	MWBL99D45	0.4	2.91	5	<10	35	10	0.03	<1	4	6	11	1.61	<10	0.04	71	<1	0.02	3	490	26	<5	<20	6	0.10	<10	28	<10	1	15
46	MWBL99D46	<0.2	2.51	10	<10	80	15	0.04	<1	9	17	29	3.28	10	0.35	189	<1	<0.01	12	520	34	<5	<20	12	0.11	<10	33	<10	11	80
47	MWBL99D47	<0.2	2.14	15	<10	95	20	0.05	<1	10	19	39	4.32	30	0.52	384	<1	<0.01	17	680	48	<5	<20	18	0.10	<10	30	<10	17	103
48	MWBL99D48	<0.2	2.48	5	<10	80	10	0.06	<1	8	15	22	2.61	10	0.37	243	<1	0.01	11	490	38	<5	<20	12	0.11	<10	31	<10	9	64
49	MWBL99D49	<0.2	2.27	5	<10	75	15	0.04	<1	8	19	28	2.82	10	0.54	235	<1	<0.01	13	330	28	<5	<20	14	0.10	<10	26	<10	9	87
50	MWBL99D50	<0.2	2.01	5	<10	75	10	0.03	<1	9	17	25	3.02	10	0.38	186	<1	<0.01	17	370	24	<5	<20	15	0.09	<10	29	<10	10	92
51	MWBL99D51	<0.2	2.89	15	<10	60	15	0.04	<1	8	12	21	2.47	<10	0.19	135	<1	0.01	10	410	28	<5	<20	9	0.10	10	30	<10	6	69
52	MWBL99D52	<0.2	2.14	30	<10	90	10	0.03	<1	9	15	32	3.32	10	0.39	303	<1	<0.01	18	450	26	<5	<20	13	0.08	<10	24	<10	17	105
53	MWBL99D53	<0.2	3.34	15	<10	50	10	0.04	<1	8	11	12	2.15	<10	0.16	140	<1	0.01	7	520	46	<5	<20	8	0.11	<10	29	<10	<1	71
54	MWBL99D54	<0.2	2.50	10	<10	55	15	0.02	<1	5	13	19	1.99	<10	0.22	99	<1	<0.01	6	320	24	<5	<20	5	0.08	<10	21	<10	5	62
55	MWBL99D55	<0.2	4.36	5	<10	45	10	0.04	<1	7	14	27	2.93	<10	0.17	89	<1	0.01	8	540	30	<5	<20	9	0.13	10	44	<10	<1	46

Et #.	Tag #	Ag	Al %	As	B	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
56	MWBL99D56	<0.2	3.99	10	<10	40	15	0.05	<1	8	8	20	2.03	<10	0.08	69	<1	0.02	8	440	30	<5	<20	9	0.15	10	32	<10	7	32
57	MWBL99D57	<0.2	1.09	<5	<10	40	10	0.03	<1	4	10	6	1.15	<10	0.23	87	<1	<0.01	3	210	14	5	<20	7	0.12	<10	26	<10	<1	19
58	MWBL99D58	<0.2	1.84	<5	<10	80	10	0.05	<1	10	17	18	2.66	<10	0.41	168	<1	<0.01	14	300	16	<5	<20	15	0.12	<10	31	<10	5	41
59	MWBL99D59	<0.2	2.15	5	<10	70	15	0.04	<1	7	10	15	2.91	<10	0.19	406	<1	<0.01	7	530	24	<5	<20	8	0.15	<10	39	<10	<1	36
60	MWBL99D60	<0.2	1.70	10	<10	90	10	0.08	<1	7	14	16	2.27	<10	0.28	853	<1	<0.01	9	540	38	<5	<20	12	0.12	<10	35	<10	<1	47
61	MWBL99D61	<0.2	1.67	5	<10	45	10	0.03	<1	7	18	11	2.60	<10	0.37	73	<1	<0.01	13	190	16	<5	<20	8	0.13	10	38	<10	<1	25
62	MWBL99D62	<0.2	3.10	<5	11	120	25	0.24	<1	25	18	69	4.43	<10	1.17	366	<1	<0.01	16	580	14	<5	<20	30	0.33	10	84	<10	<1	68
63	MWBL99D63	<0.2	2.17	<5	<10	35	10	0.03	<1	3	6	9	1.43	<10	0.06	106	<1	0.01	3	710	20	<5	<20	5	0.08	<10	25	<10	<1	11
64	MWBL99D64	<0.2	2.01	5	<10	60	10	0.05	<1	13	18	25	2.99	<10	0.46	101	<1	<0.01	15	470	16	<5	<20	9	0.12	<10	31	<10	3	27
65	MWBL99D65	<0.2	3.18	5	<10	60	10	0.05	<1	8	9	22	1.92	<10	0.13	77	<1	0.01	9	760	26	<5	<20	9	0.14	<10	32	<10	<1	29
66	MWBL99D66	<0.2	2.43	5	<10	55	10	0.08	<1	9	15	29	2.13	<10	0.32	110	<1	0.01	13	610	22	<5	<20	8	0.11	<10	38	<10	1	25

QC/DATA:

Repeat:

1	MWBL99D01	0.2	3.06	10	12	60	<5	0.32	4	92	27	136	3.88	80	2.00	1614	<1	<0.01	72	580	86	5	<20	22	0.09	<10	49	<10	127	689
10	MWBL99D10	<0.2	2.81	15	<10	105	10	0.04	<1	34	22	105	6.74	50	0.73	673	2	<0.01	19	1090	52	<5	<20	31	0.11	<10	40	<10	79	114
19	MWBL99D19	<0.2	2.35	<5	<10	150	20	0.15	<1	16	59	29	3.03	30	1.18	809	<1	0.02	27	740	32	<5	<20	44	0.17	<10	45	<10	23	73
28	MWBL99D26	<0.2	2.86	<5	<10	70	20	0.05	<1	12	29	14	3.48	<10	1.45	267	<1	<0.01	11	220	22	5	<20	11	0.23	10	45	<10	<1	56
36	MWBL99D36	<0.2	2.36	15	<10	90	20	0.05	<1	9	16	52	4.18	20	0.28	156	<1	0.01	11	700	24	<5	<20	16	0.15	10	44	<10	<1	35
45	MWBL99D45	0.6	2.96	5	<10	40	15	0.03	<1	4	6	14	1.63	<10	0.04	70	<1	0.02	3	490	26	<5	<20	9	0.11	<10	29	<10	1	15
54	MWBL99D54	<0.2	2.51	10	<10	55	10	0.02	<1	5	16	13	2.02	<10	0.23	102	<1	<0.01	6	320	22	<5	<20	6	0.08	<10	22	<10	5	63

Standard:

GEO'99		1.2	1.72	65	10	155	<5	1.82	<1	18	66	83	3.84	<10	0.96	646	<1	0.02	24	680	22	10	<20	63	0.09	<10	72	<10	8	65
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dl/543
XLS/99Toklat
fax:250-426-6899

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

5-Nov-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada HWY
KAMLOOPS, B.C.
V2C 6T4

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

ICP CERTIFICATE OF ANALYSIS AK99-599

TOKLAT RESOURCES INC.
2720-17th STREET SOUTH
CRANBROOK, B.C.
V1C 4H4

ATTENTION: TIM TERMUENDE

No. of samples received: 237
Sample Type: Soil
PROJECT #: Bootleg
SHIPMENT #: 2
Samples submitted by: T. Termuende

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	B	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	1600N 0+00E	<0.2	1.10	5	<10	70	<5	0.06	<1	7	8	9	1.45	10	0.22	110	1	<0.01	7	360	14	<5	<20	3	0.03	<10	<1	<10	7	52
2	1600N 0+50E	<0.2	1.37	5	<10	50	<5	0.14	<1	7	7	11	2.00	<10	0.19	120	1	0.01	6	720	16	<5	<20	4	0.04	<10	19	<10	4	40
3	1600N 1+00E	<0.2	1.51	<5	<10	60	<5	0.23	<1	8	7	24	2.10	<10	0.23	122	2	0.02	8	710	14	<5	<20	8	0.04	<10	35	<10	5	39
4	1600N 1+50E	<0.2	1.41	10	<10	50	5	0.18	<1	8	6	25	1.68	<10	0.24	153	1	0.02	8	900	14	<5	<20	<1	0.04	<10	22	<10	6	43
5	1600N 2+00E	<0.2	0.64	<5	<10	60	<5	0.18	<1	5	5	12	1.13	10	0.15	109	<1	0.01	4	240	14	<5	<20	4	0.03	<10	25	<10	14	34
6	1600N 2+50E	<0.2	3.05	10	<10	70	10	0.07	<1	7	8	6	2.06	<10	0.08	63	2	0.01	8	940	22	<5	<20	4	0.05	<10	<1	<10	4	45
7	1600N 3+00E	<0.2	2.79	10	<10	30	15	0.05	<1	7	6	7	2.02	<10	0.07	72	2	0.01	5	1290	24	<5	<20	<1	0.08	<10	<1	<10	8	44
8	1600N 3+50E	<0.2	1.69	5	<10	60	10	0.06	<1	7	8	7	2.01	<10	0.14	111	2	0.01	8	490	20	<5	<20	<1	0.04	<10	7	<10	2	54
9	1600N 4+00E	<0.2	1.73	10	<10	90	5	0.06	<1	7	9	12	1.94	10	0.24	144	1	0.01	10	810	20	<5	<20	3	0.04	<10	2	<10	7	49
10	1600N 4+50E	<0.2	1.63	5	<10	75	10	0.07	<1	8	9	11	2.16	20	0.22	295	2	<0.01	10	1250	24	<5	<20	2	0.04	<10	5	<10	11	88
11	1600N 5+00E	<0.2	2.29	10	<10	75	<5	0.09	<1	8	7	10	1.72	<10	0.15	125	2	0.01	10	680	18	5	<20	5	0.05	<10	3	<10	8	58
12	1600N 5+50E	<0.2	1.88	10	<10	50	5	0.04	<1	6	7	10	2.15	<10	0.13	99	2	0.01	6	640	24	<5	<20	<1	0.04	<10	<1	<10	4	52
13	1600N 6+00E	<0.2	1.87	10	<10	50	10	0.04	<1	7	5	9	1.61	<10	0.08	568	<1	0.01	7	1050	22	<5	<20	<1	0.04	<10	<1	<10	5	57
14	1600N 6+50E	<0.2	1.99	15	<10	105	<5	0.06	<1	12	11	16	2.24	10	0.26	483	2	<0.01	15	1380	28	<5	<20	<1	0.02	<10	11	<10	2	91
15	1600N 7+00E	<0.2	1.76	10	<10	65	10	0.08	<1	10	7	7	1.82	<10	0.14	126	2	0.01	11	390	20	<5	<20	2	0.03	<10	2	<10	5	49
16	1600N 7+50E	<0.2	1.51	10	<10	80	<5	0.10	<1	12	8	13	1.76	<10	0.22	466	1	0.01	16	450	16	<5	<20	2	0.03	<10	3	<10	9	62
17	1600N 8+00E	<0.2	1.34	25	<10	95	5	0.17	<1	13	11	18	2.41	20	0.32	244	2	0.01	15	990	24	<5	<20	8	0.05	<10	6	<10	15	96
18	1600N 8+50E	<0.2	0.94	5	<10	30	10	0.08	<1	4	7	7	1.58	10	0.18	94	1	<0.01	5	360	14	<5	<20	<1	0.02	<10	3	<10	5	34
19	1600N 9+00E	<0.2	0.65	<5	<10	20	5	0.12	<1	4	4	8	1.22	<10	0.16	75	<1	0.01	3	180	8	<5	<20	<1	0.03	<10	26	<10	6	17
20	1600N 9+50E	<0.2	1.31	10	<10	50	10	0.15	<1	9	11	24	3.27	20	0.37	157	3	0.01	11	850	20	<5	<20	8	0.05	<10	24	<10	6	57

TOKLAT RESOURCES INC.

ICP CERTIFICATE OF ANALYSIS AK99-599

ECO-TECH LABORATORIES LTD.

Et #.	Tag #	Ag	Al %	As	B	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
21	1600N 10+00E	<0.2	0.97	5	<10	50	<5	0.18	<1	7	8	29	1.65	<10	0.23	112	1	0.01	8	360	16	<5	<20	7	0.05	<10	36	<10	6	34
22	1600N 10+50E	<0.2	1.46	10	<10	40	5	0.06	<1	4	7	7	1.80	<10	0.12	79	2	0.01	5	620	16	<5	<20	<1	0.03	<10	8	<10	4	43
23	1600N 11+00E	<0.2	1.68	10	<10	60	5	0.05	<1	6	6	7	2.07	<10	0.06	111	2	0.01	3	880	18	<5	<20	3	0.03	<10	<1	<10	2	74
24	1600N 11+50E	<0.2	1.66	45	<10	80	5	0.10	<1	10	8	16	2.69	<10	0.22	715	2	0.01	20	800	38	<5	<20	6	0.04	<10	<1	<10	7	147
25	1600N 12+00E	<0.2	1.65	25	<10	75	10	0.08	<1	9	11	16	2.50	10	0.32	209	3	0.01	10	990	22	<5	<20	1	0.03	<10	11	<10	5	74
26	1600N 12+50E	<0.2	1.21	10	<10	60	10	0.04	<1	4	6	5	1.50	<10	0.10	99	<1	<0.01	4	1200	18	<5	<20	<1	0.02	<10	9	<10	2	52
27	1600N 13+00E	<0.2	1.14	20	<10	45	<5	0.06	<1	7	8	14	2.04	10	0.22	111	2	<0.01	8	600	20	<5	<20	<1	0.02	<10	7	<10	5	44
28	1600N 13+50E	<0.2	1.33	40	<10	50	5	0.07	<1	9	13	20	2.75	20	0.42	136	3	<0.01	12	480	34	<5	<20	2	0.02	<10	8	<10	3	63
29	1600N 14+00E	<0.2	1.01	20	<10	40	5	0.05	<1	7	7	12	1.89	10	0.22	87	2	<0.01	9	340	14	<5	<20	<1	0.02	<10	<1	<10	2	36
30	1600N 14+50E	<0.2	1.43	15	<10	65	10	0.09	<1	7	13	11	2.59	10	0.50	130	2	0.01	6	560	24	5	<20	2	0.04	<10	<1	<10	9	31
31	1600N 15+00E	<0.2	1.45	15	<10	50	15	0.12	<1	8	15	17	3.09	10	0.76	184	3	0.01	9	330	24	10	<20	7	0.04	<10	<1	<10	6	42
32	1600N 15+50E	<0.2	3.20	15	<10	55	10	0.11	<1	25	87	17	4.28	<10	2.33	239	4	0.01	29	560	16	20	<20	<1	0.03	<10	83	<10	<1	59
33	1600N 16+00E	<0.2	1.63	10	<10	55	5	0.07	<1	6	13	10	2.68	<10	0.38	85	3	0.01	5	640	28	<5	<20	4	0.04	<10	<1	<10	4	32
34	L1700N 0+00E	<0.2	1.42	10	<10	110	10	0.06	<1	6	6	7	1.60	<10	0.09	256	1	0.01	7	1800	24	<5	<20	2	0.04	<10	<1	<10	5	79
35	L1700N 0+50E	<0.2	2.84	10	<10	90	10	0.08	<1	13	8	10	2.02	<10	0.14	457	2	0.01	10	1190	26	<5	<20	3	0.05	<10	<1	<10	7	117

237 L2100N 15+00W <0.2 3.60 5 <10 30 10 0.06 <1 5 4 17 1.51 <10 0.05 79 2 0.02 4 790 22 <5 <20 1 0.04 <10 <1 <10 4 16

QC/DATA:

Repeat:

1	1600N 0+00E	<0.2	1.12	<5	<10	65	5	0.06	<1	7	7	8	1.48	10	0.22	112	1	<0.01	8	390	16	<5	<20	2	0.02	<10	<1	<10	7	52
10	1600N 4+50E	<0.2	1.64	5	<10	80	10	0.07	<1	8	9	11	2.15	20	0.21	294	2	<0.01	10	1270	22	<5	<20	2	0.03	<10	3	<10	11	88
19	1600N 9+00E	<0.2	0.86	<5	<10	20	10	0.13	<1	5	4	9	1.25	<10	0.17	78	<1	0.01	3	180	10	<5	<20	<1	0.03	<10	27	<10	7	17
28	1600N 13+50E	<0.2	1.39	40	<10	55	5	0.07	<1	9	14	21	2.80	20	0.43	140	4	0.01	13	510	34	<5	<20	1	0.02	<10	7	<10	2	65
36	L1700N 1+00E	<0.2	3.08	5	<10	70	15	0.19	<1	9	7	10	2.48	<10	0.08	71	2	0.02	8	850	38	<5	<20	14	0.06	<10	<1	<10	16	49
45	L1700N 5+50E	<0.2	2.07	15	<10	65	10	0.08	<1	8	7	9	1.78	10	0.14	136	2	0.01	7	920	20	<5	<20	<1	0.03	<10	<1	<10	10	59
54	L1700N 10+00E	<0.2	1.25	30	<10	45	5	0.13	<1	12	10	17	1.46	20	0.27	216	1	<0.01	9	160	16	<5	<20	8	0.02	<10	<1	<10	28	88
63	L1700N 14+50E	<0.2	1.39	<5	<10	65	<5	0.09	<1	9	8	9	1.52	10	0.13	227	2	0.01	7	580	16	<5	<20	<1	0.02	<10	3	<10	8	41
71	L1900N 3+00E	<0.2	1.51	<5	<10	45	10	0.18	<1	8	9	8	1.94	<10	0.29	173	1	0.02	6	710	16	<5	<20	2	0.04	<10	<1	<10	12	40
80	L1900N 7+50E	<0.2	3.21	10	<10	40	10	0.19	<1	9	6	10	2.53	<10	0.15	113	2	0.02	4	2330	20	<5	<20	1	0.05	<10	<1	<10	10	32
89	L1900N 12+00E	<0.2	2.38	25	<10	70	15	0.08	<1	14	14	17	2.61	10	0.20	234	2	0.02	16	1150	26	<5	<20	2	0.06	<10	<1	<10	14	80
98	L1900N 16+50E	<0.2	2.07	50	<10	65	10	0.07	<1	10	15	25	3.63	20	0.37	148	3	0.01	11	650	32	<5	<20	8	0.06	<10	<1	<10	7	74
106	L1900N 20+50E	<0.2	1.04	10	<10	90	10	0.07	<1	5	33	13	1.64	20	0.26	86	1	0.01	11	340	28	<5	<20	10	0.04	<10	<1	<10	13	31
115	L2000N 1+50E	<0.2	2.23	10	12	75	20	0.30	<1	15	22	17	2.86	10	0.66	248	<1	0.02	14	340	16	5	<20	4	0.07	<10	<1	<10	30	43
124	L2000N 6+00E	<0.2	2.77	10	<10	95	15	0.57	<1	14	10	13	4.08	20	0.43	242	3	0.04	8	2330	16	10	<20	8	0.04	<10	<1	<10	29	43
133	L2000N 10+50E	<0.2	3.07	15	<10	45	15	0.09	<1	12	9	13	1.99	<10	0.16	222	2	0.02	8	1600	26	<5	<20	4	0.05	<10	<1	<10	13	58
141	L2000N 14+50E	<0.2	1.52	20	<10	45	5	0.06	<1	8	11	13	2.19	10	0.24	206	2	<0.01	9	420	22	<5	<20	<1	0.04	<10	<1	<10	8	65
150	L2000N 19+00E	<0.2	1.79	45	<10	70	20	0.08	<1	10	12	20	4.10	20	0.20	161	5	<0.01	10	440	26	<5	<20	7	0.05	<10	<1	<10	6	64
159	L2000N 24+00E	<0.2	2.16	65	<10	70	10	0.08	<1	13	26	43	3.93	30	0.49	292	4	0.01	20	810	30	<5	<20	2	0.04	<10	<1	<10	18	94
168	L2100N 4+00E	<0.2	1.02	5	<10	40	10	0.08	<1	7	14	9	2.02	<10	0.20	51	2	0.01	6	270	18	<5	<20	2	0.06	<10	<1	<10	10	15
176	L2100N 8+00E	<0.2	1.81	10	<10	80	15	0.11	<1	13	25	20	2.52	10	0.53	108	2	<0.01	16	390	20	<5	<20	8	0.05	10	<1	<10	13	32
185	L2100N 12+50E	<0.2	3.87	10	<10	85	15	0.10	<1	14	12	33	2.49	<10	0.33	135	2	0.02	17	840	30	<5	<20	8	0.05	<10	<1	<10	15	44
203	L2100N 21+50E	<0.2	0.73	<5	<10	20	5	0.04	<1	3	4	6	1.54	<10	0.04	31	1	<0.01	<1	240	8	<5	<20	<1	0.03	<10	<1	<10	<1	9
211	L2100N 2+00W	<0.2	1.80	5	<10	35	5	0.06	<1	8	10	35	1.35	10	0.19	58	<1	0.02	14	270	22	<5	<20	2	0.04	<10	<1	<10	20	37
220	L2100N 6+50W	<0.2	2.68	10	<10	40	10	0.06	<1	6	8	18	2.12	<10	0.06	56	2	0.01	4	690	28	<5	<20	1	0.04	<10	<1	<10	<1	30
229	L2100N 11+00W	<0.2	3.10	5	30	10	0.05	<1	7	6	20	1.98	<10	0.06	185	2	0.01	4	1010	22	<5	<20	<1	0.05	<10	<1	<10	5	30	

TOKLAT RESOURCES INC.

ICP CERTIFICATE OF ANALYSIS AK99-599

ECO-TECH LABORATORIES LTD.

Et.# Tag # Ag Al % As B 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

Standard:

GEO'99		1.2	1.78	65	12	150	10	1.80	<1	19	68	85	3.84	<10	0.96	669	3	0.02	24	720	18	5	<20	57	0.10	<10	70	<10	8	70
GEO'99		1.2	1.79	65	10	145	10	1.84	<1	19	60	80	3.78	<10	0.98	654	3	0.03	24	710	22	10	<20	58	0.08	<10	75	<10	9	70
GEO'99		1.4	1.79	65	10	145	10	1.82	<1	18	64	79	3.84	<10	0.98	646	3	0.03	25	690	20	5	<20	62	0.08	<10	78	<10	8	70
GEO'99		1.4	1.93	65	13	150	5	1.86	<1	20	62	83	3.70	<10	0.96	684	2	0.03	26	750	20	15	<20	67	0.08	<10	76	<10	8	72
GEO'99		1.4	1.86	65	10	145	10	1.82	<1	19	59	82	3.87	<10	0.96	665	2	0.03	22	730	18	5	<20	61	0.10	<10	75	<10	8	71
GEO'99		1.4	1.74	65	12	145	5	1.80	<1	18	64	80	3.83	<10	0.98	646	2	0.02	24	690	20	15	<20	52	0.08	<10	75	<10	7	69
GEO'99		1.4	1.75	65	10	150	10	1.86	<1	19	64	84	3.85	<10	0.96	668	3	0.02	24	740	20	5	<20	58	0.08	<10	78	<10	8	70

dl/599/599b
XLS/99Toklat
fax:250-426-6899

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

9-Nov-99

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada HWY
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK99-626

TOKLAT RESOURCES INC.
2720-17th STREET SOUTH
CRANBROOK, B.C.
V1C 4H4

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

ATTENTION: TIM TERMUENDE

No. of samples received: 2
Sample Type: Silt
PROJECT #: Bootleg
SHIPMENT #: 2
Samples submitted by: T. Termuende

Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	B	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	TTBL99S01	<0.2	1.31	75	<10	60	<5	0.33	<1	18	17	60	2.20	20	0.47	614	3	0.01	18	460	24	<5	<20	14	0.07	<10	18	<10	33	105
2	TTBL99S02	<0.2	1.33	55	<10	60	5	0.31	<1	17	16	51	1.93	20	0.43	360	2	0.01	18	460	28	5	<20	8	0.06	<10	8	<10	35	103

QC/DATA:

Repeat:																															
1	TTBL99S01	<0.2	1.31	75	<10	55	5	0.34	<1	18	17	59	2.19	20	0.47	607	2	0.01	18	490	24	<5	<20	10	0.07	<10	16	<10	34	104	
Standard:																															
GEO'99		1.0	1.78	65	10	160	10	1.87	<1	20	64	80	3.96	<10	0.96	679	<1	0.02	22	690	20	<5	<20	56	0.10	<10	75	<10	8	66	

df/626
XLS/99Toklat
fax:250-426-6899

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

LEO 99-2

368083

45X2E

MIL 2
371304
690222M

690224M
371306
MIL 4

MAT 191
212719
937991

MAT 190
212718
937990

937941
MAT 143
212829
937948

937940
MAT 142
212828
937942

687529M
BL 27
366856
687527M

366859
687530M
BL 28
366857
687528M

BL 9
366836
687509M

BL 10
366837
687510M

MIL 1
371303
690221M

MIL 3
371305
690223M

MAT 193
212721
937993

MAT 192
212720
937992

MAT 145
212831
937946

MAT 144
212830
937944

MAT 59
212773
937859

BL 26
366855
687526M

BL 5
366832
687505M

BL 8
366835
687508M

MAT 3
212647
937831

BOOT 5

366826

4NX5W

MAT 147
212833
937947

MAT 146
212832
937946

MAT 99
212813
937899

BL 24
366853
687524M

BL 3
366830
687503M

BL 6
366833
687506M

MAT 33
212649
937833

MAT 148
212834
937948

MAT 101
212815
937901

BL 22
366851
687522M

ALSO
BL 1
366828
687501M

BL 4
366831
687504M

653619M
MAT 362
320169

MAT 360
320167
653700M

232897

NP BL 40
366849
687540M

BL 19
366846
687519M

BL 20
366847
687520M

BL 2
366829
687502M

MAT 363
320170
653618M

MAT 361
320168
653620M

BOOT 1

BL 39
366848
687539M

BL 17
366844
687517M

BL 18
366845
687518M

BOOT 2

342999

343000

4NX5W

5NX4E

BOOTLEG

MEN

230963

230964

