

LAROTH

824934

NTS 82E/6

RAIN / OK FALLS PROP.

R E P O R T

ON THE

O.K. FALLS GOLD PROPERTY

OSOYOOS MINING DIVISION

NTS LOCATION 82F/6

LATITUDE 49° 20' N.

LONGITUDE 119° 20' W.

CLAIMS OPTIONEE:

TIGRIS MINERALS CORPORATION

304-1155 WEST PENDER STREET

VANCOUVER, B.C.

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DATE:

AUGUST 31, 1987

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SUMMARY

Tigris Minerals Corporation has optioned the O.K. Falls Property from Lacana Mining Corporation. The property is within the Osoyoos Mining Division located in south central B.C. approximately 25 km southeast of the City of Penticton. Gold was discovered on the claim block as well as in the immediate vicinity in 1973 and subsequently staked by Lacana in 1980.

An exploration program conducted by Lacana during 1981, 1982 and 1983 consisting of geochemical, magnetometer and VLF-EM surveys as well as 20 diamond drill holes totalling 2,153.07 m produced encouraging results. The results indicated the presence of several narrow east-west striking and steeply dipping veins with values as high as 8.032 ozs of gold per ton over a core length of 0.5 m and 1.78 ozs of silver over 2.0 m. Several of the significant intercepts are summarized below.

Hole No.	Down-Hole Depth	Length (M)	Au Grade Oz./Ton
82-1	10.0-12.0	2.0	1.78
	62.0-64.0	2.0	0.21
82-5	38.0-40.0	2.0	0.48
82-6	74.0-76.0	2.0	0.43
83-9	52.15-52.65	0.5	8.03
	52.65-53.12	0.47	0.97
83-12	8.22-9.14	0.92	0.82
83-16	146-147	1.0	0.84
83-20	34.0-35.0	1.0	0.23

The property is underlain by an outlier of Tertiary volcanic and sedimentary rocks which overlies Monashee gneisses and Valhalla felsic plutonic rocks of the Omenica Crystalline Tectonic Belt. Mineralization consists of native gold and electrum contained in pyritic, brecciated quartz-carbonate veins, which also contains minor chalcopyrite, amethyst and fluorite. The host rock are propylitically altered and silified andesitic flows and tuffs, unconformably overlain by rhyolitic tuff.

The closest producer to the property was the Dusty Mac open pit located approximately 18 km to the west. Dusty Mac, by mining limited tonnage of 93,437 tons and shipping to a nearby custom mill, was able to do so at 1972-73 metal prices profitably. Although it has been reported that some geological and mineralogical similarities exist between the O.K. Falls property and that of the Dusty Mac mine, the writer is of the opinion that more work is required to confirm that theory.

Gold and silver assay results of chip samples taken from a rock cut on the logging road reportedly produced assays as high as 0.4 ozs of gold per ton and 0.81 ozs of silver per ton. It was those results which justifiably prompted the staking and initial exploration program described in this report.

The writer after visiting the property and examining all the information obtained to date has recommended a budget of \$148,100.00.

The program should consist mainly of surface trenching, blasting and diamond drilling as well as airborne geophysics.

A report prepared by W.N. Pearson Ph.D., exploration geologist and associate of Derry, Michener, Booth and Wahl Consulting Geologists and Engineers of Toronto, as well as an "in house" report by R.C. Wells, B.Sc., F.G.A.C. of Lacana Mining Corporation was reviewed by the writer to arrive at the conclusions and recommendations contained in this report. Mr. Wells supervised the diamond drill program as well as interpreted the geology on the property.

1.0 CONCLUSIONS

Results of exploration work to date indicate that a further exploration program designed to delineate near surface tonnage, which could be mined and milled in a somewhat similar fashion to the Dusty Mac project, would have good potential. Should such a venture be justified by the exploration program results, considerable knowledge of the ore would be obtained as well as possibly deferring some exploration cost.

It has been suggested by W.N. Pearson, Ph.D. that "the style of mineralization and the nature of the host rock suggest the presence of an epithermal mineralizing system similar to that at the nearby former Dusty Mac mine. The presence of fluorite, amethyst and the lower silver:gold ratio indicate that the O.K. Falls property may have been located at a higher crustal level than was Dusty Mac and more distant from the mineralized source."

The coincident magnetic low zone and VLF-EM anomalies on the southern section of the grid area shown in Figure 2 should be examined since they could reflect a more highly altered shear zone.

The O.K. Falls property remains in favourable geological setting as nearby producers and former producers would indicate. Only a small area of the property has been explored and the potential for more ore zones in the tertiary volcanic outlier still remains to be evaluated.

2.0 RECOMMENDATIONS

A program of surface trenching and blasting should initially be undertaken to produce fresh samples as well as help to determine the true width and attitude of the ore zone. Simultaneously, the airborne geophysical survey could be performed.

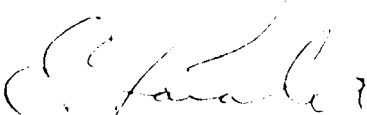
Results from the trenching, blasting and geophysical survey will help to locate diamond drill target, however, sufficient information is presently available to justify a limited diamond drilling program.

A budget of \$148,100.00 has been submitted for the first phase. If a second phase is justified it would most likely consist of further diamond drilling and a separate budget should be submitted.

3.0 BUDGET

Airborne Magnetometer VLF Survey	\$ 20,000
Trenching 70 hrs. @ \$80/hr.	5,600
Blasting 2 men - 10 days @ \$400/day including room and board	4,000
Supplies and equipment rental	3,000
Assaying	4,500
Geologist and helper 30 days @ \$400/day incl. room and board	12,000
Vehicles rent	3,000
Diamond Drilling - 1,000 m @ \$75/m	75,000
Report and data compilation	<u>5,000</u>
Total	132,100
Contingency	<u>16,000</u>
Total	<u><u>\$148,100</u></u>

Respectfully Submitted,




Eugene N. Larabie, P.Eng.

4.0 INTRODUCTION

Pursuant to a request from the directors of Tigris Minerals Corporation of Suite 304, 1155 West Pender Street, Vancouver, B.C., Eugene N. Larabie, P.Eng. of Laroth Engineering Ltd. has examined the exploration data on the O.K. Falls property and prepared this report.

An examination of the property was made on June 29th, 1987 along with Darrel Johnson of Lacana and George Partridge, B.A., F.G.A.C. of Laroth Engineering Ltd. Mr. Partridge took seven chip samples from surface outcrops, results of which are recorded on Table 1. All pertinent exploration data was made available and examined.

Two diamond drill holes were subsequently re-logged and the remaining one half of the split core sent for assaying.

The writer is familiar with the general area as he has visited numerous properties in the area as well as acted as assistant manager from 1970 to 1975 for the Teck Corp. mine at Beaverdell located to the east of the O.K. Falls property and later as mine manager of Dankoe Mines located to the southwest.

4.1 Location and Access (Figure 1)

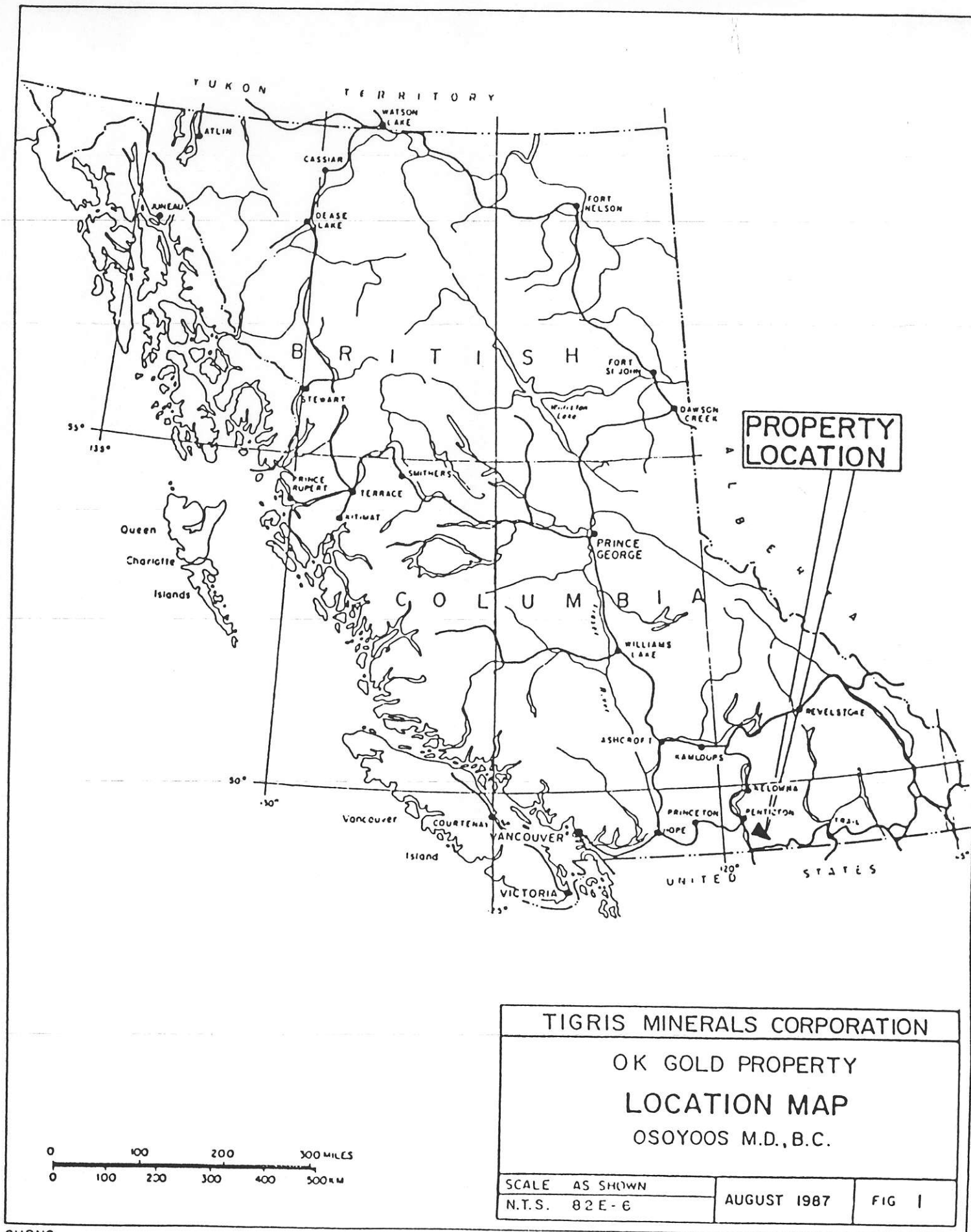
The mineral claims are situated east of the Okanagan valley and is accessed by 26 km of logging road which leaves highway 97 one km south of the town of O.K. Falls. The claims are situated within the National Topographic System area 82F/6 at 49° 20' North Latitude and 119° 20' West Longitude.

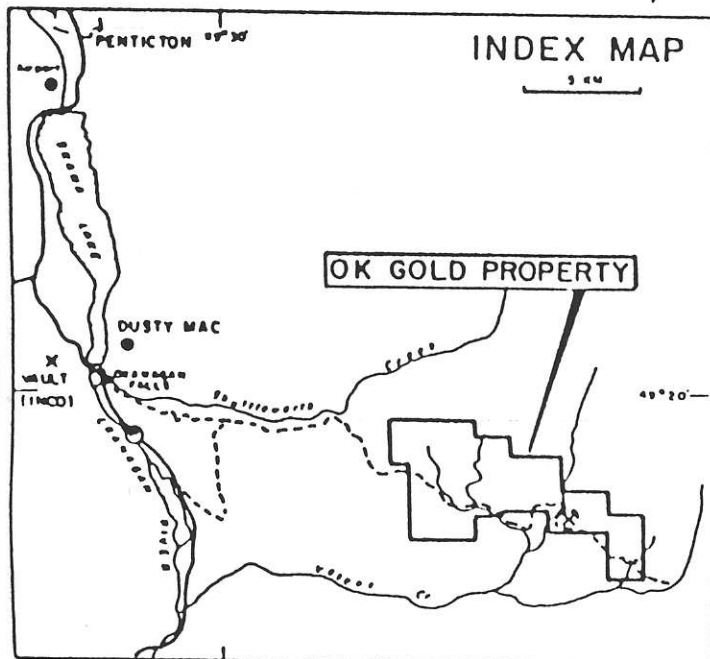
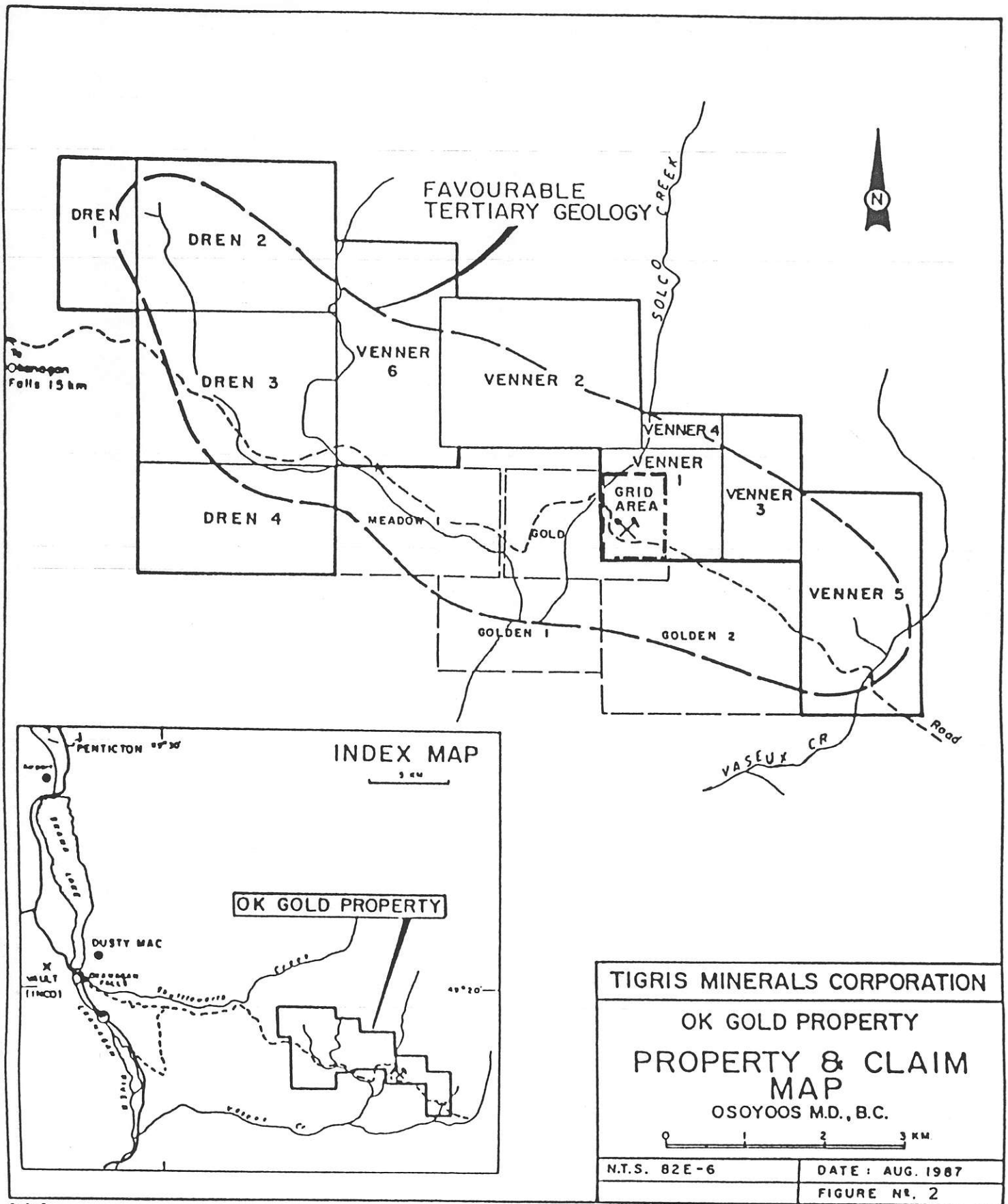
4.2 Topography and Climate

The property is located in the gently rolling "Okanagan Highlands" in south-central B.C. at elevations of 1350 to 1750 m. Vegetation is abundant and consists mainly of small to medium sized fir and pine trees. The climate is typical of south-eastern British Columbia where average precipitation is 20 to 25 cm of rain with light to medium snowfall at that elevation. Freezing conditions are mainly between mid November to mid March.

4.3 Property Description (Figure 2)

The O.K. Falls property is located in the Osoyoos Mining District of British Columbia, NTS 82F/6. The property consists of 10 claims totalling 3540 ha. The geographic coordinates are 49° 20' North Latitude and 119° 20' West Longitude.





TIGRIS MINERALS CORPORATION	
OK GOLD PROPERTY	
PROPERTY & CLAIM	
MAP	
OSOYOOS M.D., B.C.	
0 1 2 3 KM	
N.T.S. 82E-6	DATE: AUG. 1987
FIGURE No. 2	

The property consists of following claims:

<u>Name</u>		<u>No. of Units</u>	<u>Record No.</u>	<u>Expiry Date</u>
Venner	3	8	1694	March 21, 1988
"	4	2	1695	March 21, 1988
"	-	9	1078	Sept. 5, 1994
"	6	18	1917	Oct. 17, 1989
"	5	18	1916	Oct. 17, 1989
"	2	20	1273	Oct. 10, 1990
Dren	1	15	2594	April 21, 1988
"	2	20	2595	April 21, 1988
"	3	20	2596	April 21, 1988
"	4	8	2597	April 21, 1988

Lacana holds the foregoing claims in trust for Canadian Minerals Joint Ventures (1980) a partnership. Lacana as operator of this joint venture has the authority to enter into agreements in respect to the aforementioned claims. Tigris may earn 100% interest in the property by spending \$500,000 on the property, before December 31, 1990 subject to a 10% net profit royalty from any production. Lacana has also retained the right to participate as to 72% of exploration expenditures, until December 31, 1992 in a joint venture with Tigris.

5.0 EXPLORATION HISTORY

Mineralization in this part of British Columbia was first discovered in 1887 in the Beaverdell Area 40 km east of

Penticton, which has since produced over 30 million ounces of silver with lead and zinc as well as some gold and cadmium. The mineralization occurs in variably oriented quartz-breccia veins or stock works within quartz monzonite and quartz diorite stocks and batholiths of the cretaceous Nelson and Valhalla intrusives. Wall rock alteration is mainly propylitic, with minor sericitization. The intrusives and mineralized veins are overlain by outlying remnants of Tertiary tuffs and lavas which are not mineralized. Teck Corp. continues to produce in the order of 400,000 oz/ Ag/year from its Beaverdell operations.

Camp McKinney is located approximately 19 km southeast of the "O.K." Gold property. (Figure 4) The Cariboo-Amelia mine was the principal producer of the camp and produced 69,581 ozs. of gold from 123,457 tons of ore between 1894 and 1903. The camp has been inactive since the early years of the century, although several attempts at revival have been since made. Camp McKinney is underlain by finely banded sedimentary series, the most common being quartzite and greenstones. Production has come almost entirely from one vein, a quartz-filled fissure ranging up to 3m wide.

The Dusty Mac mine at Okanagan Falls, which produced 93,437 tonnes of ore with an average grade of 6.22 g Au/t and 109 g Ag/t in the mid-1970's, was the first indication of significant mineralization occurring in outliers of Tertiary supracrustal

rocks. Gold-silver mineralization with some similarities to that at Dusty Mac was first exposed in the O.K. Falls project area in a road cut in 1973 and staked by Messrs. Ewers, Thompson and McLean of Okanagan Falls as the Au-Rain claims. The road cut is located in what is now Energex's "Gold" claims, some 40 m west of Lacana's current Venner claim. Later that year Teck Corporation performed brief magnetometer, VLF-EM, geological mapping and soil geochemical surveys. Rock chip samples were collected from the road-cut and contained assays ranging up to 0.4 oz. Au/ton and 0.81 oz. Ag/ton.

In 1975 and 1976 the claim owners and Granby Mining Co. performed trenching, rock sampling and geochemical twig sampling programs. Trenching revealed additional gold mineralization 50 m west of the Road Zone in Trench A (up to 0.07 oz. Au/ton and 0.03 oz. Ag/ton) and 140 m east of the Road Zone in Trench G (up to 0.44 oz Au/ton and 0.69 oz. Ag/ton (see Figure 3). Only minor work was performed subsequently and the claims lapsed in 1978. The Gold claim, currently held by Energex, was staked in 1979 and in May of 1980 Lacana Mining Corp. acquired the Venner claim to the east of the Gold claim.

In 1981 Lacana conducted soil geochemical, magnetometer and VLF-EM surveys and trenching over parts of the Venner claim and stream sediment sampling over the surrounding area. The best results were obtained from Trench G which returned 0.44 oz.

LEGEND

EOCENE

- 4 Felspathic crystal tuff, rhyolite
- 2a Andesitic feldspar porphyry
- 2b Andesitic biotite - feldspar porphyry

- Area of silicification
- Quartz - carbonate vein, outcrop projected to surface
- Geological contact
- Limit of outcrop

- VLF-EM anomaly
- Limit of broad magnetic low zone
- Axis of narrow negative magnetic anomaly
- Claim boundary
- 83-7 Lacana diamond drill hole collar & azimuth
- DDH-1 Rio Algoma - " - " , 1984
- 1.0, 7, 13 " " " rock chip sample - Ag ppm, As ppm, Au ppb
- 2941 Sample number

ROCK ASSAY RESULTS (SAWYER, 1979)

	Au, oz/ton	Ag, oz/ton	Length, ft
ROAD ZONE	0.18	0.28	6
	0.06	0.05	8
TRENCH G	0.44	0.69	7

MEADOW
ZONE

MEADOW
ZONE

(ENERGEX)

(TIGRIS OPTION)

GOLD VENNER

TIGRIS MINERALS CORPORATION

OK GOLD PROPERTY
COMPILATION MAP

OSOYOOS M.D., B.C.

0 50 100 200 Metres

N.T.S. 82E-6

DATE: AUG. 1987

FIGURE No 3

Au/ton over 2 m. No other rock or soil anomalies, however, were located. The Venner 2 claim was staked in October, 1980 to protect areas surrounding gold in stream sediment anomalies. Follow-up sampling of these streams failed to substantiate the anomalies.

In 1982 Lacana completed six diamond drill holes totalling 485.7 m in the vicinity of Trench G. Three of the six holes drilled intersected gold mineralization over 1 to 4 m intervals, the best intercept of which assayed 1.78 oz./ton gold over 2.0 m (see Table 2). In addition, detailed magnetometer and VLF-EM surveys were completed over these areas in the southwestern portion of the Venner claim. These indicated the presence of a weak east-west trending low magnetic zone and VLF anomaly associated with the known mineralized zone.

In 1983 the zone was tested by 14 diamond drill holes for a total of 1667.37 m. These revealed the presence of several narrow, possibly discontinuous, veins containing native gold and electrum; assays ranged up to 8.032 oz. Au/ton over core lengths of 1.0 m. A detailed magnetometer survey was completed around the mineralized area and the Venner 3-10 claims were staked to protect areas of potentially favourable geology to the northwest. Claims Venner 7-10 were allowed to lapse and restaked as Nerd 1-4 claims and recently as the Dren 1-4 claims.

In 1984 geological mapping, VLF-EM and reconnaissance soil geochemical surveys were conducted over parts of the Venner 7-10 claims (now restaked as the Dren 1-4 claims). No anomalous geochemical results were obtained but much of the surficial material encountered was alluvial rather than residual. The VLF survey produced broad east-west trends which probably reflect the strike of the volcanic units but no anomalies were detected.

In 1984 Energex's property to the immediate west was optioned to Rio Algom Exploration which performed soil geochemical, magnetometer and VLF-EM surveys and completed three diamond drill holes for a total of 456.59 m. One hole was drilled immediately west of the Road Zone and two holes tested the arsenic-gold rock and soil anomaly located 200 m to the southwest but only minor geochemically anomalous gold, silver and arsenic values were obtained. Rio Algom personnel recommended more drilling to test the Road Zone but no further work was done and the option was terminated.

6.0 GEOLOGY

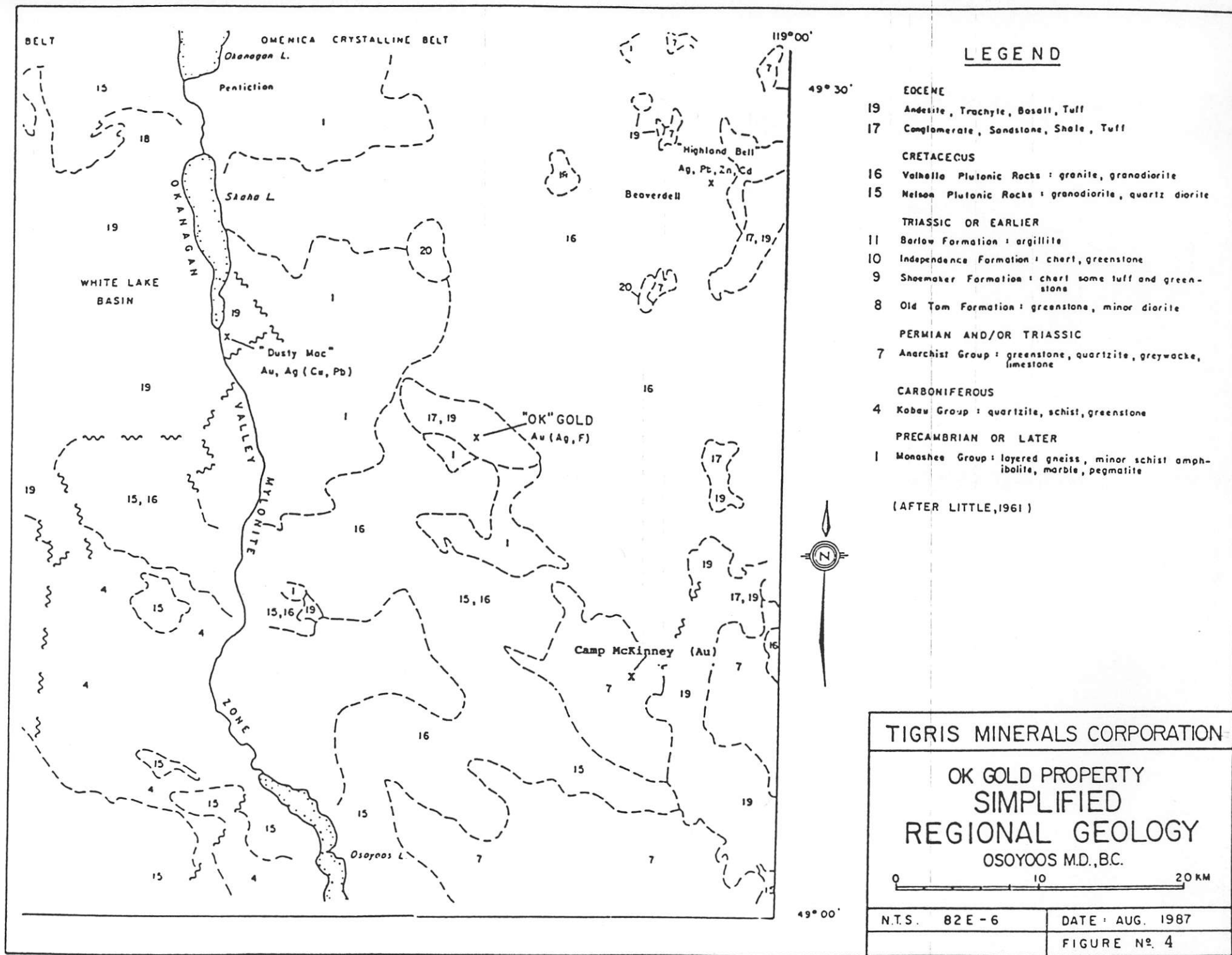
6.1 Regional Geology (Figure 4)

The optioned O.K. Falls property is located 13 km east of the Okanagan Valley along which is the boundary between Intermontane

tectonic belt to the west and the Omenica Crystalline belt to the east. The latter is characterized by highgrade sillimanite-bearing gneisses of the Precambrian Monashee complexes whereas the Intermontane belt contains rocks of variable and much lower grade metamorphism. Major mylonite bodies which occur along the Okanagan Valley are attributed to eastward movement of the Intermontane complex over rocks of the Omenica Crystalline belt during late Jurassic time, which probable re-activation during the Eocene period (Ross, 1981). Cretaceous Valhalla granitic rocks intrude the Monashee gneisses.

Erosional remnants of Eocene sedimentary and volcanic rocks unconformably overlie older rocks on each side of the Okanagan Valley (Church, 1973; Ross, 1981). They include basal conglomerates and breccias overlain by basaltic and andesitic flows and fluvial and lacustrine sediments. Recent work by GSC geologists in the Okanagan area suggests that the Tertiary outliers may be remnants of an allochthonous thrust sheet. Miocene and Pliocene basalts also occur as erosional remnants east of the Okanagan Valley.

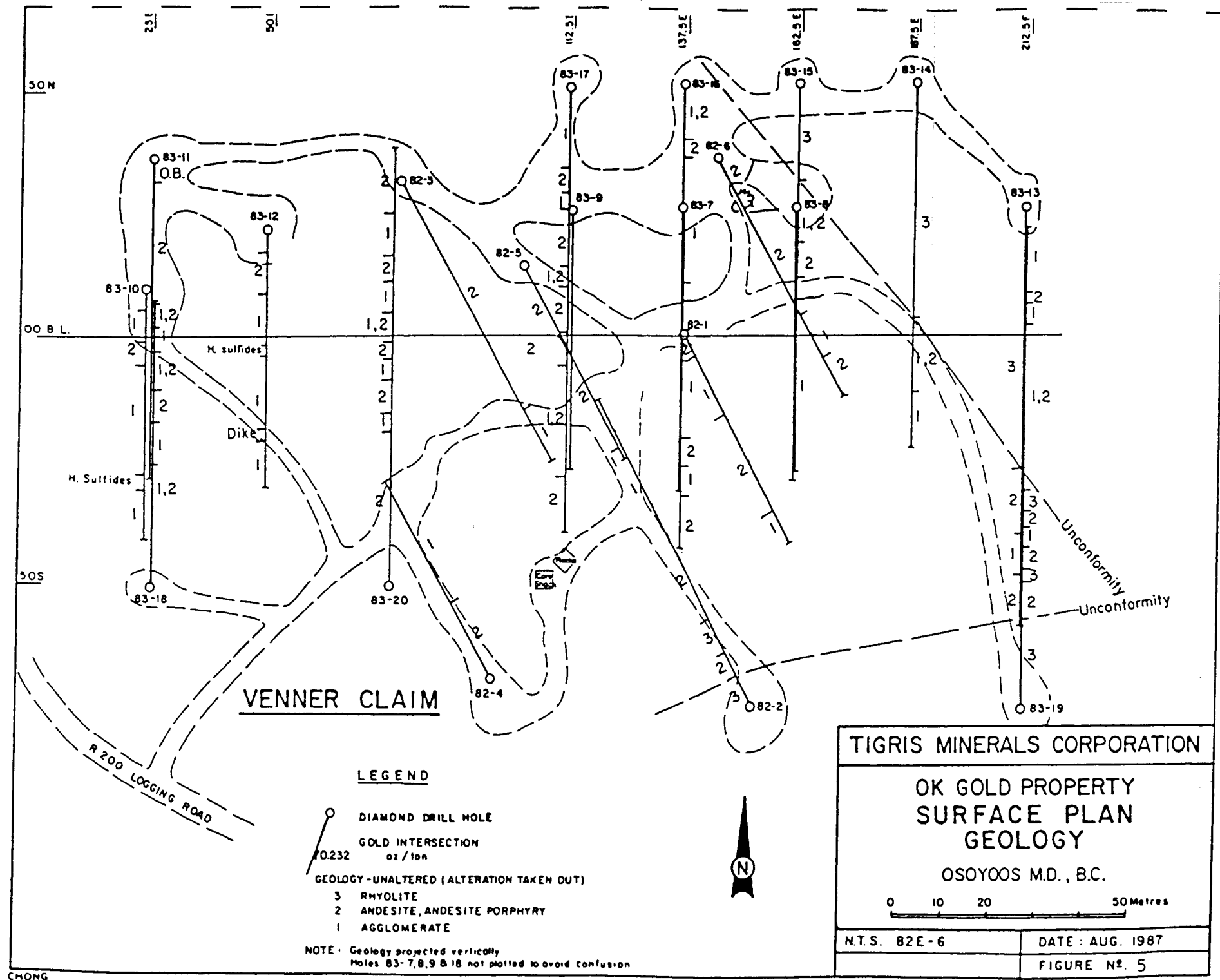
The gold showings on the Lacana and Energex claims southeast of Okanagan Falls are hosted by Eocene andesitic lavas and tuffs which have been locally pervasively replaced by chalcedony and



cut by steeply-dipping quartz-carbonate veins up to 1.5 m wide. The volcanic rocks and style of mineralization somewhat resembles the former Dusty Mac mine at Okanagan Falls (Figure 4) which was mined by open pit methods during 1975 and 1976. The volcanic rocks at the O.K. Falls property and Dusty Mac mine are believed to be equivalent to the White Lake volcanoclastic units mapped by Church (1973) west of Okanagan Falls. Production from the Dusty Mac mine is reported as 198,572 tonnes of which 93,437 tonnes was ore which averaged 6.22 g Au/t and 109 g Ag/t. In addition, 2,365 kg Cu and 1,523 kg Pb were produced.

6.2 Property Geology (Figure 5)

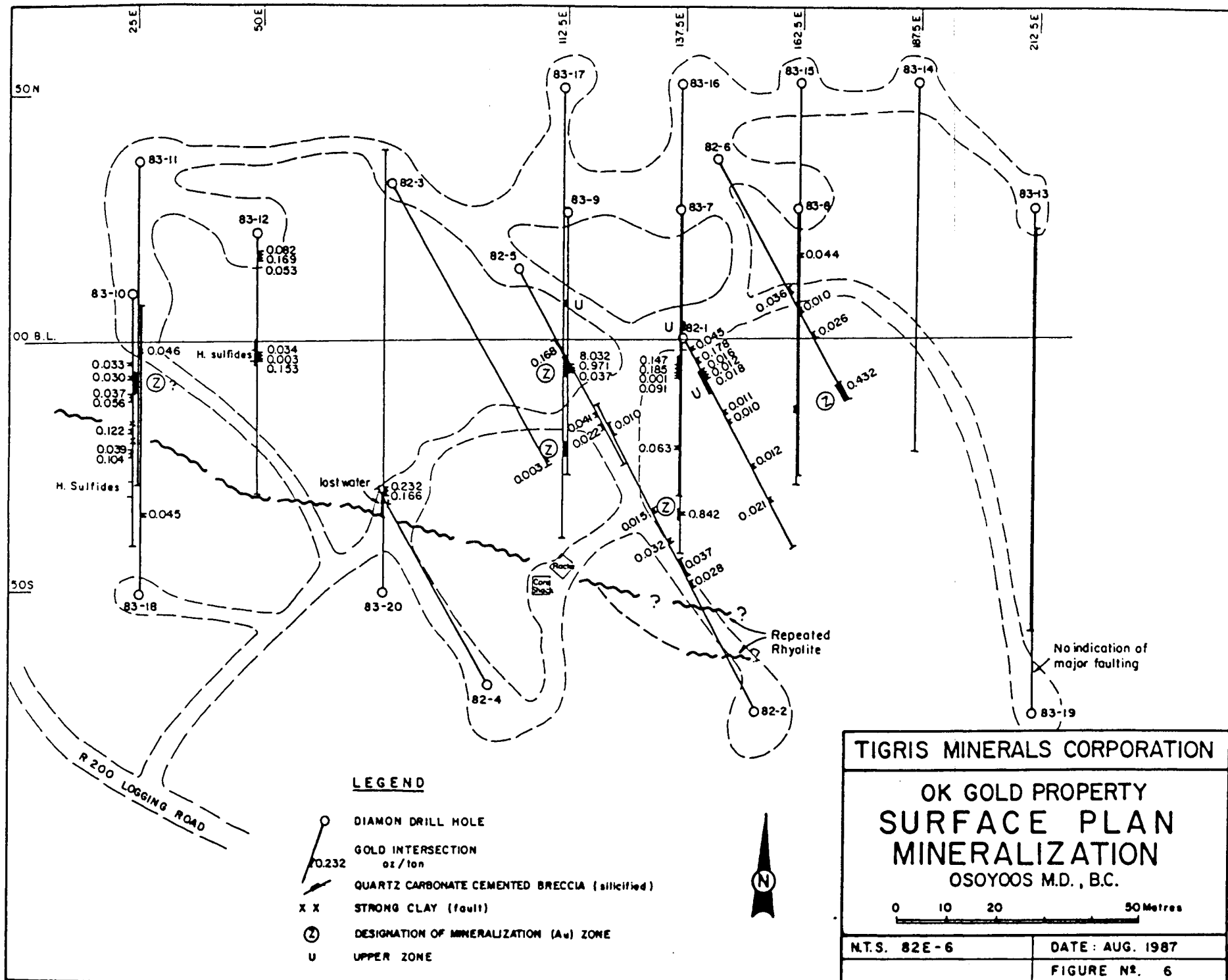
Light and dark green, medium-grained banded gneiss of the Monashee Complex outcrops in the northwestern parts of the O.K. Falls claim group and, according to Cairnes (1936), is found along the entire northeastern edge of the Eocene volcanic outlier and along parts of its southwestern edge. Fresh and apparently unaltered granite and granodiorite outcrops of the Valhalla intrusions occur in the western and southern parts of the claim group interspersed with Monashee gneisses. Eocene volcanic and sedimentary rocks underlie the greater part of the O.K. Falls property and form a northwest-southeast trending outlier some 12 km long and 3 km wide. In the southwestern part of the Venner claim and the adjacent gold claim the



predominant lithologies are porphyritic andesitic flows and agglomerates overlain unconformably by massive to rubbly rhyolite flows; a regolith occurs at the unconformity between the two. The intermediate volcanics dip at 40° to 60° to the northeast; the rhyolite appears to have variable dips to the northeast, east and southeast. It appears to be overlain by easterly dipping conglomerates, volcanic sandstone and tuff. Southwest of the Road Zone Rio Algom diamond drill hole #3 intersected a felsic crystal tuff below the feldspar-phyric andesitic tuff. Felsic dykes have been observed in several drill holes. Rhyolitic feldspar crystal tuffs are common in the Dren claim group and are interbedded with lesser graphitic silty shale beds up to 5 m thick. The Tertiary rocks appear to be dissected by a series of northwest-trending faults which have downdropped strata to the east. A fault striking at 280° has been intersected by several of Lacana's drill holes.

6.3 Mineralization (Figure 6)

Gold and silver mineralization in the Road Zone is associated with limonitic fractured, propylitically altered andesite which is locally pervasively replaced by chalcedony and is cut by steeply-dipping quartz-carbonate veins up to 1.5 m wide. Finally disseminated pyrite locally forms 1 % of the silified rock.



Drill logs suggest that gold mineralization in drill core is contained within silica carbonate-cemented andesite breccia and clay altered and hematitized andesite. Silified zones in the andesite volcanics may contain up to 15% by volume of sulphide minerals; mainly pyrite with lesser pyrrhotite and minor chalcopryrite, which occurs as blebs, lenses, disseminations and fragments. This material may be auriferous; e.g. in hole 83-12 an assay of 0.169 ozs. of gold per ton over a core length of 1.0 m was obtained but similar sulphide zones in other holes were barren.

Laboratory studies have shown that gold occurs as native gold in association with potassium feldspar and quartz, and as inclusions as small as 1 micron within and on surface of pyrite. Electrum containing up to 30% silver has been recognized in the core, associated with pyrite and silica. Fluorite and amethyst are common accessory minerals.

6.4 Sampling (Figure 3)

Sawyer (1979) reported a value of 0.18 ozs. gold per ton from a 1.9 m chip sample of the Road Zone and 0.44 ozs. gold per ton and 0.69 ozs. silver per ton from a 2.2 m chip sample from similar material on the O.K. Falls property. Sawyer (1979)

also reported weak gold mineralization from overlying porphyritic rhyolite: 0.01 ozs. gold per ton and 0.06 ozs. silver per ton.

Results of samples taken on June 29th, 1987 on behalf of Laroth Engineering Ltd. by G. Partridge, B.A., F.G.A.C. are described on Table 1. Location of the samples are shown in Figure 3.

All the core is available and well stored on the property, the mineralized zones have been split and sent for assay. The remaining portion of the core in holes 82-5 and 83-16 were sent for assay, results are recorded on Table 2. George Partridge, B.A., F.G.A.C. re-logged those two aforementioned holes, log data is also included in the Appendix "B".

Results of Mr. Partridge's samples are compared with previous core samples on Table 2. Assays are consistant with the type of mineralization whereby fine native gold may effect the values in one half of the core and not in the second half of the split. It would appear that in the future, more accurate results could be obtained by sampling all of the core thereby refraining from splitting the core samples.

TABLE 1

Sample description and results of samples taken by G. Partridge,
B.A., F.G.A.C. July 29, 1987.

<u>Sample No.</u>	<u>Description</u>	<u>Width</u>	<u>ozs./per ton</u>
2938	Silicious stringers in altered porphoritic andesite	0.3m	0.004
2939	Footwall of stringers in sample #2938 less alteration	0.5m	0.003
2940	Stringers or lenses of quartz in altered andesite	0.2m	0.109
2941	Contiguous to #2940 altered andesite (epidote-chorite) brecciated some quartz	0.8m	0.142
2942	45' west of previous samples at collar of D.D.H. 82-1 highly altered andesite with narrow stringers of quartz	grab	0.012
2943	Outcrop 65 m S.W. highly altered andesite-diorite	grab	0.004
2944	Same outcrop highly - altered andesite some quartz stringers	grab	0.002

7.0 GEOCHEMICAL AND GEOPHYSICAL RESULTS

Detailed magnetometer and VLF-EM surveys were completed in the southwestern corner of the Venner claim taking readings on 12.5 m centers. The magnetometer survey revealed a broad magnetic-low zone trending roughly east-west which coincides with the area underlain by altered and mineralized andesitic volcanic rocks. The surrounding area with higher magnetic susceptibility corresponds to the overlying rhyolite unit which contains disseminated magnetite.

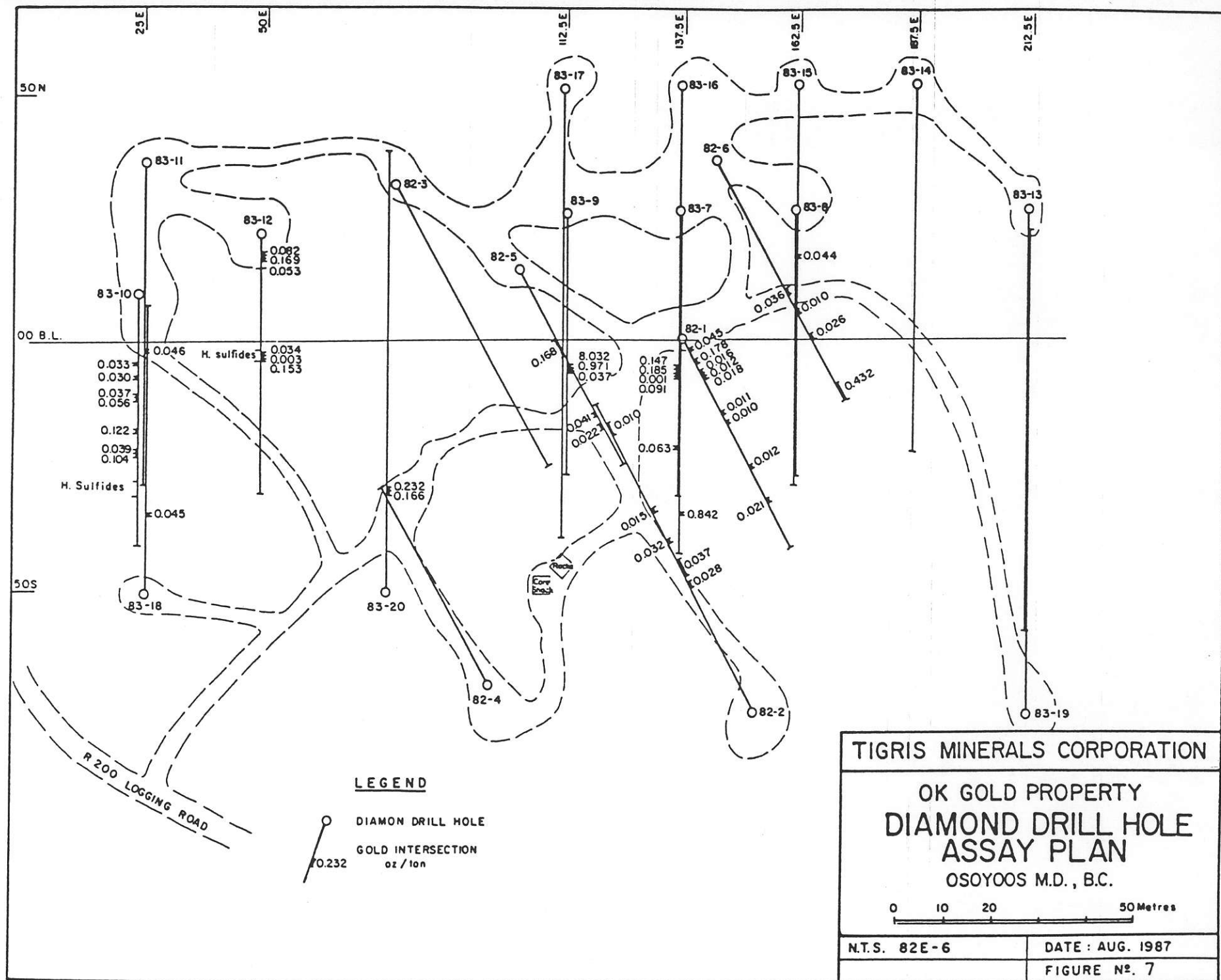
The geophysical surveys completed by Rio Algom in 1984 were performed on lines oriented east-west. Surveys along north-south lines will be required to determine the westward continuity of the geophysical features noted on Lacana's property.

A VLF-EM survey indicated a weak anomaly coincident with the strongest part of the magnetic low zone crossing the southern edge of the drill-tested area (see Figure 3). Weaker gold values have been obtained in several drill holes on the northern side of this feature which may warrant further testing.

Geophysical and geochemical surveys conducted over what is now the Dren 1-4 claims in 1984 revealed no anomalous features and are therefore not included in this report.

8.0 DIAMOND DRILLING

Figure 7 shows the location of diamond drill holes completed to date on the Lacana property. Table 2 lists the mineralized intersections obtained by Lacana on the Venner claim. Mineralized intersections in drill holes nos. 82-1, 82-5, 82-6, 83-7, and 83-9 can be reasonably interpreted as part of the same steeply south-dipping vein (marked Z in Figure 6). The absence of mineralized intercepts in holes no.s 83-8 and 83-15 indicates some discontinuity in the vein. Similarly, deeper intercepts in holes 82-1, 82-5, 83-7, 83-9 and possibly 83-16 (marked U in Figure 6) represent a second vein south of and subparallel to the first. Neither vein has definitely been intersected west of hole 83-9, at depth in hole 83-17, nor east of hole 82-6. The presence of several other mineralized vein structures is evident both north and south of the two main veins (Figure 6).



LAROTH

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TABLE 2

Summary of Mineralized Diamond Drill Hole Intercepts -


O.K. Falls Project

<u>Hole No.</u>	<u>Intercept (m)</u>		<u>Au Grade (oz./ton)</u>	<u>G. Partridge Results</u>
	<u>Down-Hole Depth</u>	<u>Length</u>		
82-1	5.0- 6.0	1.0	0.045	
	10.0-12.0	2.0	1.78	
	38.0-40.0	2.0	0.110	
	60.0-62.0	2.0	0.039	
	62.0-64.0	2.0	0.210	
82-5	22.0-24.0	2.0	0.168	0.164
	24.0-26.0	2.0	0.123	0.204
	36.0-38.0	2.0	0.080	0.044
	38.0-40.0	2.0	0.476	0.120
	46.0-48.0	2.0	0.041	0.001
82-6	74.0-76.0	2.0	0.432	
83-7	52.36-53.34	0.98	0.147	
	53.34-54.35	1.01	0.185	
	55.35-56.38	1.03	0.092	
	80.47-81.47	1.00	0.063	
83-9	52.15-52.65	0.50	8.032	
	52.65-53.12	0.47	0.971	
	73.8-74.8	1.0	0.091	
83-10	29.0-30.0	1.0	0.056	
	38.0-39.0	1.0	0.122	
	45.0-46.0	1.0	0.104	
83-11	63.4-64.4	1.0	0.046	
83-12	8.22-9.14	0.92	0.82	
	9.14-10.06	0.92	0.169	
	10.06-11.00	0.94	0.053	
	44.5-45.5	1.0	0.153	
83-15	58.0-59.0	1.0	0.044	
83-16	146-147	1.0	0.842	0.234
83-18	26.0-27.0	1.0	0.045	
83-19	88.0-89.0	1.0	0.076	
83-20	15.0-16.0	1.0	0.016	
	33.0-34.0	1.0	0.166	
	34.0-35.0	1.0	0.232	

CERTIFICATE OF QUALIFICATIONS

I, EUGENE N. LARABIE OF 325 Peck Road, Kelowna, British Columbia, hereby certify that:

1. I am a Consulting Engineer and President of Laroth Engineering Ltd., with an office at Suite 405, 595 Howe Street, Vancouver, British Columbia.
2. I am a Professional Engineer registered in British Columbia and Ontario.
3. I have practiced my profession since 1957 and have held several positions of responsibility in the mining and mining exploration field throughout Canada and the U.S.A.
4. The information contained was compiled from data and reports supplied by Lacana Mining Corporation and the conclusions and recommendations I made agree substantially with those made by Lacana geologist, R.C. Wells, B.Sc., F.G.A.C. and confirmed by W.N. Pearson, Ph.D. Geology, of Derry, Michener, Booth and Wahl.
5. I own no direct, indirect and do not expect to receive any contingent interests in the subject property or shares or securities of Tigris Minerals Corporation.
6. I consent to and authorize the use of the attached report and my name in the Company's Prospectus, Statement of Material Facts or other public documents.


Eugene N. Larabie, P.Eng.



August 31, 1987

CERTIFICATE OF QUALIFICATIONS

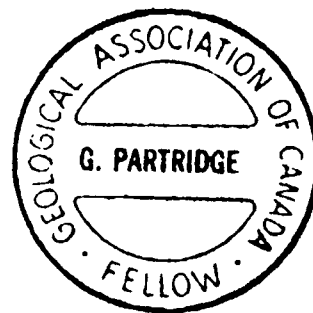
I, George H. Partridge, B.A., F.G.A.C., of R.R.#1, Osoyoos, British Columbia, hereby certify as follows:

1. I am employed as a geologist with Laroth Engineering Ltd. Suite 405, 595 Howe Street, Vancouver, British Columbia;
2. I am a graduate of McMaster University at Hamilton, Ontario and hold a Bachelor of Arts degree in Geology. (1961);
3. I have been engaged in geological work continuously since 1962. I held the position of Chief Geologist at several mines in B.C. and the Yukon;
4. I am a Fellow of the Geological Association of Canada;
5. I did personally take the samples and perform the work described in this report;
6. I have no interest, either directly or indirectly, in the " O.K. Falls Property" or securities of Tigris Minerals Corporation;

Dated at Osoyoos, British Columbia, this 28th day of August, 1987.



George H. Partridge, B.A., F.G.A.C.
Consulting Geologist



CERTIFICATE OF QUALIFICATIONS

I, RONALD C. WELLS of the City of Kamloops, British Columbia,
do hereby certify that:

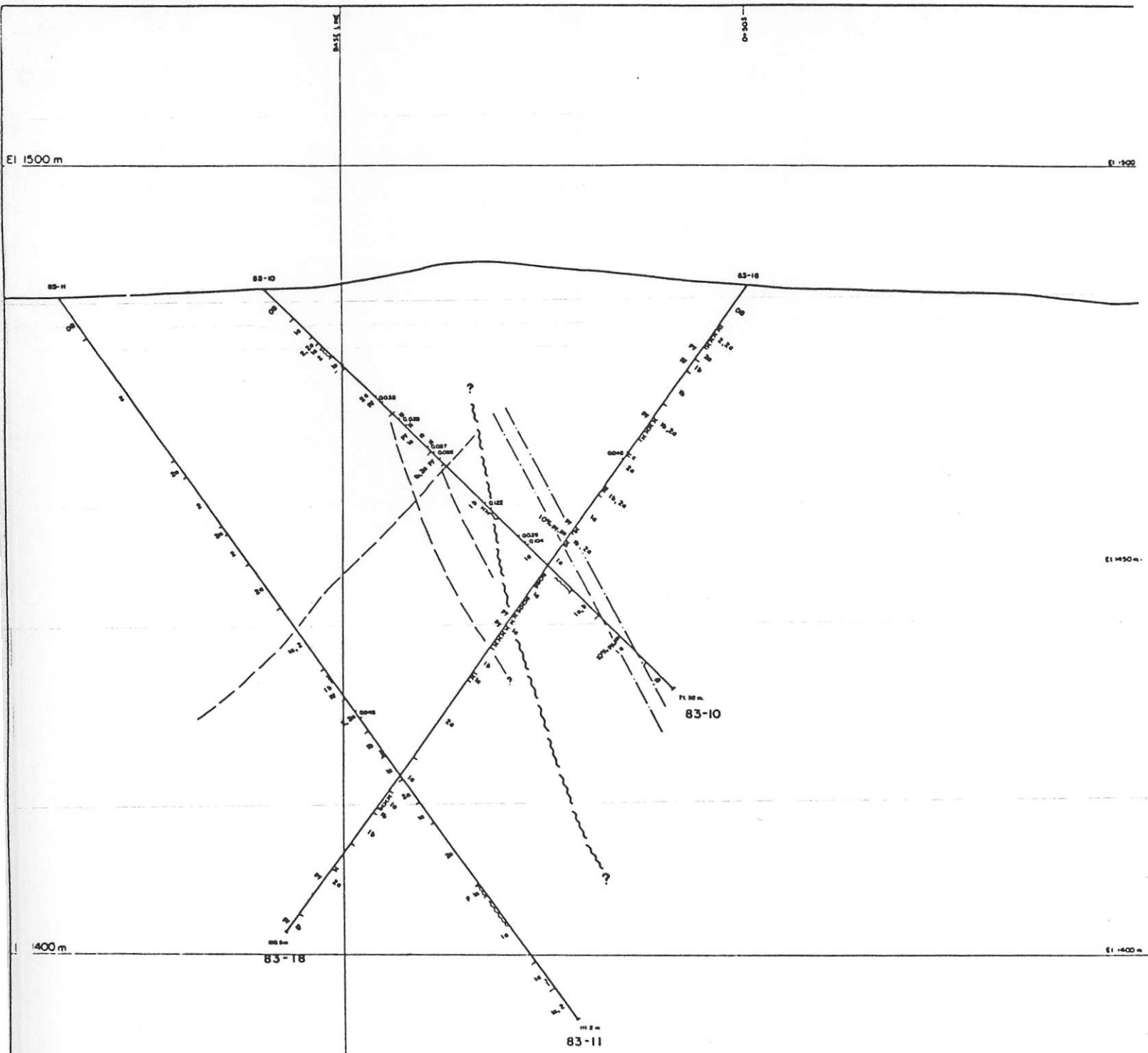
1. I am a Fellow of the Geological Association of Canada.
2. I am a graduate of the University of Wales, U.K. B Sc (1975) and did post graduate studies at Laurentian University (1976-1977) and have practiced continuously as an exploration geologist for 10 years (Canada, U.S.A.).
3. I am employed as a District Geologist with Lacana Mining Corporation with an office located at 208 - 2985 Airport Dr., Kamloops, B.C.
4. I did personally undertake detailed core logging, data interpretation and geological studies on Lacana Mining Corporation's O.K. Falls Property, Osoyoos Mining Division, B.C.

Ronald C. Wells, B Sc., F.G.A.C.

Dated at Vancouver, B.C.

July 29 1987

R. C. Wells



LEGEND

- Porphyritic andesite (relatively fresh)
- Altered - hematized andesite porphyry
- Strong clay alteration
- Siliceous alteration/breccia
- Agglomerate/breccia
- Altered - hematized agglomerate
- Bleaching
- Rhyolite
- Dominant sulfide mineral when >1%
- Fluorite
- Carbonate vein (>10cm)
- Projected fault
- Geological contact (projected-presumed)
- Mineralized zone
- Au assay, oz/ton

TIGRIS MINERALS CORPORATION

OK GOLD PROPERTY

CROSS SECTION 0+25E

OSOYOOS M.D.B.C.

NTS 82E-6 DATE AUG 987
FIGURE NO. 1

00 78

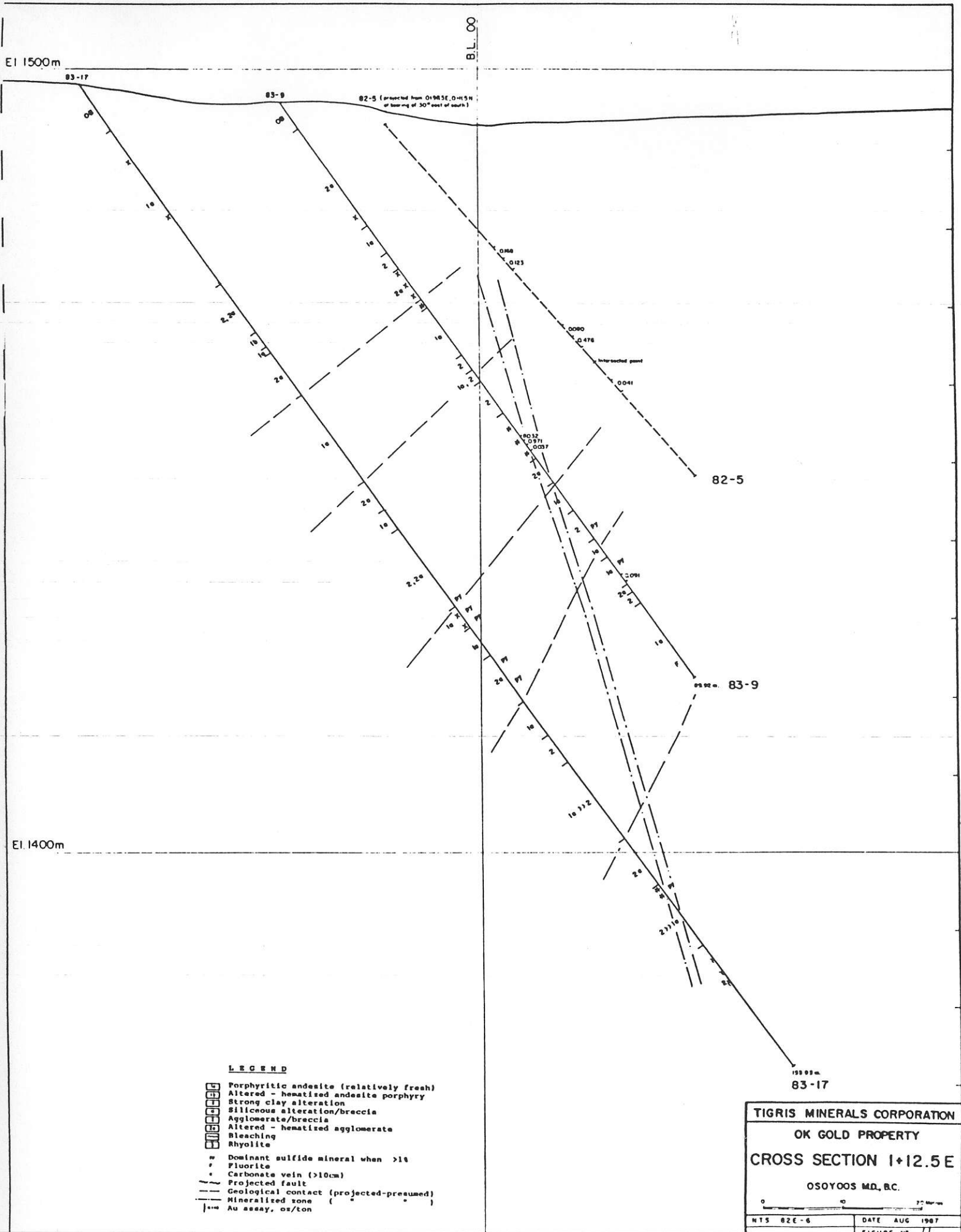
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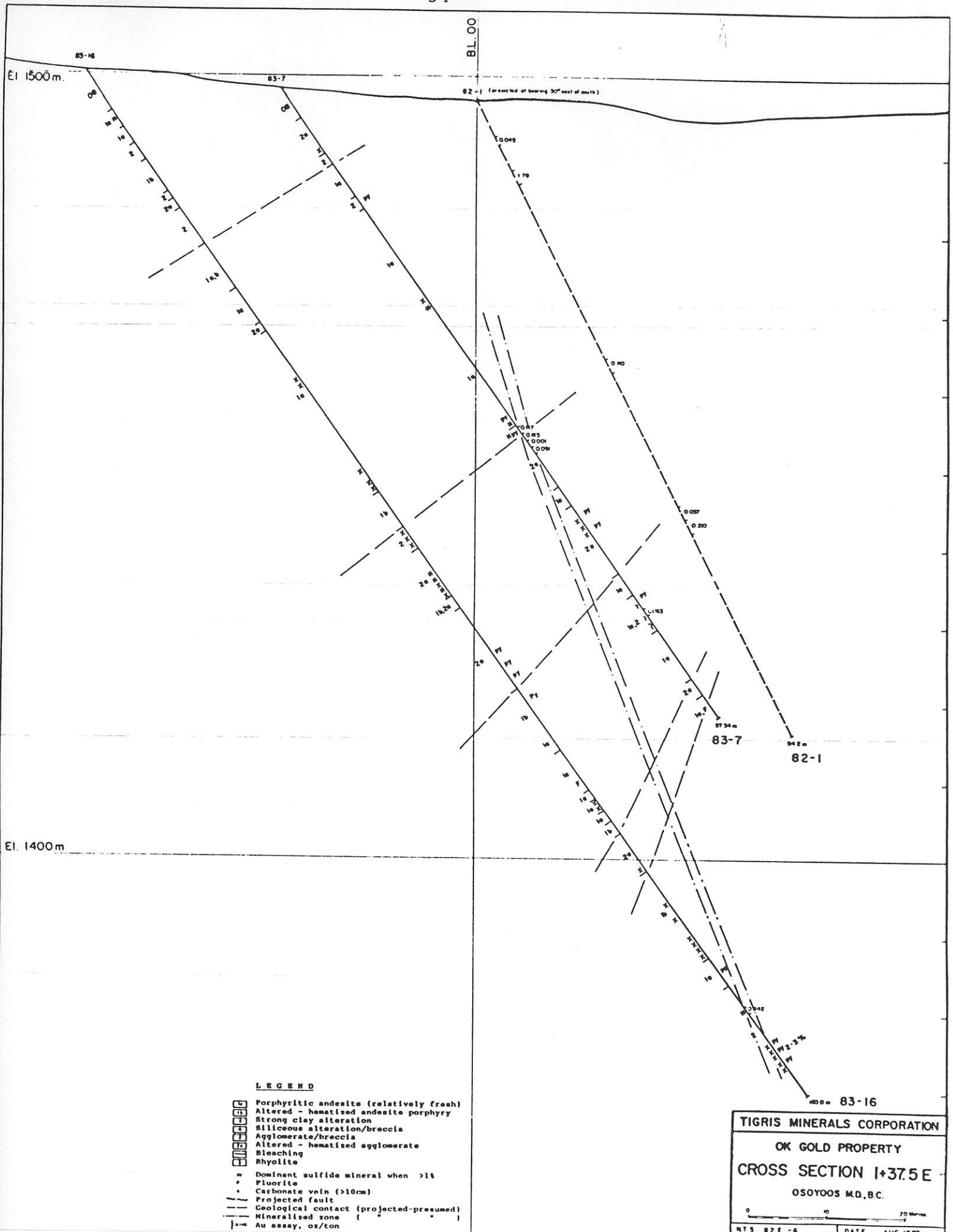
4 Porphyritic andesite (relatively fresh)
 5 Altered - hematized andesite porphyry
 6 Strong clay alteration
 7 Siliceous alteration/breccia
 8 Agglomerate/breccia
 9 Altered - hematized agglomerate
 10 Bleaching
 11 Rhyolite
 12
 13 Dominant sulfide mineral when >10
 14 Fluorite
 15 Carbonate vein (>10cm)
 16 Projected fault
 17 Geological context (projected-presumed)
 18 Mineralized zone (" " ")
 19 Au assay, oz/ton

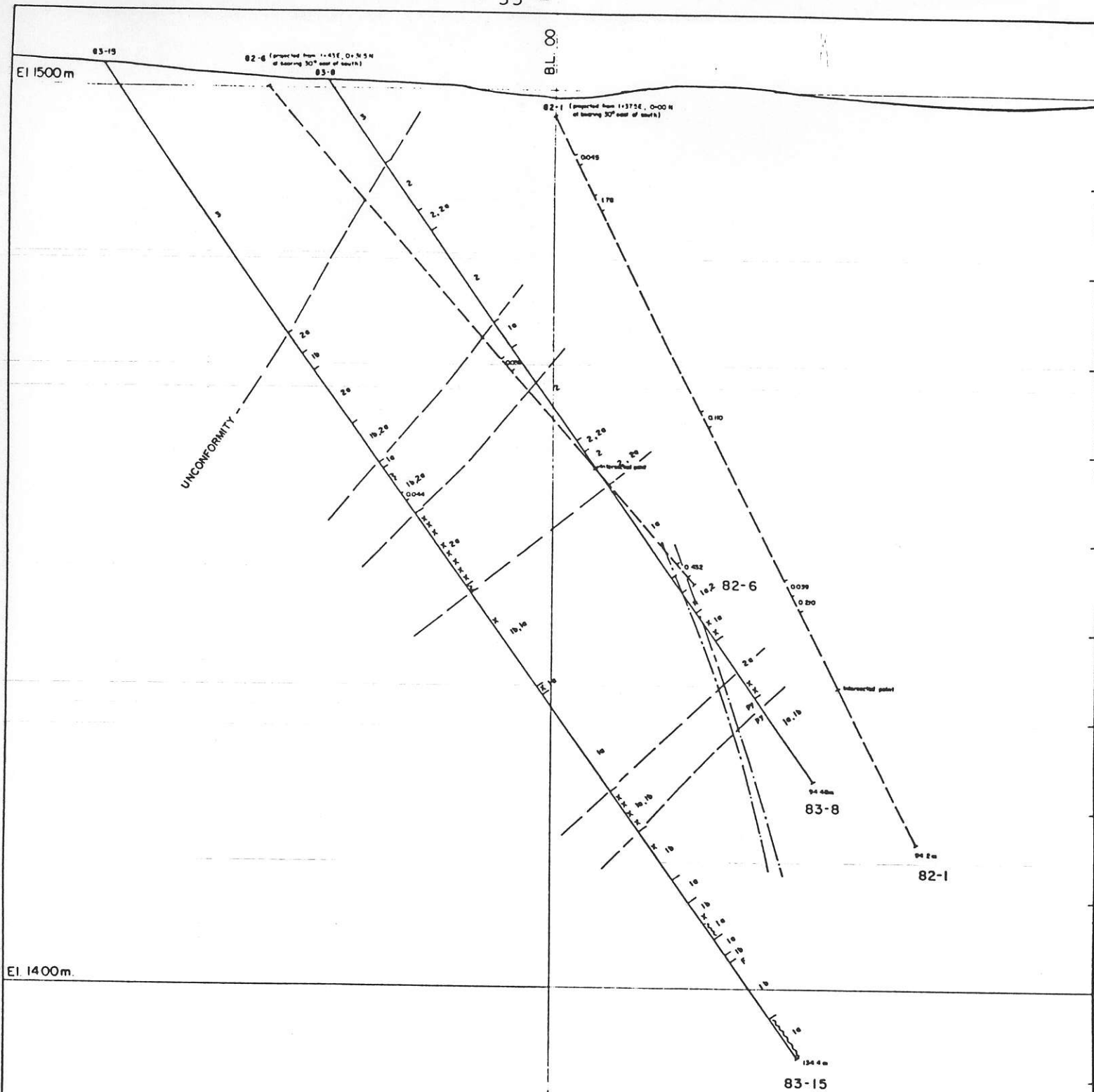
DATE AUG 1907

DATE AUG 1987









LEGEND

- Porphyritic andesite (relatively fresh)
- Altered - hematized andesite porphyry
- Strong clay alteration
- Siliceous alteration/breccia
- Agglomerate/breccia
- Altered - hematized agglomerate
- Bleaching
- Rhyolite
- Dominant sulfide mineral when >1%
- Fluorite
- Carbonate vein (>10cm)
- Projected fault
- Geological contact (projected-presumed)
- Mineralized zone
- Au assay, oz/ton

TIGRIS MINERALS CORPORATION

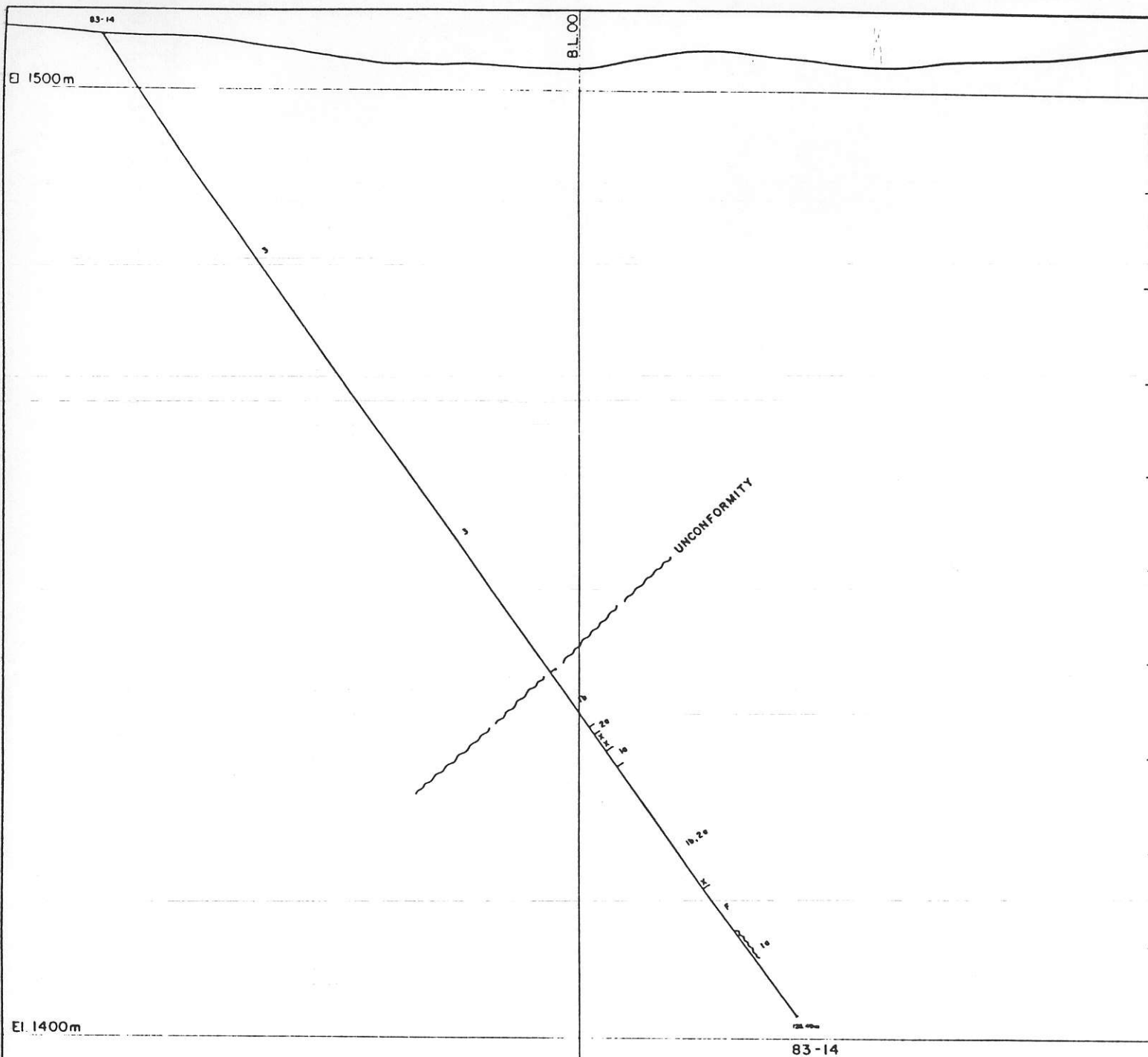
OK GOLD PROPERTY

CROSS SECTION 1+62.5E

OSOYOOS M.D., B.C.

NTS 82E-6 DATE AUG 1987

FIGURE 1/3



LEGEND

- Porphyritic andesite (relatively fresh)
- Altered - hematized andesite porphyry
- Strong clay alteration
- Siliceous alteration/breccia
- Agglomerate/breccia
- Altered - hematized agglomerate
- Bleaching
- Rhyolite
- Dominant sulfide mineral when >1%
- Fluorite
- Carbonate vein (>10cm)
- Projected fault
- Geological contact (projected-presumed)
- Mineralized zone
- Au assay, oz/ton

TIGRIS MINERALS CORPORATION

OK GOLD PROPERTY

CROSS SECTION 1-87.5 E

OSOYOOS M.D.B.C.

NTS 82E-6 DATE AUG 1987



9.0 BIBLIOGRAPHY

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APPENDIX A

APPENDIX B

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON
EVERY PAGE

HOLE NO.
82-1

PAGE NO.
1

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL FOOTAGE	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM		MAP REFERENCE NO.		CLAIM NO.			
DATE HOLE STARTED		DATE COMPLETED	DATE LOGGED	LOGGED BY	ft			LOCATION (Tp., Lot, Con. OR Lot. and Long.)					
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		ft			PROPERTY NAME					
LACANA MINING CORPORATION					ft			O.K. FALLS					
FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.			PLANAR FEATURE ANGLE	CORE SPECIMEN FOOTAGE	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM TO		SAMPLE LENGTH	ASSAYS	
0	3.0	O/B	@ 5.0-6.0 Weakly siliceous sparse fine pyrite										
3.0	10.3	Agglomerate	@ 10.2-10.3 Brecciated quartz vein										
10.3	36.0	Andesite porphyry	@ 10.3-16.0 Locally bleached, brecciated with weak siliceous matrix										
36.0	76.4	Agglomerate	@ 39.1-39.25 Quartz vein										
			@ 40.0-45.0 Hematized										
			@ 51.7 Quartz vein with amethyst										
			@ 52.0-60.0 Hematized										
			@ 62.0-64.0 Hematized with up to 1% disseminated pyrite										
			@ 64.4-65.8 Bleached										
			@ 67.0-76.4 Hematized, up to 1% disseminated pyrite										
74.6	94.2	Andesite porphyry											
	84.2	END OF HOLE											

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON
EVERY PAGE

HOLE NO.
82-2

PAGE NO.
1

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL FOOTAGE	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM		MAP REFERENCE NO.	CLAIM NO.			
DATE HOLE STARTED		DATE COMPLETED	DATE LOGGED	LOGGED BY				LOCATION (T _p , Lat, Con. OR Lat. and Long.)				
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)					PROPERTY NAME				
LACANA MINING CORPORATION								O.K. FALLS				
FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.			PLANAR FEATURE ANGLE	CORE SPECIMEN FOOTAGE	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM TO	SAMPLE LENGTH	ASSAYS	
0	16.8	Rhyolite										
18.0	25.7	Agglomerate/ Regolith	Up to 1% disseminated and bleby pyrite									
25.7	30.2	Andesite Porphyry	Locally bleached up to 1% pyrite									
30.2	37.0	Rhyolite	Locally 2-3% pyrite									
37.0	45.7	Agglomerate										
45.7	53.8	Andesite Porphyry, Agglomerate										
53.8	65.0	Agglomerate	Locally hematized									
			@ 58.7-61.9 Up to 1% pyrite in strong clayey zone									
65.0	80.0	Andesite Porphyry	@ 72-73 Clayey with up to 1% pyrite									
80.0	99.2	Agglomerate	@ 80-82 Hematized									
			@ 90-94 Clayey up to 1% pyrite									
	99.2	END OF HOLE										

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON
EVERY PAGE

HOLE NO.
82-3

PAGE NO.
1

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL FOOTAGE	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM		MAP REFERENCE NO.	CLAIM NO.			
DATE HOLE STARTED		DATE COMPLETED	DATE LOGGED	LOGGED BY				LOCATION (Twp., Lot, Con. OR Lat. and Long.)				
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)					PROPERTY NAME				
LACANA MINING CORPORATION								O.K. FALLS				
FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.			PLANAR FEATURE ANGLE	CORE SPECIMEN FOOTAGE	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM TO	SAMPLE LENGTH	ASSAYS *	
0	3.4	O/B	@ 11.8-13.0 Siliceous, carbonated matrix									
3.4	73.7	Agglomerate										
73.7	92.9	Andesite Porphyry										

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON
EVERY PAGE

HOLE NO
82-4

PAGE NO
1

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL FOOTAGE	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM		MAP REFERENCE NO	CLAIM NO.			
DATE MOLE STARTED		DATE COMPLETED	DATE LOGGED	LOGGED BY				LOCATION (Tp., Lot, Con. OR Lat. and Long.)				
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)					PROPERTY NAME				
LACANA MINING CORPORATION								O.K. FALLS				
FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.			PLANAR FEATURE ANGLE	CORE SPECIMEN FOOTAGE	TOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM TO	SAMPLE LENGTH	ASSAYS	
0	4.9	O/B										
4.9	14.0	Agglomerate	Hematized									
14.0	18.8	Andesite Porphyry										
18.8	41.4	Andesite	@ 29-33.7 Bleached agglomerate weak silica cement									
41.4	43.0	Breccia	Siliceous, carbonated, sparse very fine sulfides									
43.0	63.1	Andesite Porphyry	@ 52-63 Strong clay zone									
	63.1	END OF HOLE										

[illegible]

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

DIAMOND DRILLING LOG				Start a new page for every new hole, but fill in top portion of form only on first page for each hole.				FILL IN ON EVERY PAGE		HOLE NO. 82-6	PAGE NO. 1	
DRILLING COMPANY			COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH 150°	TOTAL FOOTAGE 77.2 M	DIP OF HOLE AT collar -45°		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM		MAP REFERENCE NO.	CLAIM NO.	
DATE HOLE STARTED		DATE COMPLETED		DATE LOGGED	LOGGED BY R.C.WELLS		ft		LOCATION (Tp., Lot, Con. OR Lot. and Long.)			
EXPLORATION CO.. OWNER OR OPTIONEE				DATE SUBMITTED	SUBMITTED BY (Signature)		ft		PROPERTY NAME O.K.FALLS			
FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.			PLANAR FEATURE ANGLE	CORE SPECIMEN FOOTAGE	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM TO		SAMPLE LENGTH	ASSAYS
0	3.4	O/B										
3.4	10.06	Agglomerate										
10.06	12.6	Rhyolite										
12.6	14.05	Regolith										
14.05	36.0	Agglomerate										
36.0	62.0	Andesite Porphyry	@ 58-58.3 Bleached									
62.0	77.2	Agglomerate	@ 72.2-72.6 Carbonate cemented breccia									
			@ 72.8-73.0 Carbonate cemented breccia									
			@ 75.4-76.1 Carbonate cemented, siliceous breccia, sparse pyrite									
	77.2	END OF HOLE										

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON
EVERY PAGE

HOLE NO.
83-7

PAGE NO.
1

DRILLING COMPANY		COLLAR ELEVATION 1498.5	BEARING OF HOLE FROM TRUE NORTH 180°	TOTAL FOOTAGE 97.5 M	DIP OF HOLE AT COLLAR -55°	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.					
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY R.C. WELLS		ft	GRID LOCATION 1+37.5 E 0+23 W	LOCATION (Twp., Lot, Con. OR Lat. and Long.)						
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		ft		PROPERTY NAME O.K. FALLS						
LACANA MINING CORPORATION					ft								
					ft								
FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.			PLANAR FEATURE ANGLE	CORE SPECIMEN FOOTAGE	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM TO		SAMPLE LENGTH	ASSAYS	
0	4.57	O/B											
4.57	12.00	Agglomerate	@ 4.57-10.0 Hematized										
			@ 10.0-12.0 Weak to strong clay altered										
12.00	16.00	Andesite Porphyry	Weak to moderate clay alteration										
16.00	19.00	Agglomerate	Locally up to 1% pyrite										
19.00	65.00	Andesite/ Andesite Porphyry	@ 31.25-32.35 Bleached with local weak silica cemented breccia. Also at 33.0-33.30										
			@ 52.0-54.0 Fine disseminated pyrite locally up to 1%										
65.00	75.5	Agglomerate	Clay altered and hematized, locally bleached. Up to 1%. Fine disseminated pyrite										
75.5	78.8	Andesite Porphyry	Weakly hematized										
78.8	84.4	Andesite Porphyry with Agglomerate	Locally hematized. Up to 1% disseminated pyrite										
			@ 80.6-80.72 Quartz vein with brecciated margins up to 2% pyrite in siliceous wallrocks										
84.4	92.0	Andesite Porphyry	25° Quartz veins with fluorite										
92.0	94.75	Agglomerate	Moderate hematite alteration										
94.75	97.5	Andesite Porphyry	Few high angle veins with fluorite										
	97.5	END OF HOLE											

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON
EVERY PAGE

HOLE NO.
83-8

PAGE NO.
1

DRILLING COMPANY		COLLAR ELEVATION 1501	BEARING OF HOLE FROM TRUE NORTH 180°	TOTAL FOOTAGE 92.5 M	DIP OF HOLE AT collar -55°	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.					
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY R.C. WELLS		ft	GRID LOCATION 1+62.4 E 0+25 N	LOCATION (Twp., Lot, Con. OR Lat. and Long.)						
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		ft		PROPERTY NAME O.K. FALLS						
LACANA MINING CORPORATION					ft								
					ft								
FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.			PLANAR FEATURE ANGLE	CORE SPECIMEN FOOTAGE	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM TO		SAMPLE LENGTH	ASSAYS	
0	3.4	O/B											
3.4	10.7	Rhyolite											
10.7	54.5	Agglomerate											
54.5	67.0	Andesite Porphyry											
67.0	69.58	Agglomerate	Minor, weak silica cement										
69.58	72.0	Agglomerate/ Breccia	Local weak silica cement, sparse sulfides										
72.0	76.0	Andesite	Strong clay alteration local weak silica cement										
76.0	83.4	Agglomerate	Hematized, local fine pyrite										
83.4	92.5	Andesite Porphyry/ Andesite	Up to 1% disseminated pyrite. Local hematite alteration										
	92.5	END OF HOLE	@ 87.5-88.0 Bleaching										

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON
EVERY PAGE

HOLE NO.
83-9

PAGE NO.
1

DRILLING COMPANY		COLLAR ELEVATION 1496	BEARING OF HOLE FROM TRUE NORTH 180°	TOTAL FOOTAGE 89.9 M	DIP OF HOLE AT collar 55°	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.				
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY R.C. WELLS		ft	GRID LOCATION 1+12.5 E 0+25 N	LOCATION (Twp., Lot, Con. OR Lat. and Long.)					
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		ft		PROPERTY NAME O.K. FALLS					
LACANA MINING CORPORATION					ft							
					ft							
FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.			PLANAR FEATURE ANGLE °	CORE SPECIMEN FOOTAGE ±	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM TO	SAMPLE LENGTH	ASSAYS ±	
0	4.26	O/B										
4.26	18.0	Agglomerate	Hematized									
18.0	23.2	Andesite Porphyry										
23.2	30.5	Agglomerate	@ 25.31-30.5 Hematized									
30.5	31.6	Brecciated Porphyry	Weakly hematized with some silica cement									
31.6	39.8	Andesite Porphyry										
39.8	41.6	Agglomerate										
41.6	43.7	Andesite Porphyry & Agglomerate										
43.7	48.8	Agglomerate										
48.8	55.8	Breccia	Moderate to strong silica cement (20%), possibly electrum									
55.8	59.44	Agglomerate	@ 52.0-53.0 Hematized									
59.44	63.7	Andesite	Local strong clay alteration									
63.7	68.9	Agglomerate	1-3% disseminated pyrite									
68.9	75.2	Andesite/ Andesite Porphyry	@ 71-75 Up to 4% disseminated pyrite									
75.2	76.3	Agglomerate	@ 75.2-76.5 Hematized									
78.3	89.9	Andesite Porphyry	40-60% Quartz veins with fluorite, noticeable fine pyrite <1%									
89.9		END OF HOLE										

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON
EVERY PAGE

HOLE NO
83-10

PAGE NO
1

DRILLING COMPANY		COLLAR ELEVATION 1484	BEARING OF HOLE FROM TRUE NORTH 180°	TOTAL FOOTAGE 71.32 M	DIP OF HOLE AT collar 55°	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM		MAP REFERENCE NO	CLAIM NO.			
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY R.C.WELLS		ft	GRID LOCATION 0+9.54 N 0+25 E		LOCATION (T.P., Lat, Con. OR Lat. and Long.)				
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		ft			PROPERTY NAME O.K.FALLS				
LACANA MINING CORPORATION					ft							
					ft							
FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.			PLANAR FEATURE ANGLE	CORE SPECIMEN FOOTAGE	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM TO	SAMPLE LENGTH	ASSAYS	
0	4.9	O/B										
4.9	7.9	Andesite Porphyry	Disseminated fine pyrite <1%									
7.9	8.7	Agglomerate										
8.7	9.5	Andesite Porphyry										
9.5	20.7	Agglomerate	Minor andesite porphyry @ 13.1-21.6 Hematized with up to 1% pyrite @ 16.9-17.1 Carbonate cemented breccia									
20.7	28.2	Breccia	Siliceous and locally bleached, up to 1% pyrite									
28.2	30.5	Agglomerate, Andesite Porphyry	Hematized up to 1% pyrite									
30.5	58.0	Andesite Porphyry	Hematized. Bleaching at 39.3; up to 1% pyrite, 48.0, Minor agglomerate @ 38.2-39.3 Strong clay- Fault? up to 1% pyrite									
58.0	67.0	Sulfide-rich Porphyry	Up to 10% combined sulfides. Py >>Po>CPy									
67.0	71.32	Andesite Porphyry	Hematized, decreasing with depth									
	71.32	END OF HOLE										

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

MOLE NO. 83-11	PAGE NO. 1
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DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON
EVERY PAGE

HOLE NO.
83-12

PAGE NO.
1-2

DRILLING COMPANY		COLLAR ELEVATION 1487.0	BEARING OF HOLE FROM TRUE NORTH 180°	TOTAL FOOTAGE 92.9 M	DIP OF HOLE AT collar -55°	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM		MAP REFERENCE NO.	CLAIM NO.			
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY R.C. WELLS		ft	GRID LOCATION 0+50 E 0+22.5 N		LOCATION (Twp., Lat., Con. OR Lat. and Long.)				
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		ft			PROPERTY NAME O.K. FALLS				
					ft							
					ft							
FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.			PLANAR FEATURE ANGLE	CORE SPECIMEN FOOTAGE	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM TO	SAMPLE LENGTH	ASSAYS	
0	7.62	O/B										
7.62	18.6	Agglomerate	Hematized to varying degree, sparse pyrite									
18.6	39.0	Andesite Porphyry	@ 18.6-20.1 Strong chloritic clay zone									
			@ 33.4-37.8 Hematitic									
			@ 37.8-38.1 Light coloured with 2-3% pyrite in fractures and seams									
			@ 38.1-39.0 Strongly hematitic 1% pyrite									
39.0	44.7	Breccia, Silicified Andesite	Weak to moderately silicified breccia. Locally up to 5-10% sulfides, predominantly pyrite									
44.7	49.7	Andesite Porphyry	Hematized up to 1% pyrite									
49.7	51.4	Andesite Porphyry, Agglomerate	Up to 1% pyrite									
51.4	53.3	Andesite Porphyry	Hematized									
53.3	60.0	Andesite Porphyry, Agglomerate	Hematized and clay altered									
			@ 59-60 2-5% pyrite in heavy hematite altered zone									
60.0	70.0	Andesite Porphyry	@ 66-66.6 Agglomerate?									
70.0	71.6	Agglomerate	Hematized									

FILL IN ON
EVERY PAGE

MOLE NO.
83-12

PAGE NO.
2-2

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DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON
EVERY PAGE

HOLE NO. 83-13
PAGE NO. 1

DRILLING COMPANY		COLLAR ELEVATION 1409.5	BEARING OF HOLE FROM TRUE NORTH 180°	TOTAL FOOTAGE 144.8	DIP OF HOLE AT collar 55°	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM		MAP REFERENCE NO.	CLAIM NO.			
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY R.C. WELLS		ft	GRID LOCATION 212.5 E 0+25 N		LOCATION (T.p., Lat, Con. OR Lat. and Long.)				
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		ft			PROPERTY NAME O.K. FALLS				
LACANA MINING CORPORATION					ft							
					ft							
FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.			PLANAR FEATURE ANGLE	CORE SPECIMEN FOOTAGE	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM TO	SAMPLE LENGTH	ASSAYS *	
0	6.1	O/B										
6.1	91.2	Rhyolite										
91.2	96.2	Andesite Porphyry										
96.2	115.1	Agglomerate	Patchy hematite alteration									
115.1	129.5	Andesite Porphyry	@ 118.95-119.12 Quartz veining with up to 1% pyrite at margins									
129.5	144.8	Agglomerate	@ 141-144.8 More massive andesite porphyry									
	144.8	END OF HOLE										

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON
EVERY PAGE

HOLE NO.
83-14

PAGE NO.
1

DRILLING COMPANY		COLLAR ELEVATION 1505.5	BEARING OF HOLE FROM TRUE NORTH 180°	TOTAL FOOTAGE 126.5 M	DIP OF HOLE AT collar -55°	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM		MAP REFERENCE NO.	CLAIM NO.				
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY R.C. WELLS		ft	GRID LOCATION 1+87.5 E 0+50 N		LOCATION (T.p., Lat., Lon. OR Lat. and Long.)					
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		ft			PROPERTY NAME O.K. FALLS					
LACANA MINING CORPORATION					ft								
					ft								
FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.			PLANAR FEATURE ANGLE	CORE SPECIMEN FOOTAGE	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM TO		SAMPLE LENGTH	ASSAYS	
0	81.1	Rhyolite											
81.1	88.3	Andesite Porphyry											
88.3	91.9	Agglomerate	@ 89.5-91.9 Moderate to strong clay alteration										
91.9	94.3	Andesite Porphyry											
94.3	109.0	Agglomerate > Andesite Porphyry	Hematized to varying degree										
109.0	126.5	Andesite Porphyry	@ 111.8-112.1 Quartz-carbonate veins with fluorite										
	126.5	END OF HOLE	@ 114.3-118.1 Bleached										

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON
EVERY PAGE

HOLE NO. 83-16
PAGE NO. 1-2

DRILLING COMPANY		COLLAR ELEVATION 1500.5	BEARING OF HOLE FROM TRUE NORTH 180°	TOTAL FOOTAGE 160 M	DIP OF HOLE AT collar -55°	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM		MAP REFERENCE NO.	CLAIM NO.			
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY R.C.WELLS		ft	GRID LOCATION 1+37.5 E 0+50 N		LOCATION (T.p., Lat., Con. OR Lat. and Long.)				
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		ft			PROPERTY NAME O.K. FALLS				
LACANA MINING CORPORATION					ft							
					ft							
FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.			PLANAR FEATURE ANGLE °	CORE SPECIMEN FOOTAGE #	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM TO	SAMPLE LENGTH	ASSAYS	
0	6.1	O/B										
6.1	8.8	Andesite Porphyry	Altered, weak siliceous									
8.8	10.7	Andesite Porphyry										
10.7	14.3	Agglomerate										
14.3	19.0	Andesite Porphyry										
19.0	27.0	Agglomerate										
27.0	34.2	Andesite Porphyry	Hematized									
34.2	71.0	Andesite Porphyry	@ 37.0-41.6 Weak carbonate and silica cemented breccia									
71.0	84.4	Agglomerate										
84.4	96.35	Agglomerate	Hematized up to 1% pyrite									
96.35	106.3	Andesite Porphyry	Patchy hematite alteration, 1% disseminated pyrite									
106.3	119.0	Andesite Porphyry	Hematized to varying degree									
			@ 114.8-115.5 Strong chloritic clay zone									
119.0	125.2	Agglomerate										
125.2	128.7	Andesite Porphyry	Hematized									
128.7	139.1	Agglomerate										
139.1	142.6	Breccia!	Carbonate and silica (weak) cemented, up to 1%									

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EVERY PAGE

MOLEC NO.
83-16

PAGE NO.
2-2

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DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON
EVERY PAGE

HOLE NO.
83-17
PAGE NO.
1

DRILLING COMPANY		COLLAR ELEVATION 1498.0	BEARING OF HOLE FROM TRUE NORTH 180°	TOTAL FOOTAGE 153.92 M	DIP OF HOLE AT collar -55°	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM		MAP REFERENCE NO.		CLAIM NO.			
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY R.C. WELLS		ft	GRID LOCATION 112.5 E 0+50 N		LOCATION (Twp., Lot, Con. OR Lot. and Long.)					
EXPLORATION CO., OWNER OR OPTIONEE LACANA MINING CORPORATION		DATE SUBMITTED	SUBMITTED BY (Signature)		ft			PROPERTY NAME O.K. FALLS					
FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.			PLANAR FEATURE ANGLE	CORE SPECIMEN FOOTAGE F	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM TO		SAMPLE LENGTH	ASSAYS *	
0	7.0	O/B											
7.0	30.6	Andesite Porphyry											
30.6	38.5	Agglomerate											
38.5	41.5	Andesite Porphyry											
41.5	48.1	Agglomerate	Hematized										
48.1	62.3	Andesite Porphyry											
62.3	66.3	Agglomerate											
66.3	69.7	Andesite Porphyry											
69.7	82.0	Agglomerate	@ 78-81 Quartz-carbonate veins with fluorite @ 81-82 Up to 1% pyrite										
82.0	89.0	Andesite Porphyry											
89.0	96.36	Agglomerate	Hematized with up to 1% pyrite										
96.36	101.8	Andesite Porphyry											
101.8	105.3	Agglomerate											
105.3	117.85	Andesite Porphyry											
117.85	125.7	Agglomerate	@ 122-127.9 Some silica cement up to 1% pyrite										
125.7	153.92	Agglomerate											
	153.92	END OF HOLE											

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON
EVERY PAGE

HOLE NO. 83-18
PAGE NO. 1

DRILLING COMPANY Beaupre Drilling		COLLAR ELEVATION 1485 m		BEARING OF HOLE FROM TRUE NORTH 0		TOTAL FOOTAGE 100.5		DIP OF HOLE AT collar -55		LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM		MAP REFERENCE NO 83E 6		CLAIM NO	
DATE HOLE STARTED November 28		DATE COMPLETED November 29		DATE LOGGED		LOGGED BY R. Wells		300 ft -54		Grid 25E 50S		LOCATION (Tp., Lot, Con. OR Lat. and Long.)			
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED		SUBMITTED BY (Signature) Summarized by D. Johnson		ft		ft				PROPERTY NAME OK Gold			
						ft		ft							

FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	PLANAR FEATURE ANGLE	CORE SPECIMEN FOOTAGE	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM TO		SAMPLE LENGTH	ASSAYS *	
0	6.1	O/B Agglomerate								Au	
11.28	18.6	Altered porphyry	Moderately to strongly hematized, Decreasing with depth.								
18.6	23.62	Altered porphyry agglomerate	20-23.62 up to 5% pyrite as lenses and disseminations								
23.62	31.25	Altered Agglomerate Breccia									
31.25	32.4	Altered Porphyry Agglomerate				89716	26	27	1m	.045	
32.4	37.42	Porphyritic Andesite									
37.42	37.79	Clay Altered									
37.79	39.85	Altered Porphyry Agglomerate	Sulphide rich, up to 10%, as clots and disseminations. Some fine chalcopyrite								
39.85	48.4	Andesite porphyry	Clay altered zone, 44.2-46.93, 48.4-50.2								
50.2	63.2	Altered Andesite	Strong clay alteration 60.1-63.2								
63.2	73	Altered porphyry	Hematized								

FILL IN ON EVERY PAGE	HOLE NO.	PAGE
	83-18	2

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Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

MOLE NO.	PAGE NO.
83-19	1

LOCATION (Twp., Lat., Con. OR Lat. and Long.)

[illegible]

FILL IN ON EVERY PAGE

MOLE NO. 83-19	PAGE NO. 2
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[illegible]

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON
EVERY PAGE

HOLE NO
83-20

PAGE NO	1
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[illegible]

V E N N E R / T I G R I S (L a c a n a)

RE-LOG
OK FALLS PROJECT

LATITUDE _____	BEARING _____	DATE-STARTED _____	HOLE NO. <u>82-5</u>
DEPARTURE _____	DIP <u>-45°</u>	FINISHED _____	SHEET <u>1</u> of <u>1</u>
ELEVATION _____	DEPTH _____	LOGGED _____	BY <u>G. PARTRIDGE</u>

[illegible]

PLOTTED: 30 Scale Plans Sections 60 Scale Plans Sections

RE-LOG
OK FALLS PROJECT

V E N N E R / T I G R I S (L a c a n a)

LATITUDE _____ BEARING _____ DATE-STARTED _____ HOLE NO. 83-16
DEPARTURE _____ DIP -55° FINISHED _____ SHEET 1 of 3
ELEVATION _____ DEPTH 160 M LOGGED AUGUST 4, 1987 BY G. PARTRIDGE

REC. %	DEPTH (M)	DESCRIPTIVE GEOLOGY	CORE ASSAY					SLUDGE ASSAY				
			SAM. NO.	FROM	TO	AG.	AU.	SAM. NO.	FROM	TO	AG.	AU.
	0 - 6.1	O/B - casing										
	6.1-57.5	Porphyritic andesite agglomerate, medium grey-green-sub-										
		rounded, crowded fine-grained lapilli contains buff-green										
		subhedral feldspar. Interstitial chlorite-rich material.										
		Frequent lenses carbonate, sections of irregular felsic										
		patches, sections hematite alteration, trace of pyrite.										
	7-8.8	Irregular patches quartz										
		From 13.5-28.5 M Alteration increases - frequent										
		hematite patches, light brown clay alteration of felds-										
		pars, irregular felsic streaks										
		At 29.0 Couple quartz stringers 6,12 mm at 35°										
		From 28.5 M Irregular streaks felsic material and										
		carbonate occasional hematitic sections										
		29.6-30 Partly crushed and leached										
		38.4-38.7 Partly crushed and leached zone, low angle										
		From 36.7-42 Networks of felsic and calcareous material,										
		often hematite-stained										
		42.2-43 Brecciated, occasional quartz stringers										
		43.3-43.4 Granular quartz, interstitial light green										
		sericite-chlorite										
		At 47.2 1cm quartz, 30°										
		At 47.5 Quartz stringers, 40°										
		48.75-48.95 Partly crushed, leached										

PLOTTED: 30 Scale Plans _____ Sections _____ 60 Scale Plans _____ Sections _____

V E N N E R / T I G R I S (L a c a n a)

LATITUDE _____ BEARING _____ DATE-STARTED _____ HOLE NO. 83-16
 DEPARTURE _____ DIP _____ FINISHED _____ SHEET 2 of 3
 ELEVATION _____ DEPTH _____ LOGGED _____ BY G. PARTRIDGE

REC. %	DEPTH (M)	DESCRIPTIVE GEOLOGY	CORE ASSAY					SLUDGE ASSAY				
			SAM. NO.	FROM	TO	AG	AU.	SAM. NO.	FROM	TO	AG	AU.
		55.5-56.2 No core										
	57.5-70	57.5-60 Andesite porphyry										
		60.9-70 Andesite porphyry										
		At 59.6 10mm quartz, 35-40°										
		62-62.2 Ragged quartz, very low angle										
		64.8-65.2 Partly crushed and leached, hematitic										
		70-98 Agglomerate, partly crushed and leached										
		70.8-71.2 Partly crushed and leached										
		65.6-70.8 Frequent narrow ragged quartz up to 6mm										
		70.7-74.4 Frequent sections partly crushed and leached										
		77.52-77.6 Quartz, 45°										
		78.55-78.65 Brecciated, carbonate-healed										
		78.65-79.4 Partly crushed and leached										
		79.4-80.4 Network fine felsic stringers, minor carbonate										
		At 80.4 15mm quartz band 160°, minor carbonate										
		From 82.1 frequent quartz-carbonate patches, stringers										
		networks - 83.8										
		85.1-99.2 Irregular hematitic areas through, up to 1%										
		very fine sulphides, possibly pyrite - chalco-pyrite,										
		sections sheared and partly brecciated										
		96-98.1 Well-altered (hematite) through, chlorite										
		patches, occasional pyrite										
	98 - 115	Andesite porphyry, chloritic, light-brown-altered feldspar										

PLOTTED: 30 Scale Plans _____ Sections _____ 60 Scale Plans _____ Sections _____

V E N N E R / T I G R I S (L a c a n a)

LATITUDE _____	BEARING _____	DATE-STARTED _____	HOLE NO. <u>83-16</u>
DEPARTURE _____	DIP _____	FINISHED _____	SHEET <u>3</u> of <u>3</u>
ELEVATION _____	DEPTH _____	LOGGED _____	BY <u>G. PARTRIDGE</u>

[illegible]

PLOTTED: 30 Scale Plans Sections 60 Scale Plans Sections

APPENDIX C

Northwest Precious Metals

Venner-Tigris
A060787
2003

Certificate of Analysis

Description	Ag in ppm	Au in oz/ton
2938	3.0	0.004
2939	1.6	0.003
2940	12.6	0.109
2941	8.0	0.142
2942	1.6	0.012
2943	1.2	0.004
2944	1.8	0.002


Analysed by:

Northwest Precious Metals

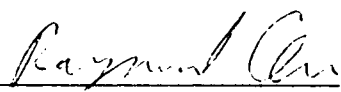
Venner-Tigris

A050887

2012

Certificate of Analysis

Description	Ag in ppm	Au in oz/ton
2704	5.8	0.234
2705	5.4	0.204
2706	8.2	0.164
2707	21.2	0.044
2708	7.6	0.120
2709	9.8	0.001


Analysed by: