

85-1180-14352
12/86

1985 ASSESSMENT REPORT
ON THE
QUILT AND CANEX 1-8 CLAIMS

FILMED

OSOYDOS MINING DIVISION

NTS 82 E/4E

LATITUDE 49° 00.5' NORTH, LONGITUDE 119° 35' WEST

MINISTRY OF ENERGY, MINES
AND PETROLEUM RESOURCES

Rec'd

MAR 17 1986

SUBJECT _____

FILE _____

VANCOUVER, B.C.

Prepared

for

OPERATOR: SOUTHERN INTERIOR MINING CO. LTD.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

by: 14,352

OWNER: ROBERT T. MCKNIGHT, P.ENG.

March 15, 1986

**1985 ASSESSMENT REPORT
ON THE
QUILT AND CANEX 1-8 CLAIMS**

T A B L E O F C O N T E N T S

SUMMARY	1
LOCATION	2
ACCESS/TOPOGRAPHY	2
CLAIMS	3
HISTORY	3
GEOLOGY	4
GEOCHEMISTRY	5
GEOFYSICS	5
RECOMMENDATIONS	5
BIBLIOGRAPHY	7
CERTIFICATE OF QUALIFICATIONS	8
COST STATEMENT	9
APPENDICES	

Geochemical Analyses Results

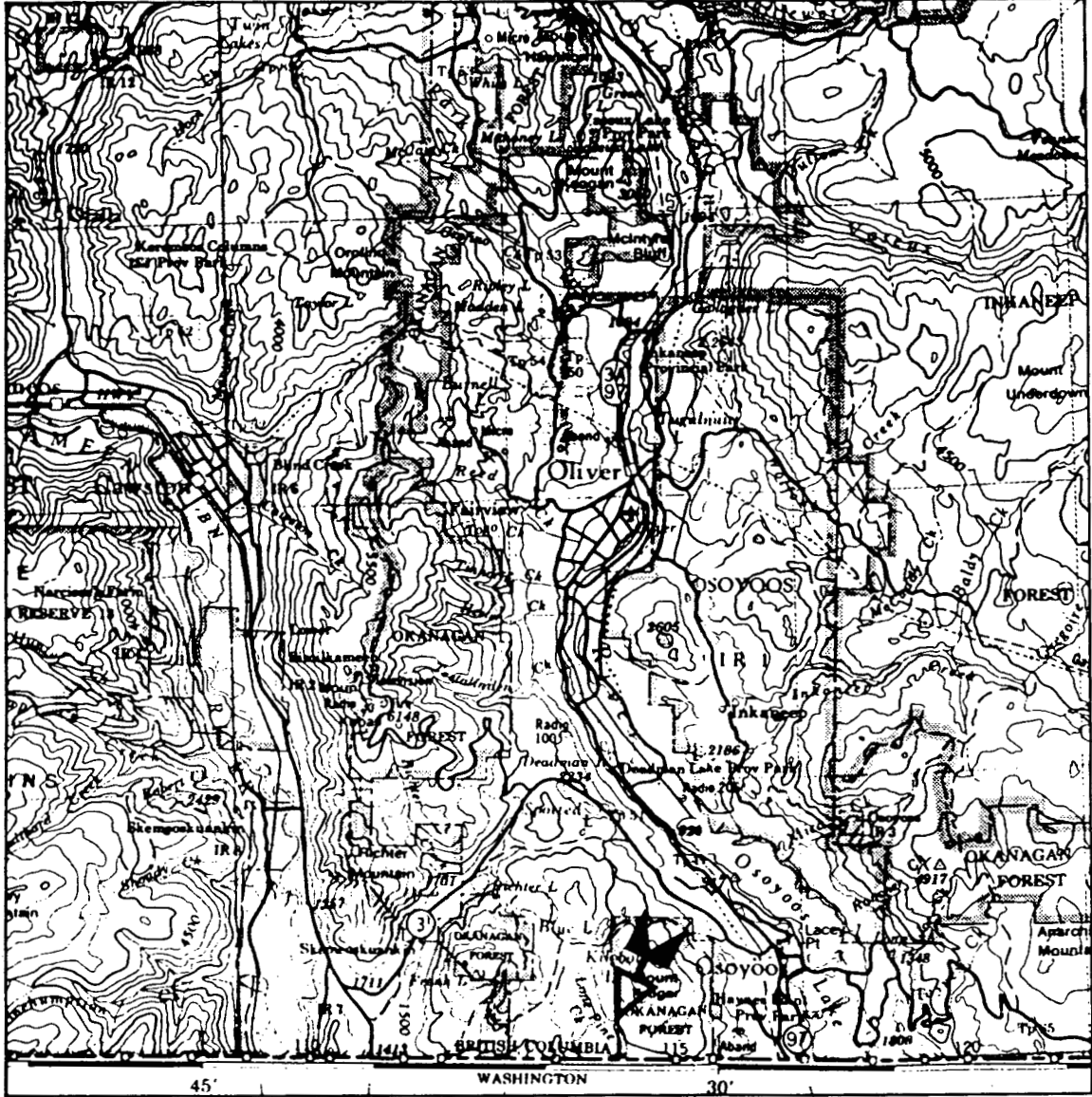
	Scale
FIGURE 1. LOCATION MAP	(1:250000)
FIGURE 2. CLAIM MAP	(1: 50000)
FIGURE 3. GOLD GEOCHEMICAL SURVEY	(1: 5000)

1985 ASSESSMENT REPORT
N THE
QUILT AND CANEX 1-8 CLAIMS

SUMMARY

The QUILT and CANEX 1-8 claims are located approximately 7 kilometres Southwest of Osoyoos, B.C. adjacent to the International boundary (see Location Map).

Reconnaissance geochemical (~~about~~ ²⁹ soil ~~and rock~~ samples) and very limited prospecting were undertaken on the claims in 1985. The amount of data obtained were insufficient to assess the property therefore additional data in the form of soil samples and magnetometer over all of the claims should be undertaken in 1986.

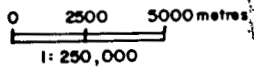


LOCATION MAP

OKANAGAN SYNDICATE

OSOYOOS PROJECT

NTS 82E/4E



To accompany report by **ROBERT T. MCKNIGHT, P.Eng.**

March, 1986

LOCATION

The claims are located approximately 7 kilometres SW of the town of Osoyoos, B.C. (see Location Map) in the Osoyoos Mining Division at Latitude of 49 degrees 00 minutes North, Longitude 119 degrees 32 minutes West. NTS mapsheet is 82 E/^{4E}8. Altitude ranges from 2200 to 3400 feet ASL.

ACCESS, TOPOGRAPHY, CLIMATE

Good road access to much of the property is available by two wheel drive vehicle over a reasonably good dirt road which leaves Highway # 3 about 5 km west of Osoyoos. This road leads generally southerly to the claim group past Kilpooa Lake. Within the immediate area of the claims, what roads there are very overgrown so a high ground clearance truck is required to travel with confidence.

The claim group is generally very open at the the lower elevations. The only trees of any consequence are found on the higher ridges. Underbrush is typically very scarce in the trees. In the open areas sagebrush predominates and these sections can usually be traversed by four wheel drive vehicle.

In terms of climate, the area is semi-desert, with hot dry summers and moderately cold winters. Water is to be found in summer only as groundwater, except at Kilpooa Lake, which itself shrinks considerably in this season.

CLAIMS

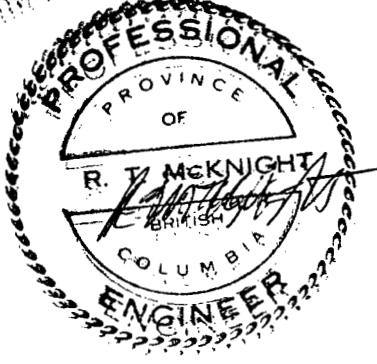
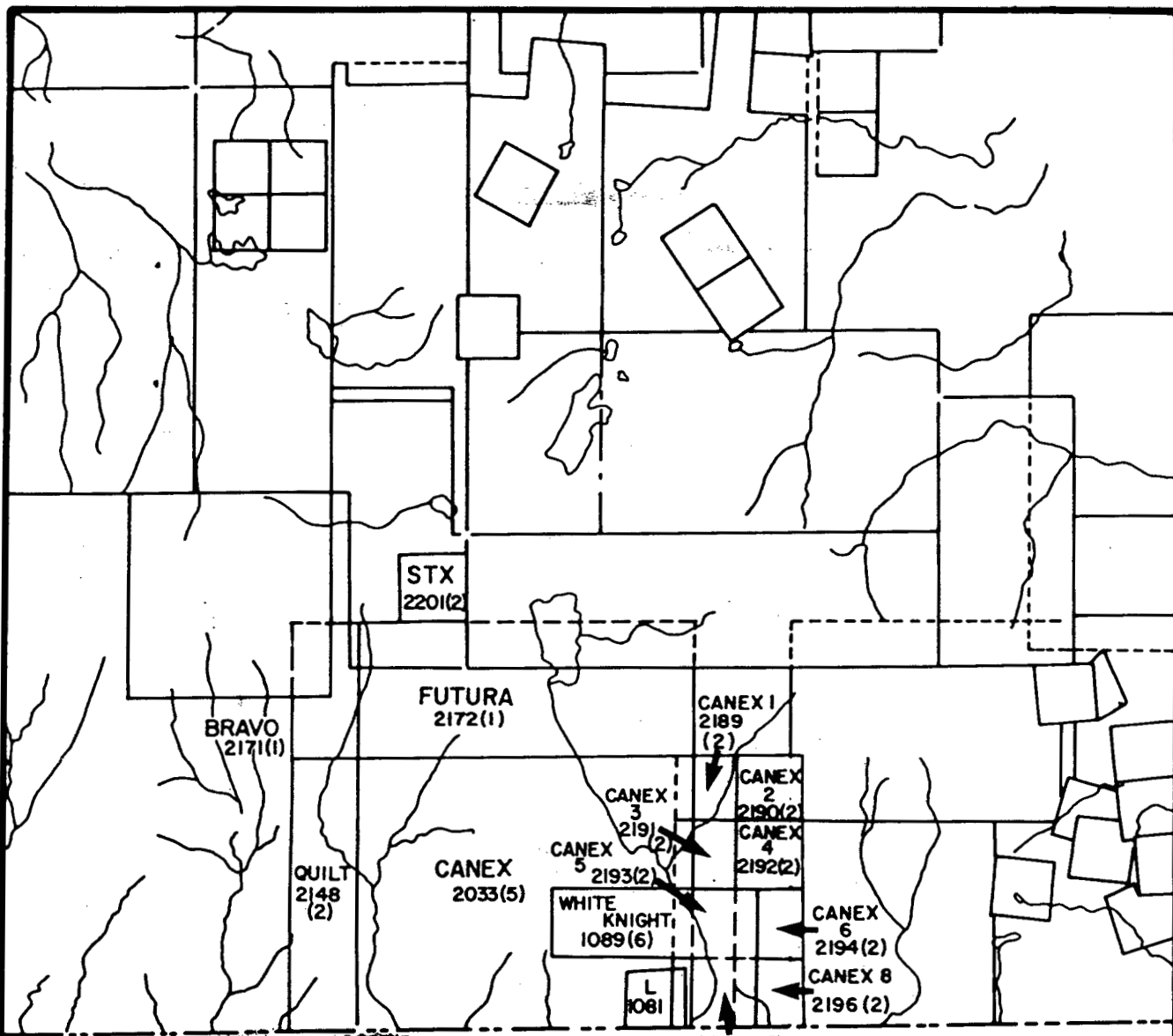
- The Canex 1-8 and QUILT claims are registered (in trust) to Paul W. LaFontaine of Vancouver, B.C.
- The claims are listed as follows:

<u>CLAIM NAME</u>	<u>RECORD NO.</u>	<u>RECORD</u>	<u>DATE</u>
CANEX1	2189 (2)	February 18,	1984
CANEX2	2190 (2)	February 18,	1984
CANEX3	2191 (2)	February 18,	1984
CANEX4	2192 (2)	February 18,	1984
CANEX5	2193 (2)	February 18,	1984
CANEX6	2194 (2)	February 18,	1984
CANEX7	2195 (2)	February 18,	1984
CANEX8	2196 (2)	February 18,	1984
QUILT	2148 (12)	December 17,	1984

HISTORY

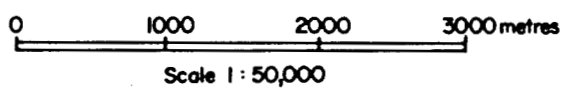
The immediate area of the claims has a history of limited mining activity dating from the late-1800's to more recent years. A number of trenches, pits, and adits are known to exist near the property on both sides of the border. Also, the Dividend-Lakeview Mining Camp a few miles east, existed in the early part of this century with gold the major revenue-producing metal. Only a few hundred metres south, in the U.S., the Submarine (or Lone Pine) Mine explored an extensive quartz vein

N
4



CLAIM MAP
OKANAGAN SYNDICATE
OSOYOOS PROJECT
NTS 82E/4E

To accompany report by **ROBERT T. M^CKNIGHT, P. Eng.**
March, 1986



from an adit and drifts reportedly totalling some 1400 feet. It is thought that some gold-bearing ore was shipped from the operation some years ago. Some trenching and pits are also reported on the Canadian side on the White Knight Claims, possibly exploring the same vein system encountered at the Submarine.

GEOLOGY

The claims are located near the Eastern contact of the Kruger pluton, an alkaline border phase of the Similkameen pluton, with quartzites and greenstones of the Kobau Group. The Kruger pluton is contiguous with an assemblage of malignite, pyroxenite, and syenitic gneiss which comprise the margin of the Similkameen (Reinhart & Fox, 1972). It is thought that the Columbian Orogeny, occurring in the Triassic, has imparted the existing structural pattern and possibly controlled the emplacement of the mineral occurrences in the area (Ruck, 1983).

Although time permitted only prospecting, it appears that the QUILT claim is underlain by alkaline syenitic rocks of the Kruger phase of the Okanogan Batholith Complex as suggested by current mapping. The CANEX 1-8 are underlain by Kobau Group rocks, judging from the outcrops examined.

No minerals of economic importance were seen. Some narrow quartz veins were noticed at the south end of QUILT, near a border monument.

GEOCHEMISTRY

A limited number of soil and silt samples were taken during the staking of the property. These were submitted for ICP geochemical analyses for 30 elements at ACME Analytical Laboratories in Vancouver. The tabulated results and a description of the analysis method are included in the Appendices. The gold assay values are plotted on Figure 3. (Geochemical Survey Map).

The following samples are anomalous :

<u>Sample</u>	<u>Metal</u>	<u>Value</u>
C330	Gold	33 ppb
C625	Gold	100 ppb
Q 3+15n 3W	Silver	4.6 ppm
Q 3+15n 3W	Copper	23 ppm

These areas should be prospected and re-sampled with a grid.

GEOPHYSICAL SURVEY

No geophysical work was performed on the claims in 1985.

RECOMMENDATIONS

It is recommended that a more extensive soil sampling program be implemented, especially in the vicinity of the anomalous soil samples. In addition, a mag survey should be undertaken to delineate structure.

The following program budget is recommended to further

evaluate the potential of the Canex Claim Group:-

RECOMMENDED 1986 PROGRAM

1. Geological mapping	\$ 1,000
2. Soil sampling	\$ 1,500
3. Magnetometer/VLF EM survey	\$ 3,000
4. Geochemical analyses	\$ 3,000
5. Engineering supervision	\$ 500
6. Food & lodging	\$ 1,500
7. Equipment & supplies	\$ 500
8. Transportation & rentals	\$ 800
9. Reports & drafting	\$ 500
10. Contingency	\$ 500

TOTAL BUDGET	\$ 12,800
	=====

Depending on the results of the above program, a follow-up program should be implemented in conjunction with a qualified geologist to evaluate any anomalous areas.

BIBLIOGRAPHY

- CAIRNES, C. E. 1940. G.S.C. Map 538A. Kettle River West Half.
- CAMPBELL C. D. 1939. Kruger Alkaline Syenites of Southern B. C.;
Am. J. Sc., vol. 237, pp 522-549.
- DALY, R. A. 1912. Geology of the North American Cordillera at the
Forty-Ninth Parallel; G. S. C. Memoir 38 Parts 1,2,3.
- LITTLE, H. W. 1958. G.S.C. Map 15-1961 Kettle River (West Half).
- OKULITCH, A. V. 1964. Geology of Mount Kobau. PhD. Thesis (UBC).
- PEATFIELD, G. R. 1978. Geologic History and Metallogeny of the
Boundary District, Southern British Columbia and Northern
Washington.
- RINEHART, C.D. & FOX, K.F. 1972. Geology and Mineral Deposits of
the Loomis Quadrangle, Okanogan County, Washington. Washington
State Dept. of Natural Resources, Bulletin 64.
- RUCK, P. 1983. Geological and Geochemical Report on the White
Knight Claims.; Mineral Assessment Report 11295.

CERTIFICATE OF QUALIFICATIONS

I, Robert T. McKnight, P.Eng., residing in North Vancouver, B.C. do certify that:-

1. I am a registered Professional Engineer in the Province of British Columbia.
2. I have a degree of Bachelor of Applied Science in Geological Engineering from the University of British Columbia. I am a member of the Canadian Institute of Mining and Metallurgy.
3. I have practiced as a geologist, geophysicist and mining financial analyst in B.C., Alberta, and other Provinces of Canada since 1972.
4. I am the author of the Report entitled "ASSESSMENT REPORT ON THE CANEX CLAIM GROUP". The report is based on a trip to the property by myself and on fieldwork supervised by myself.
5. I have no financial interest in the ownership of the property, nor do I expect to receive such interest.

Respectfully Submitted,



Robert T. McKnight, P.Eng.
Vancouver, B.C.
March 15, 1986



DETAILED COST STATEMENT

1985 PROGRAMME

1. WAGES and FEES

Robert T. McKnight, P.Eng.; 1½ days @ \$300/day November 2, 1985; March 14, 1986	\$ 450.00
---	-----------

Paul W. LaFontaine; 1 day @ \$175/day November 2, 1985	175.00
---	--------

2. FOOD, ACCOMMODATIONS

2½ man days \$82.33/man day	205.84
-----------------------------	--------

3. TRANSPORTATION

1 trip Vancouver to Princeton to Vancouver	50.00
1 trip Princeton to property to Princeton	

4. ASSAYS

33 samples \$10.76/sample	355.00
---------------------------	--------

5. REPORT

Drafting, typing, supplies, photo-copying	<u>200.00</u>
---	---------------

	<u>\$1,480.84</u>
--	-------------------

APPENDICES

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SM.V.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-SOILS -B0 MESH P2-ROCKS AU+ ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: FEB 28 1986 DATE REPORT MAILED: *Mar 4/86* ASSAYER: *D. J. Deane* DEAN TOYE, CERTIFIED B.C. ASSAYER.

RAY STEWART FILE # 86-0234

PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au# PPB
C330	1	104	2	83	.1	66	22	900	3.30	12	5	ND	2	47	1	2	2	53	1.12	.20	16	54	.93	108	.11	7	1.62	.01	.35	1	33
C400	1	68	6	89	.1	55	18	935	3.41	6	5	ND	5	46	1	2	2	55	.54	.16	16	46	.82	153	.15	5	2.03	.01	.38	1	6
C500	1	59	4	77	.4	43	15	758	2.75	7	5	ND	4	55	1	3	2	45	1.43	.14	14	39	.73	132	.11	5	1.58	.02	.34	1	4
C575	1	67	7	78	.1	51	18	907	3.08	9	11	ND	5	47	1	2	2	50	.71	.13	15	49	.83	122	.12	6	1.66	.02	.35	1	7
C625	1	68	6	85	.2	48	18	991	2.77	11	5	ND	4	41	1	2	8	43	.74	.19	12	41	.69	134	.09	3	1.40	.01	.33	1	100
C700	1	59	4	78	.1	56	18	893	3.16	9	5	ND	3	53	1	3	3	52	.54	.15	15	55	.84	134	.13	8	1.80	.02	.32	1	12
C750	1	60	11	95	.1	53	17	1003	3.20	9	7	ND	4	48	1	2	4	53	.56	.18	16	46	.76	165	.13	4	1.83	.01	.39	1	5
C800	1	62	45	142	.2	51	17	886	3.31	11	5	ND	6	44	1	2	5	55	.54	.16	15	49	.77	138	.14	8	1.78	.02	.32	1	8
C900	1	74	4	75	.2	59	16	648	3.37	15	5	ND	5	42	1	2	3	59	.54	.15	16	52	.89	97	.14	8	1.56	.02	.31	1	16
C1000	1	57	4	84	.1	49	16	968	2.87	3	5	ND	4	49	1	2	2	49	.64	.18	16	40	.68	179	.12	3	1.75	.02	.31	1	6
C1100	1	49	6	62	.2	54	15	693	2.91	10	5	ND	4	79	1	3	2	47	.59	.16	15	58	.85	95	.12	4	1.39	.01	.26	1	5
Q 0+300W	1	174	10	95	.8	18	14	1259	4.15	2	9	ND	9	147	1	2	2	109	1.43	.33	29	21	.75	74	.13	6	1.73	.04	.32	1	7
Q 0+250W	1	221	11	98	1.1	14	15	1186	4.28	3	5	ND	7	122	1	2	2	114	1.71	.33	28	15	.94	49	.14	14	1.83	.05	.51	1	13
Q 0+145W	1	101	10	84	.4	19	12	1178	3.11	5	5	ND	5	71	1	2	2	71	.91	.20	20	26	.73	97	.12	12	1.64	.03	.34	1	14
Q 0+110W	1	97	6	89	.1	18	11	881	2.93	3	5	ND	5	62	1	2	2	64	.75	.19	21	26	.54	138	.13	7	2.05	.03	.26	1	7
Q 0+60W	1	134	11	123	.1	15	13	1409	3.53	2	5	ND	7	82	1	2	2	85	.99	.23	28	21	.66	119	.13	7	1.88	.03	.32	1	6
Q 0+30W	1	99	6	85	.5	15	11	1008	2.86	4	5	ND	7	85	1	2	2	69	1.05	.28	27	16	.51	105	.13	5	1.95	.04	.22	1	1
Q 11M 3W	1	71	6	82	.1	21	12	787	2.99	5	5	ND	5	67	1	2	2	66	1.13	.24	21	28	.68	129	.13	9	1.76	.03	.37	1	3
Q 10N 3W	1	69	4	44	.2	24	11	554	2.40	3	5	ND	2	81	1	2	2	56	2.09	.20	16	25	.54	73	.09	7	1.00	.04	.21	1	7
Q 9+70N 3W	1	50	7	65	.1	19	10	720	2.28	3	5	ND	1	66	1	2	2	48	.84	.18	15	24	.49	153	.10	5	1.58	.03	.25	1	1
Q 9+15M 3W	1	74	2	83	.3	22	11	859	2.72	4	7	ND	4	59	1	2	2	58	.79	.22	19	27	.53	167	.11	6	1.99	.03	.23	1	2
Q 8N 3W	1	47	4	60	.1	23	11	681	2.70	2	5	ND	4	51	1	2	2	59	.83	.20	18	25	.53	127	.12	9	1.62	.03	.24	1	4
Q 7N 3W	1	36	2	58	.1	18	9	429	2.21	2	5	ND	1	67	1	2	2	38	.69	.12	15	20	.51	145	.11	7	1.82	.05	.33	1	2
Q 6N 3W	1	61	4	71	.1	22	11	747	2.80	4	5	ND	5	54	1	2	2	62	.81	.18	19	27	.54	137	.12	5	1.75	.03	.28	1	2
Q 5+25N 3W	1	36	3	61	.1	19	9	714	2.13	5	5	ND	3	56	1	2	2	43	.74	.19	14	22	.39	151	.08	4	1.43	.02	.18	1	3
Q 4N 3W	1	62	3	71	.1	31	13	833	3.29	7	5	ND	7	49	1	2	4	70	.71	.18	19	40	.61	110	.14	2	1.77	.02	.28	1	4
Q 3+50N 3W	1	46	6	65	.1	16	9	760	2.15	3	6	ND	5	60	1	3	2	44	.72	.14	14	17	.40	158	.10	3	1.70	.03	.18	1	1
Q 3+15M 3W	1	59	23	77	4.6	16	9	940	2.34	2	5	ND	4	64	1	6	2	48	.69	.16	18	19	.42	180	.11	13	1.95	.03	.20	1	1
Q 2N 3W	1	67	4	78	.1	36	13	921	3.06	5	5	ND	3	53	1	2	2	60	.72	.19	19	40	.67	137	.12	4	1.68	.02	.29	1	1
Q 1N 3W	1	194	3	87	.1	23	13	1225	3.69	2	5	ND	6	141	1	2	2	91	1.20	.28	27	29	.67	74	.13	2	1.92	.04	.25	1	4
SF 0+35	1	37	4	93	.1	14	8	747	2.07	7	6	ND	3	31	1	2	2	37	.46	.09	7	13	.25	151	.10	5	1.81	.03	.12	1	1
SF 0+75	1	33	4	58	.1	16	8	403	3.21	2	5	ND	2	43	1	2	2	70	.47	.07	9	25	.46	122	.11	2	1.33	.02	.16	1	3
SF 1+25	1	31	5	58	.1	15	9	427	3.42	3	5	ND	3	41	1	2	2	82	.43	.09	12	26	.46	97	.11	2	1.18	.02	.12	1	290
SF 1+75	1	28	7	58	.1	14	8	398	2.95	2	5	ND	3	41	1	2	2	59	.43	.05	11	18	.42	141	.11	4	1.52	.02	.13	1	2
SF 2+25	1	33	7	58	.1	13	7	272	2.94	2	5	ND	2	43	1	2	2	60	.41	.04	10	20	.41	125	.11	5	1.45	.03	.10	1	1
SF 2+75	1	29	2	54	.1	13	7	250	3.11	2	5	ND	3	38	1	2	2	68	.36	.05	11	24	.41	113	.11	2	1.36	.02	.09	1	1
STD C/AU-0.5	21	61	38	139	7.0	75	29	1231	3.99	38	16	7	35	49	18	15	21	62	.48	.15	38	61	.88	185	.08	35	1.72	.06	.10	13	480

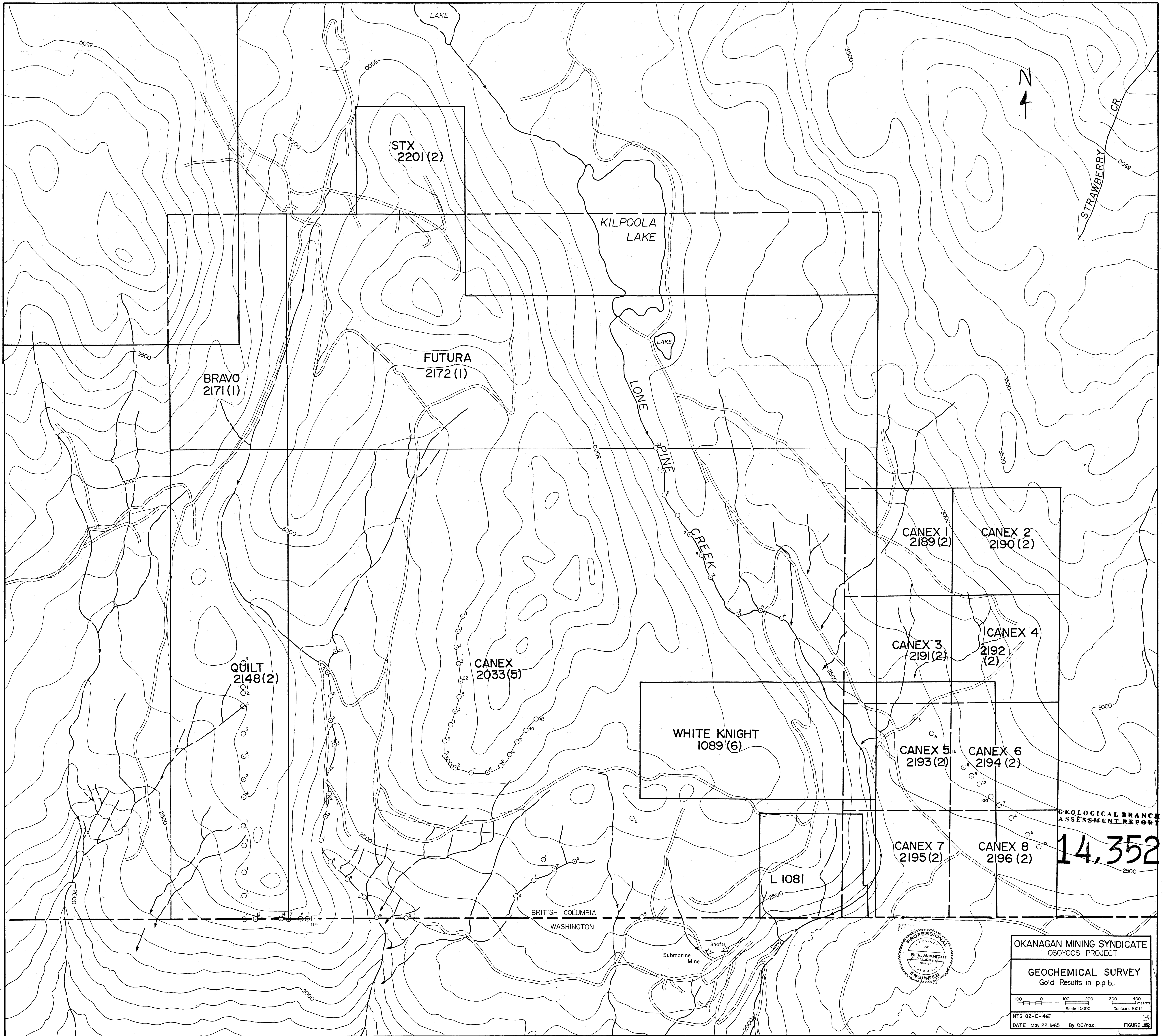
CAMEX
1-8

QUILT

RAY STEWART FILE # 86-0234

PAGE 2

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe I	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca I	P I	La PPM	Cr PPM	Mg I	Ba PPM	Ti I	B PPM	Al I	Na I	K I	W PPM	Au# PPB
2R 1N 3M	1	15	4	11	.1	3	1	218	1.19	4	5	ND	15	41	1	2	2	23	.35	.05	.25	2	.06	17	.06	2	.22	.06	.08	1	1
SF R-1	1	6	2	5	.1	5	1	436	.53	2	5	ND	1	36	1	2	2	3	2.89	.01	2	2	.07	4	.01	2	.09	.01	.01	1	2
SF R-2	1	4	2	2	.1	4	1	56	.37	2	5	ND	1	2	1	2	2	1	.04	.01	2	1	.01	3	.01	2	.01	.01	.01	1	9



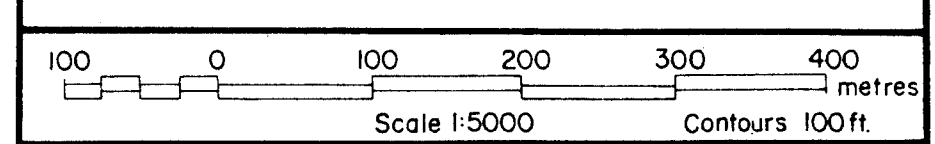
GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,352



OKANAGAN MINING SYNDICATE
OSOYOOS PROJECT

GEOCHEMICAL SURVEY
Gold Results in p.p.b.



NTS 82-E-4E
DATE May 22, 1985 By DC/rod. FIGURE 3B