

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS 105 H/4

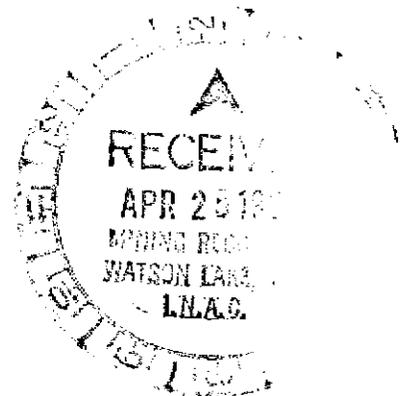
1996 ASSESSMENT REPORT

RIVER PROPERTY

GEOLOGICAL MAPPING/PROSPECTING AND

SOIL GEOCHEMISTRY

WATSON LAKE M.D., YUKON



SOUTH TUCHITUA RIVER AREA, PELLY MOUNTAINS

WORK PERIOD

JUNE 16 TO AUGUST 9, 1996

093650

LATITUDE: 61°01'

LONGITUDE: 129°50'

APRIL, 1997

DARREN A. SENFT

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 4000.

M. B. B.
for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

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1996 ASSESSMENT REPORT RIVER PROPERTY, YUKON TERRITORY

1.0 SUMMARY

The RIVER property, comprising 80 units, is located on the north side of the Tuchitua River, 10 kms north of Hasselberg Lake, 60 kms southeast of Cominco's ABM VHMS Deposit, and approximately 125 kms northwest of Watson Lake.

The property was staked to cover airborne geophysical targets identified during a Cominco survey conducted in 1994.

The rocks underlying this part of southeastern Yukon have been assigned to the Yukon-Tanana Terrane (YTT) and the Slide Mountain Terrane (SMT). The YTT consists primarily of a layered sequence of metamorphosed rocks comprising a "lower unit" of pre-Devonian quartzite, pelitic schist and minor marble, a late Devonian to mid-Mississippian "middle unit" comprising carbonaceous phyllite and schist with interbanded mafic and, locally significant, felsic metavolcanics, and an "upper unit" of Pennsylvanian marbles and quartzite. Volcanism within the "middle unit" was accompanied by the intrusion of 2-3, late Devonian to Mississippian, mafic to felsic metaplutonic suites. Felsic volcanics of the "middle unit" are host to Cominco's ABM VHMS Deposit.

The RIVER property is underlain by a sequence of late Devonian to mid-Mississippian mixed "middle unit" of the Yukon Tanana Terrane, comprising sequences of mixed metasediments (siltstone, chert) and intervals of felsic and mafic metavolcanics. A series of serpentinized ultramafic plutons of the SMT also occur on the lower slopes of the property.

Work completed on the RIVER property in 1996 included four person days of mapping, one day of prospecting, and three person days of contour soil and stream silt sampling. Soil sampling returned several samples with anomalous Ni values, and mapping/prospecting discovered several areas with significant felsic volcanics. A grid-based geophysical survey over a linear MAG±AEM feature, in addition to further mapping, prospecting and soil geochemistry is recommended for the RIVER property.

2.0 LOCATION AND ACCESS

The RIVER property is located near the southern bend in the Tuchitua River, 10 kms north of Hasselberg Lake. This area is about 60 kms southeast of Cominco's ABM VHMS Deposit and approximately 125 kms northwest of Watson Lake (Figure 1). The gravel, all-weather Robert Campbell Highway provides access to within 25 kms of the property. Direct access is by helicopter.

3.0 PROPERTY AND OWNERSHIP

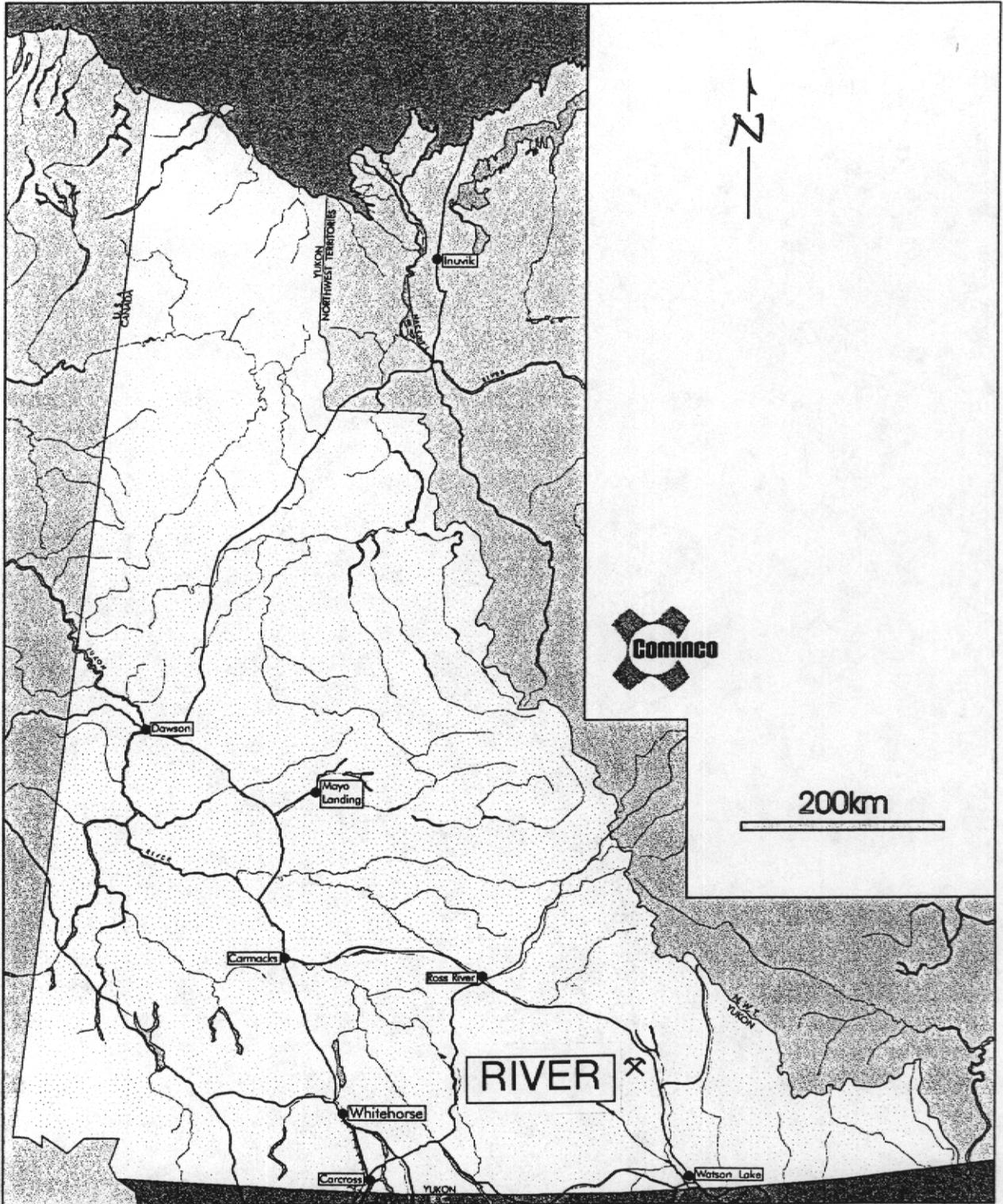
The RIVER property, comprising 80 units, is 100% owned by Cominco Ltd. (Figure 2).

<u>NAME</u>	<u>UNITS</u>	<u>CLAIM NO.</u>	<u>DUE DATES</u>
RIVER 1-80	80	YB71103-182	May 15/97

4.0 PREVIOUS WORK

No previous work or known showings were recorded by other companies in the immediate area of the RIVER property.

Airborne geophysics was flown over this area in 1994. A long linear AMAG feature with flanking AEM is situated low on the slope in an area of overburden cover. AMAG features locally reflect the presence of magnetic mafic/ultramafic rocks. Cominco work in the 1995 field season was limited to regional silt sampling.



Drawn by: Traced by: a. m. a.

Revised by:	Date:	Revised by:	Date:

RIVER PROPERTY LOCATION MAP

105 H/4

Scale: As Shown

Date: April, 1997

Plate: 1

5.0 REGIONAL GEOLOGY

The rocks underlying this part of southeastern Yukon have been assigned to 2 terranes: the Yukon-Tanana Terrane (YTT) and the Slide Mountain Terrane (SMT) (Mortensen, 1983a; Mortensen and Jilson, 1985).

The YTT consists primarily of a layered sequence of metamorphosed rocks comprising a "lower unit" (3I) of pre-Devonian quartzite, pelitic schist and minor marble, a late Devonian to mid-Mississippian "middle unit" (3F) comprising carbonaceous phyllite and schist with interbanded mafic and, locally significant, felsic metavolcanics (3G), and an "upper unit" of Pennsylvanian marbles and quartzite. Volcanism within the "middle unit" was accompanied by the intrusion of 2-3, late Devonian to Mississippian, mafic to felsic metaplutonic suites (Simpson Range suite and augen and monzonitic orthogneisses). This sequence appears to reflect stable platformal or shelf sedimentation with an intervening period of mafic to felsic arc volcanism developed within a more reduced basinal setting. Felsic volcanoclastics of the "middle unit" are host to Cominco's ABM VHMS Deposit.

The late Devonian to Triassic SMT comprises a heterogenous package of mafic to ultramafic plutonic rocks, mafic volcanics, massive carbonate and chert. This sequence was structurally emplaced as thrust bounded klippen on YTT rocks or as thrust slices imbricated within YTT rocks during a period of crustal shortening (D2). The SMT is thought to represent a disrupted oceanic crust and volcanic arc assemblage thought to be located between the YTT and ancestral North America(?).

A subhorizontal to moderately north to northeast dipping, penetrative ductile deformation fabric (S2) and associated middle greenschist facies (chlorite-biotite grade) metamorphism affects all YTT rocks. This fabric reflects the first, and most significant, deformational and metamorphic event (D1) perhaps related to a continent-arc collision during late Permian to early Triassic time.

Late Triassic immature clastics comprising micaceous argillite, siltstone and sandstone unconformably(?) overlie the deformed and metamorphosed YTT rocks. These sediments are often closely associated with SMT volcanics and are invariably in fault contact with YTT rocks.

The SMT, Late Triassic sediments and Late Triassic to Middle Jurassic plutons are all affected by a period of Middle Jurassic to Late Cretaceous thrust faulting (D2), during which the Finlayson Lake Fault Zone was formed. This complex fault zone contains both thrust and steep, transcurrent(?) faults and separates the YTT from autochthonous North America (Mortensen, 1983a; Mortensen and Jilson, 1985).

6.0 1996 FIELD WORK

6.1 GEOLOGY, PROSPECTING AND GEOCHEMISTRY

Regional scale mapping and prospecting was completed by recce traverses on the RIVER property, as well as contour soil lines and stream silt sampling. The following table summarizes 1996 fieldwork.

PROPERTY	GEOLOGY	PROSPECTING	GEOCHEMISTRY
RIVER	Jun 16, Jul 5; JP, KK, DM, DK	Jul 5; ABM	Aug 8,9; 70 soils, 30 silts

7.0 RIVER PROPERTY

7.1 GEOLOGY AND MINERALIZATION

The RIVER property is underlain by a sequence of late Devonian to mid-Mississippian mixed "middle unit" of the Yukon Tanana Terrane, comprising sequences of mixed metasediments (siltstone, chert) and intervals of felsic and mafic metavolcanics. The property is fairly well exposed at higher elevations, though lower slopes are predominantly covered by vegetation. The stratigraphy on the property generally trends to the northwest, with variably shallow to moderate dips of 10-31° to the northeast (Figure 3).

The uppermost unit on the property comprises a thick unit of thinly banded, highly schistose felsic tuffs, comprised of quartz-muscovite± sericite-chlorite. To the northwest these felsics are overlain by a 200-300 metre thick unit of medium to dark green, locally rusty weathering phyllitic chlorite-amphibole± biotite-quartz mafic volcanic tuff. To the southeast the felsics are underlain by a 150-200 metre thick package of mixed chert and siltstone metasediments. These sediments are underlain near the base of the hillside by another unit of felsic tuffs. Mineralization on the property is limited to minor disseminated pyrite within the felsic tuffs, with trace chalcopyrite locally.

Partway up the hillside on the western half of the property, moderately magnetic serpentinized ultramafic plutons of the SMT are found intruding, or in fault contact with the upper unit of felsic volcanics.

7.2 GEOCHEMISTRY

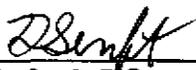
Contour soil samples on the RIVER property were collected at 100m intervals along two lines. Stream silt samples were collected at 200m intervals from two streams on the property. A total of 70 soil and 30 silt samples were collected (Figure 4).

Results from the contour soil and stream silt sampling returned several samples anomalous in Ni (up to 257 ppm), but no significantly elevated results for any other base metals.

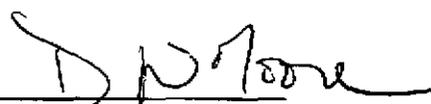
8.0 CONCLUSIONS and RECOMMENDATIONS

The RIVER property is underlain by a sequence of late Devonian to mid-Mississippian mixed "middle unit" of the Yukon Tanana Terrane, comprising sequences of mixed metasediments (siltstone, chert) and intervals of felsic and mafic metavolcanics.

Work completed on the RIVER property in 1996 included four person days of mapping, one day of prospecting, and three person days of contour soil and stream silt sampling. Results from the soil sampling returned several samples anomalous in Ni, and mapping/prospecting discovered several areas with significant felsic volcanics. The linear AMAG with associated AEM remains a good target, especially given the recent results of Columbia Gold at Fyre Lake. A grid-based geophysical survey in addition to further mapping, prospecting and soil geochemistry is recommended for the RIVER property.

Report by: 
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Endorsed by: 
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Approved for
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D. W. Moore
Manager, Exploration
Western Canada

DAS/
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Mining Recorder (2)

9.0 REFERENCES

PLINT, H. E., 1994. GEOLOGICAL MAPPING IN THE CAMPBELL RANGE, SOUTHEASTERN YUKON (PARTS OF 105 G/8, G/9 AND 105 H/5,H/12); Yukon Exploration and Geology 1994: Part C, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs, Canada, p. 47-58.

MORTENSEN, J. K., 1983a. AGE AND EVOLUTION OF THE YUKON-TANANA TERRANE, SOUTHEASTERN YUKON TERRITORY [Ph.D. Thesis]; Santa Barbara, University of California, 155 p.

MORTENSEN, J. K. AND JILSON, G. A., 1985. EVOLUTION OF THE YUKON-TANANA TERRANE : EVIDENCE FROM SOUTHEASTERN YUKON TERRITORY; Geology, 13, p. 806-810.

APPENDIX I
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Darren A. Senft, of #4-2415 W. 4th Ave., Vancouver, B.C. hereby declare that I:

1. Graduated from The University of British Columbia, Vancouver, B.C. with a B.Sc. in Geology in May, 1994.
2. Have been actively engaged in mineral exploration in Western Canada as a geological assistant with Cominco Ltd. during the summers of 1992-93 and as a contract geologist with Cominco Ltd. since May, 1994.

Date: April, 1997



D.A. SENFT, B.Sc.
GEOLOGIST

APPENDIX II
1996 GEOCHEMISTRY DATA

RIVER SOIL GEOCHEMISTRY

LAB NUMBER	FIELD NUMBER	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Ba ppm	Cd ppm	Co ppm	Ni ppm	Fe %	Mo ppm	Cr ppm	Bi ppm	Sb ppm	V ppm	Sn ppm	W ppm	Sr ppm	Y ppm	La ppm	Mn ppm	Mg %	Ti %	Al %	Ca %	Na %	K %	Au	Au Wt.	Ba (xrf)
S9627913	326551	17	9	35	0.2	26	103	1	3	21	1.55	1	32	9	2	24	1	2	5	1	3	247	0.27	0.01	0.61	0.08	0.01	0.08	-1	-1	-1
S9627914	326552	14	4	34	0.7	1	90	1	3	20	1.39	5	29	2	5	18	1	4	6	1	5	152	0.35	0.01	0.59	0.13	0.01	0.08	-1	-1	-1
S9627915	326553	48	2	33	0.2	9	511	1	4	24	1.15	1	17	2	2	10	1	2	8	5	6	500	0.27	0.01	0.77	0.24	0.01	0.08	-1	-1	-1
S9627916	326554	20	6	34	0.2	3	254	1	6	26	1.8	1	41	2	10	28	1	1	5	1	4	256	0.53	0.01	0.77	0.07	0.01	0.06	-1	-1	-1
S9627917	326555	12	2	23	0.4	20	194	1	4	15	1.13	1	21	2	7	15	1	4	5	1	2	231	0.33	0.01	0.48	0.13	0.01	0.08	-1	-1	-1
S9627918	326556	13	7	26	0.7	13	286	1	6	26	1.46	1	50	2	2	20	1	1	6	1	3	300	0.31	0.01	0.53	0.11	0.01	0.04	-1	-1	-1
S9627919	326557	7	2	30	0.2	3	178	1	3	12	1.1	1	14	2	5	15	1	1	6	1	2	369	0.12	0.01	0.33	0.11	0.01	0.07	-1	-1	-1
S9627920	326558	15	2	22	0.2	1	143	1	2	16	1.06	1	15	2	7	10	1	2	4	1	2	175	0.19	0.01	0.44	0.07	0.01	0.04	-1	-1	-1
S9627921	326559	39	9	41	0.2	2	597	1	5	60	1.33	3	32	2	10	14	1	1	5	8	5	1525	0.13	0.01	0.57	0.24	0.01	0.04	-1	-1	-1
S9627922	326560	10	5	37	0.2	3	248	1	3	11	1.09	1	13	2	2	10	1	1	3	1	2	339	0.13	0.01	0.46	0.09	0.01	0.05	-1	-1	-1
S9627923	326561	27	5	29	0.2	1	158	1	9	40	1.56	4	49	2	13	21	1	1	3	1	2	378	0.44	0.01	0.66	0.09	0.01	0.06	-1	-1	-1
S9627924	326562	57	5	43	0.4	10	105	1	9	62	1.49	1	60	2	2	21	1	3	3	1	2	280	0.33	0.01	0.73	0.05	0.01	0.06	-1	-1	-1
S9627925	326563	29	2	41	0.2	1	62	1	8	61	2.25	1	127	2	2	46	1	2	3	1	1	229	0.93	0.02	1.09	0.05	0.01	0.03	-1	-1	-1
S9627926	326564	112	2	74	1	1	185	1	25	257	4.48	2	146	5	18	46	1	2	7	1	3	440	1.15	0.04	2.1	0.15	0.01	0.31	5	9.6	744
S9627927	326565	51	2	26	0.6	3	54	1	11	124	2.03	1	100	2	12	41	1	2	2	1	1	224	1.18	0.03	1.33	0.04	0.01	0.02	-1	-1	-1
S9627928	326566	17	2	23	0.2	13	71	1	11	26	1.58	1	49	2	11	27	1	1	5	1	1	318	0.51	0.01	0.85	0.1	0.01	0.02	-1	-1	-1
S9627929	326567	10	6	19	0.2	10	38	1	3	16	0.98	1	28	2	6	22	1	1	2	1	2	80	0.22	0.02	0.4	0.03	0.01	0.04	-1	-1	-1
S9627930	326568	24	2	13	0.6	7	201	1	2	22	0.57	1	26	2	2	12	1	1	16	1	1	183	0.11	0.01	0.26	0.28	0.01	0.05	-1	-1	-1
S9627931	326569	9	2	11	0.2	1	86	1	1	11	0.33	1	13	7	2	7	1	4	5	1	1	75	0.05	0.01	0.21	0.07	0.01	0.02	-1	-1	-1
S9627932	326570	10	2	19	0.4	1	78	1	5	37	0.86	1	46	2	8	17	1	2	3	1	1	111	0.45	0.01	0.53	0.03	0.01	0.02	-1	-1	-1
S9627933	326571	27	2	19	0.2	12	70	1	7	87	1.27	2	78	2	5	24	1	2	2	1	1	118	0.56	0.02	0.68	0.02	0.01	0.01	-1	-1	-1
S9627934	326572	30	5	65	0.5	15	192	1	7	16	1.81	1	14	2	6	17	1	4	5	1	2	568	0.45	0.01	0.95	0.11	0.02	0.06	-1	-1	-1
S9627935	326573	11	2	34	0.4	1	61	1	4	28	1.34	1	47	2	8	21	1	1	2	1	2	155	0.46	0.01	0.65	0.03	0.01	0.03	-1	-1	-1
S9627936	326574	4	2	7	0.2	2	36	1	1	6	0.34	1	17	2	2	6	1	1	1	1	2	23	0.06	0.01	0.31	0.01	0.01	0.01	-1	-1	-1
S9627937	326575	5	2	17	0.4	1	47	1	2	14	0.67	1	29	2	2	14	1	2	2	1	1	86	0.2	0.01	0.37	0.02	0.01	0.02	-1	-1	-1
S9627938	326576	15	4	27	0.2	1	97	1	5	39	1.54	1	54	2	10	28	1	3	3	1	1	266	0.53	0.02	0.72	0.03	0.01	0.03	-1	-1	-1
S9627939	326577	10	2	19	0.2	1	73	1	4	30	1.4	1	71	2	2	40	1	1	2	1	1	113	0.37	0.04	0.59	0.02	0.01	0.02	-1	-1	-1
S9627940	326578	10	4	15	0.2	8	158	1	2	15	0.74	1	28	8	6	10	1	1	2	1	2	90	0.25	0.01	0.52	0.02	0.01	0.02	-1	-1	-1
S9627941	326579	27	5	29	0.2	14	147	1	6	53	1.31	1	23	2	2	12	1	1	9	6	4	377	0.28	0.01	0.64	0.26	0.01	0.01	-1	-1	-1
S9627942	326580	24	7	24	0.5	15	110	1	6	35	1.36	1	25	11	13	13	1	1	4	2	3	261	0.31	0.01	0.65	0.1	0.01	0.02	-1	-1	-1
S9627943	326581	5	2	8	0.2	4	55	1	1	5	0.61	1	7	2	2	11	1	1	4	1	1	201	0.05	0.01	0.31	0.13	0.01	0.02	-1	-1	-1
S9627944	326582	16	4	28	0.2	8	93	1	3	21	1.37	1	19	5	2	15	1	3	3	1	2	204	0.21	0.01	0.58	0.03	0.01	0.04	-1	-1	-1
S9627945	326583	11	4	32	0.7	8	147	1	4	26	1.64	1	38	2	2	19	1	1	7	1	3	378	0.28	0.01	0.6	0.14	0.01	0.05	-1	-1	-1
S9627946	326584	5	5	19	0.2	1	81	1	2	7	0.85	1	9	2	7	14	1	6	1	1	2	267	0.07	0.02	0.37	0.01	0.01	0.03	-1	-1	-1
S9627947	326585	24	12	25	0.2	14	105	1	1	10	1.7	3	9	2	2	22	1	1	8	1	2	63	0.02	0.01	0.35	0.04	0.01	0.07	-1	-1	-1
S9627948	326586	14	8	42	0.4	13	105	1	4	20	1.89	1	22	2	12	14	1	1	5	1	4	184	0.3	0.01	0.75	0.05	0.01	0.07	-1	-1	-1
S9627949	326587	9	2	29	0.2	11	85	1	3	13	1.42	2	15	2	2	13	1	1	4	1	3	176	0.22	0.01	0.56	0.06	0.01	0.03	-1	-1	-1
S9627950	326588	13	5	32	0.4	5	96	1	2	15	1.46	3	10	2	9	13	1	1	6	1	2	194	0.14	0.01	0.4	0.09	0.01	0.05	-1	-1	-1
S9627951	326589	13	5	32	0.4	10	96	1	3	15	1.78	1	11	2	2	15	1	1	5	1	1	420	0.12	0.01	0.41	0.06	0.01	0.04	-1	-1	-1
S9627952	326590	15	2	22	0.2	1	351	1	3	13	1.27	1	10	2	5	12	1	1	5	1	2	221	0.19	0.01	0.61	0.09	0.01	0.04	-1	-1	-1
S9627953	326591	8	8	15	0.4	14	183	1	2	7	0.76	1	9	6	6	10	4	1	16	1	2	316	0.15	0.01	0.5	0.18	0.01	0.02	-1	-1	-1
S9627954	326592	19	4	31	0.5	7	197	1	4	21	1.61	1	19	2	7	16	1	1	4	1	3	230	0.41	0.01	0.79	0.08	0.01	0.04	-1	-1	-1
S9627955	326593	10	5	7	0.2	1	114	1	1	6	0.32	1	5	7	11	2	1	3	15	1	2	47	0.04	0.01	0.28	0.25	0.01	0.02	-1	-1	-1
S9627956	326594	28	14	50	0.4	28	242	1	9	20	2.42	2	15	2	2	15	1	3	12	5	5	887	0.14	0.01	0.77	0.13	0.01	0.05	-1	-1	-1
S9627957	326595	147	13	73	1.2	1	363	2	9	99	1.76	4	16	2	2	8	1	2	74	23	11	1560	0.16	0.01	0.99	1.56	0.02	0.03	5	10	1204
S9627959	326597	63	16	91	0.2	1	589	1	14	203	1.93	3	40	2	2	11	1	1	19	9	6	2866	0.18	0.01	0.84	0.25	0.01	0.06	5	10	1848
S9627960	326598	33	15	53	0.7	8	199	1	10	54	2.85	1	39	2	18	15	1	2	9	1	2	459	0.19	0.01	0.64	0.09	0.01	0.05	-1	-1	-1
S9628208	335409	21	8	49	0.2	1	88	1	7	36	1.79	2	41	2	5	12	4	1	16	8	19	292	0.48	0.01	0.72	0.26	0.01	0.11	0	0	0
S9628934	326600	39	10	58	1.2	13	158	1	12	42	3.11	2	49	2	5	32	1	1	14	3	11	816	0.8	0.01	1.36	0.17	0.01	0.17	5	10	1335
S9628935	326601	23	7	40	0.2	10	265	1	7	30	1.88	3	33	2	2	19	2	1	19	2	9	1339	0.49	0.01	0.9	0.27	0.01	0.14	0	0	0
S9628936</																															

S9628938	326604	8	5	33	0.4	2	193	1	4	42	1.26	3	100	2	2	19	3	1	4	1	7	226	0.48	0.01	0.71	0.06	0.01	0.04	0	0	0	0
S9628939	326605	19	8	59	0.8	12	519	1	10	56	1.9	1	73	2	2	20	1	1	14	2	6	1529	0.65	0.01	1.05	0.2	0.01	0.07	0	0	0	0
S9628940	326606	14	5	36	0.5	9	124	1	5	11	2.08	1	17	2	5	25	1	1	10	1	4	386	0.45	0.02	0.84	0.15	0.01	0.14	0	0	0	0
S9628941	326607	6	4	24	0.6	1	91	1	18	171	2.52	3	288	2	22	45	1	1	7	1	6	312	1.43	0.01	1	0.11	0.01	0.04	0	0	0	0
S9628942	326608	7	5	17	0.4	1	151	1	5	44	1.58	3	74	7	11	17	1	1	6	1	7	78	0.21	0.01	0.63	0.07	0.01	0.05	0	0	0	0
S9628943	326609	6	8	22	0.5	8	57	1	8	56	1.42	1	37	5	2	16	2	1	9	1	5	188	0.32	0.01	0.49	0.13	0.01	0.09	0	0	0	0
S9628944	326610	5	2	16	0.6	6	128	1	39	139	2.1	1	173	2	8	8	1	1	17	1	2	1526	0.33	0.01	0.47	0.2	0.01	0.04	0	0	0	0
S9628945	326611	10	7	18	0.2	6	129	1	5	5	0.78	1	7	2	2	9	1	1	17	1	7	352	0.05	0.01	0.48	0.2	0.04	0.05	0	0	0	0
S9628946	326612	15	2	9	0.6	1	239	1	2	5	0.61	2	6	2	10	6	1	1	66	4	7	103	0.09	0.01	0.51	1.48	0.03	0.02	0	0	0	0
S9628947	326613	15	11	24	0.4	6	70	1	4	10	1.3	1	11	2	2	12	1	1	12	3	8	118	0.21	0.01	0.61	0.15	0.02	0.05	0	0	0	0
S9628948	326614	8	4	18	0.2	8	112	1	3	8	0.85	1	11	6	2	8	1	1	9	2	6	75	0.21	0.01	0.57	0.1	0.01	0.03	0	0	0	0
S9628949	326615	2	7	8	0.4	1	53	1	1	3	0.4	1	7	8	2	7	1	1	7	1	4	31	0.09	0.01	0.33	0.09	0.01	0.05	0	0	0	0
S9628950	326616	11	6	21	0.5	1	158	1	2	6	0.82	1	7	2	2	11	2	1	20	2	6	39	0.08	0.01	0.36	0.2	0.03	0.03	0	0	0	0
S9628951	326617	32	18	43	0.2	14	86	1	7	19	2.13	3	16	2	2	12	1	1	15	7	15	279	0.31	0.01	0.76	0.18	0.01	0.12	0	0	0	0
S9628952	326618	6	9	15	0.2	1	89	1	2	4	0.65	1	7	2	2	9	1	1	6	1	5	151	0.08	0.01	0.41	0.08	0.01	0.04	0	0	0	0
S9628953	326619	10	9	31	0.4	5	148	1	3	14	1.56	3	20	2	2	16	1	1	12	1	11	281	0.37	0.01	0.8	0.16	0.01	0.12	0	0	0	0
S9628954	326620	10	8	39	0.5	3	74	1	4	20	1.8	1	30	2	10	15	1	1	9	1	11	210	0.51	0.01	0.96	0.1	0.01	0.09	0	0	0	0
S9627912	326550	50	8	40	0.2	1	265	1	8	83	1.58	1	47	2	15	18	1	4	40	5	5	421	0.52	0.01	0.83	0.68	0.01	0.04	-1	-1	-1	-1

RIVER SILT GEOCHEMISTRY

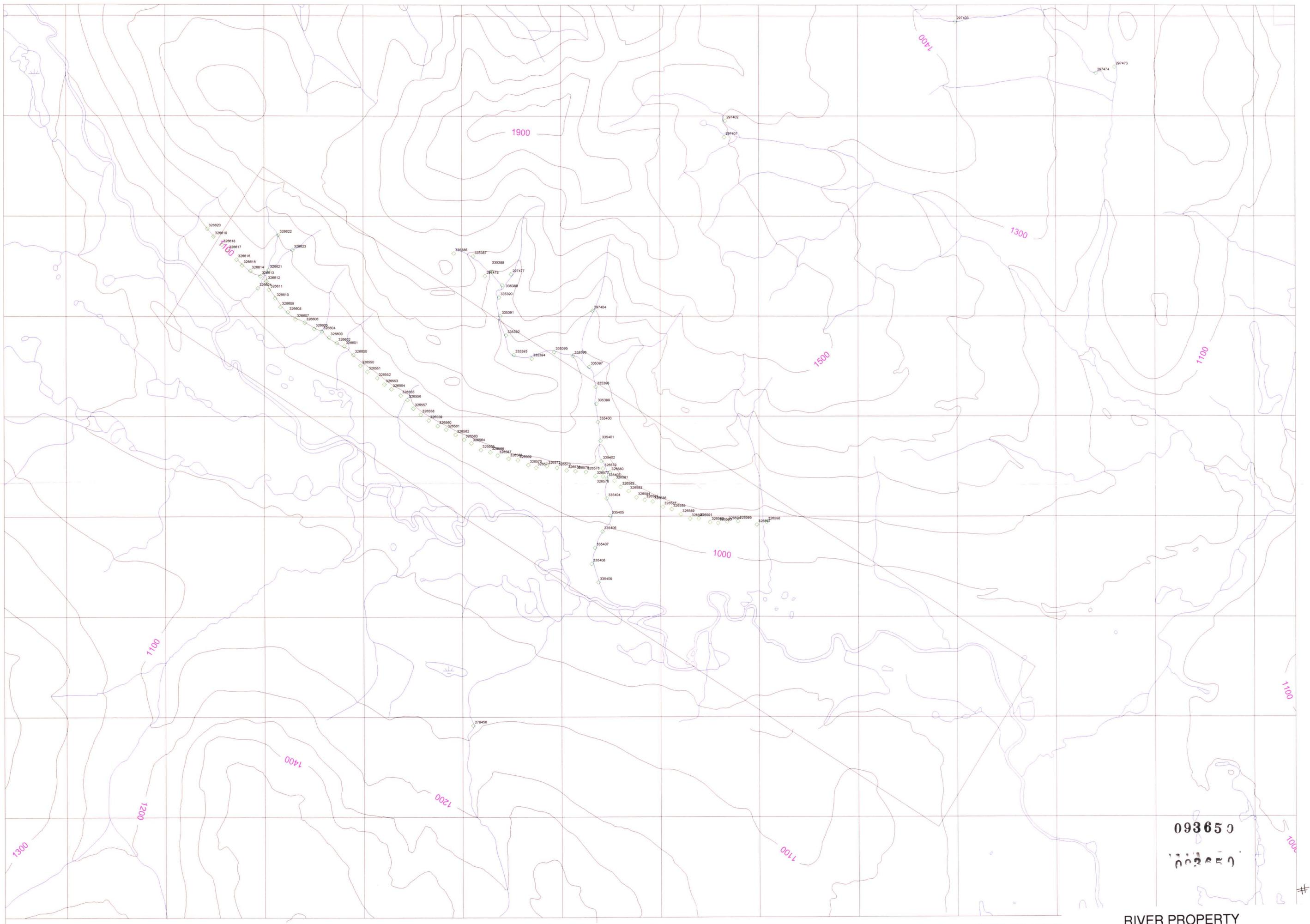
LAB	FIELD	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	Au	Au Wt.	Ba (xrf)
NUMBER	NUMBER	ppm	%	ppm	%	%	%	%	%	%	%	%	%																		
S9628186	335387	21	20	63	0.2	15	119	1	7	17	1.85	2	13	2	2	12	1	1	17	13	33	372	0.26	0.01	0.72	0.27	0.02	0.18	0	0	0
S9628187	335388	47	19	69	0.2	1	92	1	10	26	1.87	5	17	2	2	13	1	1	27	38	74	500	0.3	0.01	0.81	0.48	0.03	0.16	0	0	0
S9628188	335389	47	18	74	0.2	5	84	1	9	27	1.83	5	18	2	2	12	1	1	30	34	68	449	0.33	0.01	0.83	0.53	0.01	0.17	0	0	0
S9628189	335390	27	22	55	0.2	22	92	1	7	20	1.82	6	18	2	2	12	1	1	33	30	57	364	0.3	0.01	0.94	0.45	0.01	0.17	0	0	0
S9628190	335391	30	23	60	0.2	11	98	1	8	19	1.84	5	18	2	2	12	1	1	34	31	61	443	0.31	0.01	0.92	0.47	0.01	0.19	0	0	0
S9628191	335392	29	21	61	0.2	6	105	1	7	19	1.79	5	18	2	2	11	1	1	43	33	70	383	0.31	0.01	0.92	0.59	0.01	0.22	0	0	0
S9628192	335393	39	20	61	0.2	3	110	1	8	19	1.79	6	17	2	2	11	1	1	47	36	77	450	0.3	0.01	0.9	0.66	0.01	0.2	0	0	0
S9628193	335394	28	13	52	0.2	8	82	1	7	18	1.89	4	14	2	2	10	1	1	24	16	36	360	0.32	0.01	0.78	0.35	0.01	0.19	0	0	0
S9628194	335395	24	17	52	0.2	8	117	1	6	16	1.86	5	17	2	2	14	1	1	37	22	48	372	0.32	0.01	0.92	0.54	0.01	0.19	0	0	0
S9628195	335396	19	13	47	0.2	10	86	1	6	14	1.78	4	15	2	2	10	1	1	23	13	32	279	0.3	0.01	0.74	0.33	0.01	0.17	0	0	0
S9628196	335397	21	14	45	0.2	13	99	1	6	15	1.62	4	15	2	2	10	1	1	30	15	35	276	0.29	0.01	0.73	0.48	0.03	0.17	0	0	0
S9628197	335398	26	14	46	0.2	20	131	1	7	19	1.63	3	20	2	2	11	1	1	40	25	55	417	0.31	0.01	0.83	0.68	0.01	0.17	0	0	0
S9628198	335399	20	14	45	0.2	1	94	1	7	17	1.74	3	18	2	2	11	1	1	24	13	27	318	0.32	0.01	0.74	0.36	0.01	0.15	0	0	0
S9628199	335400	19	10	43	0.2	8	97	1	6	20	1.69	4	20	2	2	11	1	1	25	13	27	318	0.32	0.01	0.74	0.36	0.01	0.15	0	0	0
S9628200	335401	19	10	43	0.2	1	99	1	6	24	1.66	4	25	2	2	11	2	1	22	11	25	313	0.37	0.01	0.72	0.32	0.01	0.14	0	0	0
S9628201	335402	18	11	42	0.2	14	79	1	7	23	1.76	3	27	7	2	12	1	1	15	8	18	286	0.4	0.01	0.7	0.21	0.01	0.13	0	0	0
S9628202	335403	22	10	41	0.2	6	127	1	7	30	1.62	1	36	2	9	12	1	1	23	11	24	319	0.41	0.01	0.7	0.38	0.01	0.12	0	0	0
S9628203	335404	21	11	40	0.2	15	114	1	6	25	1.49	3	28	2	2	11	5	1	26	13	27	315	0.36	0.01	0.71	0.42	0.01	0.12	0	0	0
S9628204	335405	21	11	41	0.2	8	97	1	7	29	1.62	2	32	2	2	12	5	1	19	9	19	321	0.4	0.01	0.67	0.31	0.01	0.11	0	0	0
S9628205	335406	24	10	41	0.2	1	125	1	6	29	1.39	3	29	2	2	11	1	1	30	15	30	345	0.35	0.01	0.69	0.5	0.01	0.12	0	0	0
S9628206	335407	27	11	63	0.2	15	99	1	8	39	1.96	4	36	2	2	12	1	1	19	9	19	378	0.46	0.01	0.69	0.32	0.01	0.12	0	0	0
S9628207	335408	26	10	50	0.2	13	118	1	7	34	1.63	3	34	2	2	12	1	1	28	13	29	362	0.41	0.01	0.73	0.49	0.01	0.13	0	0	0
S9628955	326621	20	8	40	0.2	1	71	1	8	32	1.92	4	29	5	2	15	1	1	30	15	27	345	0.63	0.01	0.88	0.57	0.01	0.06	0	0	0
S9628956	326622	27	7	40	0.2	14	97	1	7	40	1.81	2	36	2	2	15	2	1	45	22	37	346	0.6	0.01	0.9	0.91	0.01	0.07	0	0	0
S9628957	326623	26	8	45	0.4	17	65	1	7	24	1.85	3	20	2	2	14	1	1	30	32	55	349	0.5	0.01	0.87	0.62	0.01	0.06	0	0	0
S9628958	326624	27	9	39	0.2	21	88	1	8	55	1.78	5	54	2	14	13	6	1	33	17	28	324	0.69	0.01	0.82	0.67	0.01	0.06	0	0	0
S9628185	335386	12	17	30	0.2	1	60	1	3	9	1.37	3	13	2	2	13	1	1	5	5	19	131	0.19	0.01	0.87	0.04	0.02	0.12	0	0	0

ANALYTICAL METHODS :
ICP PACKAGE : 0.5 gram sample digested in hot reverse aqua regia (soil, silt) or hot Aqua Regia (rocks)

APPENDIX III
STATEMENT OF EXPENDITURES

RIVER PROPERTY

<u>EXPENDITURE ITEM</u>	<u>COST \$</u>
GEOLOGY STAFF COST	628
GEOCHEMISTRY STAFF COSTS	360
PROSPECTING STAFF COSTS	300
GEOCHEMICAL ANALYSES	1,808
DOMICILE	1,000
HELICOPTER	1,560
TOTAL	5,656



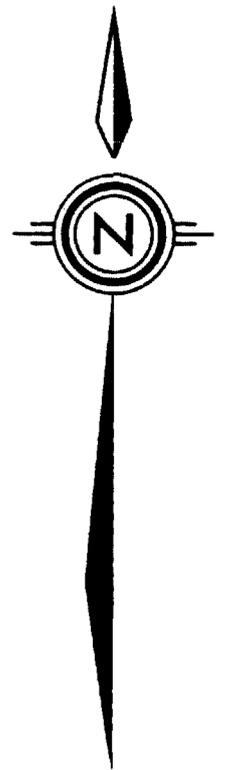
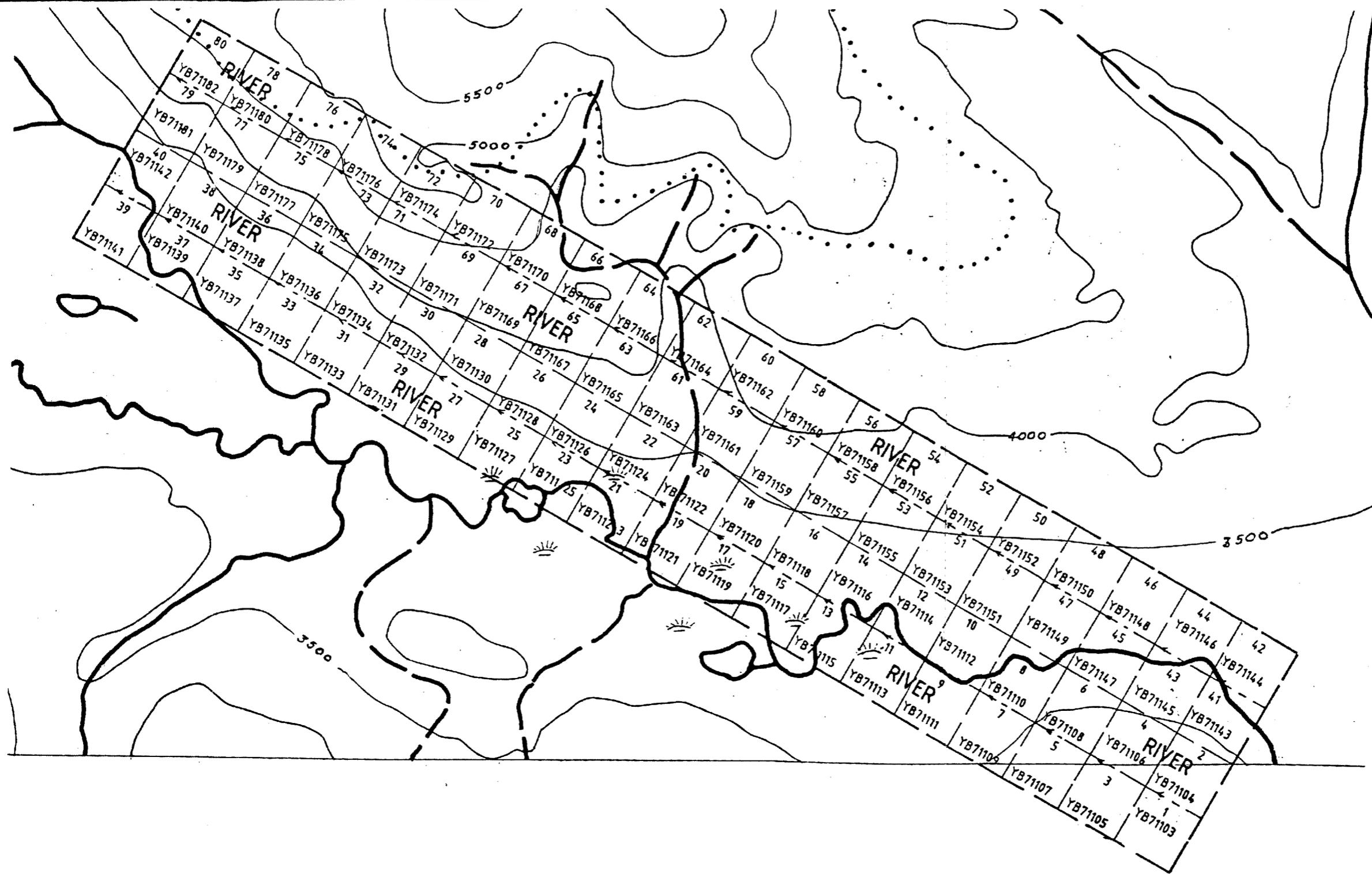
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RIVER PROPERTY
GEOCHEMICAL SAMPLE LOCATIONS

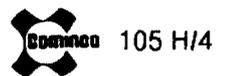
FIGURE 4

#1



093650

#3



Drawn by: DAS		Traced by:	
Revised by	Date	Revised by	Date

RIVER PROPERTY CLAIM MAP

Scale: 1:31,500

Date: MARCH, 1997

Plate: 2