

BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
MINISTRY OF ENERGY AND MINES
GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR: 1995/1996

REPORT #: PAP 95-54

NAME: KAAREN SOBY

DOROTHY PROJECT
RECONNAISSANCE SOIL GEOCHEMICAL
AND
PROSPECTING REPORT
OMINECA MINING DIVISION
BRITISH COLUMBIA

NTS 93-M-1

Latitude 55 degrees 15 minutes north
Longitude 126 degrees 08 minutes west

Annual Work Approval No. PRG-1995-1300424-6807

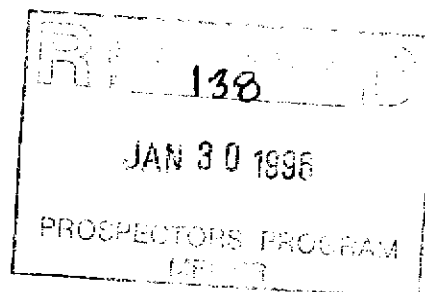
For

Larry Hewitt & Kaaren Soby

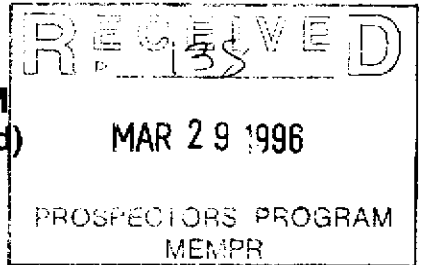
By

Kaaren Soby

January 27, 1996



BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
PROSPECTING REPORT FORM (continued)



B. TECHNICAL REPORT

- One technical report to be completed for each project area.
- Refer to Program Requirements/Regulations, section 15, 16 and 17.
- If work was performed on claims a copy of the applicable assessment report may be submitted in lieu of the supporting data (see section 16) required with this TECHNICAL REPORT.

Name KAAREN SORBY Reference Number 95/96 - P138

LOCATION/COMMODITIES

Project Area (as listed in Part A) Dorothy MINFILE No. if applicable _____

Location of Project Area NTS 93M 1/E-2/E Lat 55° 15' N Long 126° 08' W

Description of Location and Access Balune Region of the Quesnel Mining Division
Nakimilewaks lake, Access by rd, 56 K from Nose Bay + short heli-
copter flight. 1996 - Logging road extends through claim

Main Commodities Searched For Cu, Au

Known Mineral Occurrences in Project Area Dorothy

WORK PERFORMED

1. Conventional Prospecting (area) 800 ha
2. Geological Mapping (hectares/scale) _____
3. Geochemical (type and no. of samples) 70 core, 88 soil, 14 rock
4. Geophysical (type and line km) _____
5. Physical Work (type and amount) _____
6. Drilling (no., holes, size, depth in m, total m) _____
7. Other (specify) _____

SIGNIFICANT RESULTS

Commodities Cu, Au Claim Name SIN-2

Location (show on map) Lat 55° 15' 30" N Long 126° 11' 20" W Elevation 3400'

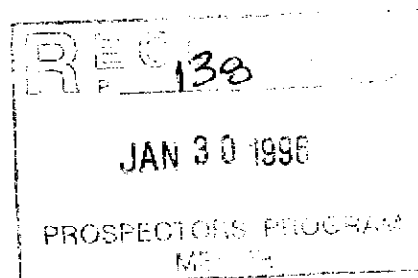
Best assay/sample type _____

Description of mineralization, host rocks, anomalies Elevated Cu, Au fill geo
chemistry occurs on LINE 5500 N 3300-3700 E

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Figure 1: Claim Map
Figure 2: Location Map
Figure 3: Map (showing claims, grid & sample locations)
Appendix: Certificates of Analysis
Photocopies of rock sample slices



GEOLOGY

This area is characterized by low lying gently rolling topography, much of it obscured by glacial drift. It lies within the Intermontane Tectonic Belt bounded by the Omineca Belt to the east and the Coast Crystalline Complex to the west. Most of the property is underlain by an Omineca granodiorite/diorite intrusive and a Babine B.F.P. The B.F.P. 'Dorothy Pluton', a multiphase, dioritic, biotite-feldspar-hornblende porphyry, is an elliptical body paralleling the main NW-SE trend. Phenocrysts of biotite, quartz and feldspar are visible in hand specimens. The hornblende phenocrysts and ground mass of fine feldspar laths have been identified previously in this section.

The copper mineralization is hosted by the potassic zone (mainly hydrothermal biotite), peripheral to this is a large propylitic zone present in the outer rim of the intrusive and in the host volcanics. Outside the potassic zone is a moderately developed Pyrite halo. A lower grade propylitic alteration overprints much of the potassic alteration as partial or complete replacement of the biotite by chlorite. A later phase of the B.F.P. occurs as a set of large brecciated dykes in the potassic zone. Copper mineralization occurs as weak to moderately disseminated chalcopyrite in the potassically altered core of the B.F.P. There occurs occasional moly and rare bornite. Field descriptions of rocks found, include:

- KR-95-01 Coarse textured hornblende feldspar porphyry, dark green/black patches magnetite, Pyrite infilling seams and finely disseminated, minor silicification
- KR-95-02 B.F.P. with minor disseminated pyrite
- KR-95-03 Granodioritic, v.f.g. disseminated pyrite, moderately magnetic
- KR-95-04 Biotite altered hornblende feldspar, diorite porphyry weakly magnetic, 2% pyrite
- KR-95-05 Hornfels with pyrite stringers and disseminated pyrite. Minor gypsum and limonite, dark green patches of ghost porphyritic texture
- KR-95-06 Strongly altered andesitic B.F.P., patches of ghost B.F.P. texture, moderately magnetic, widely scattered altered hornblende phenocrysts, fine scattered pyrite
- KR-95-07 Andesitic, hornfels (?) weakly magnetic with minor carbonate alteration
- KR-95-08 Diorite, biotite altered, strongly magnetic

KR-95-09 Granite

KR-95-10 Cherty tuff with a few widely scattered dark fragments with minor patches of v.f.g. pyrite

KR-95-11 Meta-limestone? - outcrop

KR-95-12 Highly altered green rock, ang. chlorite, minor patches C.P.Y. and some disseminated C.P.Y.

KR-95-13 Carbonate altered granite

KR-95-14 Granite. Coarse textured feldspar phenocrysts, patches of C.P.Y., strongly magnetic patches of sericitization

KR-95-15 Strongly altered vuggy, quartz-carbonate, large quartz fragments. Widely disseminated C.P.Y. weakly magnetic

WORK UNDERTAKEN

Field work was performed during the period of October 22 to November 10th by Kaaren Soby of Telkwa and October 22,23, and October 30 - November 8th by Lawrence Hewitt of Telkwa. Robin Day of Edmonton joined the field work on October 30 through November 8th. Work comprised of six maydays including equipment and supply preparation, travel, camp mob and demob, and thirty-seven maydays soil sampling, core sampling and prospecting. Seventy core samples, 88 soils and 14 rock samples were collected. Core from the Dorothy claims, held by Homestake and Twin Peaks was examined to provide familiarization with rock types and to check assays and the type of alteration. Two soil lines were established to determine the possibility of mineralization adjacent to the Dorothy project.

CLAIM RECORD DATA

<u>Claim Name</u>	<u>No. Units</u>	<u>Record No.</u>	<u>Date</u>
DOT-1	16 units	335722	May/95
DOT-2	01 unit	335723	May/95
DOT-3	01 unit	335724	May/95
SIN-1	20 units	338886	Aug/95
SIN-2	15 units	338887	Aug/95
SIN-3	12 units	338888	Aug/95

CLAIM OWNERSHIP

Hewitt Co. & Associates (50%) and Valley Gold (50%)

ROCK & SOIL GEOCHEMISTRY RESULTS

Sample analysis was performed by Min-En Labs. Observations on these are included in the summary, page 3. Data is attached at back.

CONCLUSIONS

1. There may be additional porphyry Cu mineralization up ice from Line 5500N 3300-3700E.
2. High background gold in the Dorothy porphyry suggests that gold mineralization could occur in zones peripheral to the Dorothy porphyry system. Possible gold exploration targets, to name two, are:
 - A. Peripheral auriferous propylites
 - B. Structurally controlled stock works and/or vein systems.

RECOMMENDATIONS

1. More prospecting on the DOT and Sin claims
2. More reconnaissance till sampling
3. More detailed sampling up ice from L5500W 3300-3700E

REFERENCES

The International Corona Corp. Assessment Report #22143

Figure #1	Mineral titles reference map
Figure #2	Dot & Sin location map
Figure #3	(In pocket) Soil and rock sample location map
Appendix:	Certificates of analysis
	Photos of rock sample slices

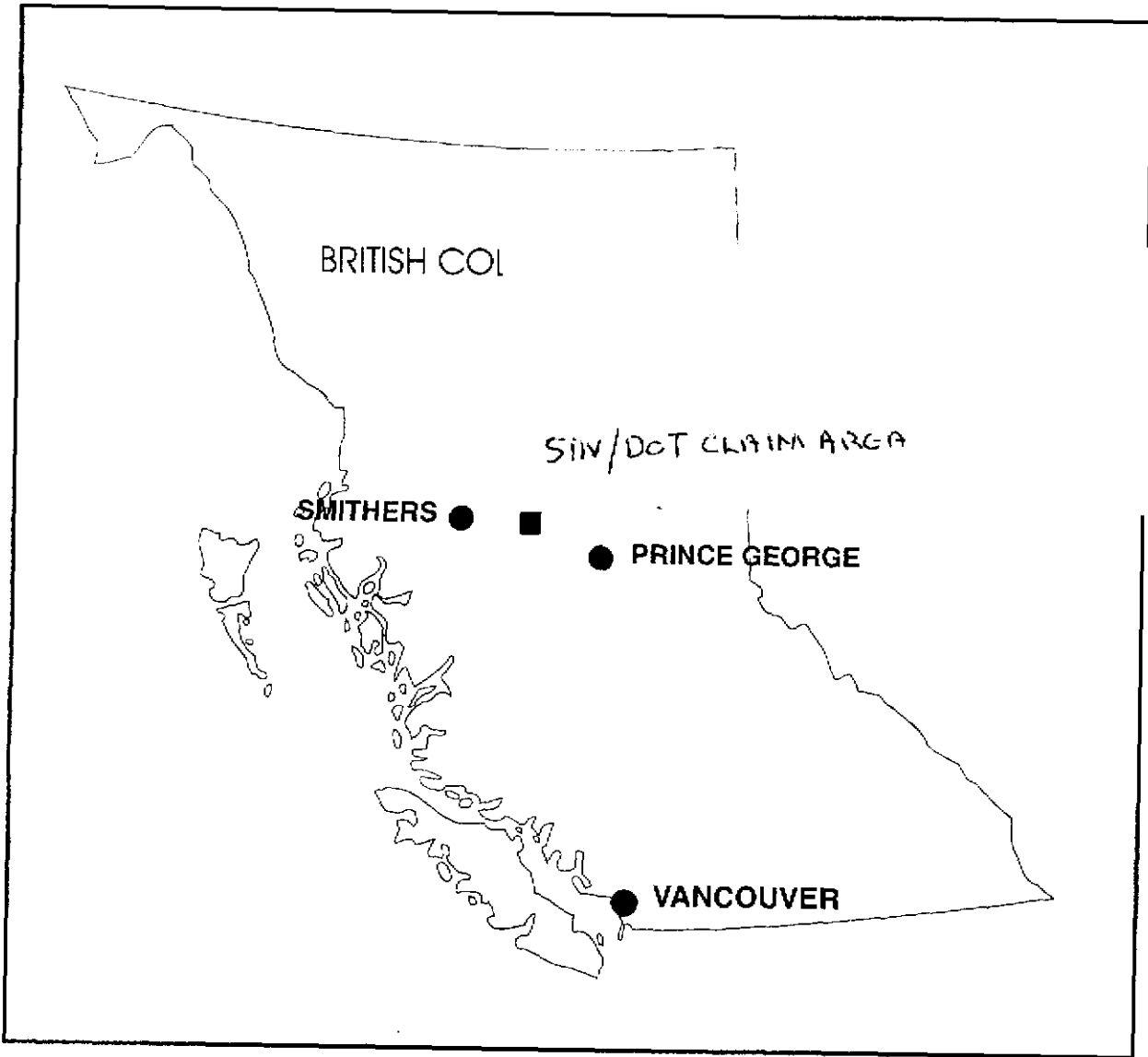


Figure 1. Location of Hautete copper-gold porphyry prospect.

M 93M1E

354345
126°15'00"
55°15'00"

677942

Lake Nilerak
SNAR
SNAKI 340824

LAK 1	LAK 2	LAK 3	LAK 4	LAK 5	LAK 6	LAK 7
341553	341824	341435	341826	341837	341838	341839

DOT 2	DOT 3
335723	335724
DOT 1	DOT 4
335722	335725
DOT 5	DOT 6
335726	335727
DOT 7	DOT 8
335728	335729

MLB 7
NAK 6 341811
NAK 8 341929
SNO 341827

SIN-1
335286

NAK 11
341932

NAK 7 341928
NAK 9 341930

STAR 1
341927

STAR 2
341808

SN 1	SN 2	SN 3	SN 4	SN 5	SN 6	SN 7	SN 8
341820	341821	341822	341823	341824	341825	341826	341827
SN 9	SN 10	SN 11	SN 12	SN 13	SN 14	SN 15	SN 16
341828	341829	341830	341831	341832	341833	341834	341835

STAR 3
341809
B.B. 2

STAR 4
341810

B.B. 1
341551

TET 6
329572

341920
341921

B.B. 3
341553

B.B. 4

TET 7
329571

L.S.
337537

341552

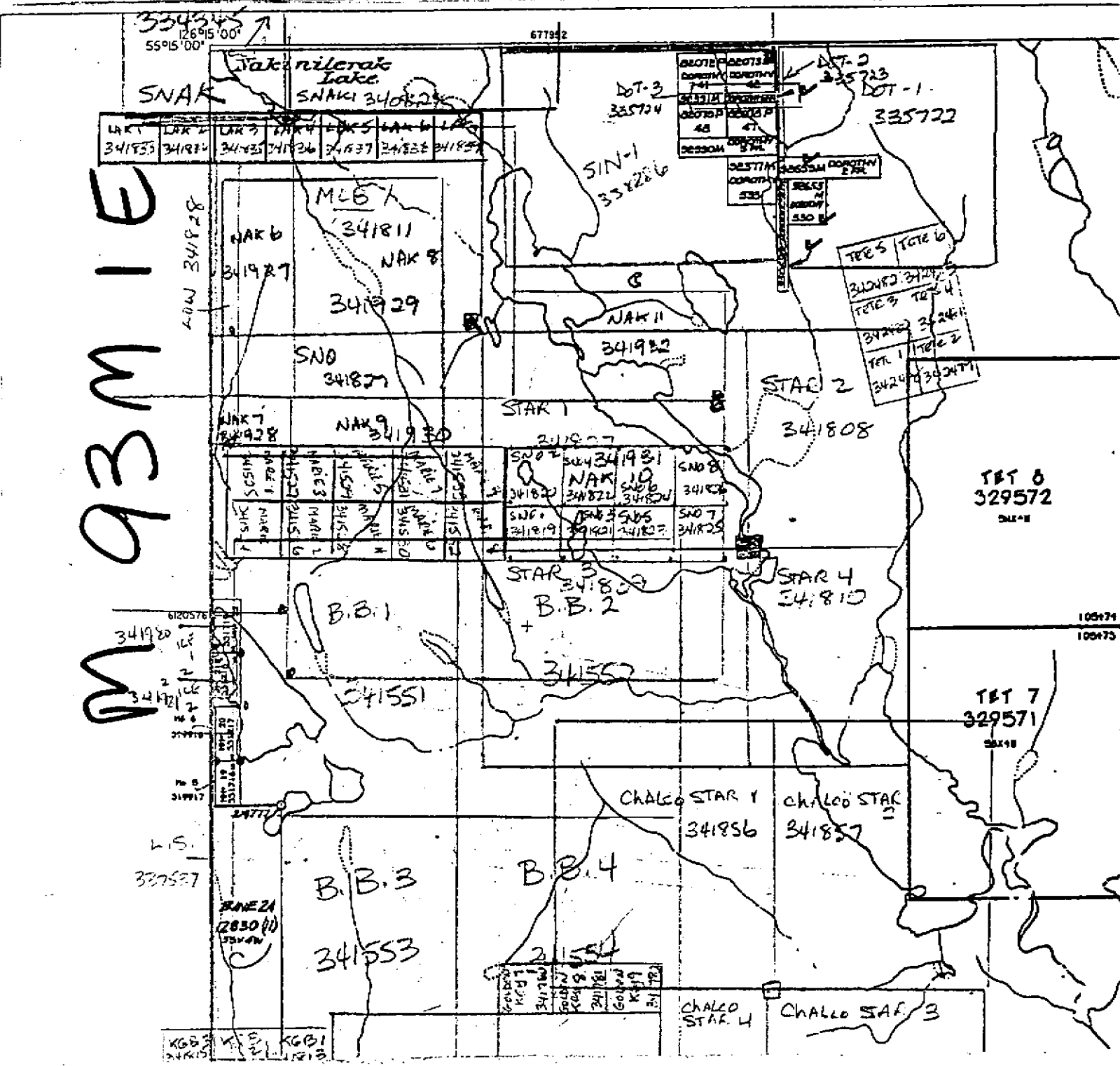
CHALLO STAR 1
341856

CHALLO STAR 2
341857

CHALLO STAR 3
CHALLO STAR 4
CHALLO STAR 5
CHALLO STAR 6
CHALLO STAR 7
CHALLO STAR 8
CHALLO STAR 9
CHALLO STAR 10
CHALLO STAR 11
CHALLO STAR 12
CHALLO STAR 13
CHALLO STAR 14
CHALLO STAR 15
CHALLO STAR 16
CHALLO STAR 17
CHALLO STAR 18
CHALLO STAR 19
CHALLO STAR 20

CHALLO STAR 3

KGB 1	KGB 2	KGB 3
341554	341555	341556





**MINERAL
• ENVIRONMENTS
LABORATORIES**
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
8282 SHERBROOKE STREET
VANCOUVER, B.C. CANADA V5X 4E8
TELEPHONE (604) 327-3436
FAX (604) 327-3423

SMITHERS LAB:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TEL (604) 847-3004
FAX (604) 847-3005

Assay Certificate

5S-0196-RA1

Company: **HEWITT CO & ASSOCIATES**
Project:
Attn: **LARRY HEWITT / KAAREN SOBY**

Date: **NOV-10-95**
Copy 1. Hewitt Co. & Associates, Telkwa, B.C.

We hereby certify the following Assay of 18 CORE samples
submitted NOV-03-95 by L. Hewitt.

Sample Number	Au-fire g/tonne	Au-fire oz/ton
KC-95-41	.03	.001
KC-95-42	.05	.001
KC-95-43	.02	.001
KC-95-44	.02	.001
KC-95-45	.01	.001
KC-95-46	.01	.001
KC-95-47	.01	.001
KC-95-48	.01	.001
KC-95-51	.01	.001
KC-95-56	.01	.001
KC-95-57	.01	.001
KC-95-58	.01	.001
KC-95-59	.01	.001
KC-95-60	.05	.001
KC-95-61	.01	.001
KC-95-62	.01	.001
KC-95-63	.02	.001
KC-95-64	.02	.001

Certified by _____

MIN-EN LABORATORIES

COMP: HEWITT CO & ASSOC

PROJ:

ATTN: LARRY HEWITT

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8

TEL: (604)327-3436 FAX: (604)327-3423

FILE NO: 5S-0202-RJ1+2

DATE: 95/12/15

* rock * (ACT: F31)

Table with columns: SAMPLE NUMBER, AG PPM, AL %, AS PPM, BA PPM, BE PPM, B1 PPM, CA %, CD PPM, CO PPM, CR PPM, CU PPM, FE %, GA PPM, K %, LI %, MG %, MN PPM, MO PPM, NA %, NI PPM, P PPM, PB PPM, SB PPM, SN PPM, SR PPM, TH PPM, TI %, U PPM, V PPM, W PPM, ZN PPM, Au-fire PPB. Rows include samples KC-95-01 through KC-95-66.

COMP: HEWITT CO & ASSOCIATES
 PROJ:
 ATTN: LARRY HEWITT / KAAREN SOBY

MIN-EN LABS — ICP REPORT
 8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
 TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 5S-0196-RJ
 DATE: 95/11/10
 * rock * (ACT:F31)

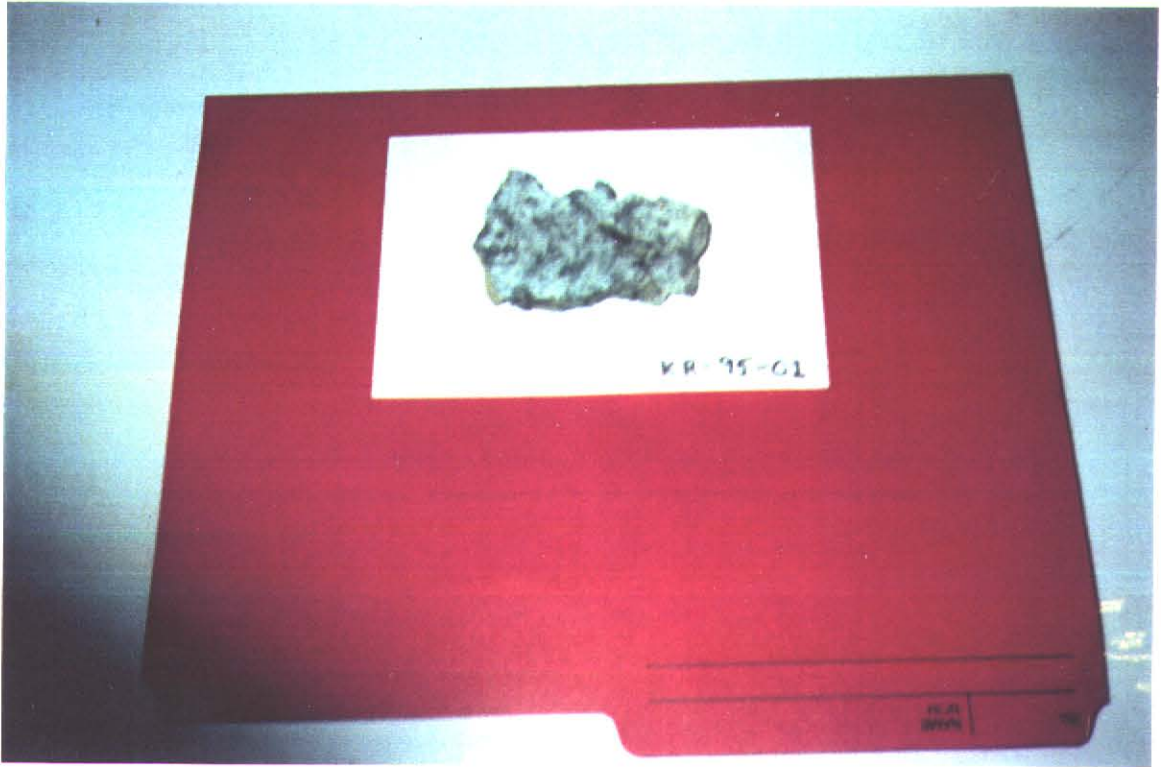
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KC-95-41	2.4	1.76	1	76	1.8	1	1.03	.1	24	63	1718	5.45	1	.89	7	1.94	192	1	.08	19	760	41	1	5	1	1	.17	1	171.1	4	78
KC-95-42	3.8	1.55	1	42	3.2	1	2.90	.1	48	52	2723	10.84	1	.13	9	1.49	898	7	.08	41	900	103	1	7	1	1	.13	1	272.4	4	113
KC-95-43	4.0	1.63	1	127	2.7	13	2.04	.1	37	94	1036	8.58	1	.43	8	1.74	322	1	.15	28	410	73	1	5	1	1	.37	1	582.9	11	81
KC-95-44	2.6	1.18	19	21	3.2	6	1.85	.1	76	38	1262	11.80	1	.03	5	.83	219	15	.06	42	510	114	1	6	1	1	.18	1	234.4	2	86
KC-95-45	3.1	1.18	1	23	2.5	13	2.06	.1	36	93	851	8.30	1	.05	3	.71	223	10	.12	29	940	87	1	2	1	1	.28	1	252.8	7	57
KC-95-46	3.3	1.19	7	64	2.0	12	2.29	.1	36	49	736	6.36	1	.18	3	1.26	344	1	.09	25	380	60	1	2	1	1	.28	1	430.7	8	61
KC-95-47	2.7	.96	54	38	2.2	14	2.15	.1	48	55	471	6.79	1	.07	3	.91	229	26	.11	25	70	66	1	4	1	1	.25	1	397.3	8	47
KC-95-48	1.7	1.28	1	255	1.2	9	1.32	.1	17	109	199	3.30	1	.45	6	1.62	227	34	.08	23	1540	24	1	2	67	1	.14	1	91.9	5	55
KC-95-51	2.8	1.09	1	41	2.1	6	1.61	.1	36	64	1099	6.96	1	.09	3	.82	163	2	.11	30	770	65	1	4	1	1	.25	1	399.0	8	46
KC-95-56	2.1	1.11	27	70	2.7	16	1.39	.1	23	72	206	8.69	1	.42	2	1.13	154	1	.09	31	1500	83	1	4	1	1	.17	1	168.4	4	46
KC-95-57	2.9	1.58	1	118	2.1	16	1.78	.1	38	48	398	6.92	1	.53	3	1.36	310	14	.13	27	600	56	1	3	1	1	.29	1	377.1	7	58
KC-95-58	3.0	1.20	1	29	2.1	20	1.75	.1	29	60	242	7.01	1	.04	2	.58	260	1	.15	22	1320	72	1	2	1	1	.31	1	203.9	5	57
KC-95-59	3.7	2.78	1	237	2.3	23	1.31	.1	25	49	117	6.97	1	1.92	5	2.82	363	1	.11	16	2280	33	1	5	1	1	.40	1	98.1	1	75
KC-95-60	3.4	2.13	1	119	2.9	14	1.88	.1	41	66	664	8.34	1	.84	5	1.99	372	1	.09	19	1750	68	1	3	1	1	.28	1	74.4	3	73
KC-95-61	3.3	1.76	1	201	1.9	20	1.62	.1	24	57	230	6.17	1	.73	4	1.57	308	1	.13	24	730	54	1	3	1	1	.33	1	376.6	8	64
KC-95-62	2.5	2.49	1	123	2.4	15	2.09	.1	51	61	322	6.96	1	.47	5	1.56	278	1	.20	32	630	51	1	4	1	1	.21	1	277.2	6	61
KC-95-63	2.7	1.02	113	37	3.1	14	1.62	.1	91	66	570	10.90	1	.21	4	1.12	196	1	.06	40	1260	111	1	5	1	1	.18	1	157.5	3	49
KC-95-64	2.7	1.38	1	60	2.0	16	2.06	.1	33	60	271	6.56	1	.36	3	1.08	207	1	.15	30	790	64	1	3	1	1	.26	1	212.9	5	41

COMP: Larry Hewitt
 PROJ:
 ATTN:

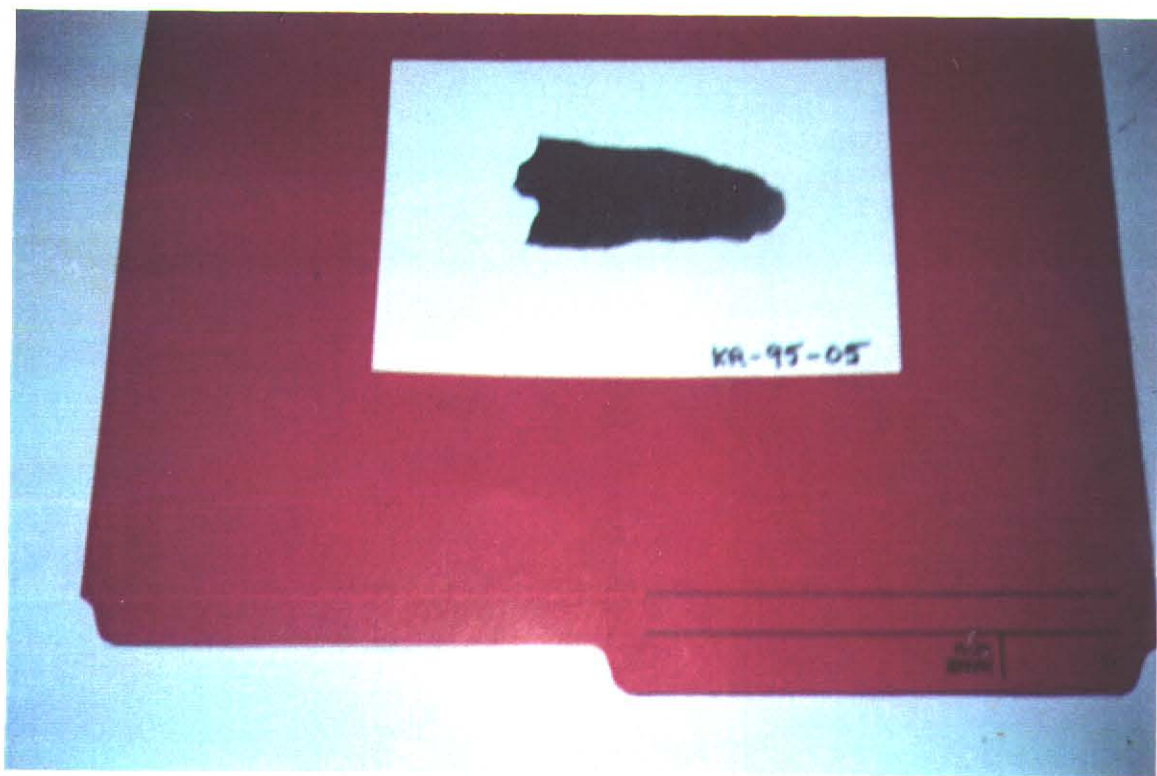
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 8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
 TEL:(604)327-3436 FAX:(604)327-3423

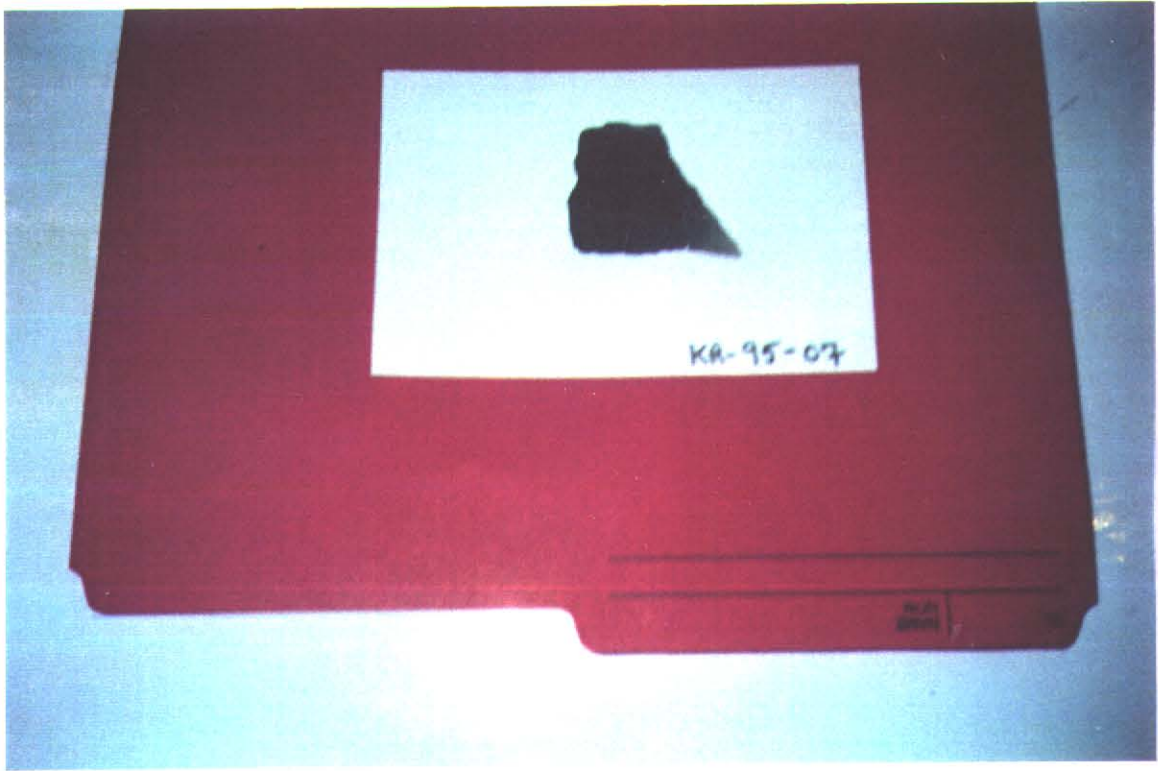
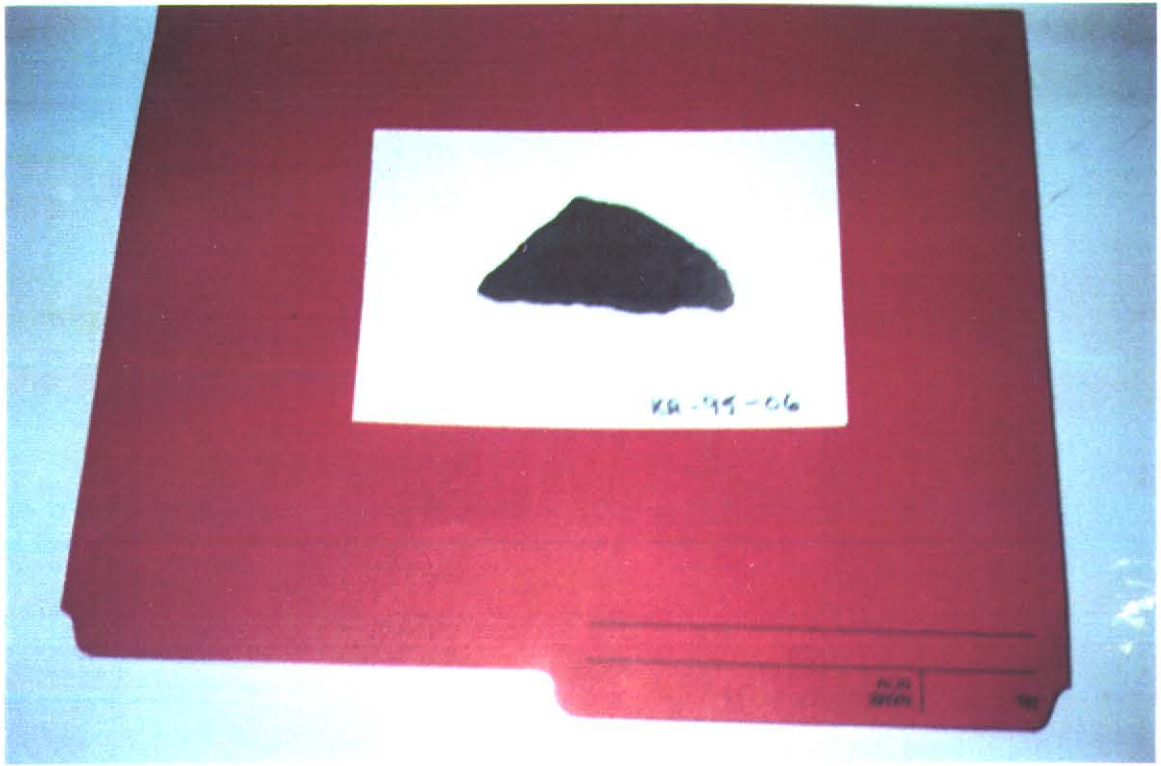
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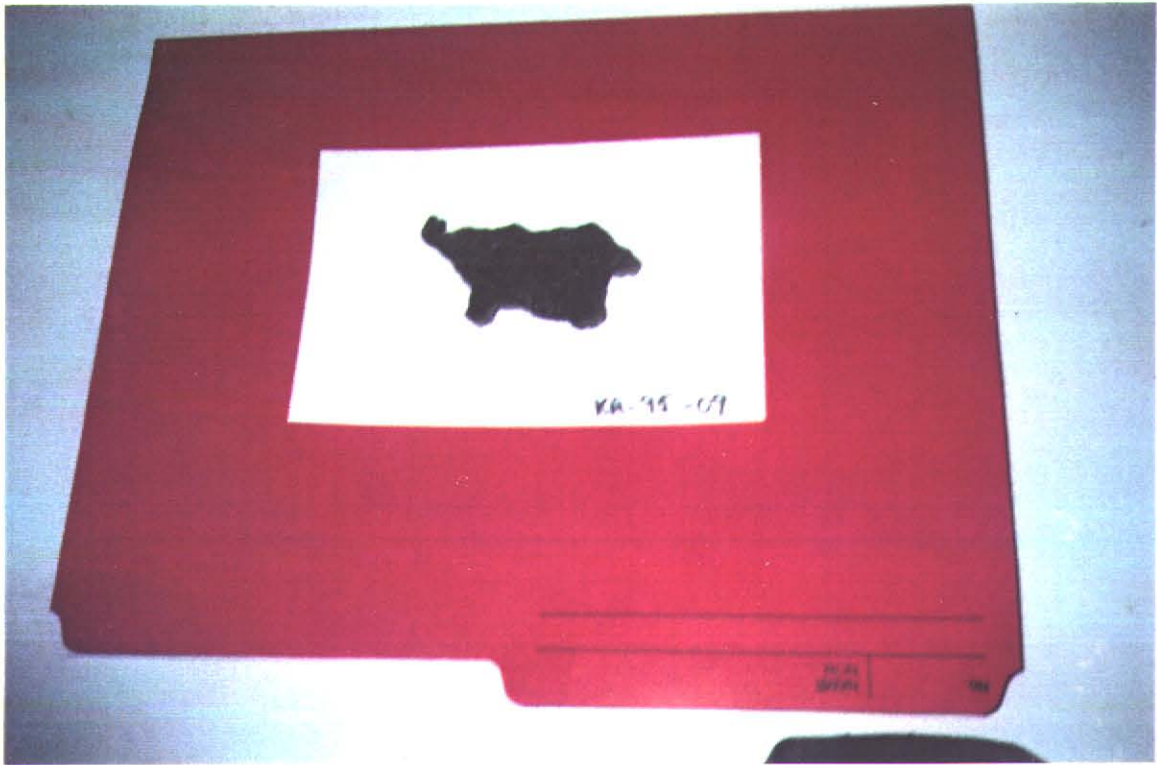
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KR-95-01	.5	1.41	1	76	2.8	11	1.05	.1	12	13	30	3.45	1	.14	21	1.00	587	2	.07	11	1970	27	18	1	11	1	.08	1	59.4	3	91	1
KR-95-02	.6	1.21	42	100	2.8	8	.78	.1	11	47	133	3.39	1	.19	11	1.11	303	2	.06	16	1060	29	15	1	28	1	.03	1	49.3	4	49	17
KR-95-03	.1	.84	19	170	2.3	8	.58	.1	9	61	32	2.52	1	.16	15	.82	515	2	.05	11	990	22	10	1	6	3	.04	1	40.1	4	53	5
KR-95-04	.6	1.91	46	145	3.2	8	.78	.1	19	100	15	3.76	1	.36	17	2.52	357	2	.06	40	1350	28	22	1	31	1	.05	1	90.6	6	49	8
KR-95-05	.8	.87	73	55	3.2	10	.71	.1	11	18	129	4.24	1	.08	8	.60	101	2	.05	12	1970	30	9	1	8	1	.02	1	66.7	2	28	11
KR-95-06	.1	1.52	1	218	2.8	4	2.26	.1	15	55	15	2.92	1	.07	19	1.87	1457	2	.03	36	1380	27	18	1	57	1	.01	1	52.7	4	142	4
KR-95-07	.1	.36	1	51	1.1	3	.32	.1	4	53	6	1.14	1	.06	5	.17	296	2	.05	7	480	10	5	1	9	1	.01	1	7.5	3	35	3
KR-95-08	.1	2.41	1	73	4.8	9	1.52	.1	26	54	43	5.46	1	.03	22	2.88	1117	1	.04	37	830	37	27	1	6	1	.05	1	103.3	4	149	1
KR-95-09	.3	.79	21	41	1.5	3	2.26	.1	6	48	4	1.48	2	.06	20	.86	460	2	.04	17	920	15	10	1	22	1	.01	1	28.8	4	57	4
KR-95-10	.1	2.62	1	66	3.5	10	2.18	.1	20	42	22	4.27	1	.03	29	2.02	760	2	.04	23	460	33	33	1	1	1	.06	1	90.3	4	70	6
KR-95-11	.1	2.49	1	72	3.6	5	15.00	.1	22	118	78	4.10	1	.06	34	2.96	1647	1	.02	47	870	30	29	1	1	1	1.01	1	109.5	7	59	1
KR-95-12	.2	3.04	1	54	4.5	8	2.46	.1	33	136	64	5.30	1	.01	20	4.29	844	1	.02	66	350	27	32	1	7	1	.07	1	138.7	6	88	3
KR-95-13	.1	1.92	1	334	3.3	6	2.40	.1	15	28	21	3.61	1	.12	20	1.95	2011	3	.02	36	1370	39	24	1	96	1	.01	1	48.1	3	299	5
KR-95-14	.8	1.86	1	74	2.2	8	1.98	.1	10	51	36	2.49	1	.15	17	.58	192	3	.22	12	460	25	26	1	112	1	.06	1	140.0	6	56	4

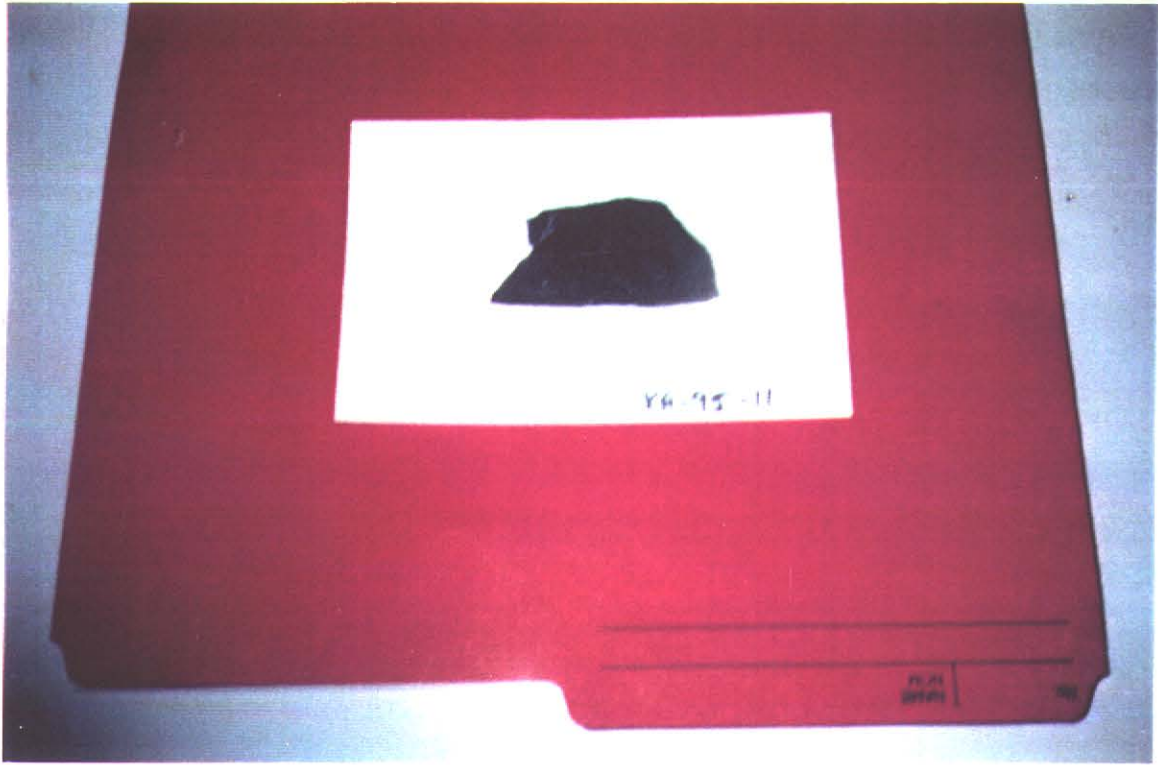


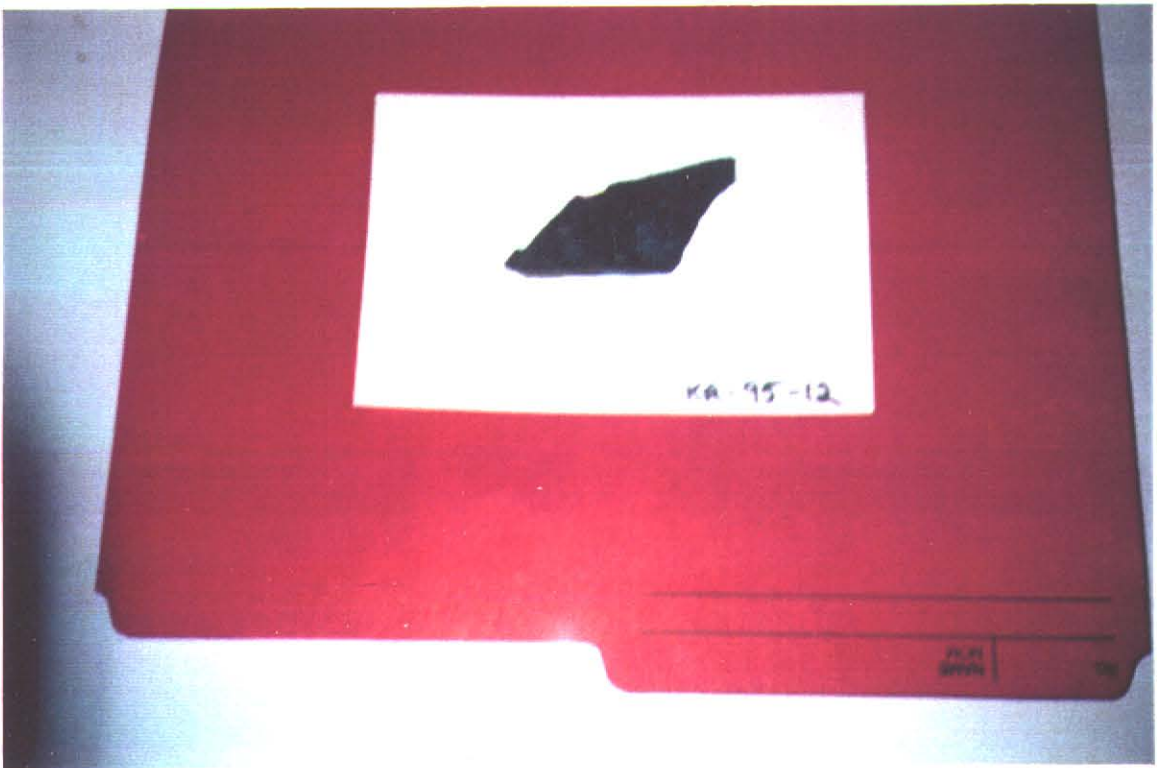


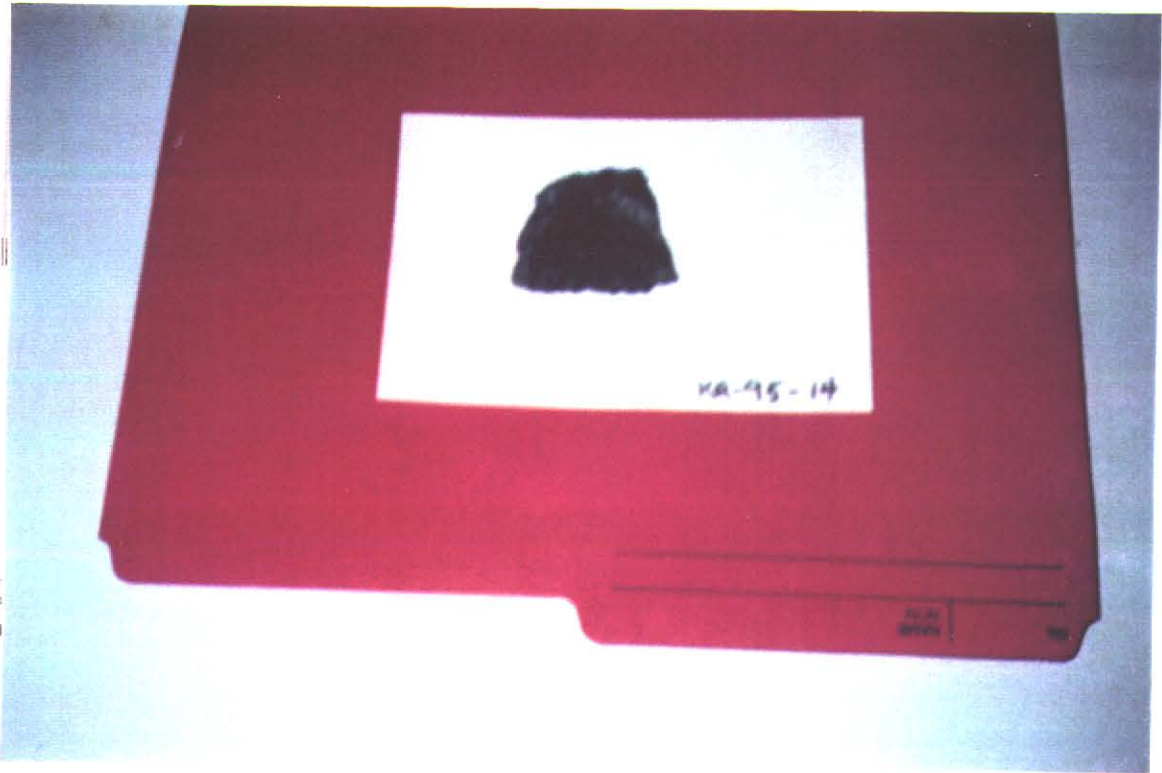


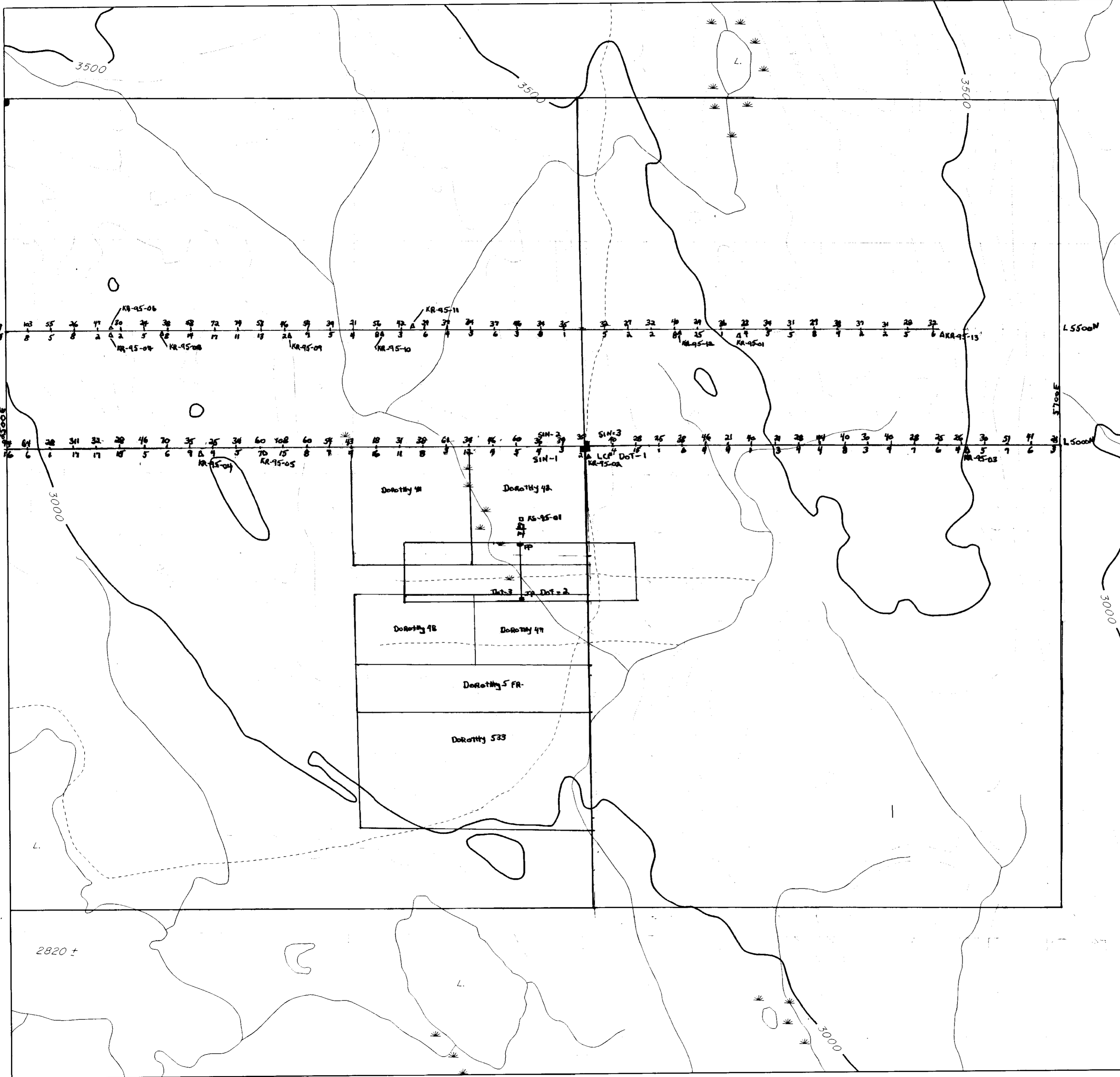






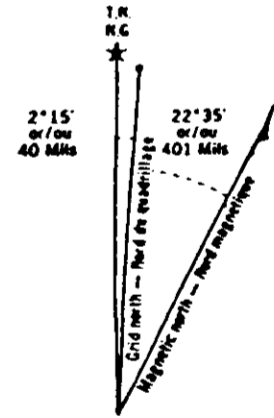






LOCATION
MAP TITLE Soil + Rock Geochemistry
MAP SCALE 1:10 000
NOTES 31 Cu PPM Soil 17 Au PPM Soil O KR-95-01 Rock □ KS-95-01 SILT 27 14

+93 M/8 + 93 M/1



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