

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

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LOG NO: JAN 22	RD.
ACTION:	
FILE NO:	

REPORT ON PROSPECTING AND GEOCHEMICAL

WORK UNDERTAKEN ON

IRENE PROPERTY

IRENE 1, 2 AND 3 MINERAL CLAIMS

NELSON MINING DIVISION, B.C.
NTS 82F/2W

- ASSESSMENT REPORT -

Latitude: 49° 05' N

Longitude: 116° 58' W

OWNER: Cominco Ltd.

Kootenay Exploration
1051 Industrial Road #2
Cranbrook, B.C.
VIC 4K7

Work performed during August 1991.

Report by: M. A. Hawkins

Submitted: January 1992

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

January 1992

22,054

M. A. Hawkins

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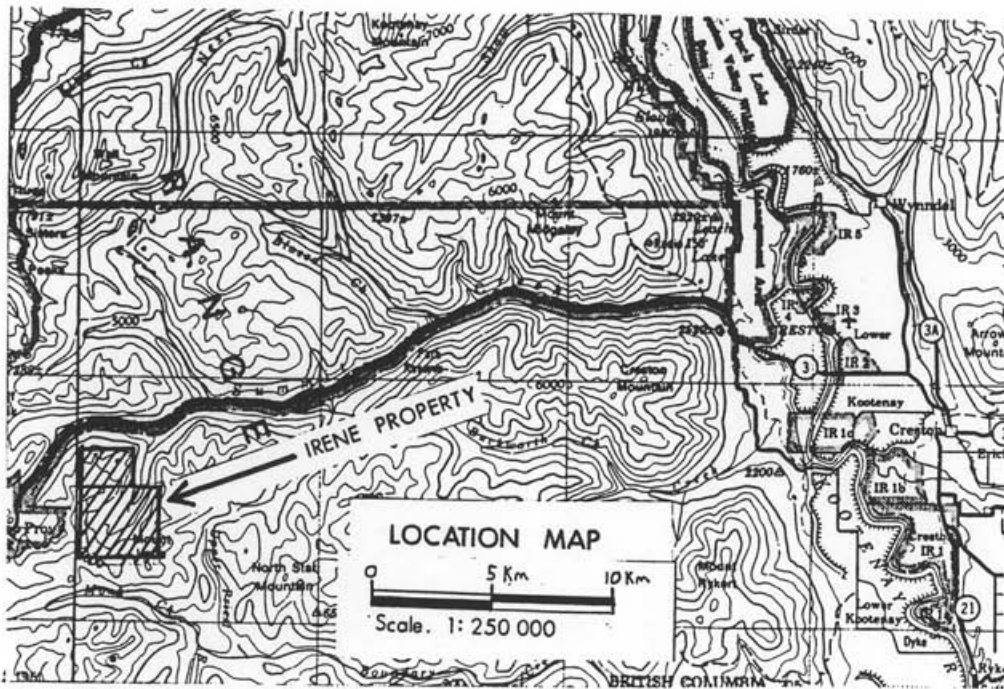
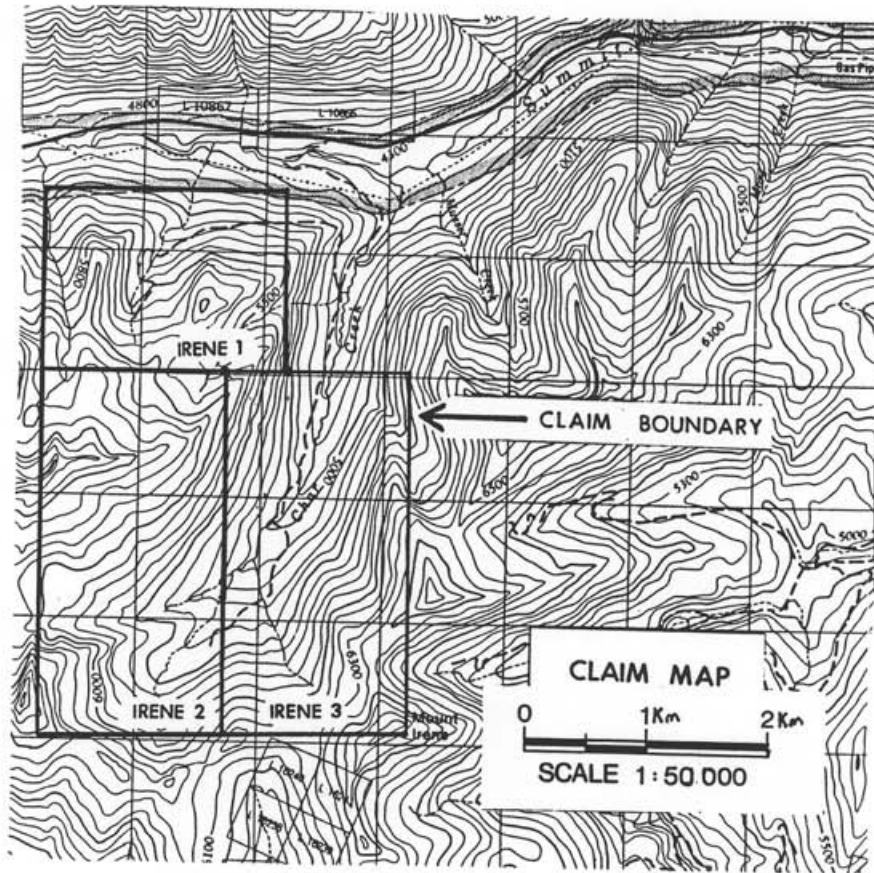
Affidavit
Author's Qualifications
Exhibit A

APPENDICES

Appendix 1 Description of sampling methodology and analytical procedures.
Appendix 2 Soil Sampling results.
Appendix 3 Rock Chip Sampling results.

ENCLOSURES

Fig. 2 Geology Sketch Map
Fig. 3 Soil sample locations 1:5000
Fig. 4 Soil sample results Cu, Pb, Zn 1:5000
Fig. 5 Soil sample results Au, Ag



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

Fig. I

Scale: _____ Date: _____ Plate: _____

COMINCO LTD.EXPLORATIONWESTERN DISTRICT

GEOCHEMICAL REPORT

IRENE CLAIMS

NELSON MINING DISTRICT, B.C.

1. SUMMARY

The Irene Property consists of three claims totalling 48 units. The claims were staked on October 23, 1990 in response to strong gold, basemetal and indicator element results from stream sediment sampling in Char Creek.

Work conducted during the assessment year was designed to follow up the stream sediment anomalies and consisted of a limited program of prospecting, mapping and soil and rock chip sampling.

To date, the program has failed to indicate the presence of a large gold ± basemetal deposit on the Irene claims.

2. INTRODUCTION**2.1 Location, Access**

The Irene claims are located approximately 35 km west-south-west of Creston (Fig. 1) at Latitude 49°05'N and Longitude 116°58'W. Access is via Highway 3 and thence south on the Char Creek logging road. Topographic relief is moderate, large areas have been clearcut.

2.2 TENURE

The claim group consists of three claims:

<u>Name</u>	<u>Record No.</u>	<u>Units</u>	<u>Date Staked</u>
Irene 1	6639	12	23/10/90
Irene 2	6640	18	23/10/90
Irene 3	6641	18	23/10/90

The claims are 100% owned by Cominco Ltd.

2.3 HISTORY

The claims were staked in response to strong gold, basemetal and

indicator element anomalies returned from stream sediment sampling in Char Creek. Cominco Ltd. had not previously explored in this area.

The objective of the work conducted during the assessment year was to source the stream sediment sample anomalies.

3. GEOLOGY

3.1 General

The claims are principally underlain by Irene Formation and Toby Formation of the Windermere Supergroup.

Locally, the Toby Formation consists of polymictic conglomerate with pebbles, cobbles, boulders and matrix of variable composition, and minor grey limestone. The Irene Formation consists of basalt (commonly vesicular and amygdaloidal), agglomerate, chlorite schist (schistose metabasalt), limestone, dolomite and minor conglomerate.

The Irene Formation apparently conformably overlies Toby Formation, and the latter typically has a basaltic matrix near to the contact.

Toward the western boundary of the property, the Irene Formation is conformably overlain by the Monk formation. This consists of a thin (100-200 m thick) basal quartz pebble conglomerate with a quartzitic matrix, and green-grey phyllites.

Except for folded areas, rocks underlying the Irene Claims strike approximately north-south and dip moderately west.

Outcrop is moderate to good on the upper slopes but poor in the valley bottoms.

3.2 Folding

Folding on the property is most readily observed at the contact between Irene Fm. and Toby Fm., where numerous tight parasitic folds plunging shallowly north are recognized. Folds with amplitudes of between one and several hundred metres are recognized.

A steep (sub-vertical) cleavage axial planar to these folds is recognized throughout the property. All folded outcrops suggest anticlinal vergence east.

3.3 Faulting, shearing

No major faults or shear zones were recognized during the property inspection. The contact between Toby and Irene

Formations does however locally exhibit some shearing and perhaps some removal of stratigraphy.

Some minor shearing parallel to the axial plane cleavage is also recognized.

3.4 Mineralization

Minor quartz vein and quartz-carbonate veinlet mineralization was discovered on the property.

Thin (usually less than 20 cm), irregular, and discontinuous quartz veins containing minor pyrite and chalcopryrite are found at several localities, as both float and outcrop. These are commonly malachite stained and contain minor gold values. Examples of this mineralization type were discovered as float in sediment of the anomalous tributaries of Char Creek, and might contribute to the anomalous values in the stream sediment samples.

An irregular, 3-20 cm quartz vein containing abundant sphalerite and galena (and trace chalcopryrite) was also discovered as outcrop in the creek bed, immediately above an anomalous stream sample site. This vein does not however contain elevated gold.

To the west of, and across the divide from, Char Creek a small area of discontinuous quartz-carbonate stringer veinlets containing chalcopryrite and minor gold values was also noted. In this area and elsewhere on the property trace chalcopryrite was noted as an amygdale fill with calcite.

4. GEOCHEMISTRY

4.1 Stream sediment sampling

The Irene claims were staked in response to anomalous stream sediment geochemistry in Char Creek. No further stream sediment sampling was undertaken during the assessment year.

4.2 Soil sampling

Large soil samples were collected from the B soil horizon along both banks of the tributaries which returned anomalous stream sediment results. A description of the sampling methodology and analytical procedures is included as Appendix 1. Sample locations and results are presented as Figures 3 and 4 and Appendix 2.

Some samples returned moderately anomalous copper results and others returned weakly anomalous gold results. These soil sample anomalies have not been sourced to outcropping or float mineralization.

4.3 Rock Chip Geochemistry

Limited rock chip sampling of mineralized float or outcrop was undertaken. The results are presented as Appendix 3.

5. CONCLUSIONS

The stream sediment sample anomalies in upper Char Creek are possibly in part sourced to some of the vein/veinlet mineralization discovered during prospecting and mapping. The mineralized veins and veinlets discovered to date do not have any economic potential. Some of the soil sample anomalies are however not sourced to outcropping or subcropping mineralization and require some limited follow up with more soil sampling.

Report by:

M. A. Hawkins

M. A. Hawkins
Project Geologist

Endorsed by:

D. Anderson

D. Anderson
Senior Geologist

Approved by:

W. J. Wolfe

W. J. Wolfe
Manager, Exploration

Distribution: Kootenay Exploration
Vancouver Exploration
Mining Recorder

EXHIBIT "A"
 STATEMENT OF EXPENDITURES
 GEOCHEMISTRY REPORT - IRENE CLAIMS
 NELSON MINING DIVISION

SALARIES:	D. Vanderkley 6 days @ \$115/day	\$690.00
	R. Tarapaski 6 days @ \$115/day	\$690.00
	G. Joki, sample preparation 3 days @ \$88/day	\$264.00
	D. Vanderkley, drafting 1 day @ \$115/day	\$115.00
TRUCKS:	2 trucks/6 days/\$40/day	\$480.00
ASSAYS:	7 rock samples @ \$5	\$35.00
	130 soil samples @ \$20	\$2600.00
FREIGHT:		\$60.00
FUEL:		\$90.00
ACCOMMODATION & DAILY LIVING		
EXPENSES:	Motel, 5 nights @ \$84	\$420.00
	Food \$20/day for 6 days/3 people	<u>\$360.00</u>
	TOTAL	\$5804.00

IN THE MATTER OF THE
B.C. MINERAL ACT
AND
IN THE MATTER OF A GEOCHEMISTRY PROGRAM
CARRIED OUT ON THE IRENE CLAIMS
in the Nelson Mining Division of
the Province of British Columbia
More Particularly N.T.S. 82F/2W

A F F I D A V I T

I, M. A. Hawkins, of the City of Kimberley, in the Province of British Columbia, make Oath and say:

1. That I am employed as a Geologist by Cominco Ltd. and as such, have a personal knowledge of the facts to which I hereinafter depose:
2. That annexed hereto and marked as Exhibit A to this my affidavit is a true copy of expenditures incurred on a prospecting and geochemical program undertaken on the Irene claims.
3. That the said expenditures were incurred during August 1991.



M. A. Hawkins

COMINCO LTD.EXPLORATIONWESTERN DISTRICTAUTHOR'S QUALIFICATIONS

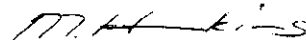
As author of this report, I, M. A. Hawkins, certify that:

I am employed by Cominco Ltd. as a geologist active in mineral exploration.

I have a Bachelor of Applied Science (Geology).

I have been continuously engaged in geology and mineral exploration for 7 years.

I am a member of the Australian Institute of Mining and Metallurgy.



M. A. Hawkins

APPENDIX 1
DESCRIPTION OF SOIL SAMPLING METHODOLOGY
AND ANALYTICAL PROCEDURES

A. SAMPLING METHODOLOGY

Soil samples were collected from the B soil horizon at depths varying from 10 to 50 cm. Sample sites were selected at the top of the creek banks, at intervals of 25 m on the lower reaches and 50 m on the upper reaches where outcrop is better.

Approximately 1-2 kg of soil was collected. This was subsequently oven dried and sieved to the -150 mesh fraction prior to being sent to the laboratory for analysis.

Rock chip samples were grab samples from outcrop or float.

B. ANALYTICAL PROCEDURE

The samples were sent to the Cominco Exploration Research Laboratory, 1486 East Pender Street, Vancouver for multi-element sequential I.C.P. analysis and for gold analysis by fire assay.

For the I.C.P. a 0.5 g sample is digested with 3 ml nitric acid and 1 ml hydrochloric acid. The sample is then heated on a sand bath for 2 hours (shaken every 20 minutes) and then diluted to 20 ml and vortexed. The solution is then analyzed by I.C.P.

For the fire assay for gold, standard procedures are followed. A 50 g sample is analyzed.

APPENDIX 2
SOIL SAMPLE RESULTS

LAB NO	FIELD NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Cd PPM	Co PPM	Ni PPM	Fe %	Au PPB	Ht Au GRAM
S9129593	DV91-826	15	4	20	<.4	<2	<1	4	7	2.48	5	50
S9129594	DV91-827	41	9	32	<.4	6	<1	8	11	3.03	8	50
S9129595	DV91-828	71	8	53	<.4	<2	<1	17	19	3.34	9	50
S9129596	DV91-829	37	12	45	<.4	8	<1	11	11	3.98	6	50
S9129597	DV91-830	60	4	56	<.4	4	<1	15	18	3.13	10	50
S9129598	DV91-831	44	5	39	.4	4	<1	11	12	2.74	12	50
S9129599	DV91-832	81	19	58	<.4	9	<1	16	21	3.33	8	50
S9129600	DV91-833	102	18	64	<.4	8	<1	16	23	3.14	6	50
S9129601	DV91-834	74	19	49	<.4	5	<1	13	17	2.72	11	50
S9129602	DV91-835	99	15	53	<.4	11	<1	16	21	4.02	5	50
S9129603	DV91-836	71	18	57	<.4	<2	<1	17	20	4.01	<2	50
S9129604	DV91-837	66	10	48	<.4	2	<1	12	21	3.66	10	50
S9129605	DV91-838	79	11	47	<.4	2	<1	14	18	3.46	9	50
S9129606	DV91-839	44	13	45	<.4	10	<1	10	14	3.42	<2	50
S9129607	DV91-840	31	9	36	<.4	4	<1	9	13	3.21	8	50
S9129608	DV91-841	70	13	55	<.4	5	<1	16	17	3.19	7	50
S9129609	DV91-842	60	6	44	1.2	8	<1	14	19	3.29	6	50
S9129610	DV91-843	114	19	44	<.4	5	<1	17	19	2.90	8	50
S9129611	DV91-844	82	16	59	<.4	3	<1	13	19	2.68	5	50
S9129612	DV91-845	27	16	40	<.4	5	<1	7	11	3.18	8	50
S9129613	DV91-846	58	22	50	<.4	9	<1	12	14	3.75	7	50
S9129614	DV91-847	100	24	64	1.4	10	<1	18	21	3.88	12	50
S9129615	DV91-848	115	25	83	<.4	5	<1	19	24	3.39	40	50
S9129616	DV91-850	44	20	40	<.4	2	<1	13	16	2.98	8	50
S9129617	DV91-851	25	<4	52	<.4	5	<1	9	9	3.36	6	50
S9129618	DV91-852	59	18	56	<.4	3	<1	13	22	3.88	39	50
S9129619	DV91-853	34	12	36	<.4	12	<1	6	7	3.46	4	50
S9129620	DV91-854	54	11	58	<.4	7	<1	11	15	3.40	7	50
S9129621	DV91-855	17	14	39	<.4	4	<1	7	7	2.72	5	50
S9129622	DV91-856	57	9	41	<.4	8	<1	9	14	3.42	8	50
S9129623	DV91-857	37	13	68	<.4	7	<1	9	13	3.47	<2	50

LAB NO	FIELD NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Co PPM	Co PPM	Ni PPM	Fe %	Au PPB	WT Au GRAM
S9131404	RT91-88	95	7	49	<.4	<2	<1	14	18	3.30	6	50
S9131405	RT91-89	27	<4	20	<.4	5	<1	6	6	2.14	5	50
S9131406	RT91-90	86	<4	36	<.4	5	<1	10	11	3.15	8	50
S9131407	RT91-91	65	<4	42	<.4	3	<1	12	13	2.80	7	50
S9131408	RT91-92	183	9	45	<.4	7	<1	9	10	2.16	5	50
S9131409	RT91-93	205	9	72	<.4	7	<1	12	16	2.25	6	50
S9131410	RT91-94	191	<4	66	.7	10	<1	11	13	2.05	<2	50
S9131411	RT91-95	166	<4	55	<.4	5	<1	16	19	2.81	11	50
S9131412	RT91-96	192	<4	58	<.4	7	<1	13	15	2.28	10	50
S9131413	RT91-97	73	7	36	<.4	16	<1	7	8	1.88	3	50
S9131414	RT91-98	83	<4	24	<.4	5	<1	6	8	1.43	6	50
S9131415	RT91-99	233	<4	41	<.4	10	<1	13	14	2.81	<2	50
S9131416	RT91-100	249	5	64	<.4	3	<1	17	18	2.87	5	50
S9131417	RT91-101	112	<4	51	<.4	7	<1	14	14	2.62	20	50
S9131418	RT91-102	75	5	29	<.4	10	<1	7	7	1.58	5	50
S9131419	RT91-103	78	<4	37	<.4	9	<1	11	11	2.17	5	50
S9131420	RT91-104	122	<4	42	<.4	6	<1	9	12	1.85	<2	50
S9131421	RT91-105	200	<4	40	<.4	13	<1	12	13	2.55	4	50
S9131422	RT91-106	137	<4	9	<.4	17	<1	2	6	.77	6	50
S9131423	RT91-107	99	<4	8	<.4	10	<1	3	5	1.01	5	50
S9131424	RT91-108	181	9	65	<.4	7	<1	14	15	2.81	6	50
S9131425	RT91-109	31	4	49	<.4	<2	<1	8	10	2.83	<2	50

LAB NO	FIELD NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Co ₁ PPM	Co PPM	Ni PPM	Fe %	Au PPS	WT Au GRAM
S9131426	RT91-110	79	16	66	<.4	6	<1	11	14	3.03	<2	50
S9131427	RT91-111	299	37	61	<.4	21	<1	20	19	2.54	15	50
S9131428	RT91-112	86	27	74	<.4	5	<1	12	15	3.03	<2	50
S9131429	RT91-113	105	15	51	<.4	12	<1	13	12	2.47	3	50
S9131430	RT91-114	56	4	52	<.4	4	<1	10	12	2.84	2	50
S9131431	RT91-115	116	10	45	<.4	5	<1	15	19	3.13	4	50
S9131432	RT91-116	95	12	55	<.4	<2	<1	15	16	2.86	13	50
S9131433	RT91-117	35	10	42	<.4	4	<1	8	8	2.72	3	50
S9131434	RT91-118	89	16	49	<.4	6	<1	14	16	2.53	4	50
S9131435	RT91-119	22	<4	31	.4	9	<1	4	6	2.34	4	50
S9131436	RT91-120	87	23	58	<.4	2	<1	13	19	3.30	<2	50
S9131437	RT91-121	38	4	36	<.4	4	<1	8	9	2.28	<2	50
S9131438	RT91-122	41	<4	42	<.4	7	<1	11	14	3.60	<2	50
S9131439	RT91-123	26	5	35	<.4	7	<1	5	8	2.91	<2	50
S9131440	RT91-124	53	<4	43	<.4	5	<1	9	13	2.92	<2	50
S9131441	RT91-125	52	<4	39	<.4	2	<1	8	12	2.74	<2	50
S9131442	RT91-126	71	13	46	<.4	3	<1	12	16	3.17	<2	50
S9131443	RT91-127	43	<4	33	<.4	4	<1	7	11	2.70	<2	50
S9131444	RT91-128	23	<4	15	<.4	10	<1	5	5	1.79	<2	50
S9131445	RT91-129	41	7	34	<.4	2	<1	10	10	2.48	<2	50
S9131446	RT91-130	22	<4	25	<.4	4	<1	5	6	2.22	<2	50
S9131447	RT91-131	45	4	38	1.0	<2	<1	8	15	3.22	2	50
S9131448	RT91-132	42	8	43	<.4	6	<1	10	17	3.31	<2	50
S9131449	RT91-133	25	5	33	<.4	3	<1	8	16	2.88	<2	50
S9131450	RT91-134	69	<4	59	<.4	5	<1	16	23	3.68	<2	50
S9131451	RT91-135	54	5	44	<.4	3	<1	13	16	3.25	<2	50
S9131452	RT91-136	52	9	40	<.4	4	<1	10	18	3.21	<2	50
S9131453	RT91-137	46	7	47	<.4	4	<1	9	14	3.15	<2	50
S9131454	RT91-138	23	10	36	<.4	<2	<1	6	9	2.76	<2	50
S9131455	RT91-139	37	8	40	<.4	<2	<1	10	12	2.95	1	50
S9131456	RT91-140	31	10	37	<.4	7	<1	9	9	2.56	<2	50
S9131457	RT91-141	43	13	49	.4	7	<1	12	15	3.34	4	50
S9131458	RT91-142	38	14	49	<.4	10	<1	10	13	3.76	<2	50
S9131459	RT91-143	61	18	43	<.4	5	<1	14	20	4.54	3	50
S9131460	RT91-144	95	17	54	<.4	2	<1	17	20	3.60	<2	50
S9131461	RT91-145	86	14	61	<.4	14	<1	16	22	3.79	<2	50
S9131462	RT91-146	51	14	76	<.4	<2	<1	13	14	3.14	<2	50
S9131463	RT91-147	47	11	54	<.4	7	<1	12	16	2.97	<2	50
S9131464	RT91-148	44	11	39	<.4	5	<1	7	10	2.73	<2	50
S9131465	RT91-149	32	13	50	<.4	4	<1	8	10	2.28	<2	50
S9131466	RT91-150	43	8	60	<.4	2	<1	12	13	3.03	6	50
S9131467	RT91-151	30	9	51	<.4	8	<1	11	14	3.64	<2	50
S9131468	RT91-152	53	<4	30	<.4	5	<1	8	13	3.51	<2	50
S9131469	RT91-153	46	7	37	<.4	6	<1	9	16	3.05	<2	50
S9131470	RT91-154	47	7	42	<.4	4	<1	13	17	3.16	3	50
S9131471	RT91-155	19	<4	19	<.4	2	<1	3	4	2.67	<2	50
S9131472	RT91-156	21	<4	17	<.4	6	<1	4	5	3.10	<2	50
S9131473	RT91-157	38	10	25	<.4	<2	<1	10	10	2.96	2	50
S9131474	RT91-158	85	<4	22	<.4	6	<1	11	13	2.64	6	50
S9131475	RT91-159	36	4	28	<.4	5	<1	9	9	2.46	2	50
S9131476	RT91-160	34	10	36	<.4	2	<1	8	11	3.39	2	50
S9131477	RT91-161	63	10	39	<.4	<2	<1	11	16	3.51	<2	50
S9131478	RT91-171	95	12	38	<.4	6	<1	14	15	2.61	<2	50
S9131479	RT91-172	30	10	38	<.4	<2	<1	8	11	3.12	<2	50

LAB NO	FIELD NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Cd, PPM	Co PPM	Ni PPM	Fe %	AU PPB	WT AU GRAM
S9131480	RT91-173	53	10	42	<.4	7	<1	10	14	3.28	<2	50
S9131481	RT91-177	70	<4	58	<.4	10	<1	11	13	3.27	4	50
S9131482	RT91-184	58	6	43	<.4	2	<1	11	17	3.33	<2	50
S9131483	RT91-186	66	<4	31	<.4	4	<1	10	13	4.11	3	50

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
 IF REQUESTED ANALYSES ARE NOT SHOWN /RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

Cu 20% HNO3 DECOMPOSITION / I.C.P. ANALYSIS
 Pb 20% HNO3 DECOMPOSITION / I.C.P. ANALYSIS
 Zn 20% HNO3 DECOMPOSITION / I.C.P. ANALYSIS
 Ag 20% HNO3 DECOMPOSITION / I.C.P. ANALYSIS
 As 20% HNO3 DECOMPOSITION / I.C.P. ANALYSIS
 Cd 20% HNO3 DECOMPOSITION / I.C.P. ANALYSIS
 Co 20% HNO3 DECOMPOSITION / I.C.P. ANALYSIS
 Ni 20% HNO3 DECOMPOSITION / I.C.P. ANALYSIS
 Fe 20% HNO3 DECOMPOSITION / I.C.P. ANALYSIS
 Au AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS
 Wt Au THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEM)

HHC RECE-ND

JDB V 91-05948
REPORT DATE 19 NOV 1991

LAB NO	FIELD NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Cd PPM	Co PPM	Ni PPM	Fe %	Au PPB	WT Au GRAM
S9133861	RT91-162	42	9	32	6.4	10	<1	7	8	2.98	7	50
S9133862	RT91-163	84	9	45	.7	6	<1	12	13	3.22	62	50
S9133863	RT91-164	99	6	54	6.4	11	<1	13	17	2.94	62	50
S9133864	RT91-165	52	11	40	6.4	5	<1	10	12	4.06	62	50
S9133865	RT91-166	74	7	36	6.4	6	<1	9	11	3.43	7	50
S9133866	RT91-167	142	11	42	6.4	2	<1	20	20	3.40	62	50
S9133867	RT91-168	50	7	30	6.4	4	<1	8	12	3.56	5	50
S9133868	RT91-169	102	10	45	6.4	4	<1	18	19	3.75	62	50
S9133869	RT91-170	57	17	41	6.4	2	<1	13	14	3.16	16	50
S9133870	RT91-174	46	7	47	6.4	62	<1	12	13	3.26	31	50
S9133871	RT91-175	49	6	45	6.4	6	<1	10	12	2.95	5	50
S9133872	RT91-176	21	64	30	6.4	62	<1	6	4	2.85	62	50
S9133873	RT91-178	53	23	91	6.4	13	<1	17	18	4.49	62	50
S9133874	RT91-179	85	13	55	6.4	3	<1	17	19	3.63	6	50
S9133875	RT91-180	65	17	47	6.4	8	<1	13	16	3.51	3	50
S9133876	RT91-181	131	8	32	6.4	5	<1	16	20	3.89	4	50
S9133877	RT91-182	34	64	26	6.4	6	<1	6	8	3.30	5	50
S9133878	RT91-183	68	64	53	.6	12	<1	14	17	2.72	62	50
S9133879	RT91-185	22	64	34	6.4	5	<1	5	6	2.56	62	50

APPENDIX 3
ROCK CHIP SAMPLE RESULTS

HDC RECCE-WD

ROCK SAMPLES

JOB: V 91-0372R

REPORT DATE 15 AUG 1991

LAB NO	FIELD NUMBER	AU PPB	WT AU GRAM
R9107687	MH91-57	<10	5
R9107688	MH91-58	236	5
R9107689	MH91-59	<10	5
R9107690	MH91-60	<10	5
R9107691	MH91-61	144	5
R9107692	MH91-62	<10	5
R9107693	MH91-63	<10	5

I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
IF REQUESTED ANALYSES ARE NOT SHOWN /RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

AU AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS
WT AU THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEM)

HDC RECCE-WD

ROCK SAMPLES

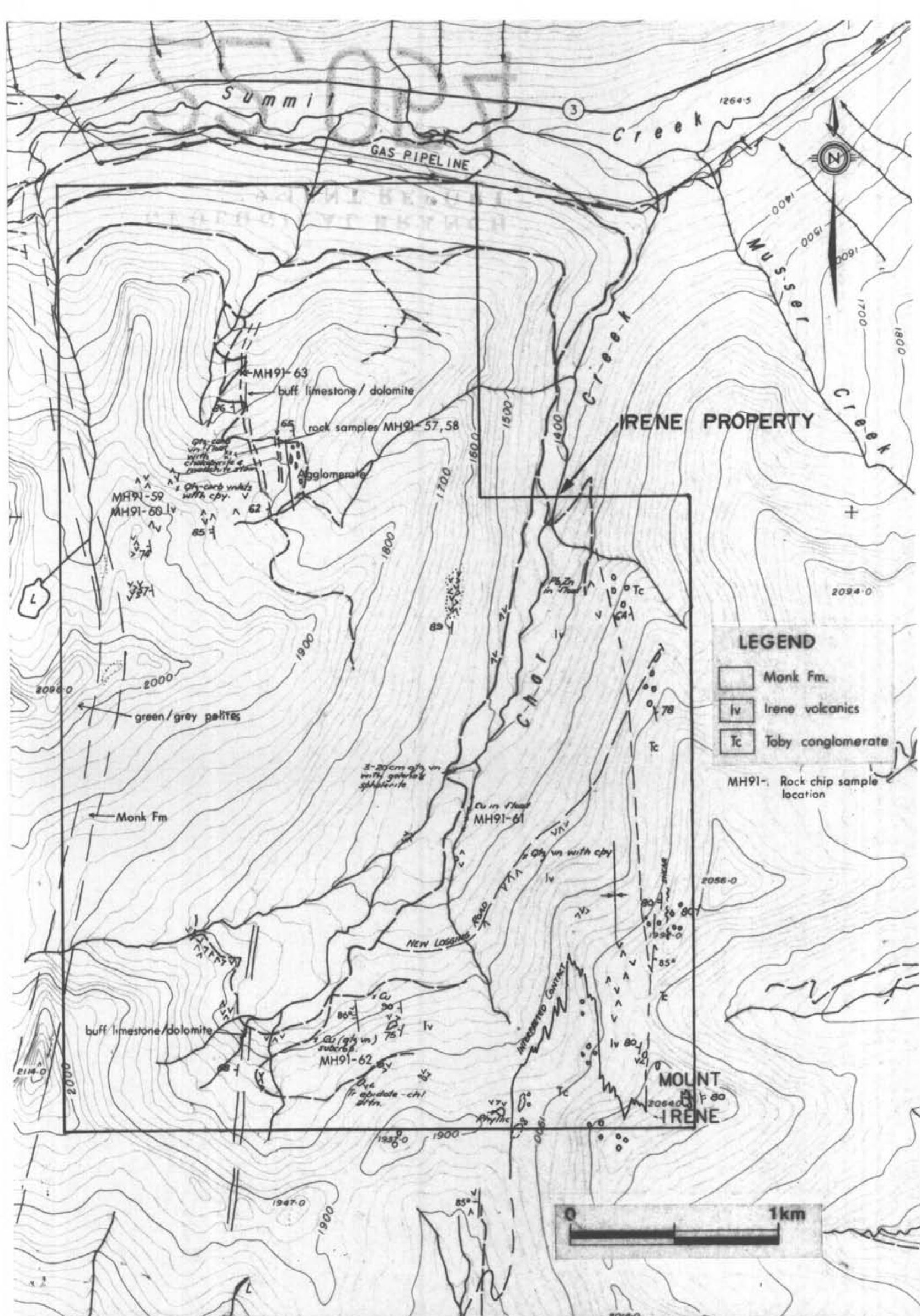
JOB. V 91-0372R
 REPORT DATE 15 AUG 1991

LAB NO	FIELD NUMBER	Cu	Pb	Zn	Ag	As	Ba	Ca	Co	Ni	Fe	Mn	Mo	Bz	Se	V	Hg	Mg	Ti	AL	Ca	Na	K
		PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	Z	PPH	PPH	PPH	PPH	PPH	Z	Z	Z	Z	Z	Z	Z
9107687	NH91-57	211	(4	110	1.4	3	49	(1	58	76	10.65	(2	75	(5	14	179	.406	3.59	.06	3.80	.50	(.01	.22
9107688	NH91-58	2126	(4	69	1.1	14	6	(1	87	47	6.28	(2	90	(5	(4	116	.373	3.02	.05	2.07	.20	.01	.03
9107689	NH91-59	2779	(4	62	1.4	(2	9	1	57	27	2.61	(2	138	(5	(4	48	.431	1.77	.01	1.00	.32	.02	.04
9107690	NH91-60	1002	(4	14	1.4	(2	(5	(1	11	8	.64	(2	156	(5	(4	9	.104	.36	(.01	.15	.03	(.01	.01
9107691	NH91-61	2576	(4	26	11.7	27	8	(1	17	38	3.03	(2	149	(5	(4	5	.39	.08	(.01	.05	.01	(.01	.02
9107692	NH91-62	1849	(4	57	1.4	(2	10	2	17	26	2.49	(2	125	(5	(4	49	.533	1.88	.02	.90	1.74	(.01	.04
9107693	NH91-63	30	(4	36	1.4	11	21	(1	14	18	4.27	(2	39	(5	(4	20	.938	3.36	(.01	.29	11.65	.01	.16

*INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=BEING CHECKED R=REVISED
 F REQUESTED ANALYSES ARE NOT SHOWN RESULTS ARE TO FOLLOW

ANALYTICAL METHODS

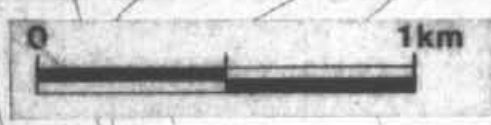
ICP PACKAGE :0.5 GRAM SAMPLE DIGESTED IN HOT REVERSE AQUA REGIA (SOIL/SILT) OR HOT AQUA REGIA(ROCKS).



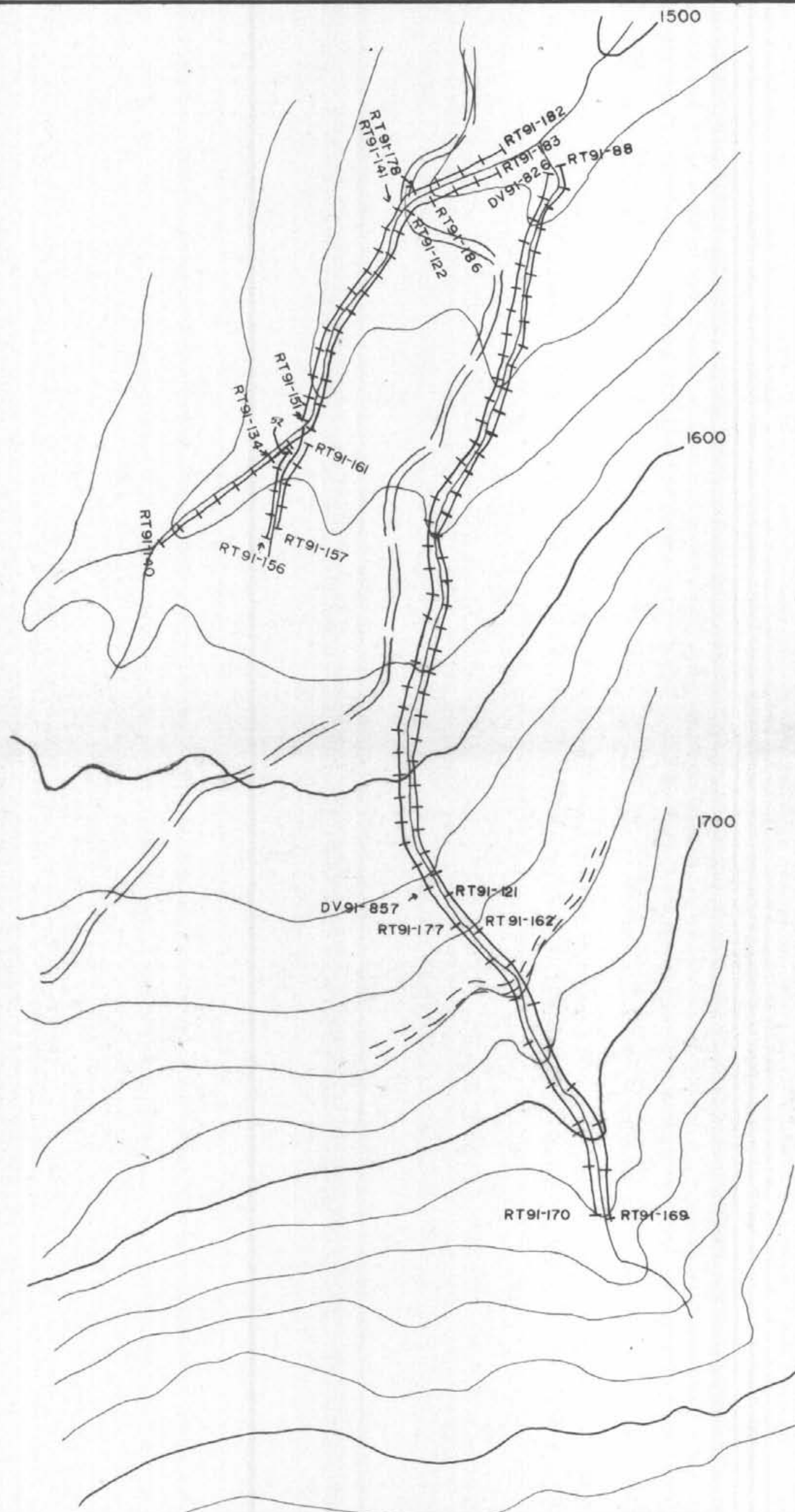
LEGEND

- Monk Fm.
- iv Irene volcanics
- Tc Toby conglomerate

MH91-: Rock chip sample location



Drawn by:		Traced by:	
Revised by:	Date:	Revised by:	Date:
IRENE CLAIMS		GEOLOGICAL SKETCH MAP	
Scale: 1:20000		Date: August 1991	Plate: 2



SAMPLE LOCATIONS



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

22,054

HDC FOLLOW-UP 1991



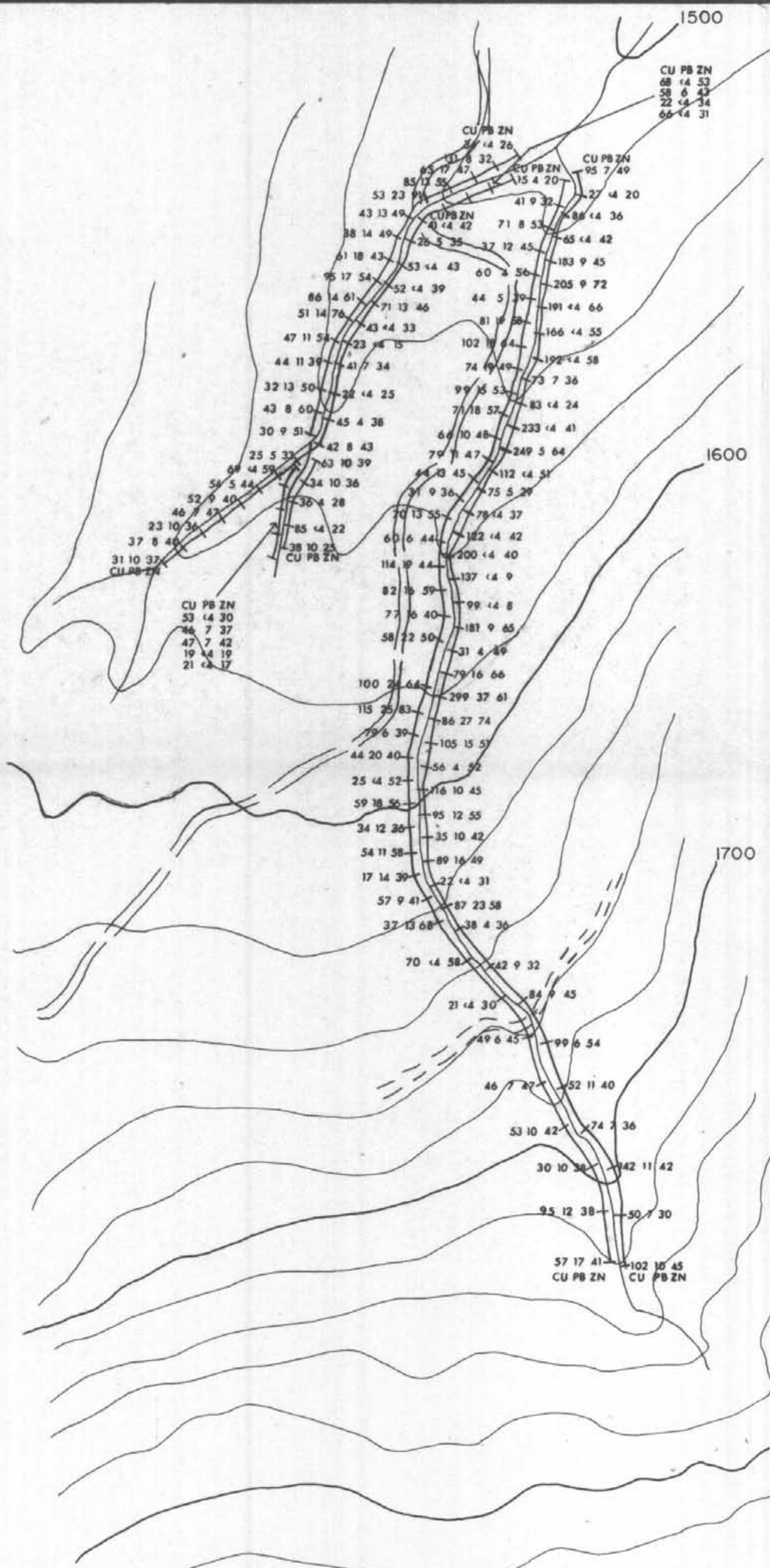
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Revised by	Date	Revised by	Date

IRENE CLAIM (UPPER CHAR CK)
SOIL SAMPLES

Scale: 1: 5000

Date: 24 AUG 91

Plate: 3



CU PB ZN (PPM)



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

22,054

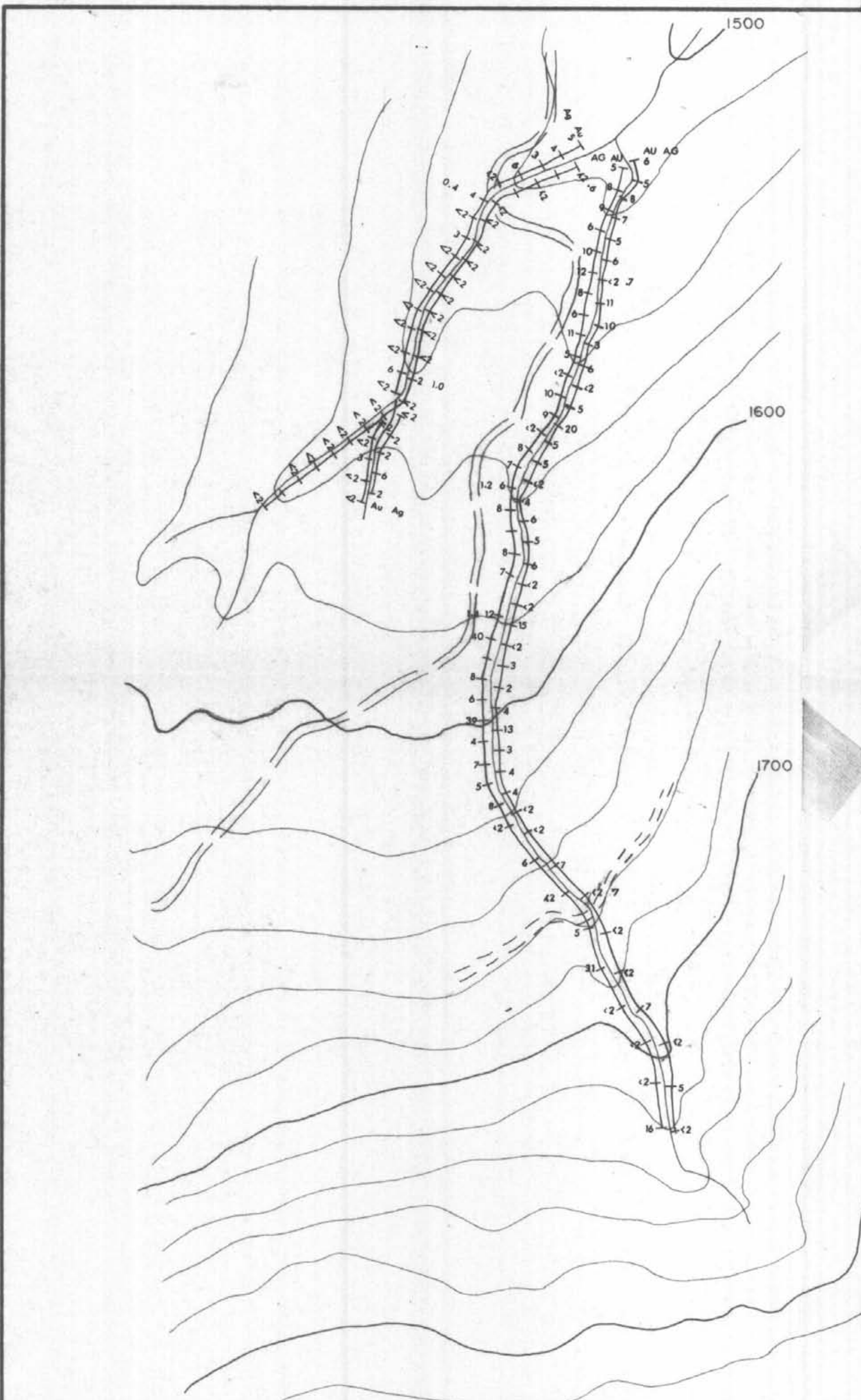
HDC FOLLOW-UP 1991



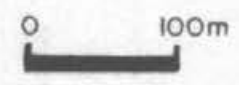
Drawn by: DGV		Traced by:	
Revised by	Date	Revised by	Date

**IRENE CLAIM (UPPER CHAR CK)
SOIL SAMPLES**

Scale: 1:5000 Date: 24 AUG 91 Plate: 7



AU(PPB) AG(PPM)



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

22,054

HDC FOLLOW-UP 1991



Drawn by: DGV		Traced by:	
Revised by	Date	Revised by	Date

IRENE CLAIM (UPPER CHAR CK)
SOIL SAMPLES

Scale: 1:5000

Date: 24 AUG 91

Plate: 5