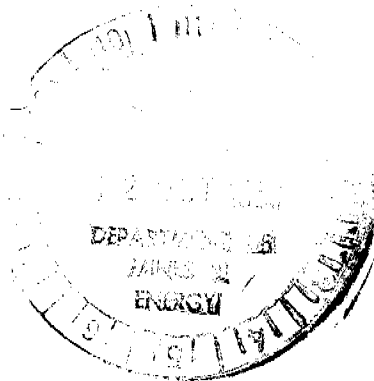


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RELINQUISHMENT REPORT FOR EL2044

28/10/88 to 29/10/89

for
Walker, Hendry, Bartholemew, Walker
and Driffield Mining Pty Ltd

by
Susan H. Hickey
BSc (Hons)

EUPENE EXPLORATION ENTERPRISES PTY LTD

SD52-5 MOUNT EVELYN
5370 Ranford Hill
SD53-9 KATHERINE
5369 Katherine

Darwin, NT
September, 1988

CR89/643 'A'

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INTRODUCTION

Exploration Licence 2044 lies in an area known historically as the "Driffield Mining Area". It lies approximately 9km north of Edith Falls with Emerald Creek Mine in the north, Stow Creek Falls in the south and "Driffield Mining Area" in the central portion of the licence area (Figure 1).

During the 1988/89 field season Eupene Exploration Enterprises Pty Ltd undertook a regional stream sediment and rock chip sampling programme and grid-line soil and rock chip sampling programme over the licence.

The results to date have assisted in identifying the central portion of the licence as being prospective for gold mineralisation. To this end, the northern and southeast portions of the licence have been dropped in the second year of tenure.

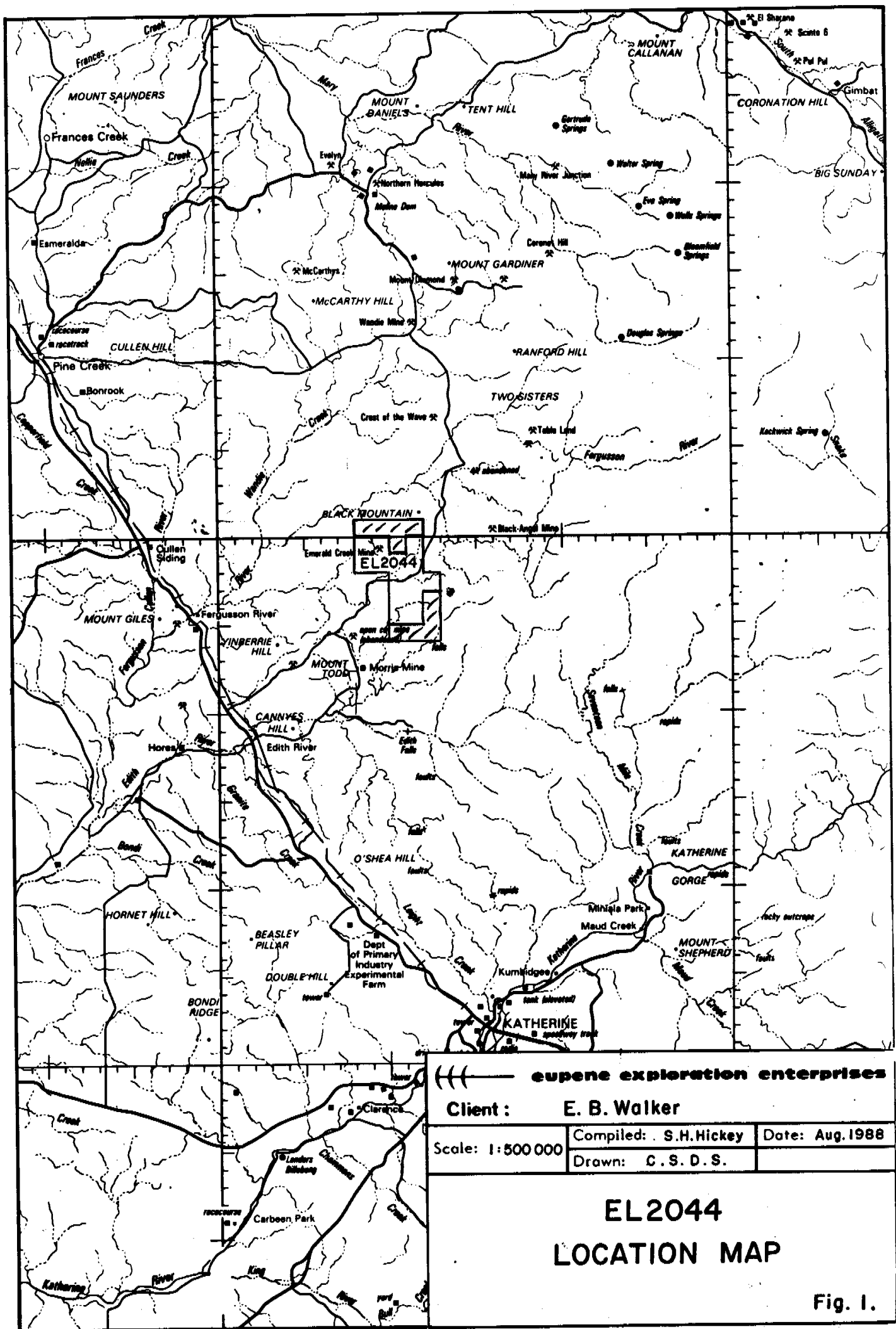


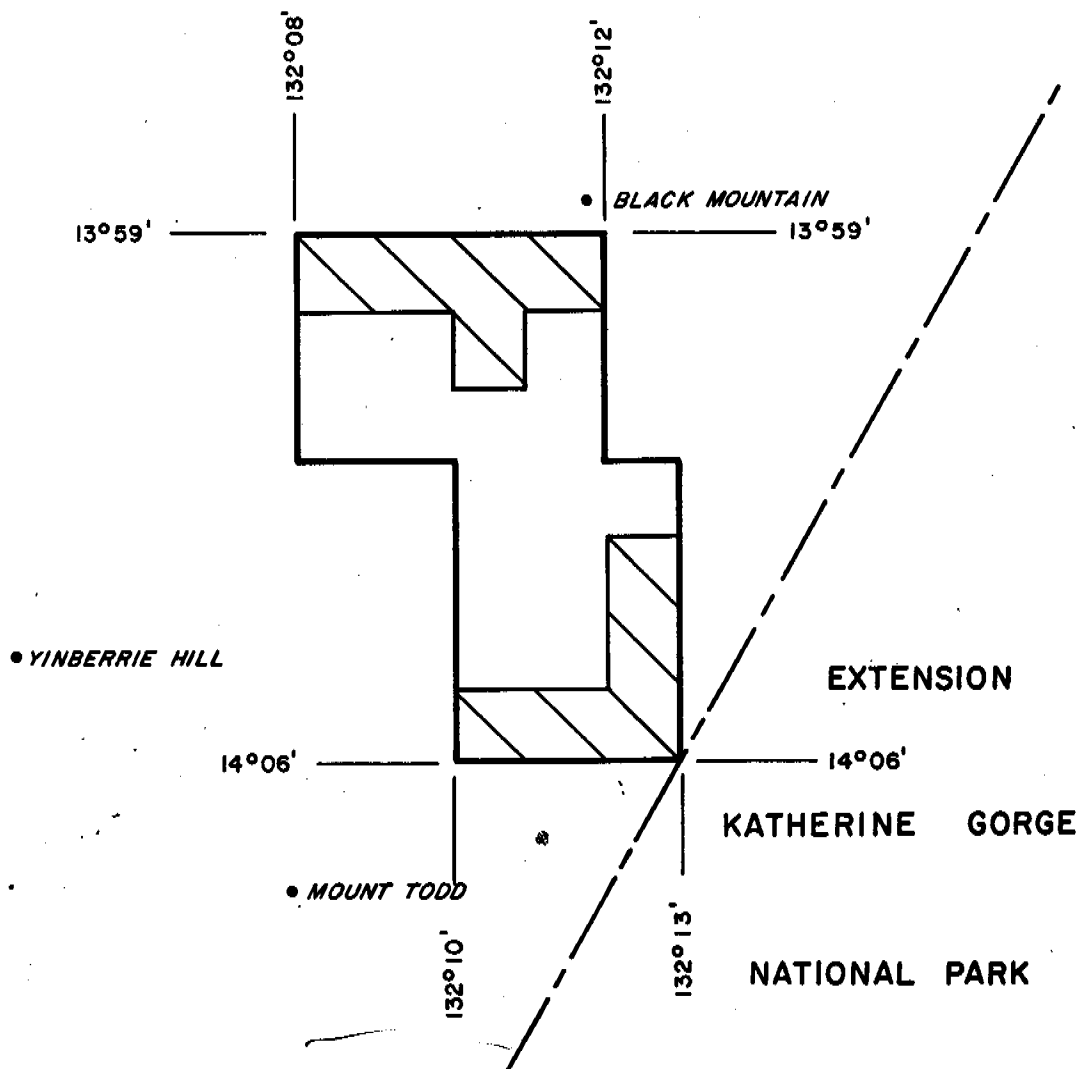
Fig. 1.

TENURE

Exploration Licence 2044 was granted to E B Walker, M Sakurai, M A Bartholemew, D M Hendry and J M Walker on 30 July 1987 for six years.

During 1989 an exploration agreement was made between the licence holders and Driffield Mining Pty Ltd (who took over M Sakurai's title) to continue exploration over the licence as a joint venture.

Ten blocks were dropped from EL2044 during year two of tenure; five in the north and five in the southeast (Figure 2.). This report covers exploration results for 1988/89 from these two dropped areas.



AREA RELINQUISHED

(((— eupene exploration enterprises

Client: E.B. Walker

Scale:

Compiled: S.H. Hickey

Date: Sept. 1989

Drawn: C. S. D. S.

EL 2044 TENURE LOCATION MAP

Fig. 2.

GEOLOGY

The geology of the licence area is reflected on the Edith River 100 000 scale Preliminary Geological Map and in part on the Ranford Hill 100 000 scale Geological Map, both produced by the Bureau of Mineral Resources, Geology and Geophysics.

The Early Proterozoic Burrell Creek Formation is the predominant geological unit over the licence area. The main rock type consists of pallid grey to medium grey, fine to medium grained, moderately folded greywacke. Regional metamorphism is greenschist facies with a strong NNE to SSW strike fold trend throughout the licence.

The greywacke is interbedded with similar coloured siltstone to a small extent.

Quartz veining is strong throughout the licence area. Large quartz veins dominate the tops of the north-south trending strike ridges, and produce extensive quartz vein scree on the ridge slopes and narrow floodplains. Fine quartz veins are common throughout the greywacke in association with the larger quartz veins. Very fine veinlets (<2mm thick) cross cut the bedding while 2mm to 25mm thick veins run parallel to it. The thicker quartz veins which run parallel to bedding produce a "sandwich effect" in the greywacke.

The greywacke also exhibits numerous sulphide casts (probably pyrite) in areas associated with strong quartz veining. The casts range in size from 1mm to 3mm in diameter. It appears that the quartz veins and gossanous veins originate from the same stockwork, however more detailed mapping of the geology on the licence needs to be carried out to fully determine the association between the gossan veins and the folded and faulted metasediments.

WORK COMPLETED

During 1988, 70 stream sediment samples, six bulk cyanide leach and six rock chip samples were taken over the northern and southeast portion of the licence in the areas dropped. During 1989, 27 stream sediment samples were taken over the northern portion of the licence which has been dropped.

Results for these samples are listed in Appendix A and the sample locations are plotted on Figure 3.

CONCLUSIONS

The southeast portion of the licence sampled did not reveal any anomalous gold or base metal results, while the northern portion only revealed some limited gold rock chip results. In the light of more prospective results in the central portion of the licence, the northern and southeast portion blocks were dropped from the licence.

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RELINQUISHMENT REPORT
EL2044
28 October, 1988 to 29 October, 1989

FOR
E. B. WALKER
& OTHERS
PAGE: 8

APPENDIX A

STREAM SEDIMENT RESULTS

ROCK CHIP RESULTS

1988 SAMPLE RESULTS

STREAM SEDIMENT -BCL

<u>Sample No:</u>	<u>Au</u>	
27604	8.40	(ppb)
27605	6.00	
27606	0.50	
27607	2.90	
27609	<0.10	
27616	12.80	

STREAM SEDIMENT -40#

<u>Sample No.</u>	<u>Au</u>	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>	<u>As</u>	<u>Sn</u>	
28415	0.01	20	114	29	10	46	(ppm)
28416	0.02	21	73	28	8	<10	
28417	0.02	17	49	13	5	<10	
28418	0.02	20	104	49	12	<10	
28420	0.03	39	64	59	39	620	
28449	0.05	46	52	46	24	70	
28474	0.01	29	13	37	5	<5	
28475	0.01	47	42	74	15	<5	
28476	0.01	40	46	58	22	2860	
28477	0.01	39	37	69	13	<5	
28479	<0.01	36	50	82	13	<5	
28480	0.01	34	53	93	17	45	
28481	0.02	26	41	58	17	880	
28482	<0.01	32	10	30	3	11	
28483	<0.01	34	15	36	5	<5	
28484	0.01	43	40	70	11	40	
28485	0.01	48	2	33	7	15	
28486	0.02	59	37	58	6	16	
28501	0.04	52	59	58	11	<10	

STREAM SEDIMENT -40# Con't.

<u>Sample No.</u>	<u>Au</u>	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>	<u>As</u>	<u>Sn</u>	
28502	0.02	47	30	20	6	<10	(ppm)
28503	0.02	47	30	30	5	<10	
28504	0.02	39	44	23	36	15	
28505	0.04	40	33	27	3	14	
28506	0.03	40	26	22	2	12	
28507	0.04	51	27	38	9	<10	
28509	0.04	29	14	8	8	30	
28512	0.02	70	58	79	26	14	
28513	0.01	821	41	78	19	<10	
28553	<0.01	27	10	15	5	<10	
28554	<0.01	17	9	10	5	<10	
28555	<0.01	24	9	11	8	<10	
28601	0.01	15	15	20	32	<10	
28602	0.01	19	15	12	16	<10	
28603	0.01	12	13	5	7	<10	
28604	0.02	22	16	11	16	<10	
28605	0.01	12	40	40	5	<10	
28606	0.02	12	16	14	4	<10	
28607	0.02	14	13	9	6	<10	
28608	0.02	10	17	8	7	<10	
28613	<0.01	29	14	8	4	<10	
28614	<0.01	17	14	8	5	<10	
28615	<0.01	20	16	8	7	<10	
28616	<0.01	21	15	6	7	<10	
28617	0.01	19	13	7	9	<10	
28619	<0.01	16	11	6	<2	<10	
28620	<0.01	18	13	6	5	<10	
28621	<0.01	14	12	7	<2	<10	
28622	<0.01	17	13	9	3	<10	
28623	<0.01	15	12	7	3	<10	
28624	<0.01	21	15	8	5	<10	
28625	<0.01	20	18	8	5	<10	

STREAM SEDIMENT -40# Con't.

<u>Sample No.</u>	<u>Au</u>	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>	<u>As</u>	<u>Sn</u>	
28626	<0.04	16	13	7	7	<10	(ppm)
28627	<0.01	18	15	9	4	<10	
28628	0.07	15	12	8	2	<10	
28629	<0.01	18	16	9	7	<10	
28630	0.01	16	19	9	<2	<10	
28631	<0.01	22	12	7	5	<10	
28623	<0.01	16	15	8	2	<10	
28633	<0.01	24	12	6	3	<10	
28634	<0.01	17	14	8	3	<10	
28635	<0.01	201	12	6	2	<10	

ROCK CHIPS

<u>Sample No.</u>	<u>Au</u>	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>	<u>As</u>	<u>Sn</u>	
28511	0.23	730	135	1150	2720	43	(ppm)
28514	0.67	220	1500	1110	2700	74	
28515	0.19	400	266	2040	1270	57	
28900	0.02						
28901	0.01						
28902	0.03						

STREAM SEDIMENT -50#

<u>Sample No.</u>	<u>Au</u>	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>	<u>Sn</u>	
28807		11	7	11	<10	(ppm)
28892	<1					(ppb)
28893	<1					
28894	8					
28895	3					
28896	1					
28897	8					
28898	1					
28899	1					

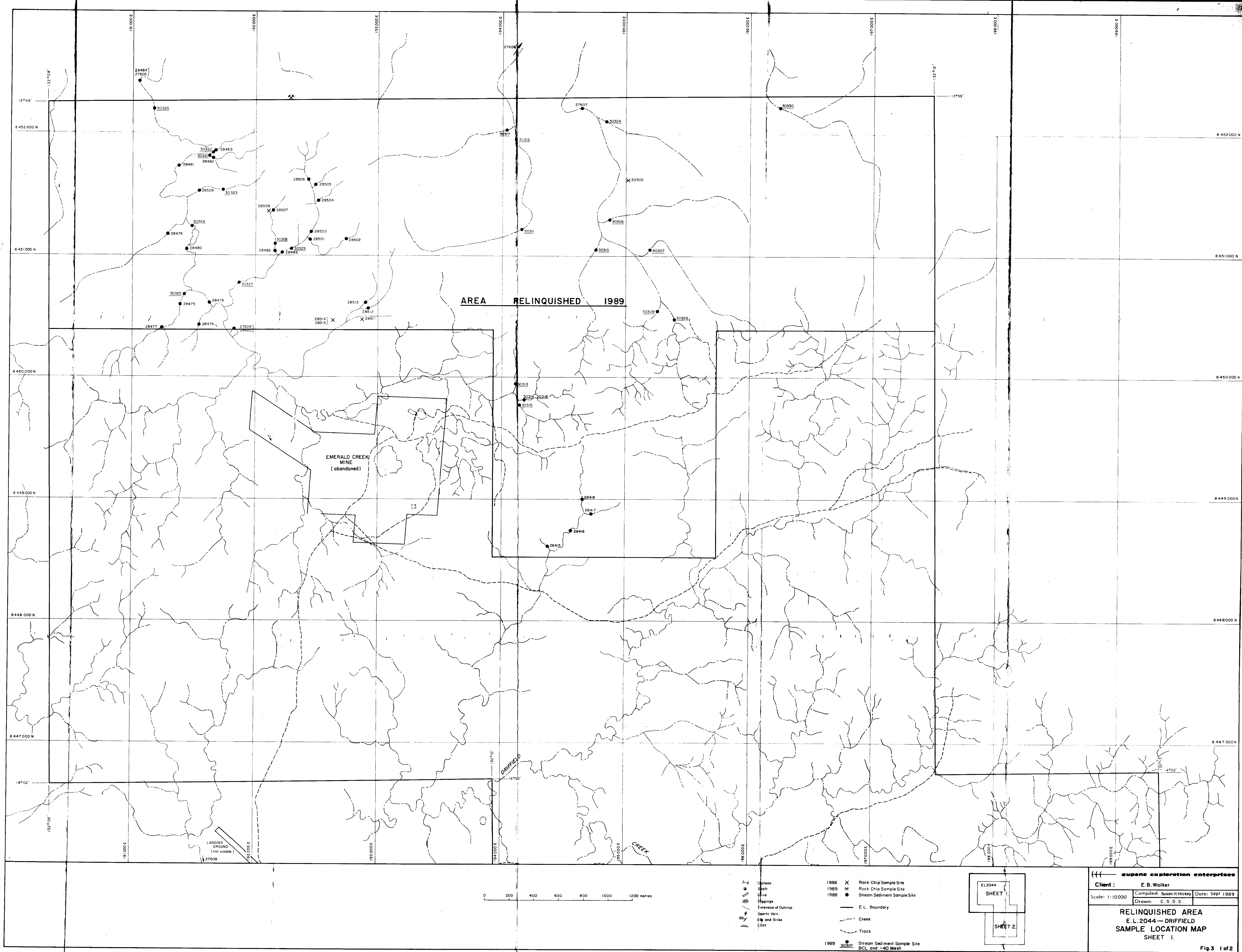
1989 SAMPLE RESULTS

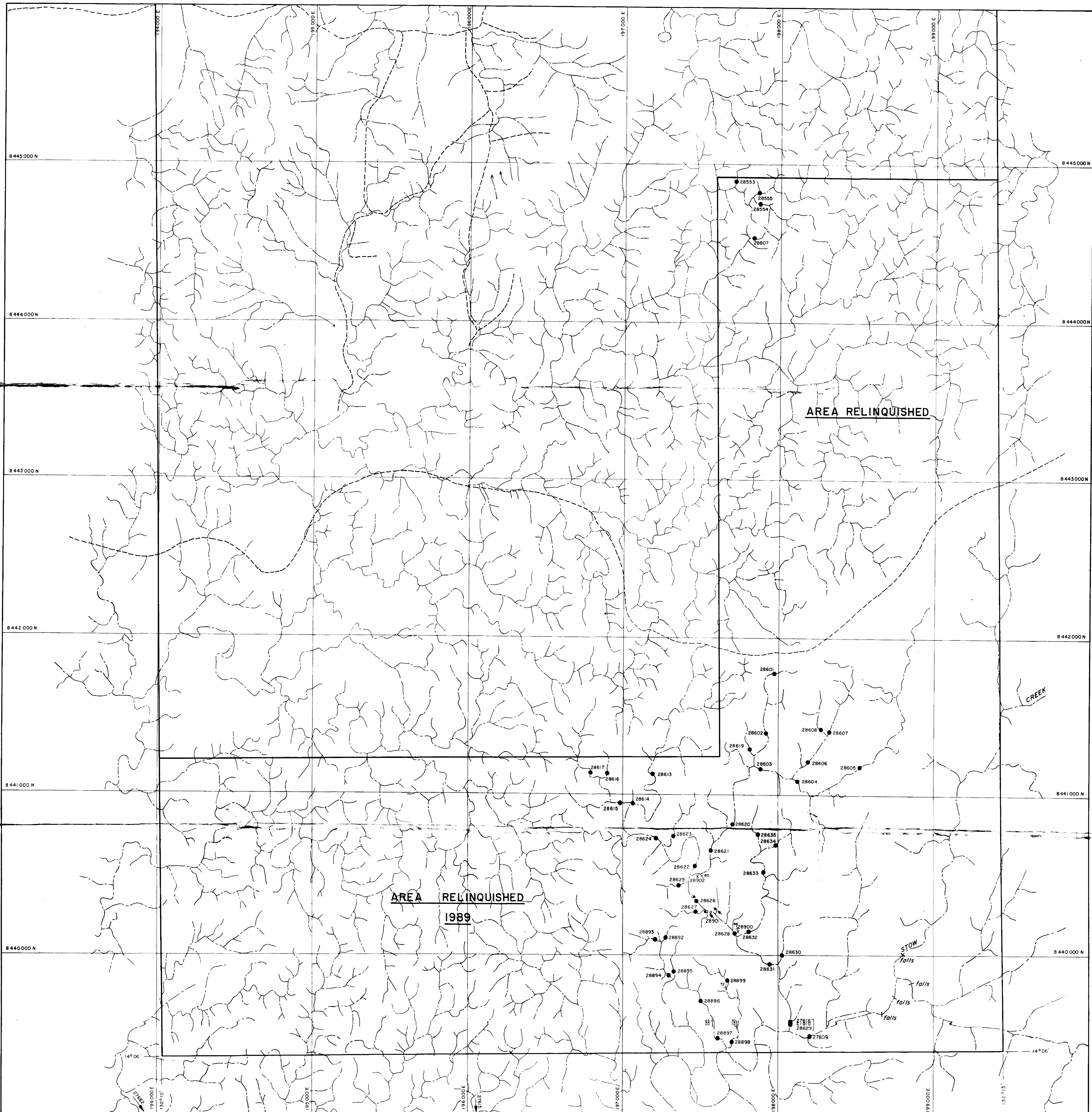
STREAM SEDIMENT -80#

<u>Sample No.</u>	<u>Cu</u>	<u>Zn</u>	<u>As</u>	<u>Au</u>	<u>Pb</u>	(ppm)
30304	45	110	29	0.018	165	
30306	40	105	24	0.042	225	
30307	15	65	21	0.014	100	
30308	20	70	18	0.008	55	
30309	25	95	-	0.084	140	
30310	35	130	34	0.012	130	
30327	55	60	21	0.026	75	
30328	50	60	22	0.076	85	
30329	70	105	36	0.052	95	
30330	30	80	17	0.006	145	
30311	110	150	80	0.034	160	
30313	60	180	25	0.026	245	
30314	40	130	20	0.010	145	
30315	55	150	16	0.018	250	
30317	90	75	77	0.012	95	
30318	40	130	20	0.012	145	
30320	20	80	25	-	30	
30321	40	45	10	0.006	35	
30322	45	55	10	<0.005	30	
30323	35	30	7	0.008	25	
30324	20	85	31	-	55	
30325	40	100	24	0.020	80	

STREAM SEDIMENT -40#

<u>Sample No.</u>	<u>Au</u>	
30306	0.013	(ppm)
30309	<0.005	
30311	0.034	
30328	0.014	
30329	0.015	



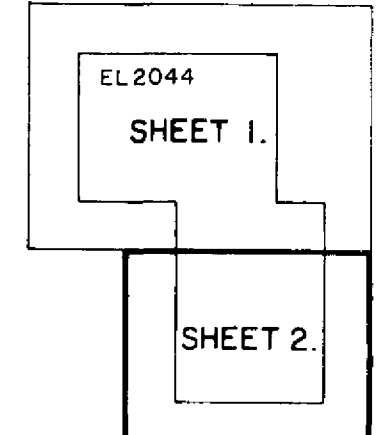


0 200 400 600 800 1000 1200 metres



Coastline
Shaft
Drive
Diggings
Extension of Outcrop
Quartz Vein
Dip and Strike
Cliff

X Rock Chip Sample Site
● Stream Sediment Sample Site
— E.L. Boundary
— Creek
— Track
— Mineral Claim Boundary



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Client: E. B. Walker

Scale: 1:10000 Compiled: Susan Hickey Date: Sept 1989

Drawn: C. S. D. S.

RELINQUISHED AREA
E.L. 2044 — DRIFIELD
SAMPLE LOCATION MAP
SHEET 2.

Fig. 3 2 of 2

CR 87/643