

Appendix 7-1 Analytical Data of Heavy Mineral Samples
 Southern Sierra Madre - Polillo Area

	Au	Ga	Cu	Zn	Ni	Co	Mn	As	Mo	(ppm)
1	<0.02	21	11	1060	22	27	4800	<0.5	<2	
2		12	5	260	13	20	1500	<0.5	<2	
3		13	45	300	30	31	2310	2.5	2	
4		9	28	166	24	22	1410	2.5	<2	
5	↘	16	22	450	24	26	2400	<0.5		
6	<0.02	12	35	280	27	29	1960	2.1		
7	<0.005	18	57	290	43	34	1560	4.2		
8	<0.02	11	67	102	31	27	1030	5.7		
9		<4	4	16	6	3	170	<0.5		
10		28	22	490	42	46	3300	<0.5		
11		24	23	480	56	65	2500			
12		15	23	220	31	54	1340			
13		12	14	42	17	28	560	↘		
14		4	17	64	24	14	570	<0.5	<2	
15		9	28	203	24	32	1300	1.6	2	
16		12	17	188	36	27	1120	<0.5	<2	
17		9	39	84	15	17	920	24		
18	↘	30	45	540	66	41	2800	1.3		
19	<0.02	24	27	410	41	45	2500	<0.5	↘	
20	1.5	11	140	68	57	82	290	3.0	<2	

(ppm)

	Au	Ga	Cu	Pb	Ag	Zn	Ni	Co	Mn	As	Mo
21	<0.02	13	10	<10	<1	78	21	15	580	<0.5	<0.2
3264Ⅲ E113HM		24	143	<10		410	39	49	2500	2.0	0.3
23		14	22	48		380	22	26	2320	2.6	<0.2
3264Ⅲ E104HM											
24	<0.02	18	35	<10		360	37	51	2100	1.6	
3363Ⅲ E16HM											
25	N06	NS	14	12		139	25	31	830	0.7	
3363Ⅲ H145HM											
26	<0.02	25	24	<10	<1	530	46	39	2900	<0.5	
3364Ⅳ F037HM											
27	N08	NS	33		8	270	57	41	1390	1.04	<0.2
C209HM											
28	<0.02	10	20		<1	43	18	25	680	<0.5	0.2
3364Ⅰ M037HM											
29	14	13	83			182	41	40	960	3.6	<0.2
C211HM											
30	<0.02	18	50			44	16	30	960	0.7	
3364 K021HM											
31		24	25			540	37	35	2400	<0.15	
Q0014HM											
32		15	71			138	36	40	1030	1.6	
3266Ⅰ F291HM											
33		31	36			390	37	50	2280	<0.5	
3264Ⅱ HC75HM											
34		21	33			360	33	40	2460	<0.5	
N054HM											
35		34	25			460	42	66	2500	<0.5	
N057HM											
3344Ⅳ N012HM		9	39			101	18	19	930	4.0	
3364Ⅱ K001HM											
37	<0.02	12	30			40	19	24	730	3.7	
M180EM											
38	0.064	27	50			430	40	48	2380	1.7	
P047HM											
39	<0.02	14	22			159	34	46	1070	4.4	
M181HM											
40	<0.025	19	59	<10	<1	320	55	47	1840	4.3	<0.2

(ppm)

	Au	Ga	Cu	Pb	Ag	Zn	Ni	Co	Mn	As	Mo
P104HM	41	<0.02	25	24	<10	<1	370	42	80	<0.5	<0.2
M009HM	42		14	23			54	16	18	1.1	
P049HM	43		32	24			500	43	71	<0.5	
H031HM	44	<0.02	24	31			410	58	80	<0.5	
C212HM	45	0.04	14	76			197	49	39	4.4	
	46	471.04	34	38			410	67	48	1.1	
H054HM	47	<0.02	17	25	10		380	30	47	<0.5	
L175HM	48	0.028	10	330	13		2400	40	36	64.0	
M075HM	49	<0.02	5	22	<10		68	23	22	<0.5	
P122HM	50		21	25			390	38	62	<0.5	
C208HM	51	<0.02	15	26			230	72	40	1500	2.0
M089HM	52	0.04	5	12			77	26	21	490	0.9
H046HM	53	<0.02	24	30			370	56	80	1630	0.5
C210HM	54		9	42			179	29	32	1100	4.4
P026HM	55		12	23			192	27	48	1130	2.5
H067HM	56	<0.02	17	29			360	38	53	2050	0.5
H013HM	57	1.3	14	30			210	92	38	1190	3.9
H002HM	58	<0.02	15	34			380	54	51	8800	<0.5
H053HM	59		18	38			380	27	33	2380	1
Q017HM	60	<0.02	18	26	<10	<1	480	36	37	2470	<0.2

(ppm)

	Au	Ga	Cu	Pb	Ag	Zn	Ni	Co	Mn	As	Mo
L005HM	<0.02	<4	13	<10	<1	19	<3	<3	250	0.5	<2
3266III E318HM		9	39			174	39	32	1020	1.1	
3265V E226HM		11	210			166	26	28	1270	0.9	
3264III E109HM		17	38			370	36	50	2190	0.9	
326 III E099HM		10	29			210	33	30	1580	2.7	
H001HM		31	34			320	43	48	1700	1.7	
3263I H045HM		23	31			380	60	88	1690	<0.5	
3364III F004HM		25	24			380	42	36	2380	<0.5	
H036HM		18	25			270	71	44	1800	2.0	
F128HM	↘	13	32			290	30	46	1550	<0.5	
Q093HM	<0.02	26	30	↘		890	27	39	3706	1	
3363V H146HM	NS	NS	18	<10		184	23	38	970	<0.5	
3363V H143HM	NS	NS	12	16		66	18	7	640	<0.5	
3265V E172HM	<0.02	12	38	<10		176	21	35	1350	<0.5	↘
3264V E118HM		13	43	↘		370	32	34	2380	2.5	<2
H029HM	↘	29	30	<10		390	53	83	1780	<0.5	3
3264II H049HM	<0.02	<4	28	18		510	62	69	2480	0.7	<2
H066HM	644	24	23	<10		460	39	60	2000	<0.5	
C207	<0.02	18	59	↘	↘	270	70	52	1410	2.0	↘
K190HM	<0.02	30	40	<10	<1	520	53	40	2200	1.1	<2

(ppm)

	Au	Ga	Cu	Pb	Ag	Zn	Ni	Co	Mn	As	Mo
3264I H238HM	<0.02	26	50	<10	<1	380	24	49	2370	5.9	3
3264I H250HM		31	35			380	40	40	2350	2.6	3
3265II F187HM		29	16			67	35	22	550	0.5	<2
3266III N197HM		24	39			330	21	23	2090	0.6	2
3265II F203HM	<0.02	27	42			340	56	87	1730	<0.5	3
3265II N239	<0.005	22	28			300	29	56	2040	1.4	2
3265II N254HM	<0.02	20	32			230	13	23	1850	1.6	2
3265II G255	<0.025	13	33	<10	<1	240	29	54	1630	<0.5	<2
3265II G27IHM	<0.02	11	79	47	4	80	43	56	340	3.20	3
3265IV N214	<0.008	20	59	<10	<1	350	69	67	2060	1.3	3
3266III N196	<0.013	21	102			450	37	64	2800	1.7	2
3363II H139HM	<0.102	30	58			480	41	48	3000	2.7	3
3363IV H143HM	NS	NS	29			490	33	55	3100	<0.5	2
3363IV H144	27	10	32			340	65	51	2210	0.6	2
3363IV H144	18	9	26			450	40	47	3100	<0.5	2
3266II C277	<0.03	10	62			430	47	39	2450	4.2	3
3264I G018HM	<0.02	20	26			390	52	26	2360	0.9	2
3264I H239HM		28	58			189	51	25	1890	1.70	2
3265I Q135HM	<0.02	16	29			75	16	14	620	4.5	2
M258HM	<0.008	19	36	<10	<1	330	56	50	1210	0.8	2

(ppm)

	Au	Ga	Cu	Pb	Ag	Zn	Ni	Co	Mn	As	Mo
3266H	<0.025	8	37	32	<1	310	64	52	2170	<0.5	2
C305HM											
3263V	<0.02	25	24	<10	<1	330	33	58	1820	<0.5	<2
H148HM											
3264I		26	74	450	19	121	30	21	500	170	4
H261HM											
3263I		28	27	73	3	133	37	24	560	0.7	<2
H090HM											
3363V	<0.02	27	52	100	3	125	34	13	550	1.6	<2
H149HM											
3264I	5.5	29	45	<10	<1	92	35	21	890	5.1	<2
H180HM											
3263I	<0.02	27	24			320	34	71	2120	<0.5	<2
H191HM											
3264I		24	83			480	45	55	2900	39	2
H179HM											
3265I	<0.02	24	78			340	70	46	1850	6.7	2
Q136HM											
3363V	<0.025	13	54			270	42	28	1210	120	3
H14I											
3264I	5.2	11	52			103	12	15	580	270	2
H177											
3264V	<0.02	25	87			450	42	55	3100	20	3
H222HM											
3265III		19	32			420	54	29	3700	<.5	2
2026HM											
J233HM		6	204			65	11	20	350	5.1	3
3264V											
M501HM		5	16			22	43	24	210	<.5	<2
3264I		7	61			91	12	20	1250	34	2
H174HM											
3265I		6	67			74	80	36	1160	3.5	2
E280HM											
H128HM		30	25			320	35	70	2150	<.5	<2
3265V											
G139HM		4	23			75	10	18	1020	2.2	2
3364V											
H223HM		28	28			410	50	48	3600	.7	<2

(ppm)

	Au	Ga	Cu	Pb	Ag	Zn	Ni	Co	Mn	As	Mo
3264V N512HM		7	29			29	38	27	290	.5	<2
3265II Y030HM		22	42			320	62	36	2,360	.9	<2
W511HM		15	21		<1	35	23	23	420	.9	2
3265II R023HM	<0.02	25	26		<1	550	35	45	4,400	<.5	<2
Y512HM	34	4	20		<1	17	28	22	210	<.5	<2
3264I X012HM	<0.02	26	58		<1	430	73	48	2,490	<.5	3
3264I X013HM		26	46		1	380	38	39	2,310	17	2
3264V N501HM		10	28		<1	38	71	28	280	<.5	<2
3265II Y008HM	<0.02	23	54	<10		280	30	36	2,040	<.5	
3264I H178HM	0.88	19	61	50		430	36	41	2,800	13	
3265II W001HM	<0.02	24	33	<10	<1	690	38	40	4,500	.9	<2
3265II T006		17	75			340	36	38	2,000	170	
3264I G047HM		20	29			320	33	63	2,410	<.5	
3266III G227HM		16	52			191	47	34	1,770	<.5	
3265I E231HM	<0.02	25	34			280	30	32	1,650	<.5	<2
3264V H221HM	0.4	22	101			530	47	59	3,500	.9	2
3265II Y007HM	<0.025	10	45			80	37	21	1,070	18	2
3263V H122HM	<0.02	25	30			330	36	67	2,200	<.5	<2
3264I G048HM	<0.008	13	48			145	16	26	1,350	7.6	2
3266III G228	<0.02	23	26	<10	<1	230	23	44	1,940	<.5	<2

Appendix 7-2 Analytical Data of Heavy Mineral Samples

Bohol · Siguijor Area

(ppm)

		Au	Ga	Cu	Pb	Ag	Zn	Ni	Co	Mn	As	Mo	Hg (ppb)
37493-B34HM	1	<.02	11	30	<10	< 1	133	22	29	710	210	6	140
37491-B29HM	2		17	44	↓		280	28	64	1600	60	4	86
37491-B16HM	3		16	46	<10		270	20	50	1520	23	< 2	60
37492-B15HMD	4		40	99	<10		320	122	73	1610	290	4	<40
37492-B15HM	5		52	20	12		340	146	80	1550	480	5	
37502-B11HM	6		12	30	<10		290	37	37	1950	34	3	
37491-B06HM	7		9	39			162	30	41	1110	64	3	
37492-B07HM	8		10	40			137	20	30	910	270	3	
36471-B06HM	9		11	29	↓		182	23	34	1730	52	< 2	↓
37491-B01HM	10		37	59	<10		480	41	117	1940	28	< 2	<40
37491-B01HMD	11	↓	40	58	<10	↓	490	41	119	2030	44	3	76
37491-A57HM	12	<.02	13	38		< 1	240	20	46	1370	40	2	<40
37491-A21HM	13	.56	20	46		1	310	22	62	1850	34	2	60
37491-A21HMD	14	<.02	22	44		< 1	330	23	68	1930	42	2	<40
37491-A1QHM (5gm)	15	<.04	9	49			240	47	68	1280	200	2	
37491-A01HM	16	<.02	24	43			280	45	80	1550	20	2	
37491-A01HMD	17		24	44			290	46	80	1610	28	2	
37491-A01HM	18		22	50			330	50	86	1750	28	< 2	
37491-A01HMD	19	↓	22	42	↓		260	42	74	1460	22	< 2	↓
37493-A01HM	20	<.02	<4	2	<10		9	4	4	79	20	< 2	<40
	21	<.02	42	107	11		310	123	73	1490	390	4	45
37491-E71HM	22		19	22	<10		127	47	28	690	680	13	53
37491-E50HM	23		12	38	<10		151	18	33	800	140	3	<40
37492-E29HMD	24		35	38	18		350	123	77	1920	200	15	<40
37492-E29HM	25		37	39	20		350	118	78	1800	80	14	50
37491-E27HM	26	↓	13	33	<10		124	17	28	1220	260	3	<40
37502-E07HM	27	<.02	15	29			330	41	38	2010	48	3	
37491-D63HM	28	NS	NS	15	↓		117	22	18	630	520	3	
37491-E-10HM	29	<.02	7	50	<10	↓	71	16	20	1000	130	< 2	↓
37491-E05HM	30	↓	13	40	<10	<1	149	24	39	1040	120	2	<40

(ppm)

		Au	Ga	Cu	Pb	Ag	Zn	Ni	Co	Mn	As	Mo	Hg (ppb)
37493-D07HM	31	<.02	24	62	<10	<1	390	31	79	1770	64	3	<40
37493-D05HM	32		5	15			67	22	17	510	58	3	
37491-D01HM	33		33	52			430	29	79	2230	45	4	
37491-C41HM	34	↓	20	53			300	20	47	1650	62	3	
37491-C23HM	35	<.02	16	60			240	42	52	1420	110	3	
37491-B82HM	36	.20	7	9			47	16	10	270	310	4	
37491-B63HM	37	<.02	12	29			137	16	30	880	88	< 2	
37491-B54HM	38		19	35			240	22	49	1190	78	3	
37491-B45HM	39	↓	12	32			250	31	27	1590	32	2	↓
37491-B43HM	40	<.02	11	48			139	15	35	1080	120	3	<40
	41	.04	5	17			64	22	19	560	24	4	140
37492-B40HMD	42	.02	7	44			84	12	19	470	220	4	<40
37492-B40HM	43	<.02	7	45			103	11	20	490	240	3	<40
37492-Q30HM	44	N.S	N.S	46			188	78	56	1270	650	8	40
38493-Q15HM	45			169			420	147	44	890	120	< 2	570
38493-Q15HM	46			191			570	129	43	1700	100	15	450
38493-D68HM	47			47			270	83	67	130	400	< 2	<40
38484-P59HM	48			24			380	25	67	2030	< 5	3	<40
38493-P58HM	49			39			239	45	72	1610	39	< 2	74
38493-P48HM	50			50			450	40	50	3250	110		<40
38494-P42HM	51			31			300	48	57	1480	< 5		<40
38493-P38HM	52			88			255	50	36	1700	110		<40
37492-P31HM	53			10			57	16	12	340	64		<40
38484-P31HM	54			73			400	53	73	2540	130		80
37492-P80HM	55			12			53	18	14	360	33		<40
37492-P28HM	56			27			143	50	36	790	270		<40
38484-P19HM	57			25			275	58	50	1500	350		<40
38493-P14HM	58			5			71	15	12	330	71	↓	<40
38493-P13HM	59	↓	↓	26	↓	↓	96	26	16	450	180	< 2	<40
37492-P04HM	60	N.S	N.S	27	<10	<1	150	35	44	1050	340	7	<40

(ppm)

		Au	Ga	Cu	Pb	Ag	Zn	Ni	Co	Mn	As	Mo	Hg (ppb)
	61	<.02	12	19	<10	<1	124	30	59	1030	12	<2	<40
38484-P01HM	62	N.S	N.S	22	↓		156	78	39	830	50	<2	<40
37491-P01HM	63	↓	↓	25	<10		160	29	40	1060	210	5	<40
37481-P01HM	64	↓	↓	26			250	45	47	1430	23	5	
37492-N50HM	65	N.S	N.S	24			140	30	37	960	220	5	
38484-N47HM (5gm)	66	<.04	16	29	↓		260	39	62	360	8	3	
38484-N25HM	67	N.S	N.S	28	↓		320	39	55	1800	<5	2	
38491-N14HM	68	↓	↓	23	<10		168	17	37	1050	<5	<2	
38484-N13HM	69	↓	↓	73	56		141	38	30	670	24	3	↓
37492-N01HM	70	↓	↓	21	<10		147	23	35	860	130	5	<40
38493-M61HM	71	N.S	N.S	23	<10		149	25	35	970	66	3	40
38493-M51HM	72	<.02	52	50	12		260	127	70	1700	130	25	<40
37481-M37HM	73	N.S	N.S	14	<10		59	37	19	290	44	7	
38484-M35HM (5gm)	74	<.04	8	29	<10		250	38	60	1300	12	<2	
37481-M23HM	75	N.S	N.S	25	↓		210	58	49	1100	13	4	↓
37491-M22HM	76	N.S	N.S	33	<10		310	53	57	1720	30	2	<40
38484-M01HM (5gm)	77	.28	9	100	135		152	44	36	850	18	<2	370
38493-L67HM (5gm)	78	<.04	4	15	<10		96	13	17	770	26	<2	<40
37481-L24HM	79	<.02	16	24	<10		144	31	38	920	260	6	<40
38484-L13HM	80	N.S	N.S	139	80		142	43	33	720	28	<2	280
38493-L07HM	81	<.02	26	99	24		280	160	141	4600	130	12	46
	82	<.02	7	13	<10		67	33	22	520	84	<2	<40
38484-L05HM	83	N.S	N.S	19			250	40	47	1470	6	2	
38491-K56HM	84	N.S	N.S	20			54	14	14	600	<5	<2	
38491-K40HM	85	.02	6	30			33	12	13	560	↓	↓	
38502-K34HM	86	N.S	N.S	4			25	5	4	280	↓	↓	
38491-K27HM	87	.27	7	101			55	21	14	550	<5	<2	
38493-K13HM	88	<.02	4	25			59	24	13	370	72	3	
38491-J91HM	89	N.S	N.S	9	↓	↓	28	20	5	390	<5	<2	↓
38491-J48HM (5gm)	90	<.04	7	22	<10	<1	51	14	13	560	7	<2	<40

(ppm)

		Au	Ga	Cu	Pb	Ag	Zn	Ni	Co	Mn	As	Mo	Hg (ppb)
38493-J27HM	91	.19	12	28	<10	<1	200	26	37	1240	24	2	<40
38491-J19HM (5gm)	92	<.04	10	31			91	29	17	1080	65	2	↓
38491-J09HM	93	<.02	4	21			41	21	9	380	60	<2	<40
38502-J08HM	94	N.S	N.S	57			51	38	18	440	88		50
38491-J07HM	95	<.02	5	49			82	61	19	920	26		<40
38502-J06HM	96	N.S	N.S	6			13	9	3	270	<5		
38492-J04HM	97	<.02	4	25	↓		32	250	21	550	20		
38492-J01HM	98	<.02	6	29	<10		51	109	18	590	18		
38491-H66HM	99	N.S	N.S	22	20		72	17	16	940	32	↓	↓
38493-N45HM	100	N.S	N.S	20	<10		96	26	21	690	34	<2	<40
	101	<.02	17	15	<10		152	31	47	1060	<5	2	110
38493-H44HM	102	<.02	9	37	<10		159	31	34	840	120	3	100
38491-H34HM	103	N.S	N.S	12	<10		29	19	8	330	28	<2	<40
38491-H23HM	104	<.02	10	24	<10		173	56	57	1020	<5		
38492-H14HM	105	<.02	4	25	<10		29	290	22	580	18		
38491-H13HM	106	.054	6	13			79	19	23	580	<5		
38502-H11HM	107	.12	<4	4			15	6	4	300	<5		
38502-H07HM (5gm)	108	1.1	<4	4			20	8	5	450	<5		↓
38491-H01HM (5gm)	109	<.02	5	22			123	30	22	1130	56		↓
38491-692HM	110	N.S	N.S	13			55	49	15	570	<5		<40
38491-656HM (5gm)	111	<.04	5	13			33	11	10	500			46
38491-626HM	112	<.02	5	17			42	67	22	500	↓		<40
38492-6-45HM	113	N.S	N.S	13			50	41	15	490	<5		
38492-6-11HM	114	<.02	4	17			43	61	16	530	52		
38502-6-11HM (5gm)	115	<.04	8	24			60	16	13	510	10		↓
38491-6-10HM	116	<.02	6	14		↓	67	28	25	510	66		↓
38491-F71HM	117	<.02	5	24		<1	29	11	13	320	<5		<40
38491-F55HM	118	.94	7	18		2	81	13	15	690	<5	↓	170
38492-F42HM	119	<.02	12	20	↓	<1	120	29	59	980	<5	<2	<40
38502-F29HM	120	.02	<4	11	<10	<1	21	7	10	250	54	6	<40

Sample description	FeO	SiO2	Al2O3	CaO	Fe2O3	MgO	CaO	K2O	Na2O	SiO2	FeO	CaO	K2O	Na2O	SiO2	FeO	CaO	K2O	Na2O	SiO2	FeO	CaO	K2O	Na2O	SiO2	FeO	CaO	K2O	Na2O	SiO2	FeO	CaO	K2O	Na2O	SiO2	FeO	CaO	K2O	Na2O	SiO2	FeO	CaO	K2O	Na2O
A 0501-55	DELAYED	50.94	18.88	0.018	10.07	3.03	11.19	2.36	0.42	0.540	0.01	0.18	2.98																															
A 0506-73	DELAYED	53.54	16.62	0.046	9.66	2.41	9.29	2.58	0.97	0.880	0.07	0.14	3.07																															
A 0509-92	DELAYED	54.17	13.83	0.017	13.12	4.45	8.86	2.46	0.47	0.670	0.01	0.20	2.98																															
A 0529-36	DELAYED	59.95	16.79	0.010	7.05	2.02	8.24	2.51	0.44	0.540	0.05	0.18	2.70																															
A 0531-139	DELAYED	47.14	17.74	0.032	10.71	5.21	10.73	2.89	0.66	0.910	1.00	0.15	1.91																															
B 510-01	DELAYED	55.71	12.89	0.028	7.50	8.84	7.12	3.31	0.99	0.970	0.39	0.13	2.23																															
B 517-02	DELAYED	58.06	17.68	0.028	9.15	2.22	8.11	3.29	0.70	0.670	0.10	0.23	4.09																															
B 615-05	DELAYED	50.17	15.24	0.009	8.70	9.50	1.84	1.84	0.13	0.560	0.15	0.19	4.61																															
B 617-01	DELAYED	74.93	11.84	0.047	2.50	0.40	2.02	4.40	1.21	0.420	0.11	0.09	1.67																															
B 618-04	DELAYED	54.89	12.91	0.013	7.51	6.17	8.95	1.91	0.57	0.470	0.16	0.18	5.23																															
B 619-03	DELAYED	70.02	12.77	0.038	4.56	1.13	3.83	3.60	2.18	0.400	0.11	0.06	1.00																															
B 620-02	DELAYED	52.45	13.39	0.031	7.36	5.32	7.30	2.23	1.78	0.680	0.25	0.14	8.58																															
B 624-01	DELAYED	52.88	17.22	0.003	5.88	6.35	12.04	2.47	0.14	0.510	0.08	0.12	1.78																															
C 0121785	DELAYED	59.48	17.08	0.068	6.94	2.22	6.28	3.48	2.47	0.530	0.41	0.17	0.76																															
E 117	DELAYED	54.67	16.48	0.054	6.57	3.50	8.11	2.41	2.11	0.540	0.34	0.15	6.36																															
G 242	DELAYED	69.34	13.97	0.027	2.66	1.24	4.08	3.51	1.64	0.260	0.19	0.10	2.85																															
G 292	DELAYED	53.59	16.64	0.007	10.83	4.66	8.11	3.91	0.44	0.520	0.07	0.21	2.72																															
H 502-01	DELAYED	56.38	17.16	0.016	7.15	3.77	6.82	3.90	0.94	0.620	0.15	0.15	1.82																															
H 524-01	DELAYED	56.99	15.60	0.030	5.74	3.86	6.64	3.34	1.26	0.440	0.22	0.14	3.41																															
H 614-02	DELAYED	51.34	13.41	0.004	11.23	4.21	10.13	2.92	0.11	1.320	0.16	0.19	3.47																															
H 624-01	DELAYED	57.12	13.17	0.012	10.45	4.31	5.90	4.04	0.11	1.410	0.13	0.24	2.94																															
I 23-32541I	DELAYED	61.33	16.49	0.017	4.70	1.78	6.42	3.17	1.00	0.450	0.01	0.08	4.78																															
I 54-32541I	DELAYED	63.73	14.21	0.021	6.19	2.78	5.24	2.76	1.00	0.450	0.01	0.13	2.67																															
J 508-16	DELAYED	51.83	16.00	0.012	9.62	4.22	9.34	1.72	0.31	0.540	0.01	0.18	5.32																															
J 509-12	DELAYED	53.08	15.89	0.017	9.50	3.08	8.19	2.18	0.35	0.620	0.03	0.21	5.70																															
J 512-20	DELAYED	52.69	15.99	0.018	7.84	3.85	8.92	2.32	0.44	0.610	0.21	0.20	5.02																															
J 514-09	DELAYED	56.52	15.50	0.013	9.63	2.09	5.24	5.28	0.44	0.700	0.07	0.17	2.93																															
N 198	DELAYED	49.75	16.36	0.012	5.49	2.46	13.83	2.21	0.24	0.730	0.17	0.31	9.26																															
N 223	DELAYED	53.81	15.57	0.052	7.08	3.07	7.74	2.40	1.42	0.540	0.12	0.18	6.01																															
N 242	DELAYED	64.94	15.20	0.025	3.71	2.59	1.79	3.17	1.14	0.350	0.12	0.07	3.15																															
AR-08	DELAYED	59.17	17.03	0.077	6.35	1.66	7.54	3.58	2.19	0.530	0.45	0.11	0.57																															
AR-17	DELAYED	50.05	14.83	0.003	8.10	5.90	12.04	1.61	0.36	0.770	0.14	0.19	5.41																															
AR-09	DELAYED	58.53	15.31	0.012	7.73	3.88	8.18	2.63	0.82	0.630	0.14	0.15	0.92																															
CR-16	DELAYED	56.74	16.66	0.015	7.14	2.79	8.33	2.64	0.79	0.780	0.23	0.14	0.99																															
ER-08	DELAYED	55.06	18.01	0.012	8.17	2.66	9.26	2.84	0.60	0.770	0.18	0.16	2.21																															
R-04	DELAYED	44.86	13.15	0.006	11.30	11.87	13.97	1.99	0.26	1.140	0.14	0.23	2.95																															
R-10	DELAYED	59.64	15.74	0.092	5.77	1.70	5.64	3.11	3.05	0.380	0.29	0.13	2.17																															
R-11	DELAYED	59.08	16.07	0.079	6.07	1.88	6.37	3.09	3.02	0.400	0.28	0.11	1.98																															
R-13	DELAYED	53.19	12.37	0.011	7.01	9.16	4.30	4.92	0.23	0.320	0.02	0.16	6.94																															
R-15	DELAYED	53.62	14.21	0.013	8.85	6.09	8.39	4.79	0.35	0.510	0.10	0.19	1.16																															
R-17	DELAYED	58.45	15.75	0.017	7.29	3.27	5.33	3.63	0.61	0.520	0.11	0.15	3.53																															
R-19	DELAYED	41.64	1.99	0.019	7.28	32.10	0.55	0.66	0.02	0.070	0.04	0.10	14.53																															
R-21	DELAYED	68.70	14.33	0.042	4.64	1.80	3.37	3.34	2.28	0.330	0.08	0.07	2.03																															
R-22	DELAYED	66.16	14.91	0.018	6.93	2.21	3.27	2.46	0.38	0.420	0.06	0.09	2.25																															
R-29	DELAYED	63.28	15.93	0.026	6.58	2.58	5.31	2.71	1.24	0.450	0.11	0.10	2.41																															
R-31	DELAYED	60.90	14.00	0.035	10.88	2.49	4.58	0.89	1.73	0.710	0.15	0.23	3.93																															
R-33	DELAYED	96.96	0.46	0.006	0.80	0.20	0.05	0.04	0.06	0.170	0.01	0.02	0.36																															
BUCYOL	DELAYED	42.88	1.67	0.007	7.87	32.65	0.96	0.05	0.07	0.060	0.01	0.13	14.56																															
MAHAYAG 1	DELAYED	73.79	12.42	0.031	2.31	1.40	2.39	4.22	1.44	0.310	0.01	0.10	1.60																															
MAHAYAG 2	DELAYED	75.08	13.11	0.027	2.69	0.84	2.26	3.94	1.54	0.310	0.01	0.09	1.15																															

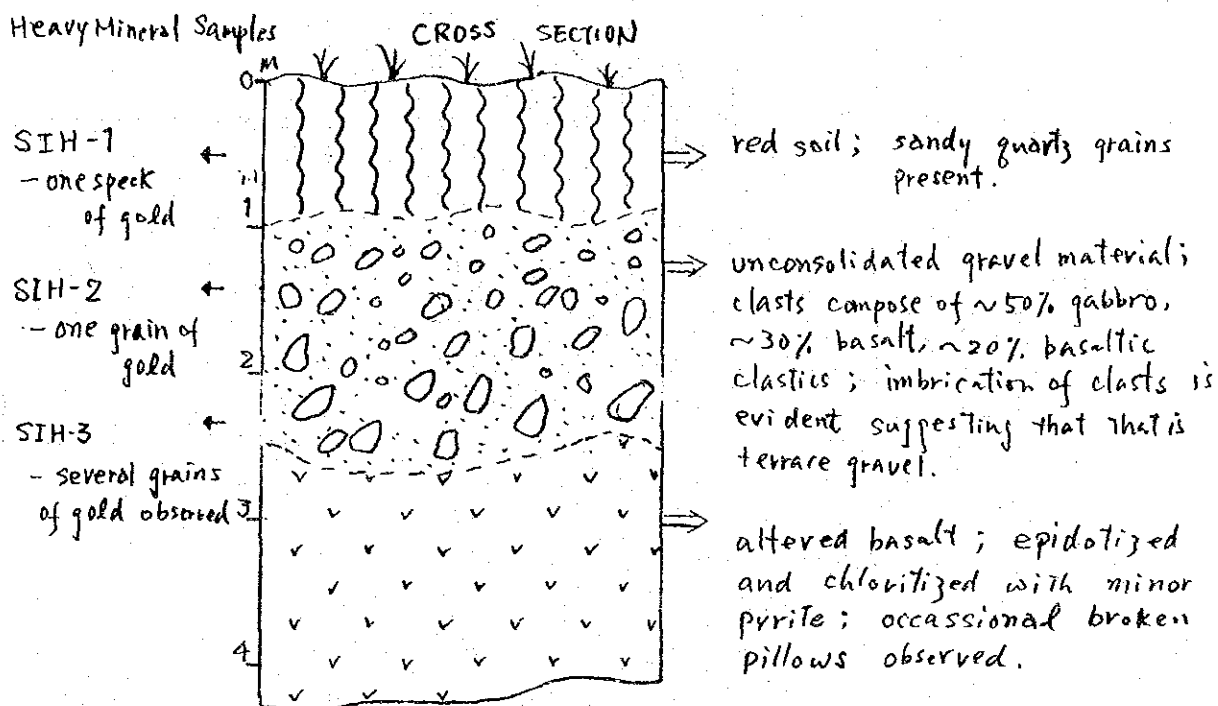
Appendix 8 Results of Whole Rock analysis. Southern Sierra Madre-Polillo Area and Bohol-Siquijor Area

Appendix 9 Sketch of Mineral Showings

SPOT INVESTIGATION NO. 7 (PAPAYA)

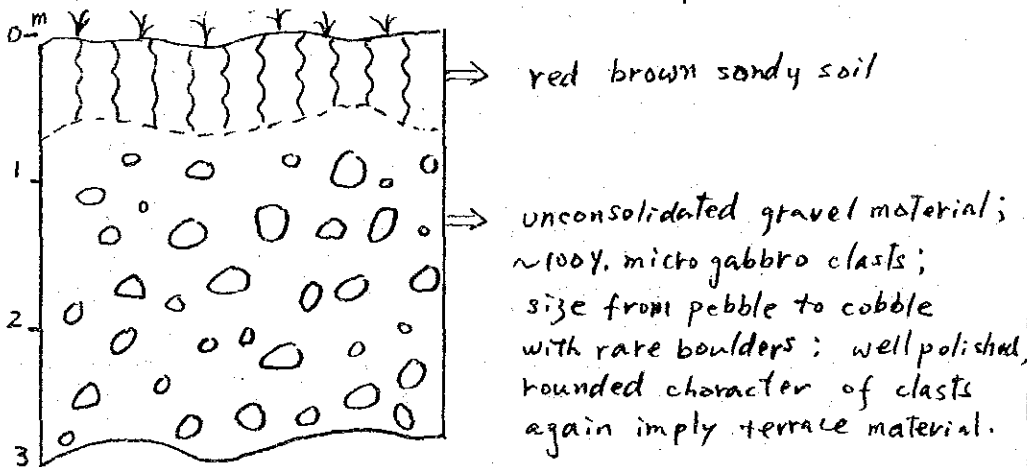
TRENCH 1. LOCATION: PAPAYA CORDRANGLE X: 17,250, Y: 8,400
CABU RIVER

Trench is located at ~25m elevation above present river bed.

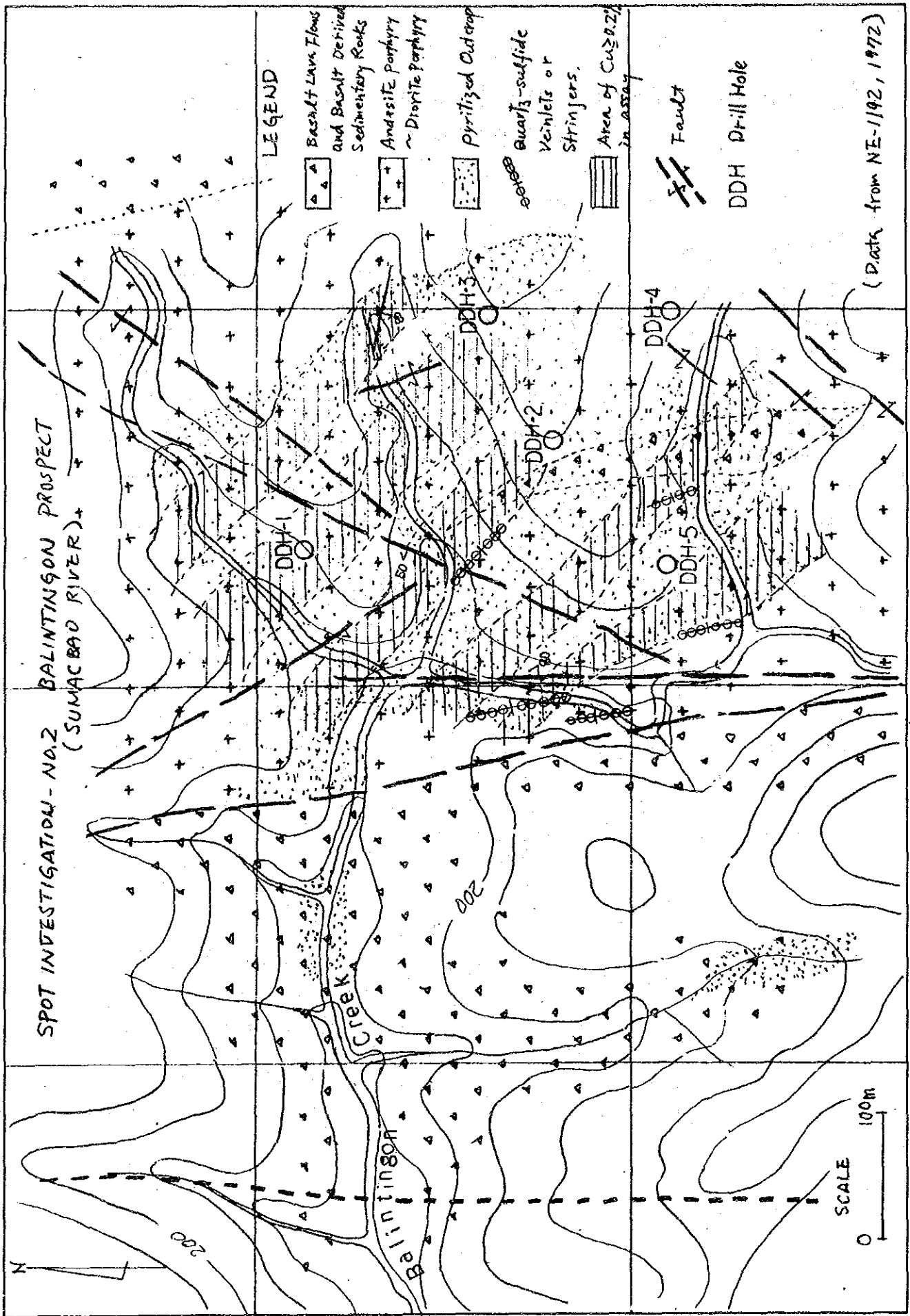


TRENCH 2 LOCATION: PAPAYA CORDRANGLE X: 19,200, Y: 15,800
CABU RIVER








Trench located at ~5m elevation above present river bed



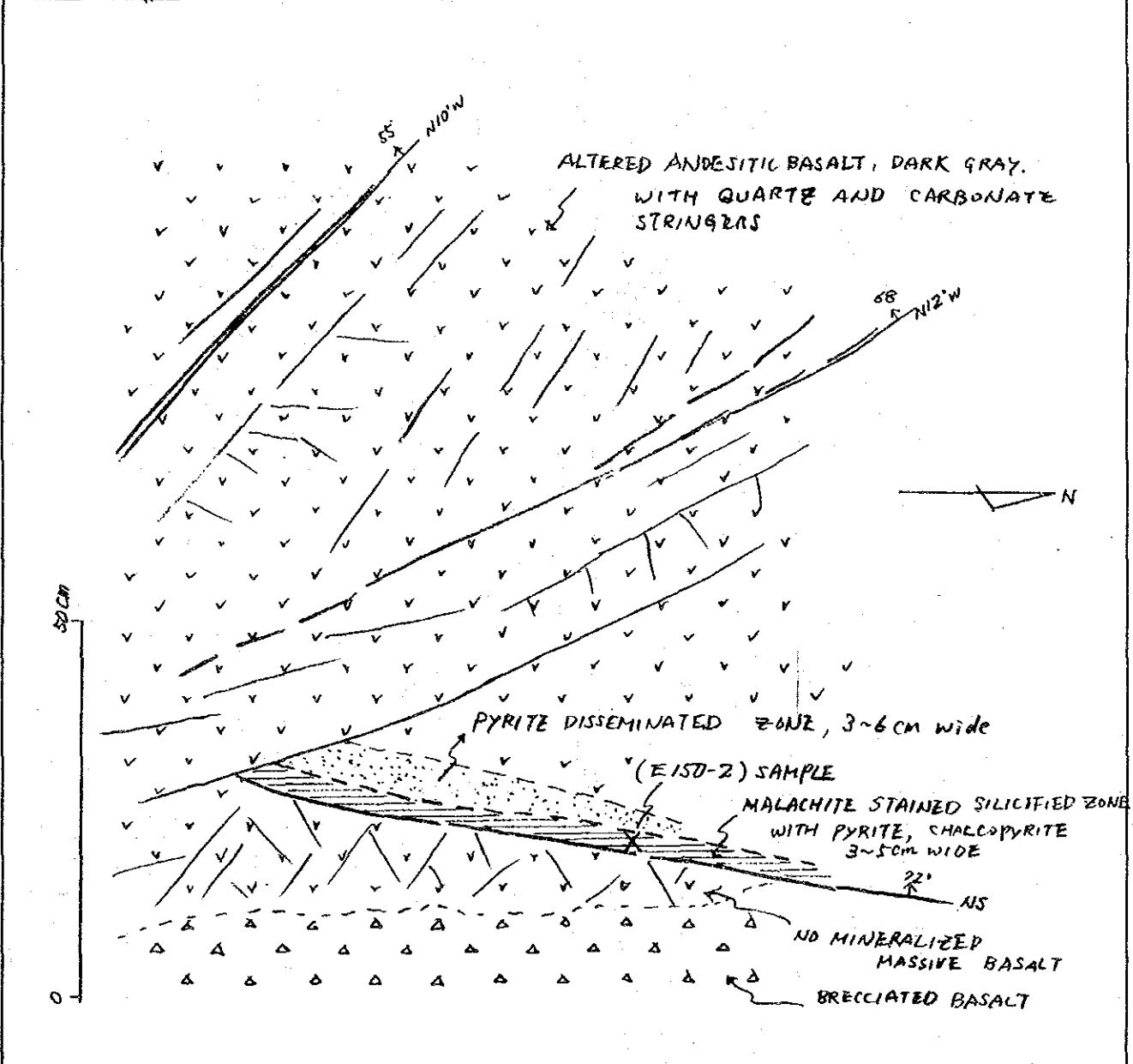
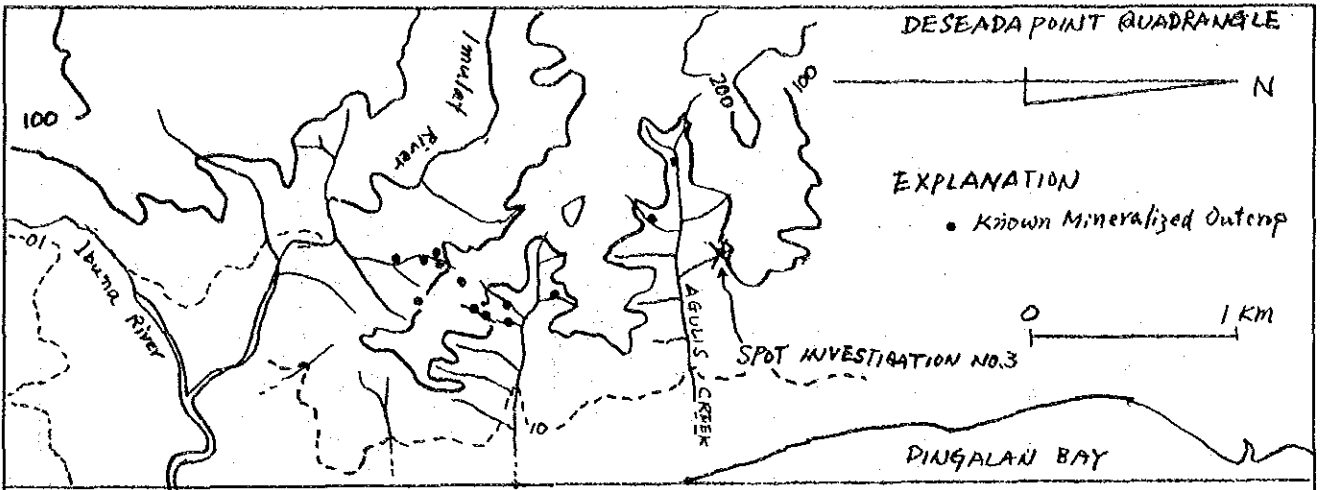
SPOT INVESTIGATION - NO.2 BALINTINGON PROSPECT
(SUMACBAO RIVER)



LEGEND

-  Basalt Lava Flows and Basalt Derived Sedimentary Rocks
-  Andesite porphyry ~ Diorite porphyry
-  Pyritized Outcrop
-  Quartz-sulfide veinlets or stringers.
-  Area of Cu ≥ 0.2% in assay
-  Fault
-  DDH Drill Hole

(Data from NE-1/92, 1972)

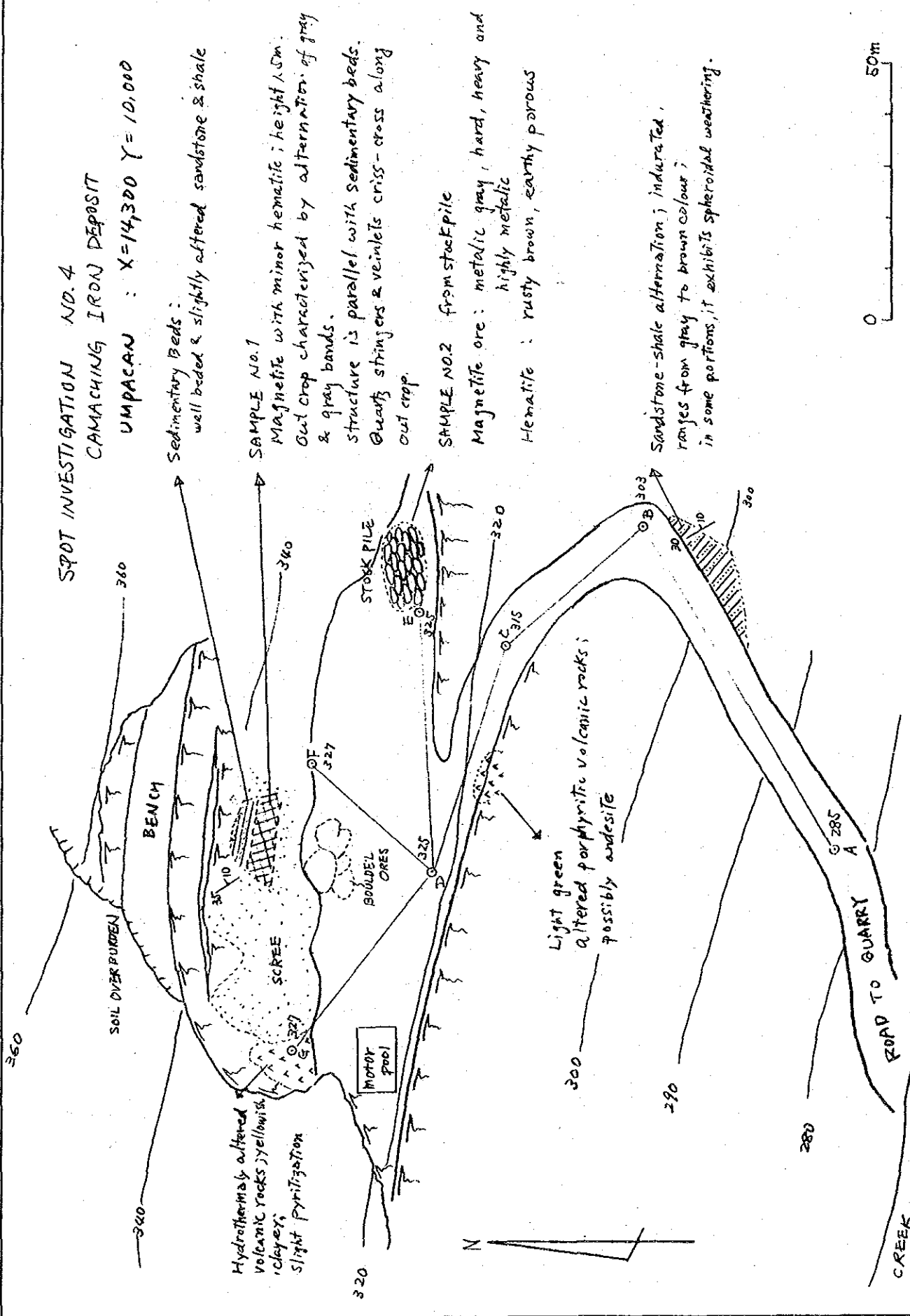


SPOT INVESTIGATION NO. 3 IBUNA COPPER PROSPECT

DESEADA POINT QUADRANGLE X: 12,300
Y: 15,450

SPOT INVESTIGATION NO. 4
CAMACHING IRON DEPOSIT

UMPACAN : X = 14,300 Y = 10,000



Sedimentary Beds:
well bedded & slightly altered sandstone & shale

SAMPLE NO. 1

Magnetite with minor hematite; height 1.0m.
Out crop characterized by alternation of gray & gray bands.
Structure is parallel with sedimentary beds.
Quartz stringers & veinlets criss-cross along out crop.

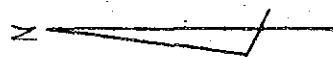
SAMPLE NO. 2 from stockpile

Magnetite ore: metallic gray, hard, heavy and highly metallic
Hematite: rusty brown, earthy porous

Sandstone-shale alternation; indurated, ranges from gray to brown colour; in some portions, it exhibits spheroidal weathering.

Hydrothermally altered volcanic rocks yellowish clayey; slight pyritization

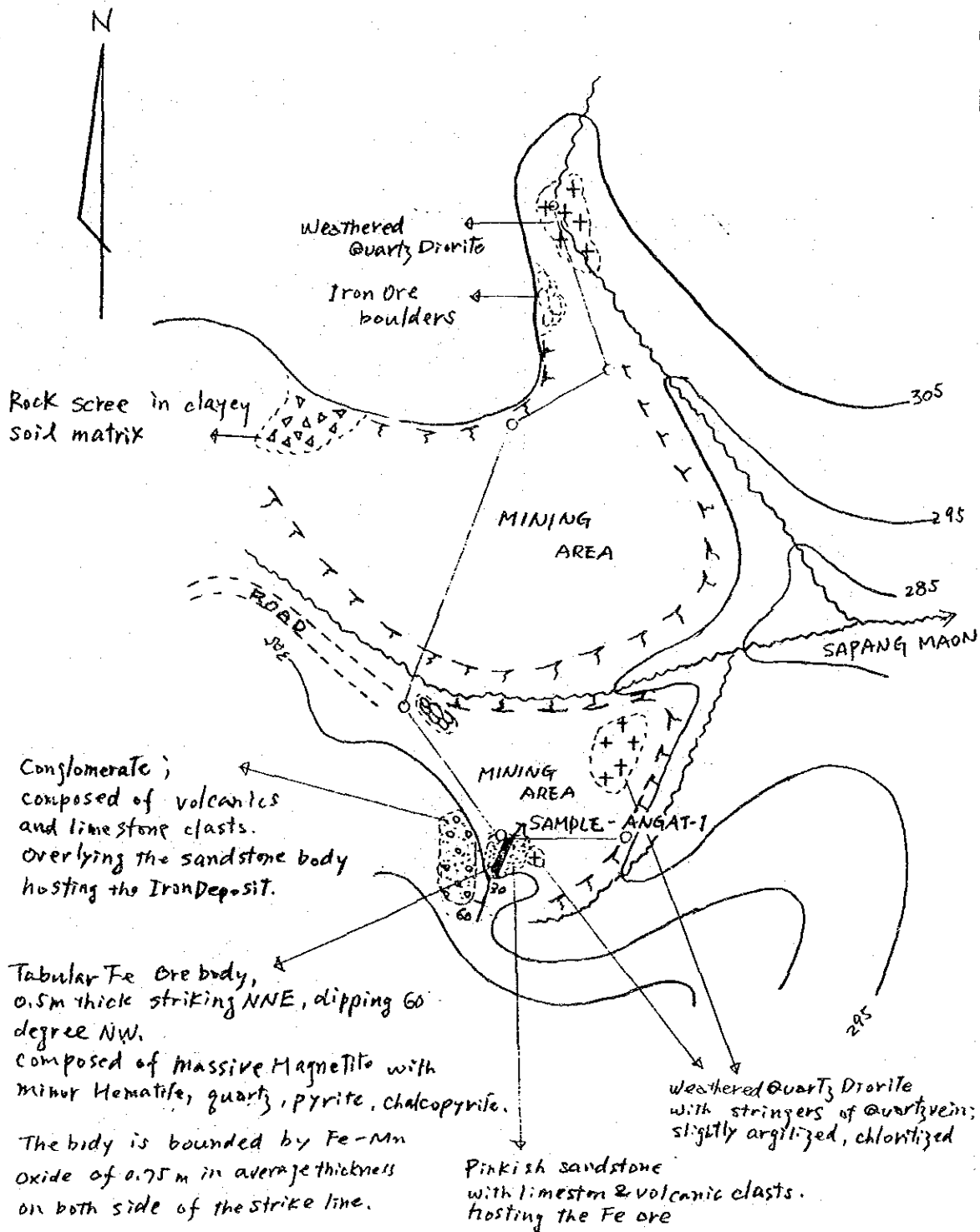
Light green altered porphyritic volcanic rocks; possibly andesite



SPOT INVESTIGATION NO. 5

ANGAT IRON PROSPECT

NORZAGARAY X: 13,750, Y: 16,900



Rock scree in clayey soil matrix

Weathered Quartz Diorite

Iron Ore boulders

MINING AREA

305

295

285

SAPANG MAON

Conglomerate; composed of volcanics and limestone clasts. Overlying the sandstone body hosting the Iron Deposit.

MINING AREA

SAMPLE - ANGAT-1

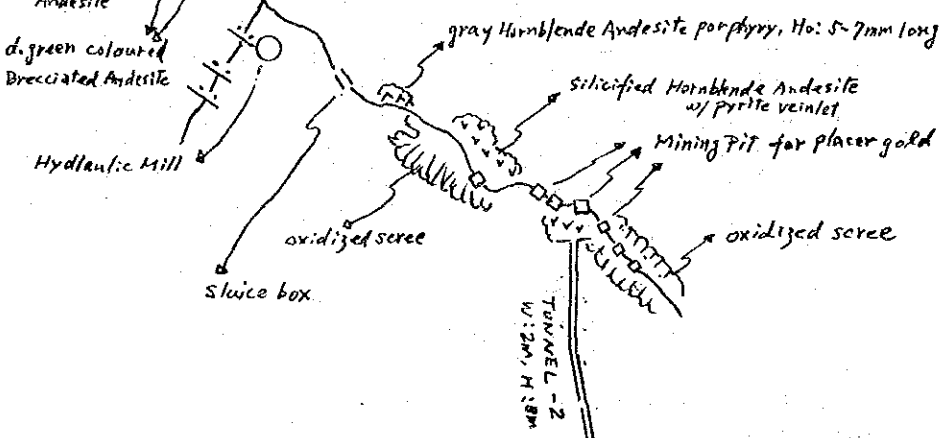
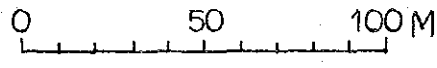
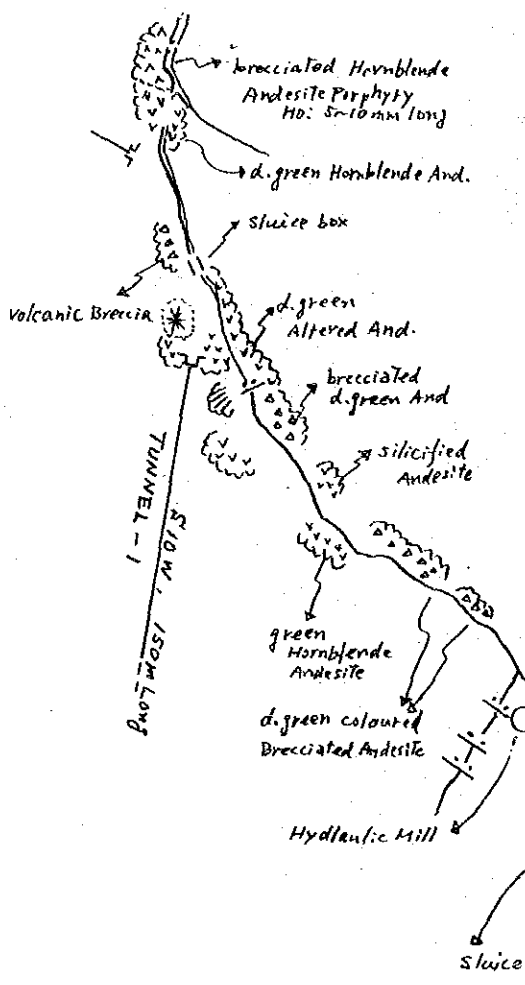
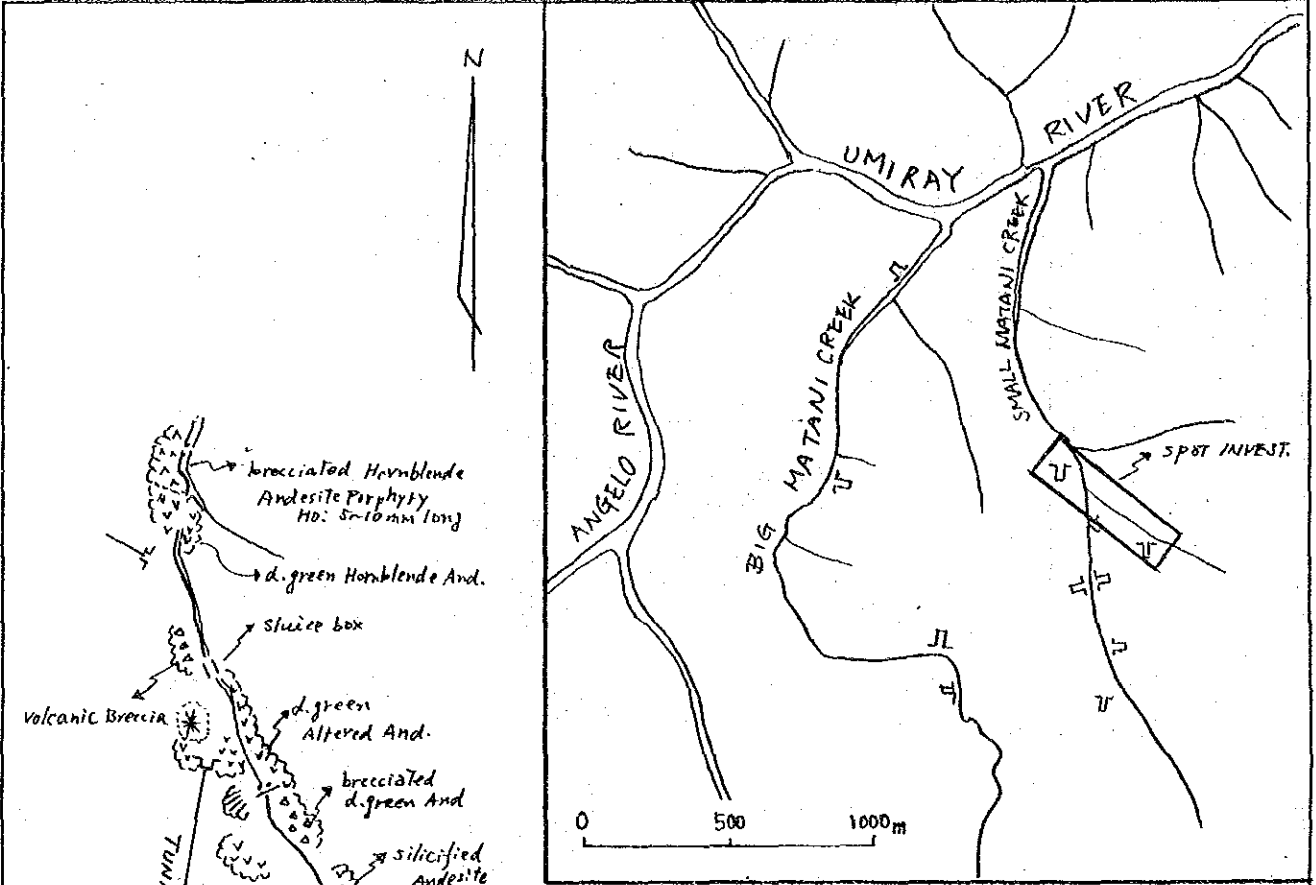
Tabular Fe Ore body, 0.5m thick striking NNE, dipping 60 degree NW. composed of massive Magnetite with minor Hematite, quartz, pyrite, chalcopyrite.

The body is bounded by Fe-Mn oxide of 0.75 m in average thickness on both side of the strike line.

Weathered Quartz Diorite with stringers of quartz veins; slightly argillized, chloritized

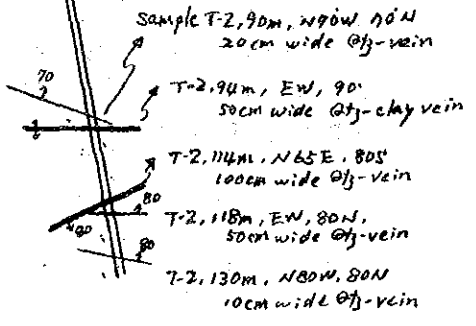
Pinkish sandstone with limestone & volcanic clasts. hosting the Fe ore



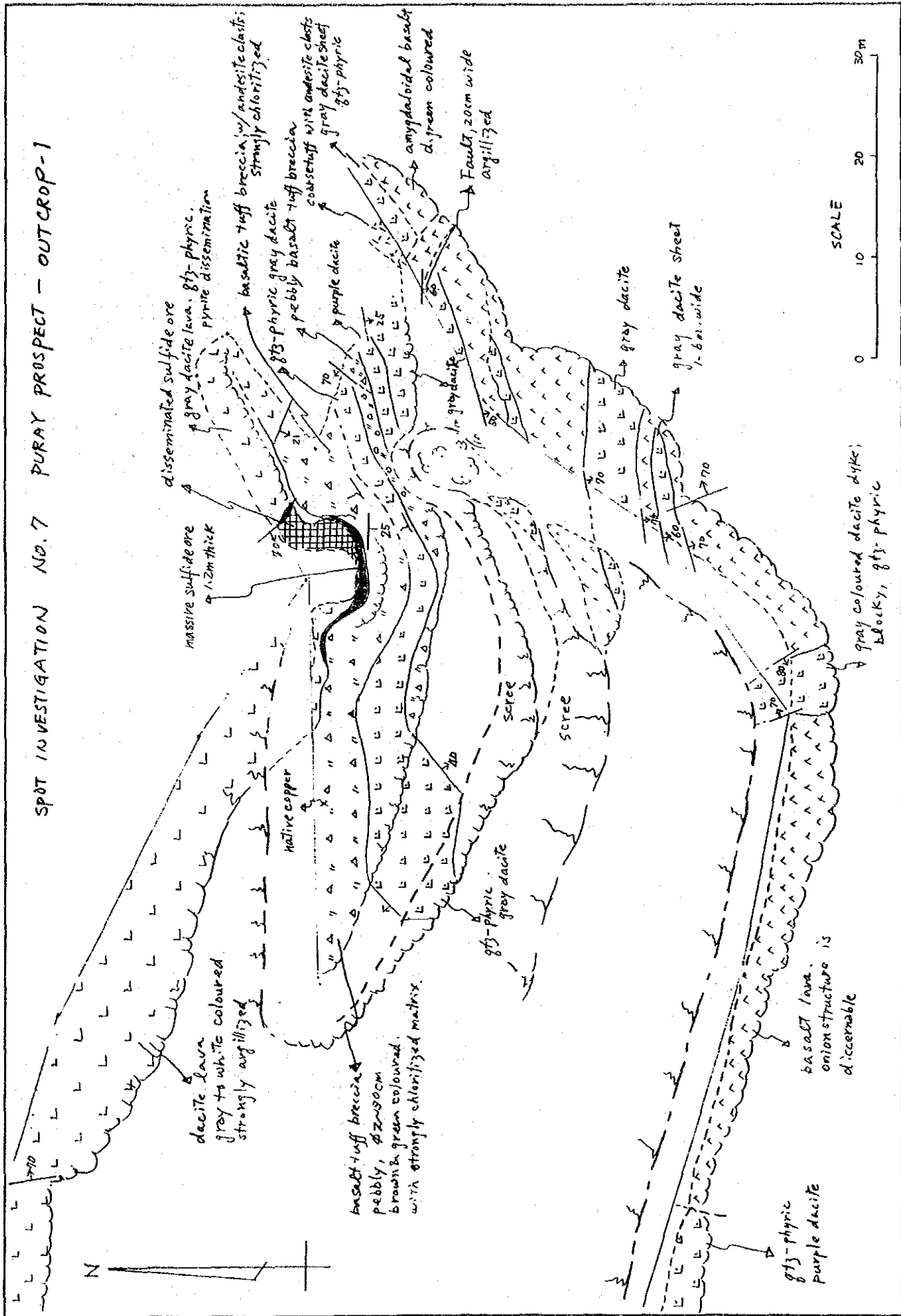


SPOT INVESTIGATION NO. 6
 MARCOPPER MATANI
 GOLD PROSPECT

UMIRAY RIVER X: 11.600, Y: 3000
 QUADRANGLE

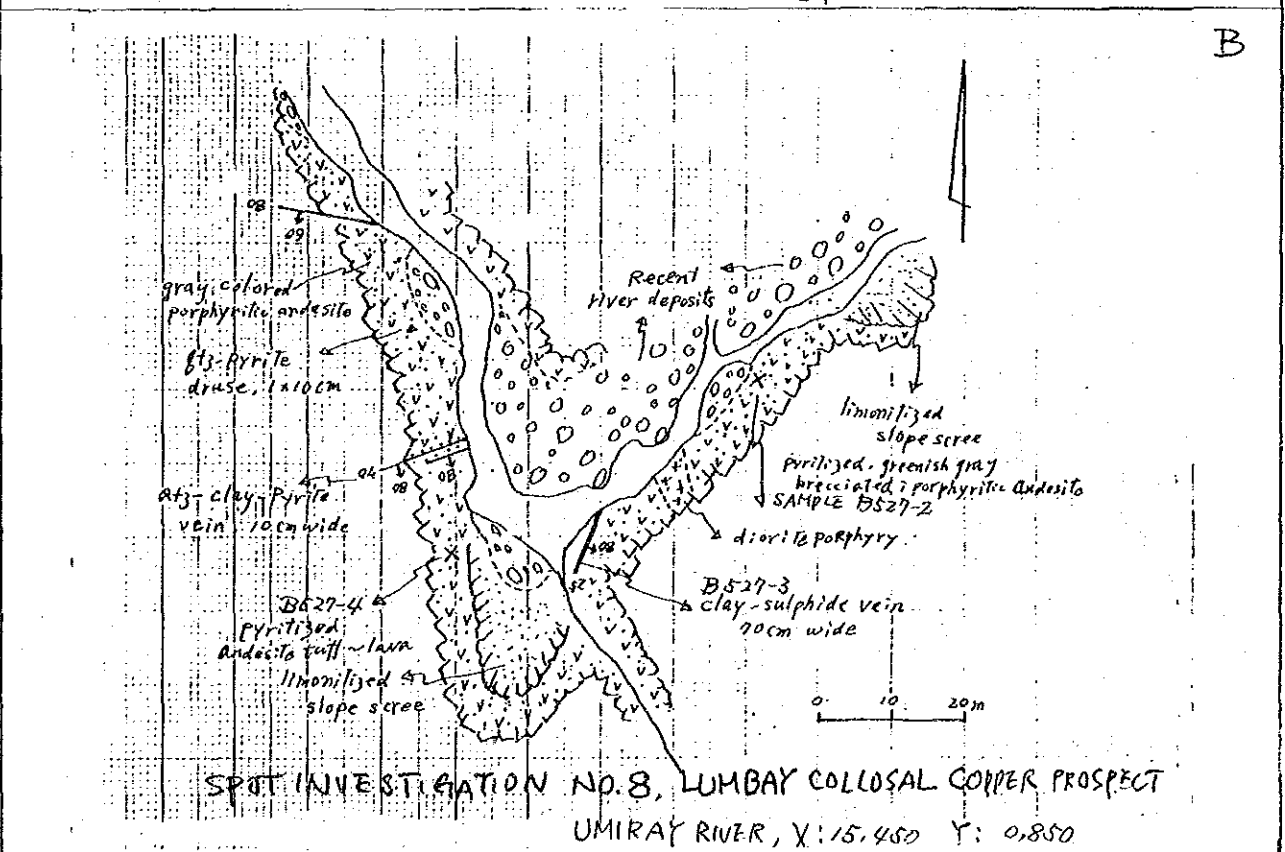
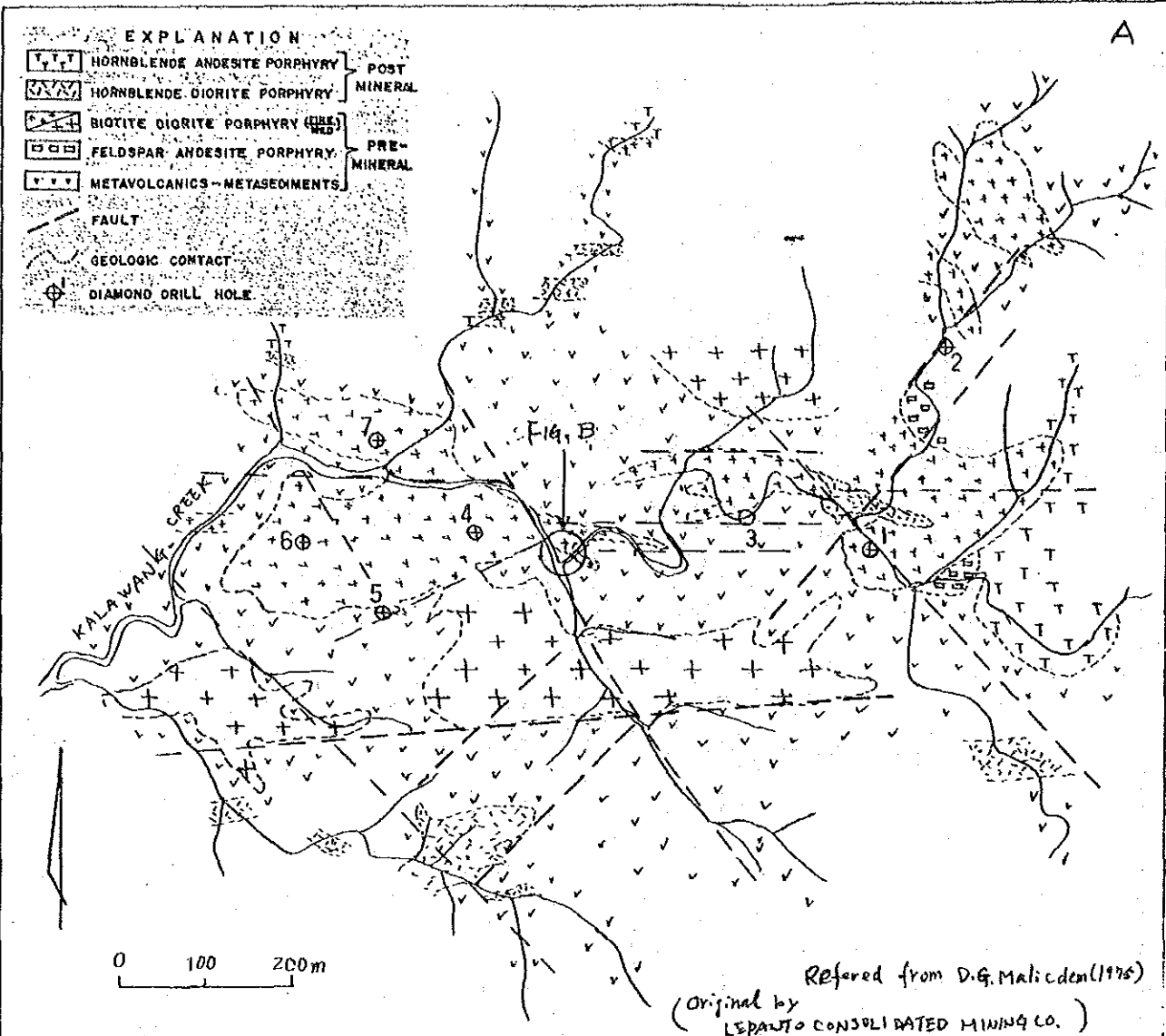


SPOT INVESTIGATION NO. 7 PURAY PROSPECT - OUTCROP-1

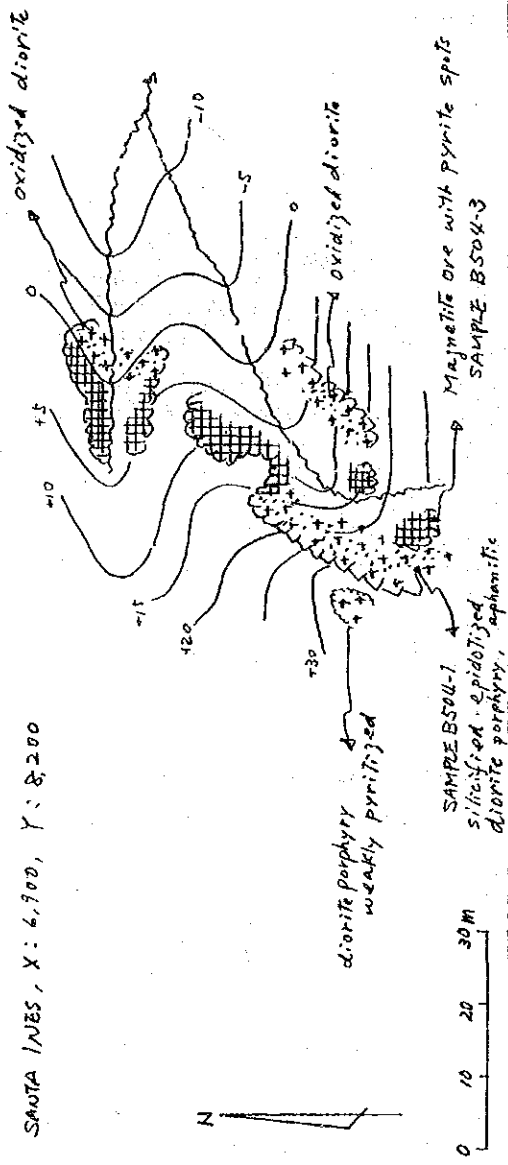


disseminated sulfide ore
 massive sulfide ore 1.2m thick
 native copper
 decite lava gray to white coloured strongly argillized
 basaltic tuff breccia pebbly, 42-50cm brown & green coloured with strongly chloritized matrix
 gray dacite lava, gfs-phyrlic, pyrite dissemination
 basaltic tuff breccia, w/ andesite clasts, strongly chloritized
 gfs-phyrlic gray dacite
 pebbly basalt tuff breccia coarsestuff with andesite clasts gray dacite sheet gfs-phyrlic
 purple dacite
 amygdaloidal basalt d. green coloured
 Fault, 20cm wide argillized
 gray dacite
 gray dacite sheet 1.6m wide
 gray coloured dacite dyke; blocky, gfs-phyrlic
 basalt lava. onion structure is discernable
 gfs-phyrlic purple dacite
 gfs-phyrlic gray dacite
 scree
 scree

SCALE 0 10 20 30m



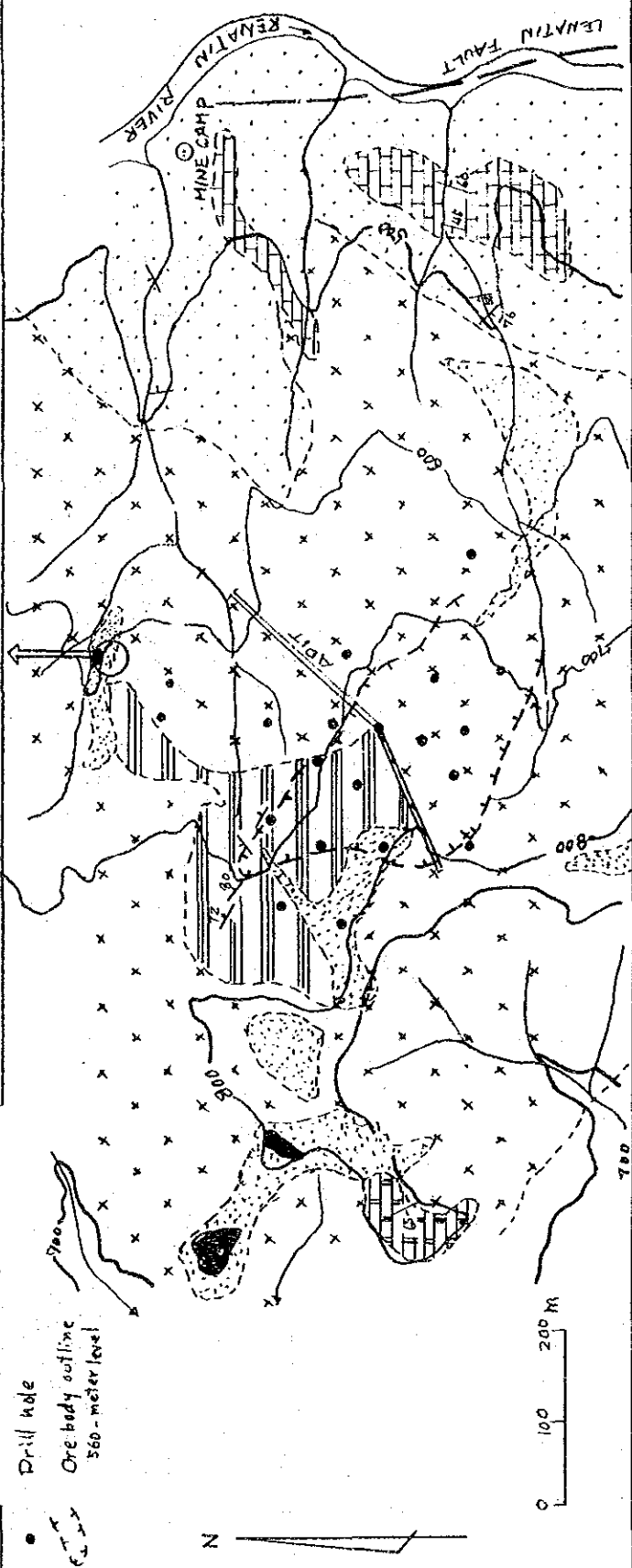
SPOT INVESTIGATION-NO. 10 SANTA INES IRON DEPOSITS



GEOLOGICAL MAP OF SANTA INES IRON DEPOSITS

(modified from Antonio et al., 1981)

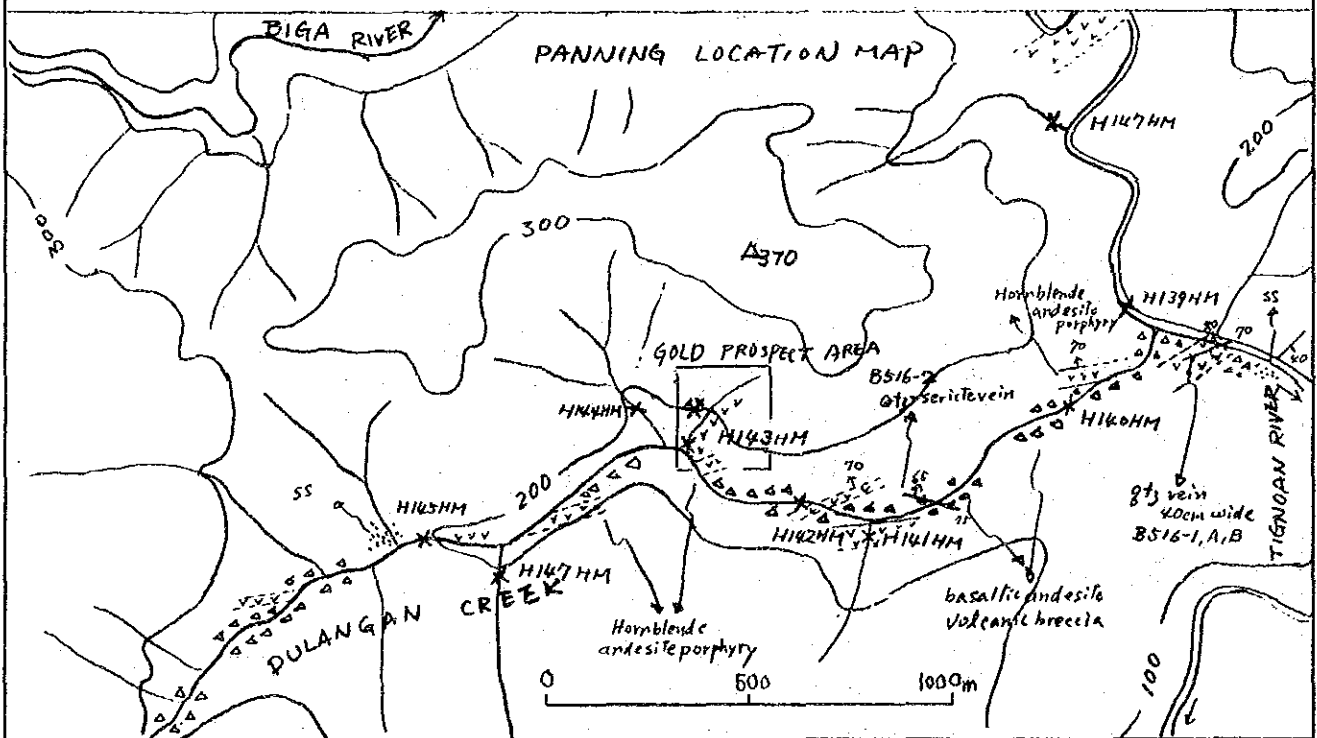
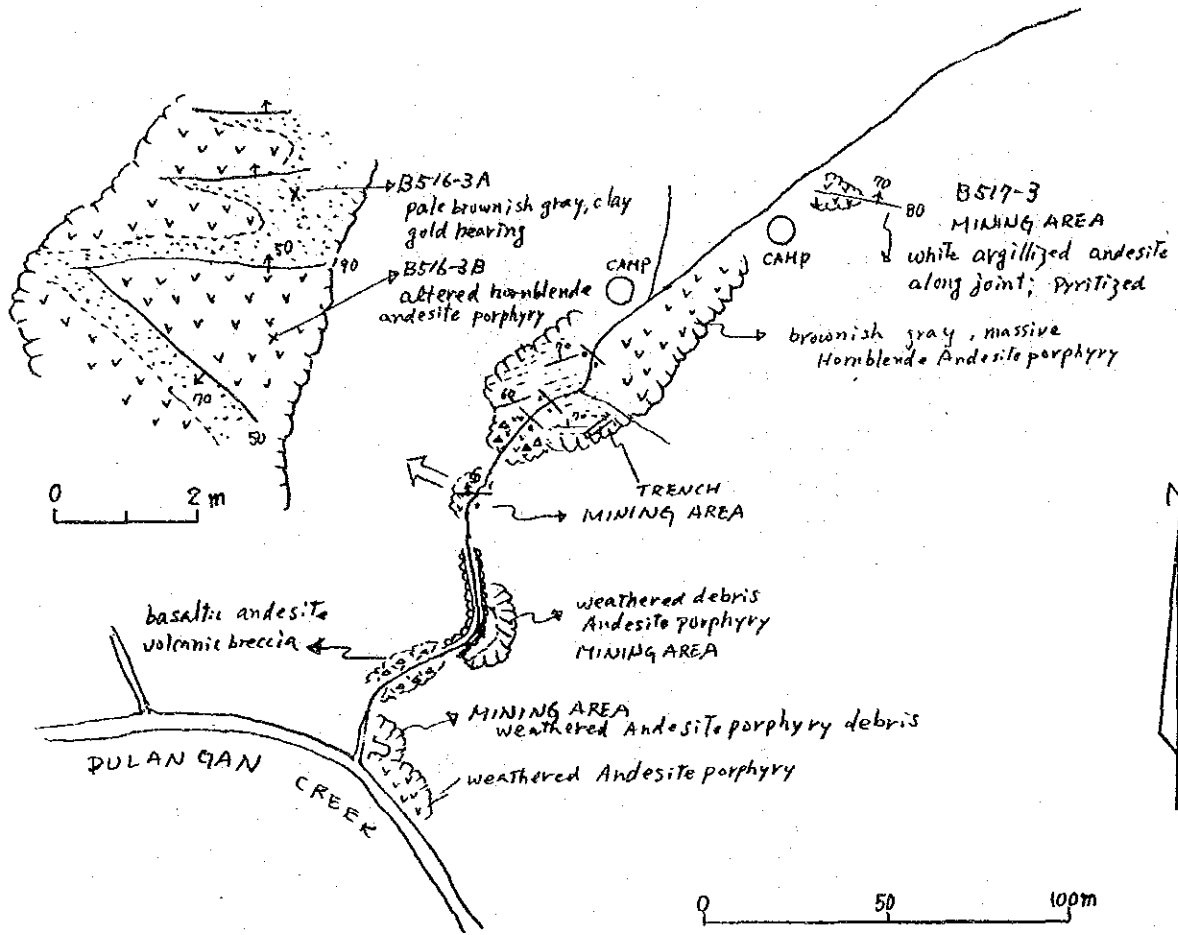
- Diorite
- Marbleized limestone
- Miocene clastics
- Eocene marble
- Eocene clastics
- Scarn
- Iron outcrops and deposit
- Drill hole
- Ore body outline 560-meter level

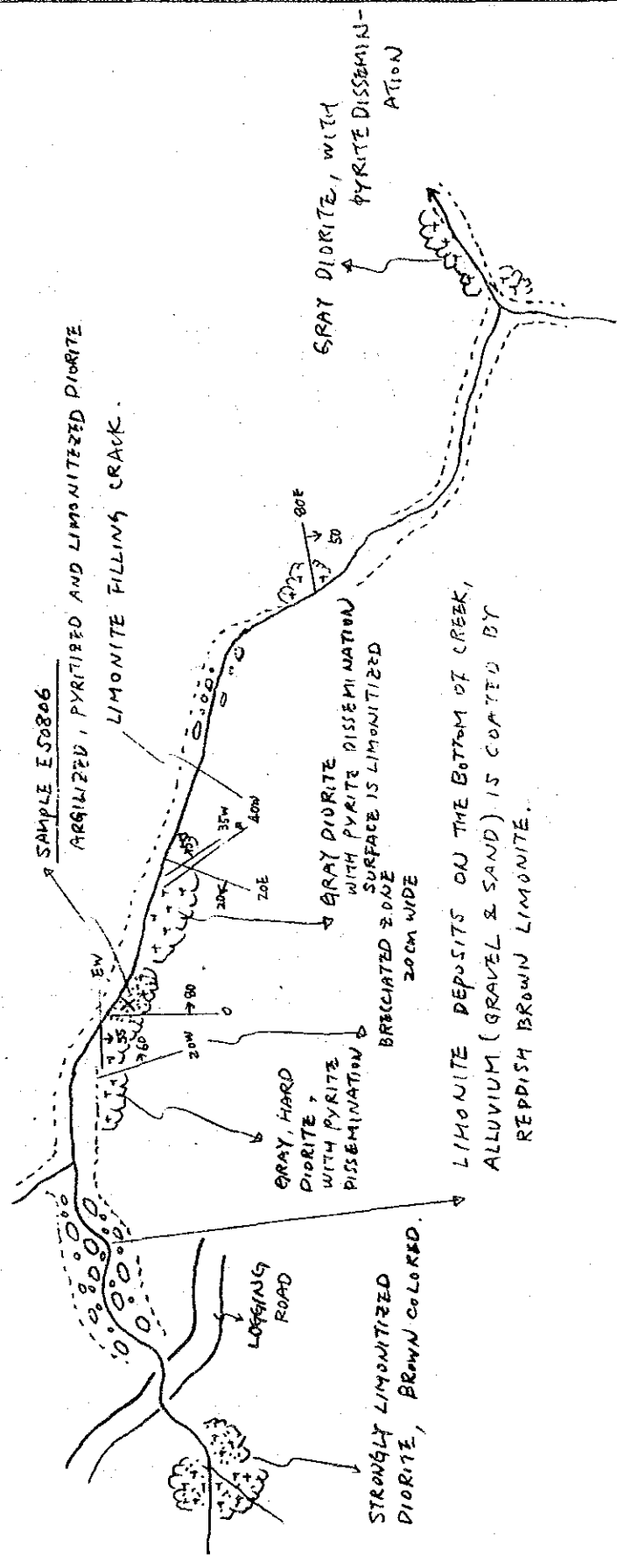
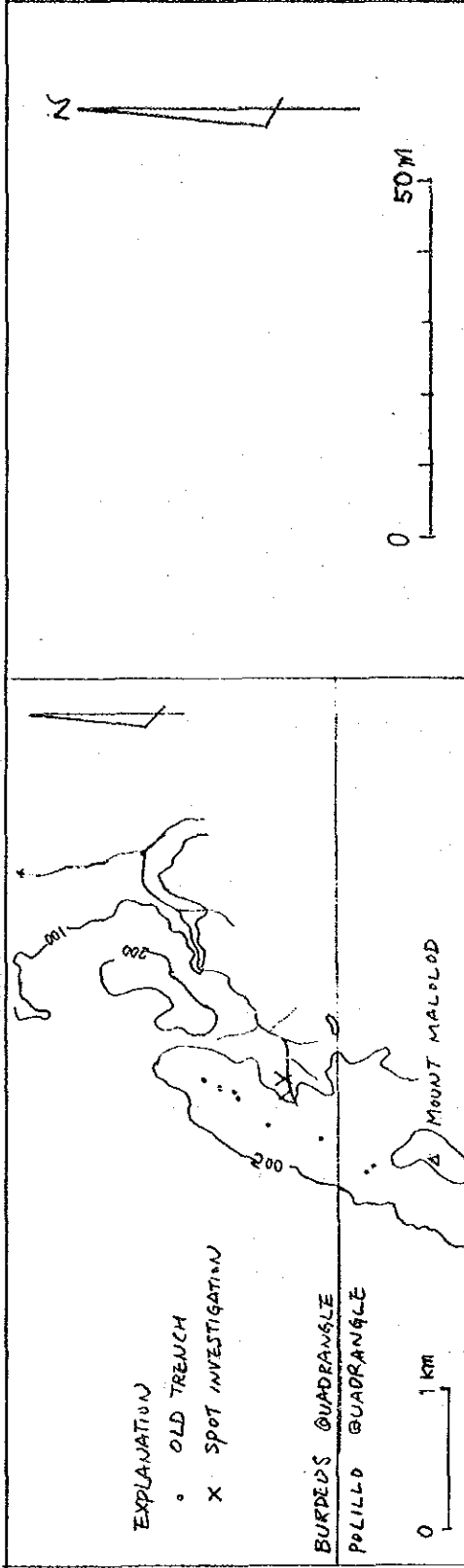


SPOT INVESTIGATION No. 11

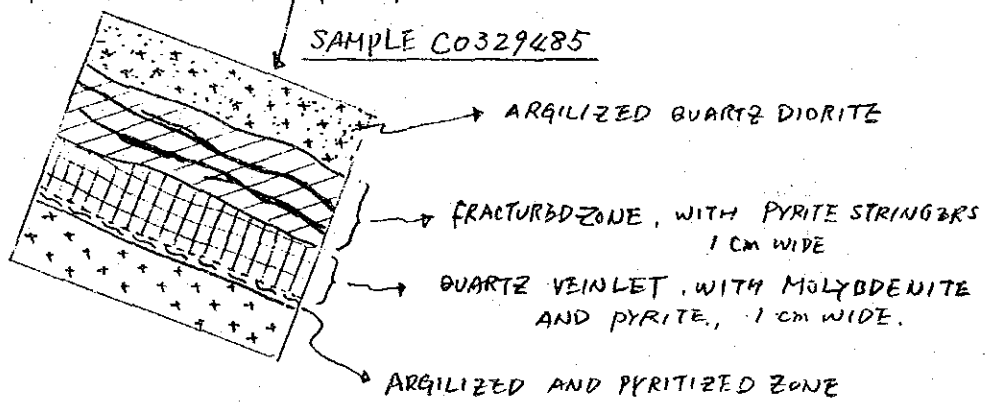
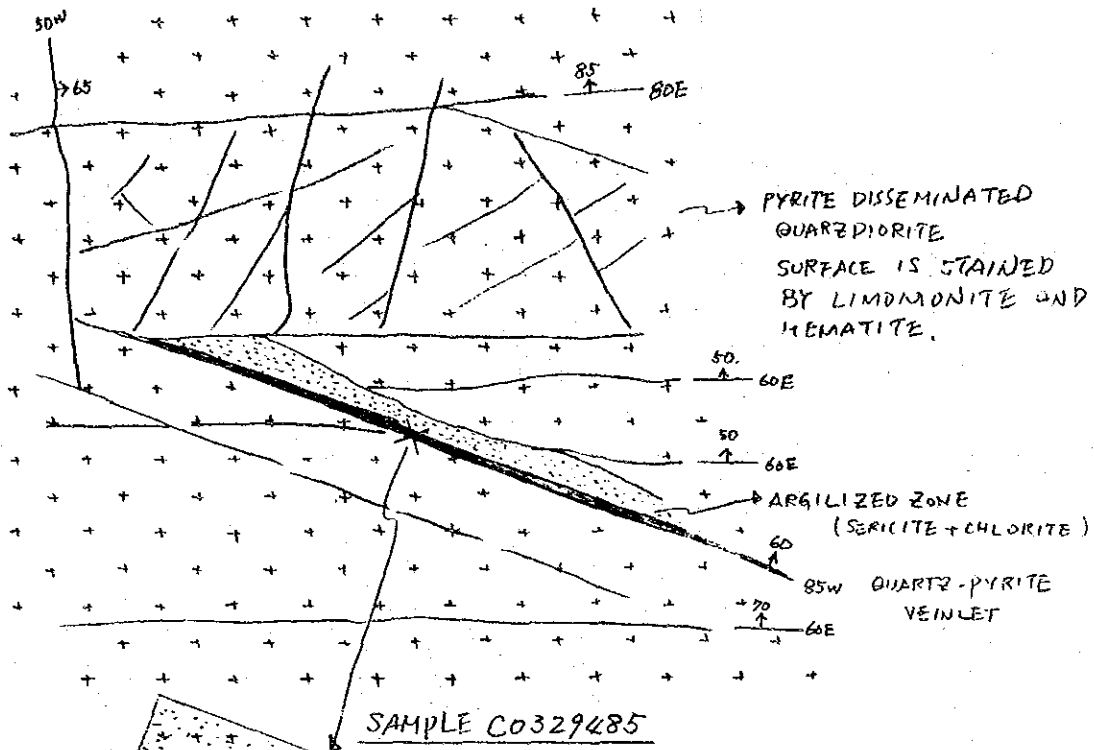
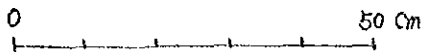
DULANGAN GOLD PROSPECT, TIGNOAN RIVER

REAL, X: 6,250, Y: 8,650





SPOT INVESTIGATION NO. 12, MT. MALOLOD IRON PROSPECT
BURDEOS QUADRANGLE, X: 21,300, Y: 0,400



SPOT INVESTIGATION NO. 13, MARCOPPER POLILLO PROSPECT

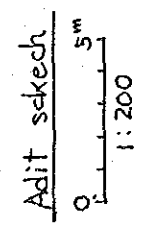
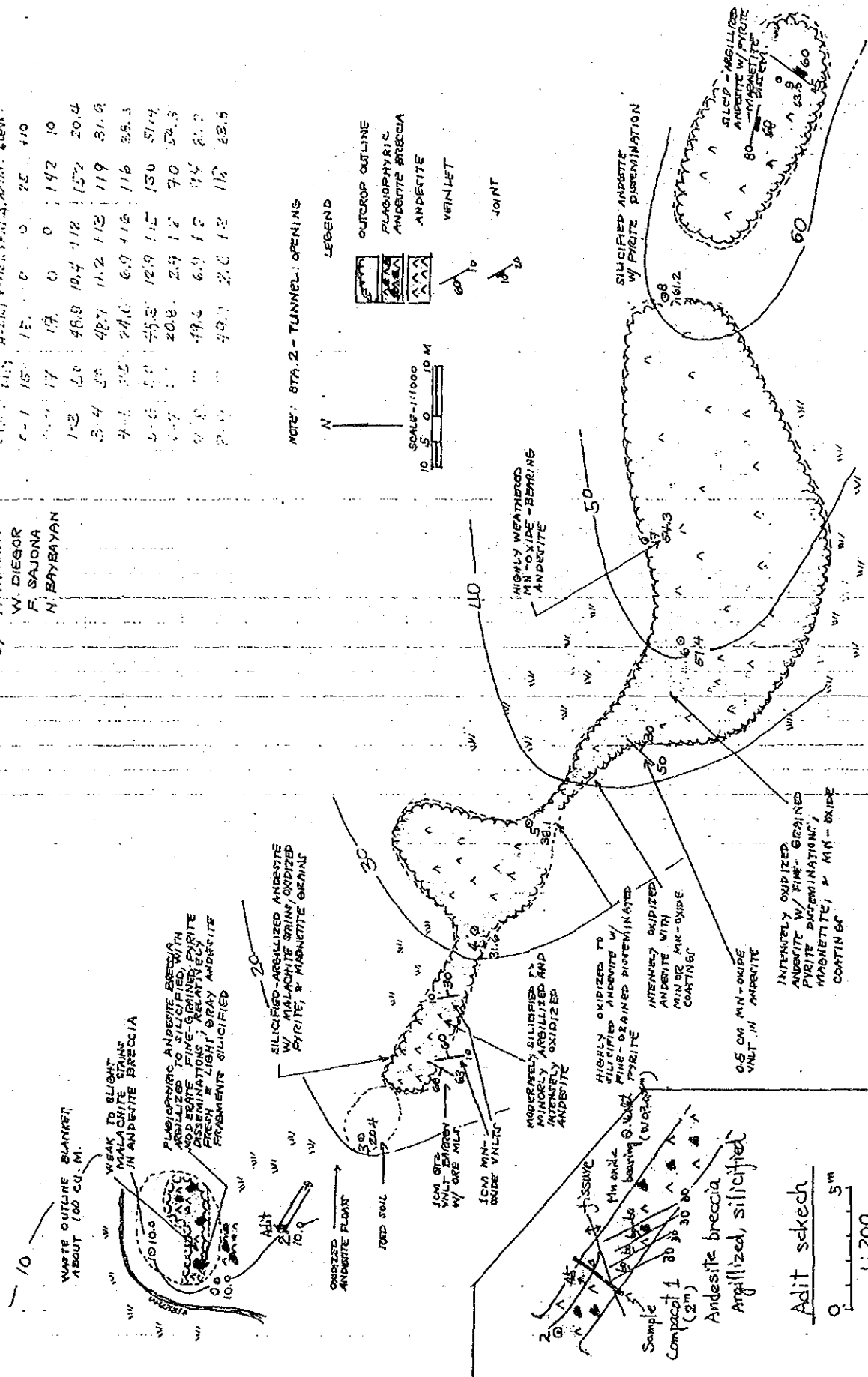
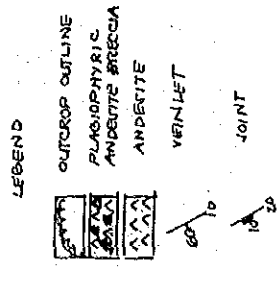
POLILLO QUADRANGLE X: 26000, Y: 13,100

2. CAMPACOT CU

MAY 22, 1985
 by T. YAMADA
 W. DIEGOR
 F. SAJONA
 N. BAYBAYAN

STATION	ELEVATION	DEPTH	DIAMETER	LENGTH	PERIMETER	AREA	VOLUME
1-1	15.0	0	0	25	1.57	0.00	0.00
1-2	17.0	0	0	142	10.0	0.00	0.00
1-3	20.4	112	152	20.4	10.0	1.57	0.00
1-4	21.6	112	119	31.6	10.0	1.57	0.00
1-5	24.0	69	116	35.3	10.0	1.57	0.00
1-6	25.3	129	130	51.4	10.0	1.57	0.00
1-7	20.8	29	70	22.3	10.0	1.57	0.00
1-8	19.5	69	94	21.0	10.0	1.57	0.00
1-9	19.0	20	12	12	10.0	1.57	0.00

NOTE: STA. 2 - TUNNEL OPENING

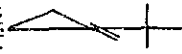
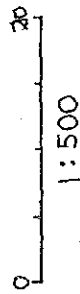


May 21 1985






4. Baas Cu

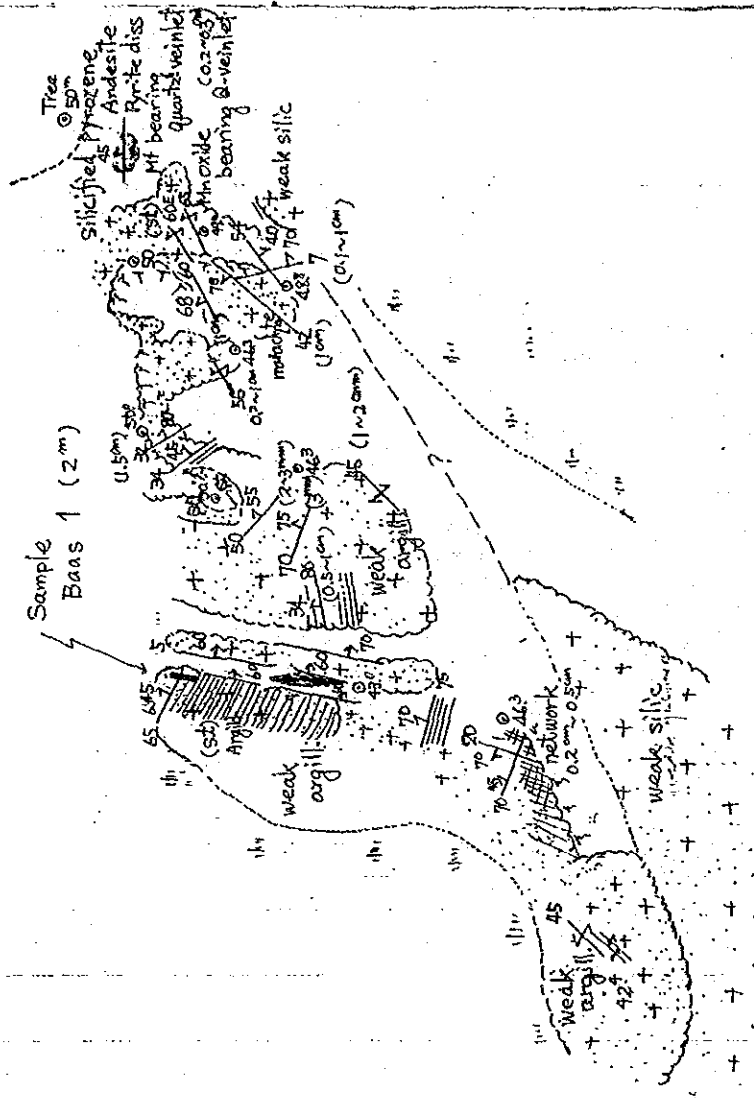
by
 T. YAMADA
 W. DIEGOR
 F. SAJONA
 N. BAYBAYAN

M.N.

LEGEND

-  diorite
-  pyroxene andesite
-  (10mm) quartz-veinlet with width
-  fissure
-  silicified altered area (strony)



No5, Laka, Cu

Scale 1:1,000

21. May.

R. OTSU'BO.
R. MIRANDA.
L. MORALES.



LEDEND

+ + diorite

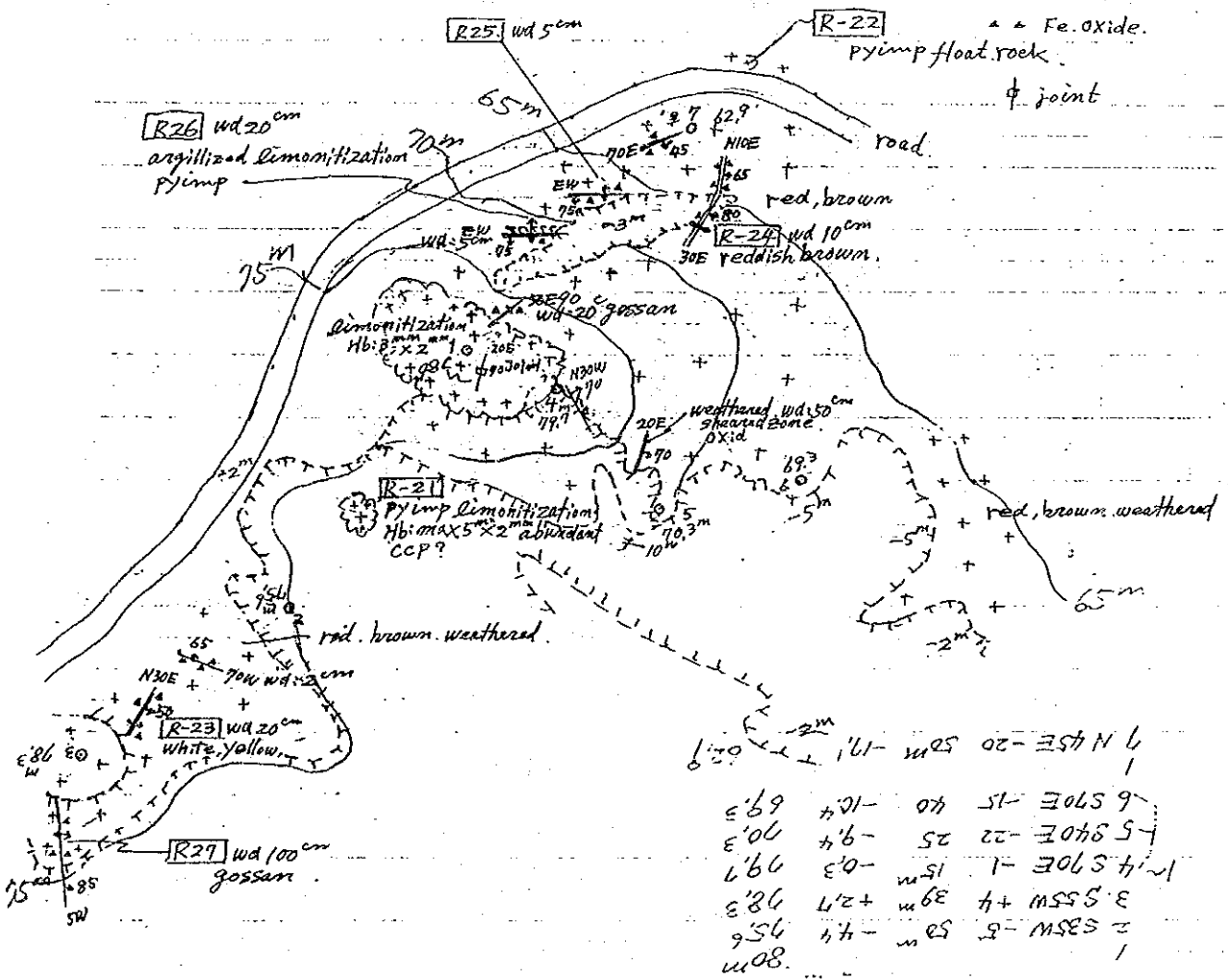
fissure

Δ cut plane

Δ Fe. oxide.

Δ Pyimp float rock

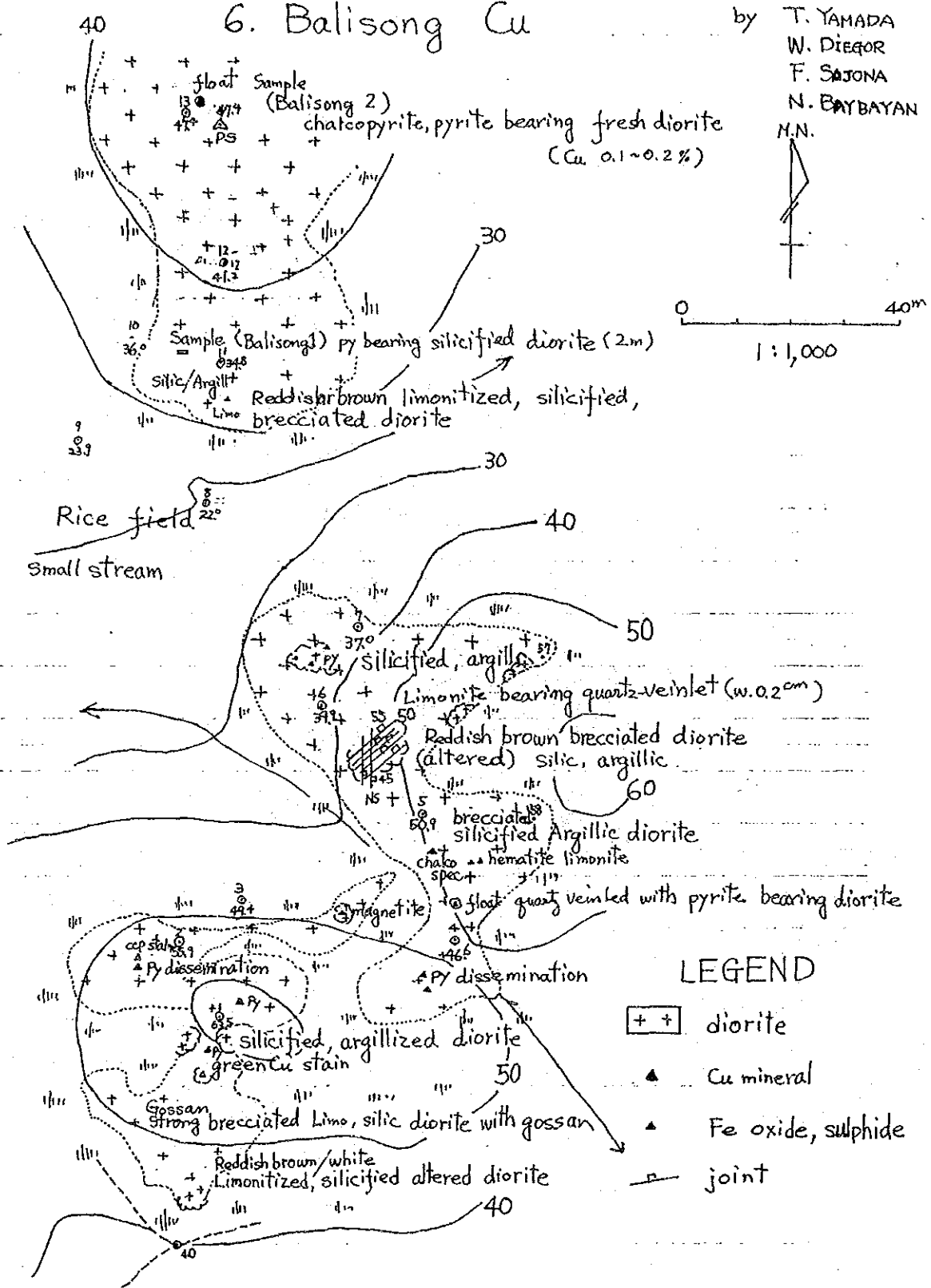
ϕ joint



May 21 1985

6. Balisong Cu

by T. YAMADA
W. DIEGOR
F. SAJONA
N. BAYBAYAN

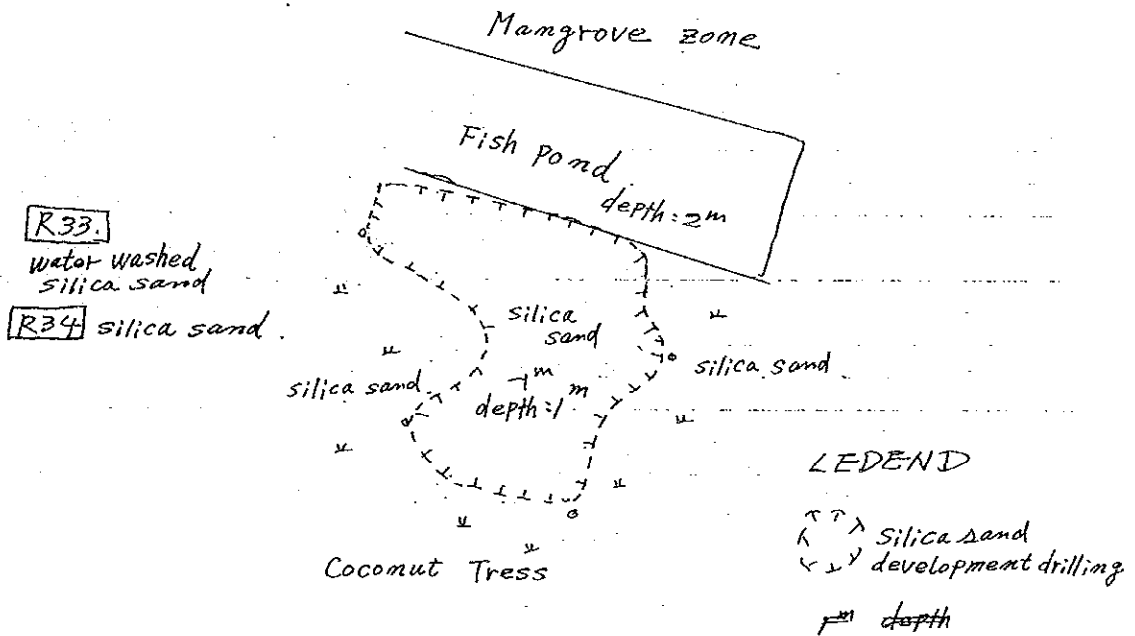


No 7. Talibom

(San Francisco) (silica sand)



Scale 1:500



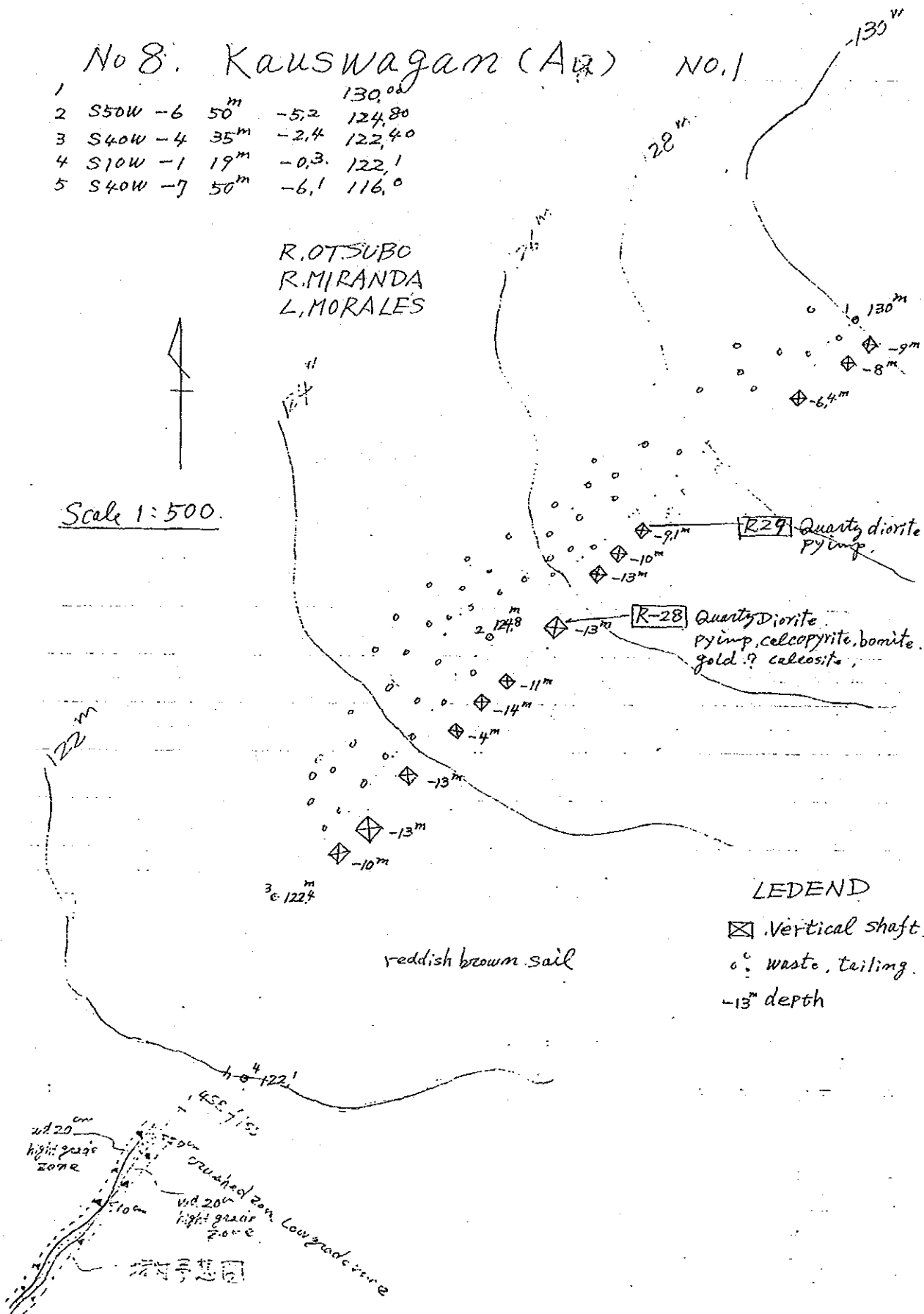
No 8. Kauswagam (A2) NO.1

1				130.00
2	S50W -6	50 ^m	-5.2	124.80
3	S40W -4	35 ^m	-2.4	122.40
4	S10W -1	19 ^m	-0.3	122.1
5	S40W -7	50 ^m	-6.1	116.0

R. OTSUBO
R. MIRANDA
L. MORALES



Scale 1:500.



LEDEND

- ⊠ Vertical shaft
- waste, tailing
- 13^m depth

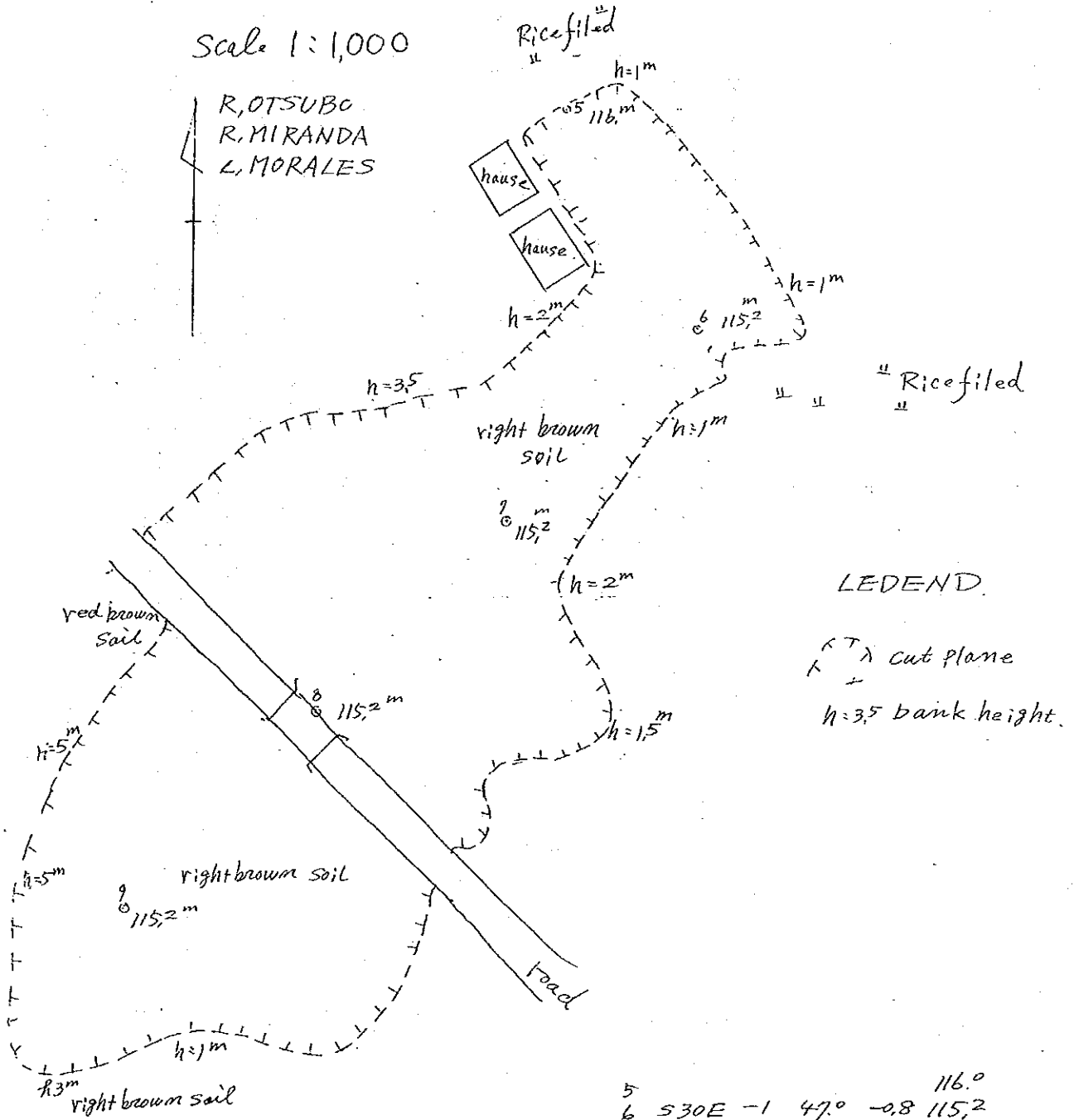
reddish brown soil

450-7/15
crushed zone low grade zone
high grade zone
10m
10m
10m

No. 8. Kauswagam (Au) Panning area (No2)

Scale 1:1,000

R, OTSUBO
R, MIRANDA
L, MORALES



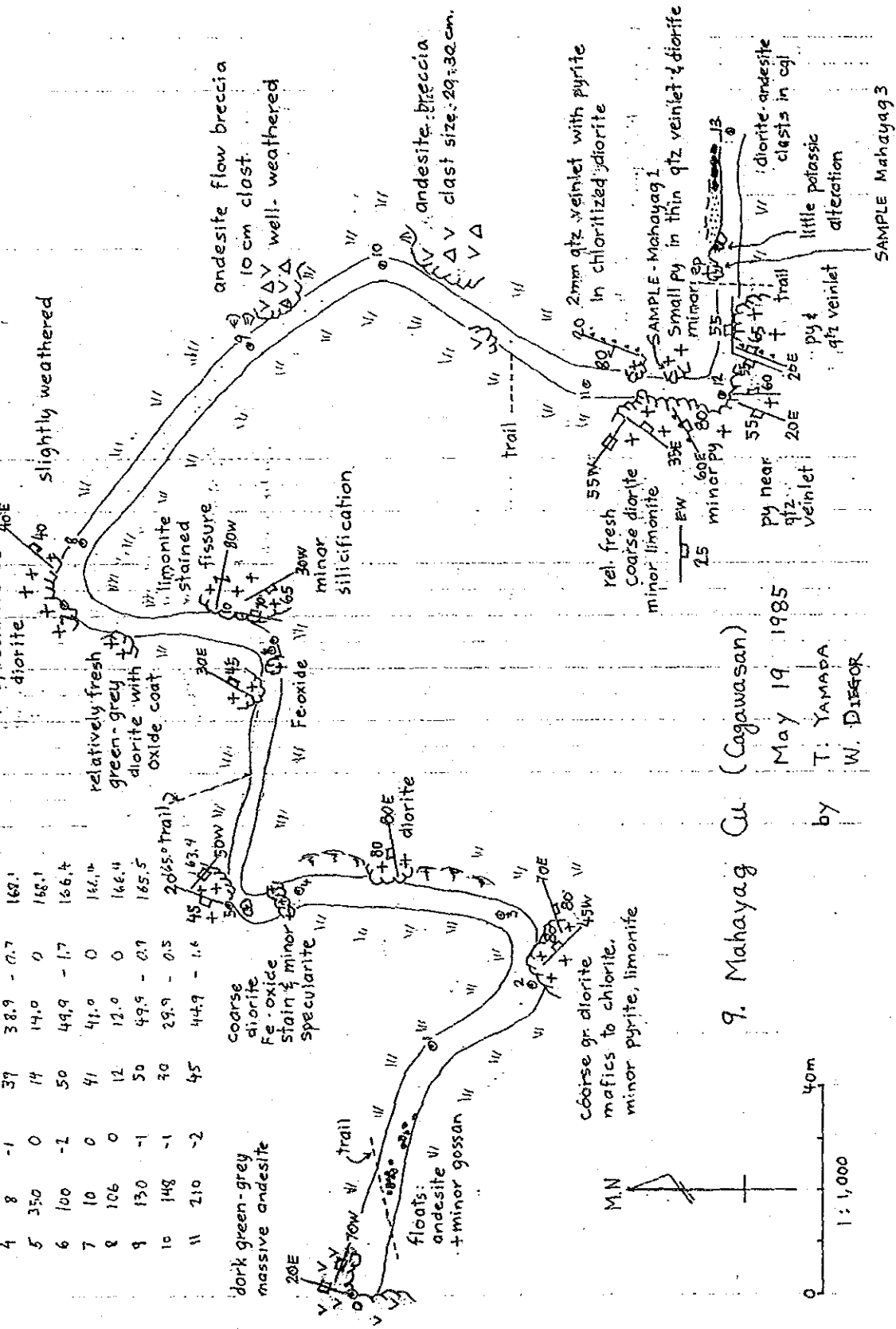
LEDEND.

cut plane
 h=3,5 bank height.

5				116,0
6	S30E	-1	47,0	-0,8 115,2
7	S45W	0	50	- 115,2
8	S45W	0	50	- 115,2
9	S45W	0	50	- 115,2

Elev. 170m

D	A	Dist	49.9	0.9	169.1	Dist	A	Dist
0-1	118	-1	49.9	-0.9	169.1	12	185	26
2	148	0	22.0	0	169.1	13	92	50
3	66	-1	14.9	-0.3	168.8			
4	8	-1	38.9	-0.7	168.1			
5	350	0	14.0	0	168.1			
6	100	-2	49.9	-1.7	166.4			
7	10	0	41.0	0	161.1			
8	106	0	12.0	0	146.4			
9	130	-1	49.9	-0.7	165.5			
10	148	-1	29.9	-0.5	206.5 (trail)			
11	210	-2	44.9	-1.6	163.4			



9. Mahayag Cu (Cagawasan)
 May 19 1985
 T. YAMADA
 by W. DISSOR

SAMPLE Mahayag 3

D	A	Dist			
14	142	0	24	0	161.7
15	165	-2	50	49.9	-1.7
16	188	0	19	19	0

160m

LEGEND



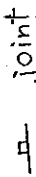
diorite



andesite



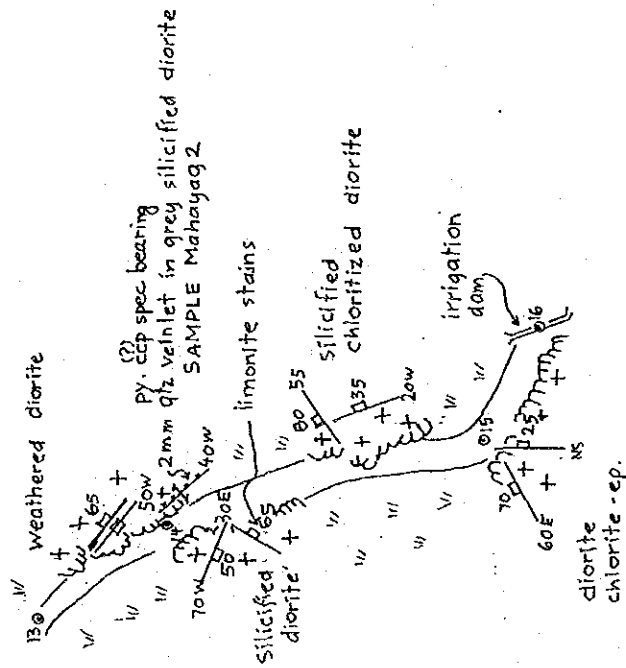
clast



joint



pyrite dissemination



No. 2 Sakech

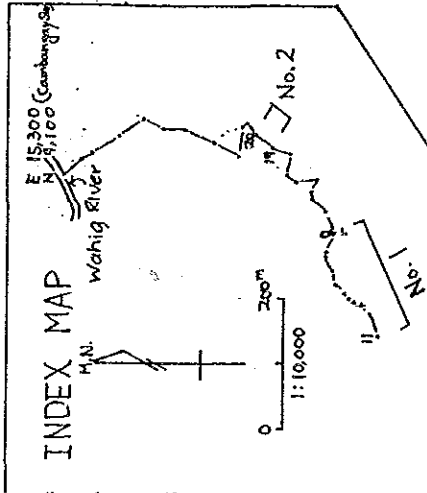
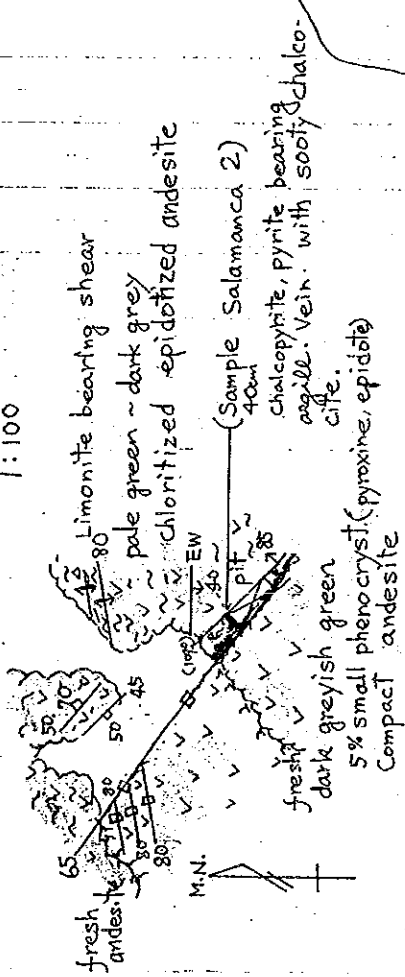
May 18 1985

by T. YAMADA
W. DIEZOR

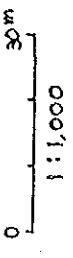
0-1	209	44	30	2/125
2	209	45	9	2.8
3	209	49	28	2.0
4	258	420	6	2.1
5	260	712	17	2.4
6	228	712	17	4.4
7	215	432	12	6.4
8	208	415	8	2.1
9	195	48	14	1.9
10	228	416	15	4.1
11	250	419	37	12.1

LEGEND

- Andesite
- sheared, fractured
- fissure
- Joint
- Old pit



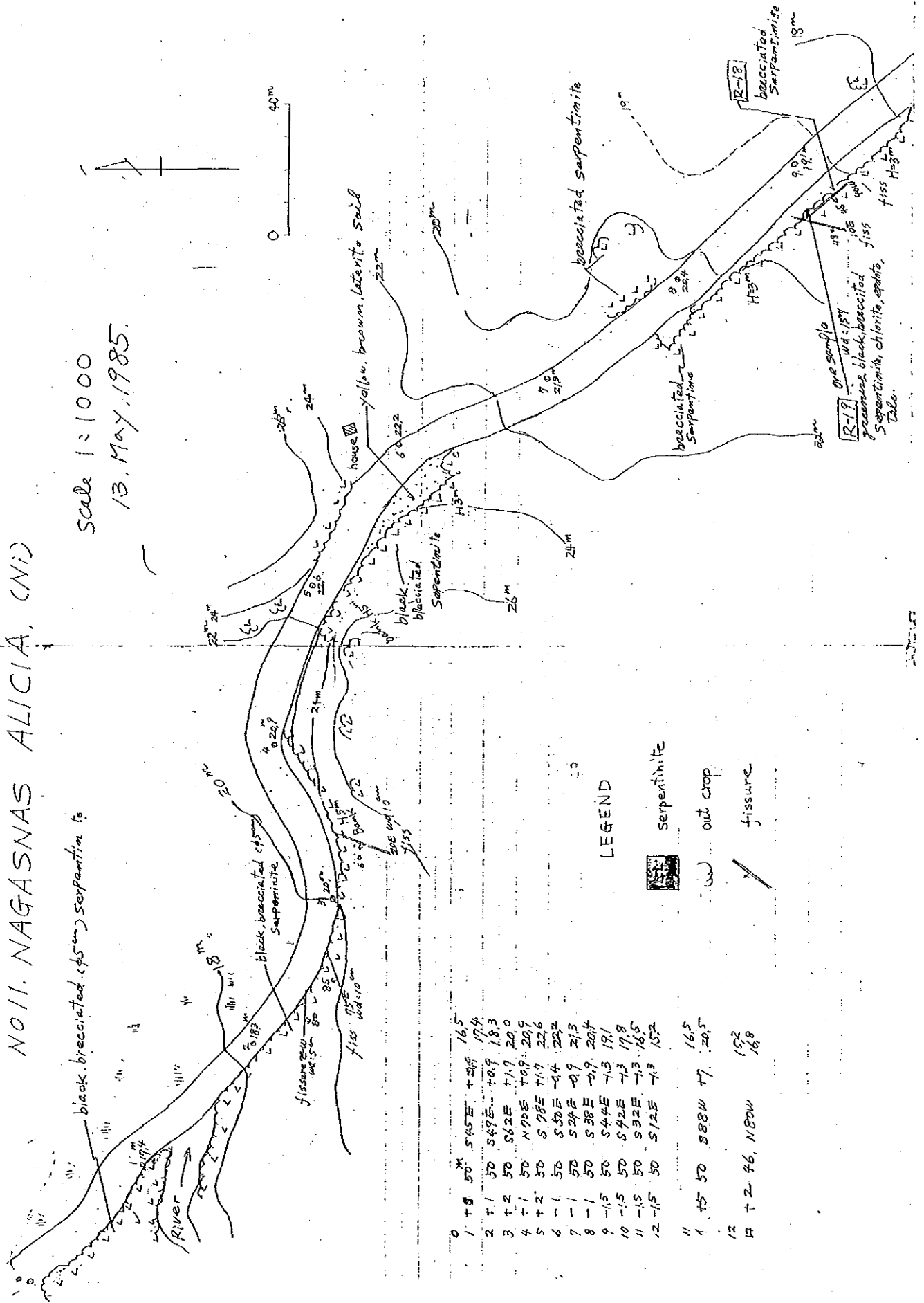
No. 1 Route Map




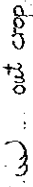

NO 11. NAGASNAS ALICIA, (NI)

black brecciated (45m) serpentinite

Scale 1:1000
13. May. 1985.



LEGEND

-  serpentinite
-  out crop
-  fissure

1	T8	50	S45E	+209	16.5
2	T1	50	S49E	+0.9	17.4
3	T2	50	S62E	+1.7	18.3
4	T1	50	N70E	+0.9	20.0
5	T2	50	S78E	+1.7	20.9
6	-1	50	S50E	-0.4	22.2
7	-1	50	S24E	-0.9	21.3
8	-1	50	S38E	-0.9	20.7
9	-1.5	50	S44E	-1.3	19.1
10	-1.5	50	S42E	-1.3	17.8
11	-1.5	50	S32E	-1.3	16.5
12	-1.5	50	S12E	-1.3	15.2
11	T5	50	S88W	+7	16.5
12	T2	46, N80W			15.2
					16.8

R-17 Ore sample
wd: 157
greenish black brecciated
serpentinite, chlorite, epidote,
Talc.





R-18
brecciated
Serpentinite

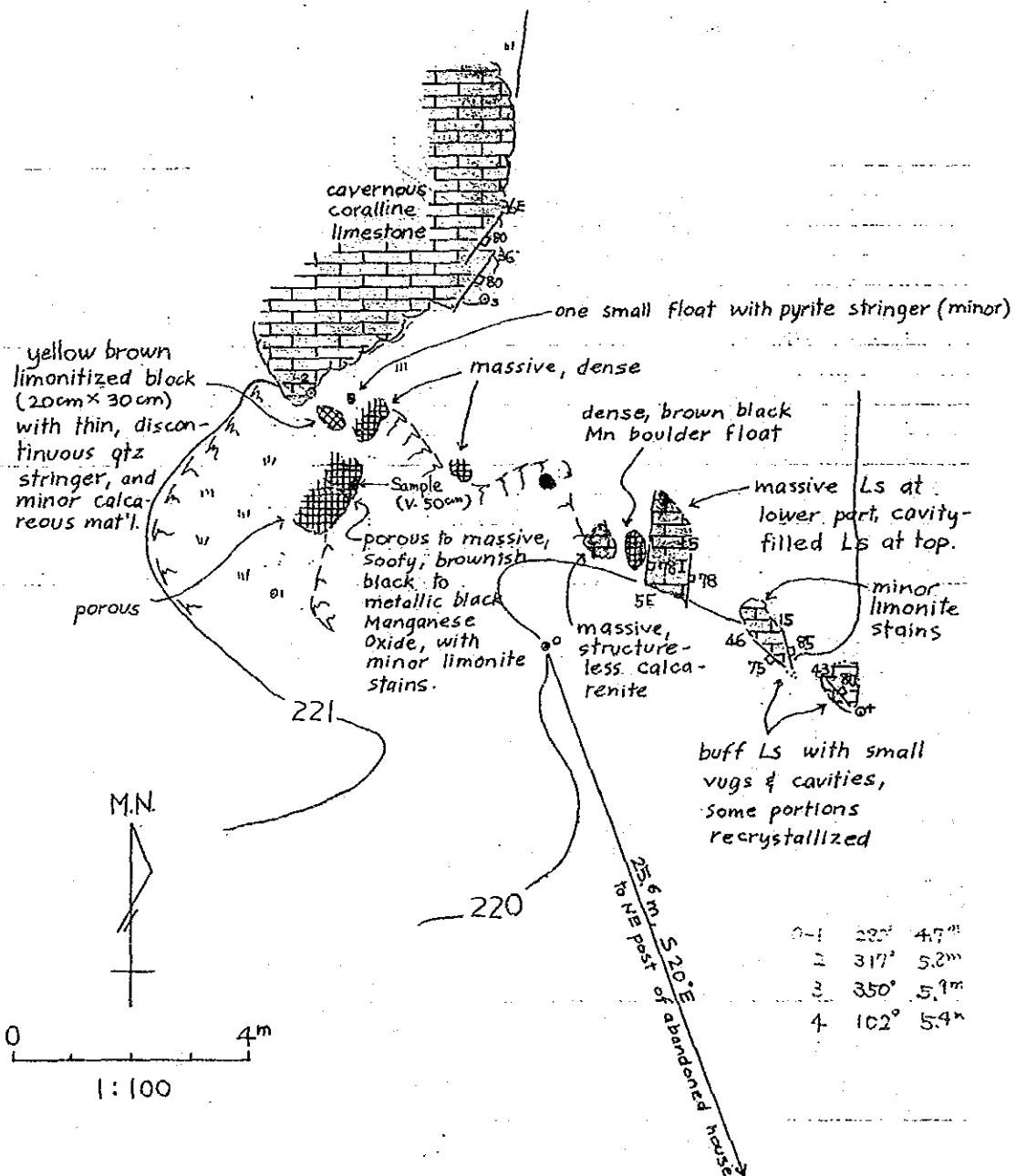
May 17 1985

12. Buenavista Mn (Montesuerte)

by T. YAMADA
W. Diegor

LEGEND

-  Manganese oxide
-  Limonite
-  Limestone
-  Joint



May 11 1985

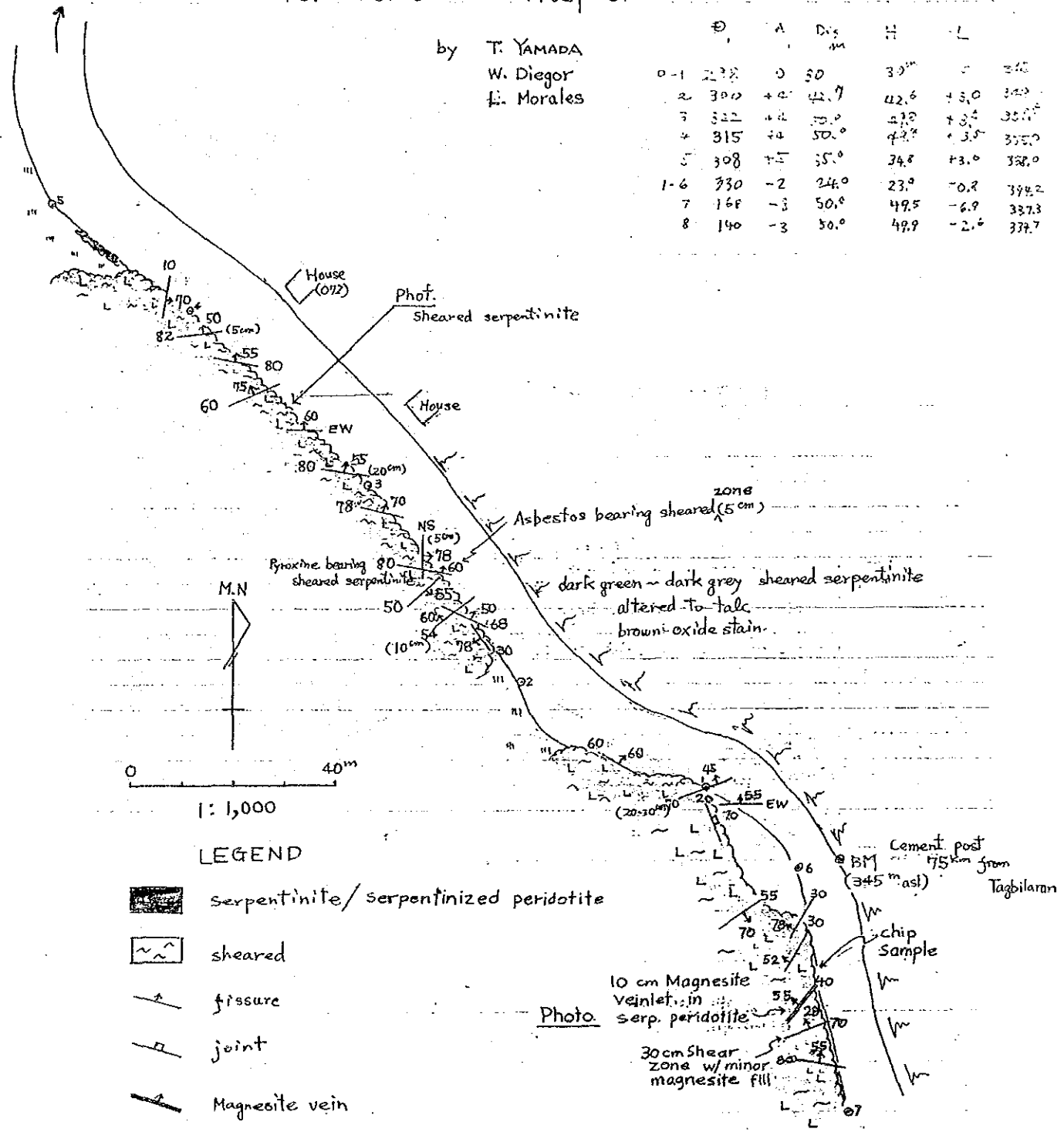
No. 1

To Sierra Bullones

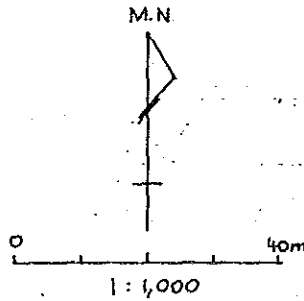
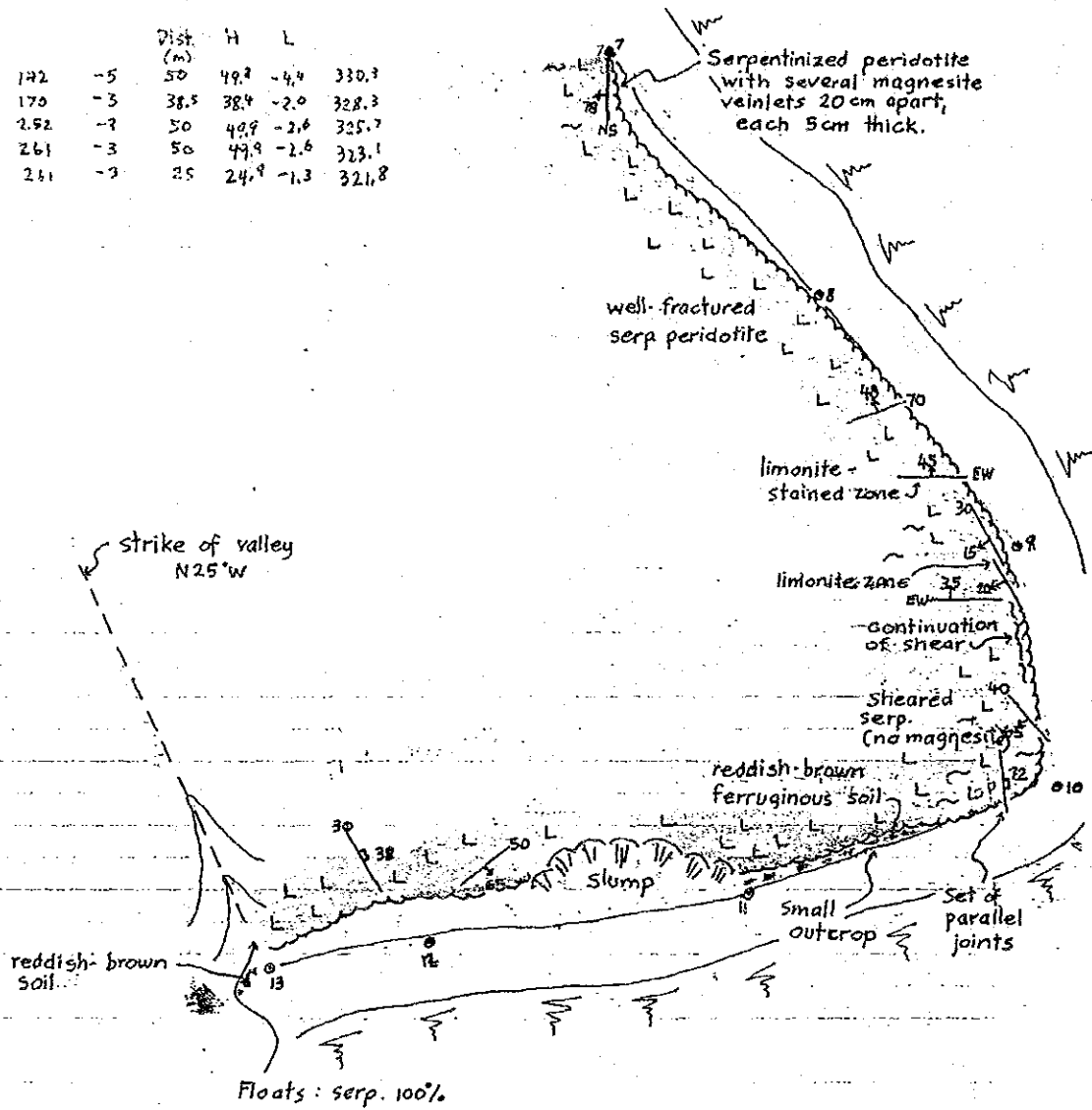
13. Boctol Ni Prospect(?)

by T. YAMADA
W. Diegor
L. Morales

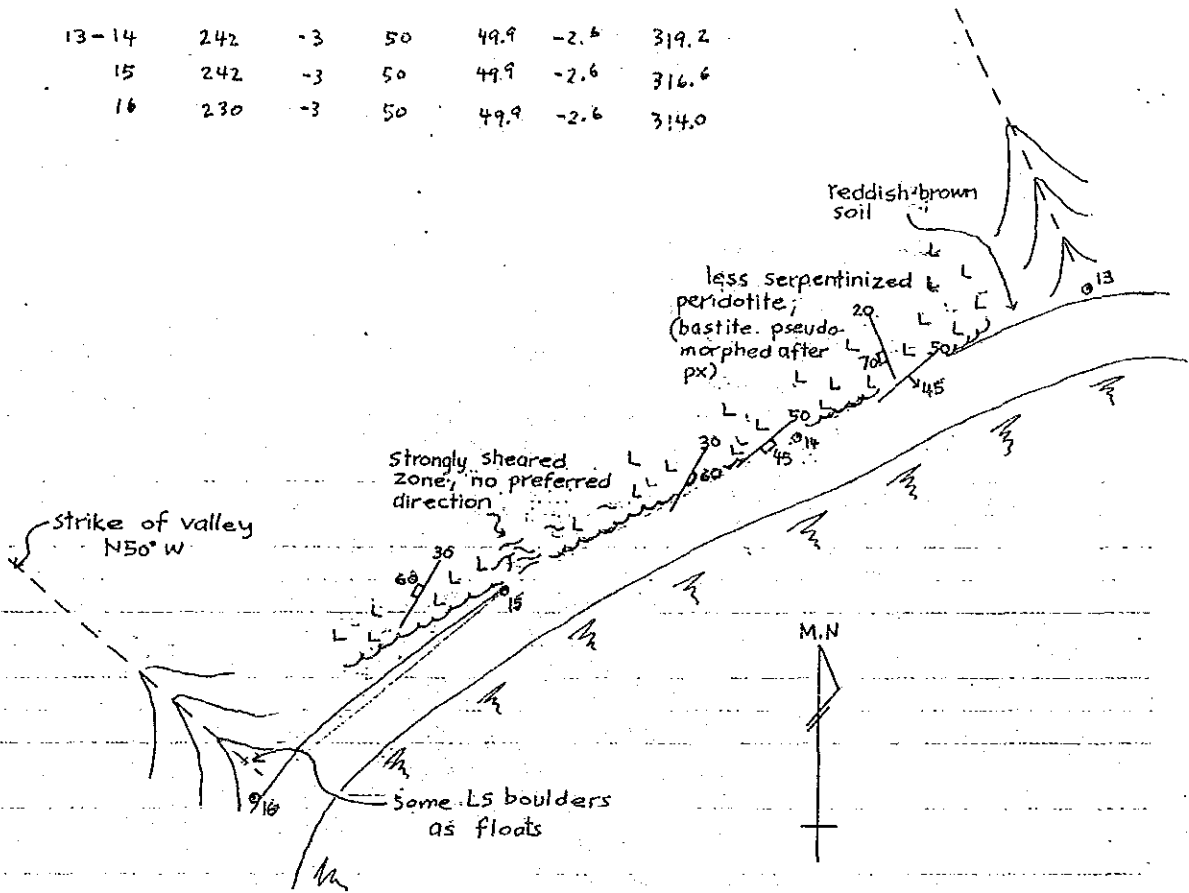
	D	A	Dis m	H	L	
0-1	278	0	50	39°	0	340
2	300	+2	42.7	42.6	+3.0	340
3	322	+2	50.0	47.8	+3.2	350
4	315	+4	50.0	47.8	+3.2	350
5	308	+5	35.0	34.8	+3.0	320
1-6	330	-2	24.0	23.0	-0.2	342
7	168	-3	50.0	49.5	-6.9	337.3
8	140	-3	30.0	49.9	-2.6	377.7



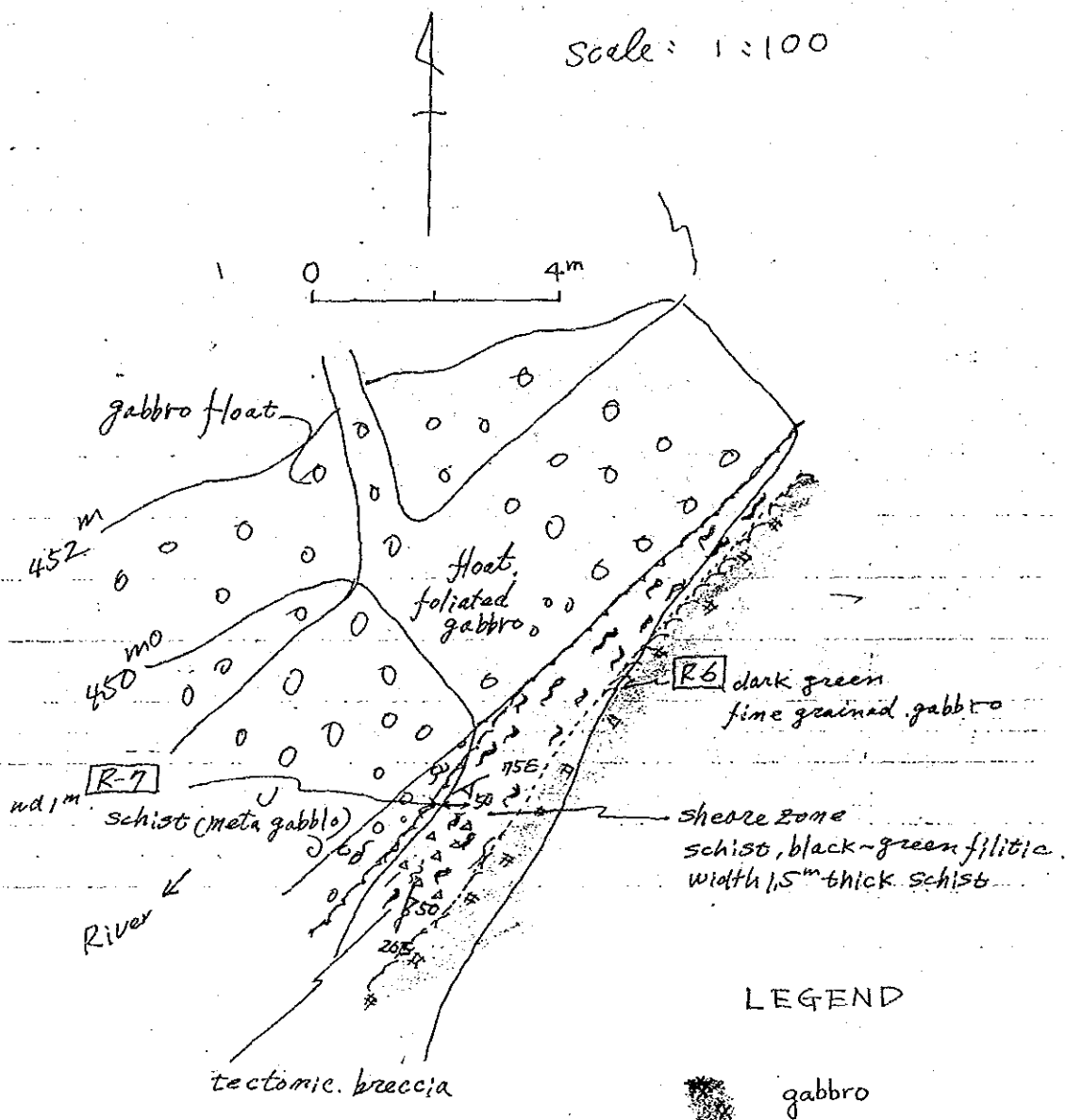
			Dist (m)	H	L	
8-9	172	-5	50	49.2	-4.4	330.3
10	170	-3	38.5	38.4	-2.0	328.3
11	252	-2	50	40.9	-2.6	325.7
12	261	-3	50	49.9	-2.6	323.1
13	241	-3	25	24.9	-1.3	321.8



13-14	242	-3	50	49.9	-2.6	319.2
15	242	-3	50	49.9	-2.6	316.6
16	230	-3	50	49.9	-2.6	314.0

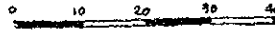


No 14. Bangwalog Duero. (Cr)

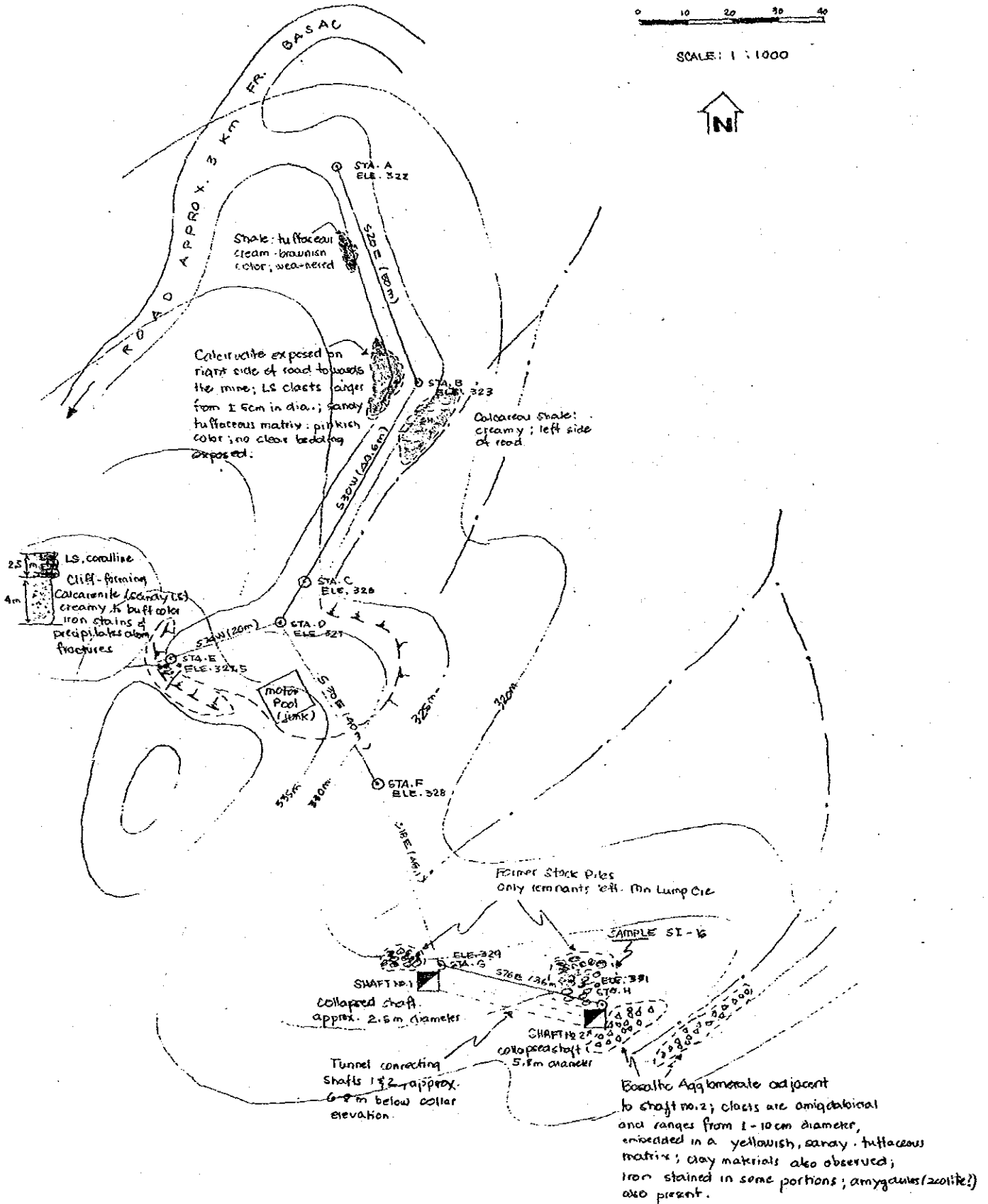


16. NEW FRONTIER MINES (Mn)

1975-80 (?)

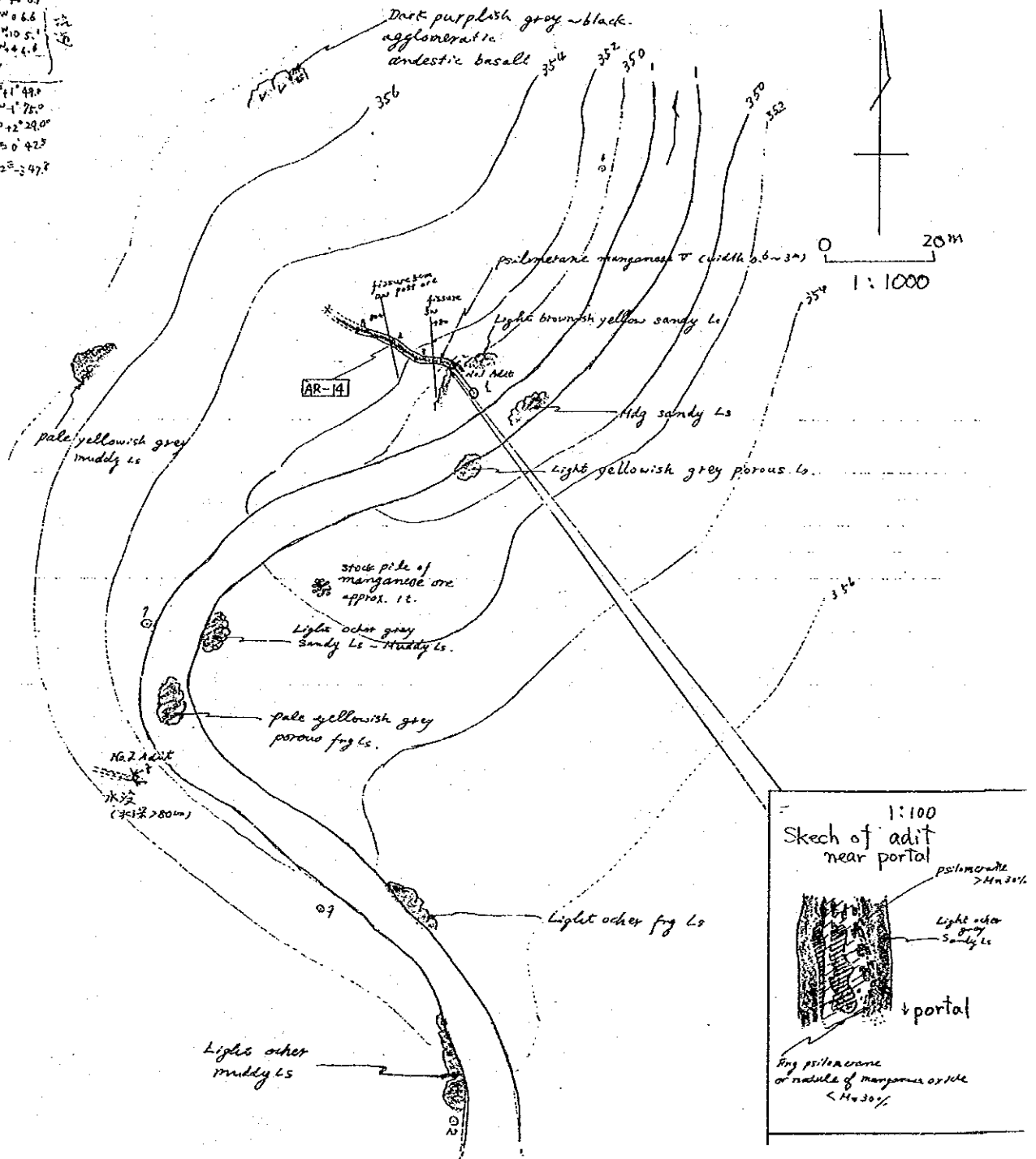


SCALE: 1 : 1000



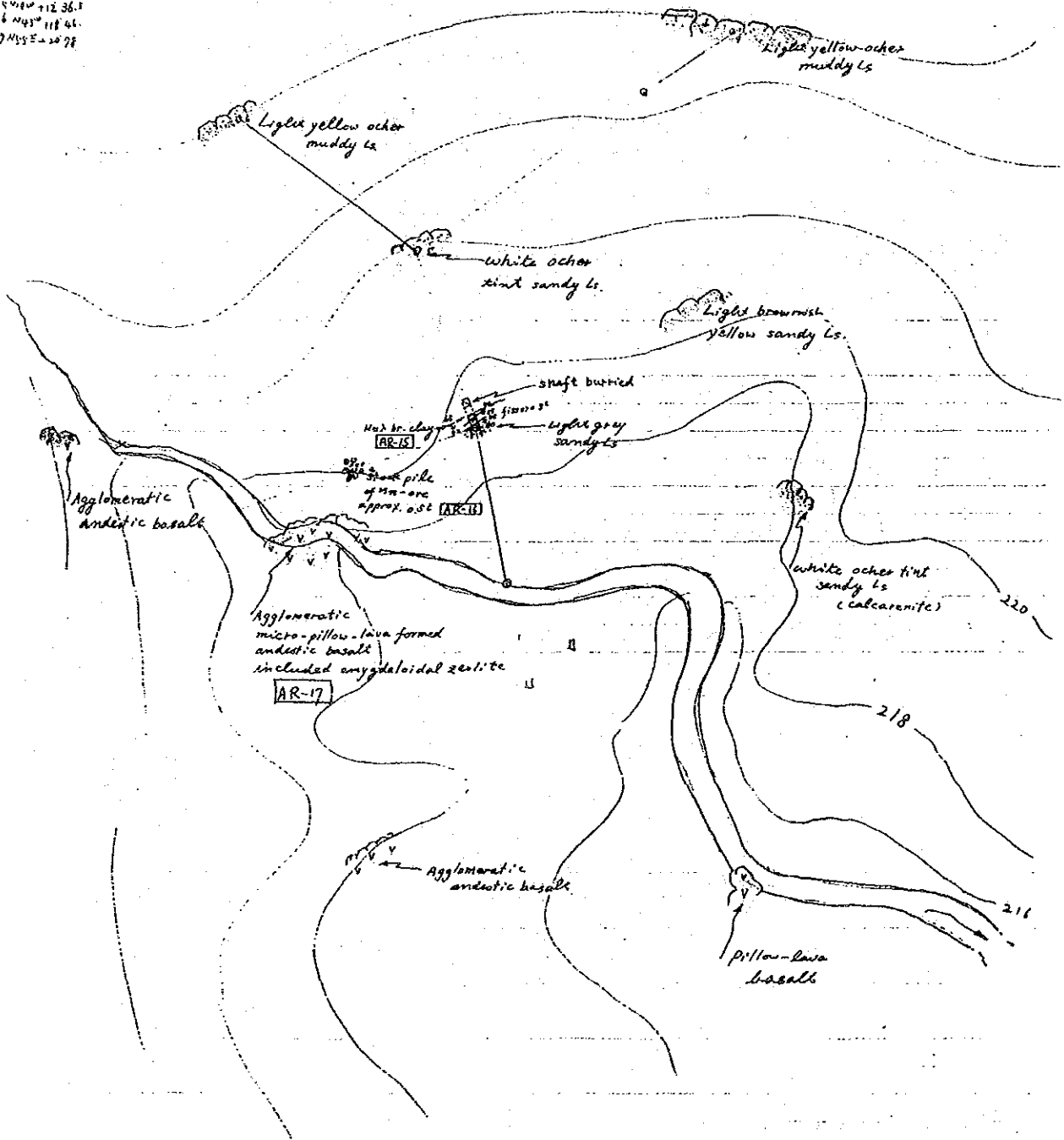
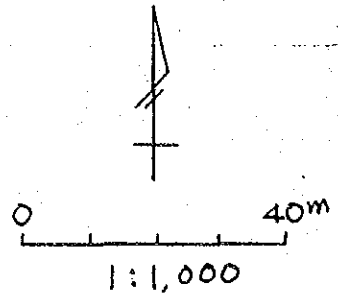
17 Nangka (Zamba) Mn, Siquijor

- 1-2 N39°46'62"
- 3-3 N20°W 0 6.6
- 3-4 N67°10 S
- 3-5 N92°46 E
- 7-50"
- 1-0 N29°E 1'49"
- 1-7 S55°W 1'28"
- 1-1 S6°W 2'29"
- 1-3 S15°W 4'23"
- 1-5 S22°W 3'47"



18 Pisong, Siquijor (Mn)

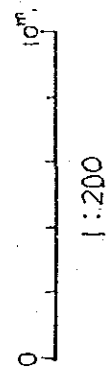
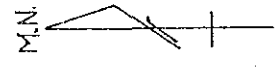
- 1-2 11" 117.37
- 2-3 21" 21.37
- 2-4 92" 110.29.7
- 2-5 114" 112.36.1
- 5-6 143" 118.41.
- 5-7 143" 120.77







19. Boyog Au (?)

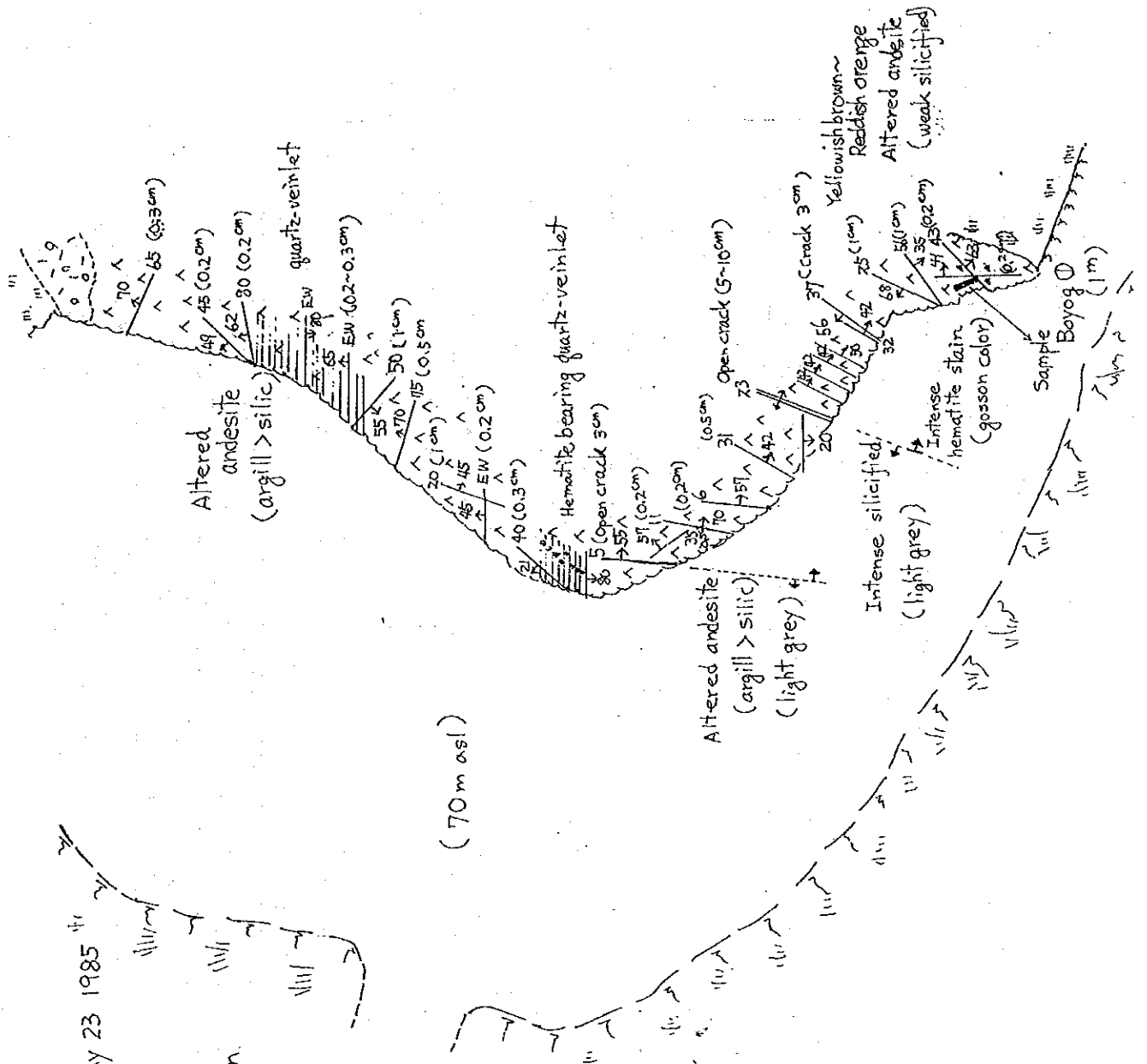
May 23 1985

by T. Yamada
W. Diegor
F. Sajona
N. Baybayan



LEGEND

-  Andesite
-  Hematite, Mn oxide vein with width
-  Pyrite
-  Sampling point



Appendix 10 Data Sheet for Mineral Prospects

Data Sheet for Mineral Prospects

Survey area *	Southern Sierra Madre~Polillo		Mineral * Prospects No.	No.1 PAPAYA	
Locality *	1/50,000 * Topographic No.	PAPAYA	X * 17,250 (Trench-1) * 19,200 (Trench-2) Coordinates	Y * 08,400 * 15,800 Coordinates	Altitude * (m)
Survey date *	Surveyor * K. Tonođa, A. Matos				
Compiling data (file No.)	Owner of mining right Local, Illegal				
Metallogenic province	Type of Ore * Deposits Placer Gold				
Ore mineral Assemblage	by field observation * Native Gold Magnetite		by microscope Terrace Gravel Ore Deposits by X-ray diffraction		
Gangue mineral Assemblage	by field observation *		by microscope by X-ray diffraction		
Alteration mineral Assemblage	by field observation *		by microscope by X-ray diffraction		
Combination of country rocks *					

Age Determination.	K-Ar Age method	Rb-Sr Age method	Another method
Identification of fossils	Radiolaria	Manno-Plankton	Another fossils
Spot investigation	A	B	C
Result of geochemical & other analysis	A	B	C
Summarized evaluation	A	B	C
Other specially mentions	<p>Trench prospecting was done in the terrace gravel, distributed in about 20m higher than current river level, and dug 2~4m in depth and reached to the basement. Extent of trench is about 8~16m². Content of placer gold is higher at the bottom of the terrace gravel, and nothing recognized in the basement.</p> <p>The geology around the upstream of above-mentioned trench area consists of basaltic lava and pyroclastics, and hydrothermal alteration-pyritization, argillization etc. - are observed, but it is difficult to consider those areas as a origin of placer gold, it is assumed that andesite porphyry intruded into the basalt is rather related to the mineralization.</p>		

* Boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Southern Sierra Madre~Polillo		Mineral * Prospects No.	No.2 BALINTINGON Prospect, SUMACBAO RIVER		
Locality *	1/50,000 Topographic No. *	MONT BALINTINGON	X Coordinates	Y Coordinates	Altitude *	200 (m)
Survey date *	July 5, 1985		Surveyor *	A. Shibuya, A. Matos		
Compiling data (file No.)	NE-1192					
Metallogenic province			Type of Ore* Deposits	Porphyry Copper		
Ore mineral Assemblage	by field observation * Pyrite, Chalcopyrite, (Bornite)		Owner of mining right	by microscope		
Gangue mineral Assemblage	by field observation * Quartz		Type of Ore* Deposits	by X-ray diffraction		
Alteration mineral Assemblage	by field observation * Quartz-Sericite		Owner of mining right	by X-ray diffraction		
Combination of country rocks *	Basaltic volcanic rocks(lava and pyroclastics) Andesite porphyry, Diorite porphyry					

Age Determination	K-Ar Age method	Rb-Sr Age method	Another method																												
Identification of fossils	Rodioralia	Nanno-Plankton	Another fossils																												
* Spot investigation	A	B	C																												
* Result of geochemical & other analysis	A	B	C																												
* Summarized evaluation	A	B	C																												
Other specially mentions	<p>Surveyors could reach but to the point 1.0km from the prospect and took just floats (gossan and leached silicified rocks) only because of flooding by typhoon.</p> <p>Therefore, the description of geology were quoted from a paper NE-1192. Depend on the paper, mineralizations are recognized in and around the intrusive rocks, consisting of dissemination and veinlet. Major mineralized zone, composed mainly of dissemination, is located at the middle of the intrusive rock and have a extent of 400m~600m.</p> <p>Cu grades of samples taken from main dissemination zone along the river are 0.07%~0.4%, and extension of mineralized zone containing more than 0.2% Cu is shown a direction NW-SE as well as veinlet.</p> <p>The results of ore analysis asked from ENG is as follows: (but, sample locality is unknown)</p> <table border="1"> <thead> <tr> <th></th> <th>Cu %</th> <th>Au g/t</th> <th>Ag g/t</th> </tr> </thead> <tbody> <tr> <td>GM-3</td> <td>0.40</td> <td>5</td> <td>-</td> </tr> <tr> <td>GM-5</td> <td>0.36</td> <td>-</td> <td>-</td> </tr> <tr> <td>GM-8</td> <td>0.12</td> <td>53</td> <td>11</td> </tr> <tr> <td>GM-9</td> <td>0.31</td> <td>11</td> <td>-</td> </tr> <tr> <td>GM-12</td> <td>0.93</td> <td>4</td> <td>1</td> </tr> <tr> <td>GM-15</td> <td>0.16</td> <td>3</td> <td>6</td> </tr> </tbody> </table>				Cu %	Au g/t	Ag g/t	GM-3	0.40	5	-	GM-5	0.36	-	-	GM-8	0.12	53	11	GM-9	0.31	11	-	GM-12	0.93	4	1	GM-15	0.16	3	6
	Cu %	Au g/t	Ag g/t																												
GM-3	0.40	5	-																												
GM-5	0.36	-	-																												
GM-8	0.12	53	11																												
GM-9	0.31	11	-																												
GM-12	0.93	4	1																												
GM-15	0.16	3	6																												

* Boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Southern Sierra Madre ~ Polillo		Mineral * Prospects, No.	No. 3 IBUNA Copper Prospect				
Locality *	1/50,000 * Topographic No.	DESEADA POINT	* X Coordinates	12,500	* Y Coordinates	15,450	* Altitude	40 (m)
Survey date *	June 12, 1985		Surveyor *	K. Tonoda				
Compiling data (file No.)	QZ-306 (514)		Owner of mining right	HERALD Mining Company				
Metallogenic province			Type of Ore* Deposits	Vein		Country * rock of Ore Deposits and basalt by X-ray diffraction		
Ore mineral Assemblage	by field observation * Pyrite, Malachite, Chalcocopyrite		by microscope E 150-2					
Gangue mineral Assemblage	by field observation * Calcite, Quartz		by microscope		by X-ray diffraction			
Alteration mineral Assemblage	by field observation * Epidote, Calcite, Barite		by microscope		by X-ray diffraction			
Combination of country rocks *	Lavas of andesitic basalt, massive basalt and brecciated basalt, accompanying generally networks of epidote, quartz and calcite.							

Age Determination	K-Ar Age method	Rb-Sr Age method	Another method			
Identification of fossils	Radiolaria	Nanno-Plankton	Another fossils			
Spot investigation	A	B	C	D	E	Follow up survey is needless.
Result of geochemical & other analysis	"	B	C	D	E	"
Summarized evaluation	A	B	C	D	E	"
Other specially mentions	<p>The ore deposit occurs as small vein of 6~10cm in width and 1 m in length, along the fissure striking NS and dipping 72°W.</p> <p>The vein consists of pyrite dissemination zone(3~6cm in width) with silicified vein(3~5cm in width) in footwall side.</p> <p>A spheroidal malachite and minor amounts of chalcopyrite and pyrite are observed in the silicified vein.</p> <p>Depend on a paper QZ-306(514), more than fifteen(15) of prospects are known within 1.5km south side of surveyed area, these are fissure filling silicified veins of about 20cm in width and 1 m~several meters in length striking NS and chalcopyrite, chalcocite, pyrite and malachite are present.</p> <p>Higher grades of ore is as below:</p> <p>{ Cu 5.45% - Ag 199g/t</p> <p>{ Cu 3.48% - Ag 524g/t</p>					

* boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Southern Sierra Madre~Polillo		Mineral * Prospects No.		No.4 CAMCHING Iron Prospect	
Locality *	1/50,000 Topographic No. *	UMPACAN	* Coordinates	X Y	10,000	* Altitude 320 (m)
Survey date *	July 2, 1985		* Surveyor	A. Shibuya, P. Rovillos, L. Morales		
Compiling data (file No.)	BL-527					
Metallogenic province			Type of Ore Deposits	Contact-Metasomatic		
Ore mineral Assemblage	by field observation *		Owner of mining right	Country * Sandstone and shale		
	Magnetite > Hematite > Pyrite		Type of Ore Deposits	Ore Deposits		
	by field observation *		by microscope	by X-ray diffraction		
Gangue mineral Assemblage	Quartz		Sample CAMCHING No.1	by X-ray diffraction		
Alteration mineral Assemblage	by field observation *		by microscope	by X-ray diffraction		
Combination of country rocks *	by field observation *		by microscope	by X-ray diffraction		
	Clastic rocks, volcanic rocks, stratified calcareous sandstone, silty shale, diorite Country rocks are calcareous sandstone and silty shale, and foot rock is altered volcanic rocks.					

Age Determination	K-Ar Age method	Rb-Sr Age method	Another method			
Identification of fossils	Radiolaria	Nanno-Plankton	Another fossils			
* Spot investigation	A	B	C	D	E	Follow up survey is needless.
* Result of geochemical & other analysis	A	B	C	D	E	"
* Summarized evaluation	A	B	C	D	E	"
* Other specially mentions	<p>The ore deposit is embedded as a tabular shape parallel to the structure of country rock. The major ore mineral is magnetite with primary hematite, minor amounts of pyrite and chalcopyrite are also present. Accompanying gangue mineral is quartz veinlet.</p> <p>Exposures of ores are found showing a banded structure owing to colors (rusty brown and metallic gray) and grain size of magnetite.</p>					

* Boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Southern Sierra Madre ~ Polillo		Mineral * Prospects No.	No. 5 ANGAT Iron Prospect	
Locality *	1/50,000 * Topographic No.	NORZAGARAY	Coordinates * X	Coordinates Y	Altitude * (M.)
Survey date *	July 3, 1985.		Surveyor *	E. Mantaring, A. Shibuya.	
Compiling data (file No.)	EL-527		Owner of mining right		
Metallogenic province			Type of Ore Deposits	Contact-Metasomatic	Country * rock of Ore Deposits
Ore mineral Assemblage	by field observation * Magnetite with hematite and pyrite		by microscope		Sandstone by X-ray diffraction
Gangue mineral Assemblage	by field observation * Quartz		by microscope		by X-ray diffraction
Alteration mineral Assemblage	by field observation * Diorite have been altered to weak argillization		by microscope		by X-ray diffraction
Combination of country rocks *	Volcanic rocks, conglomerates, sandstone, quartzdiorite. Iron ore deposit interbedded in the tuffaceous sandstone is underlain by weathered diorite and capped by volcanic rocks and conglomerates.				

Data Sheet for Mineral Prospects

Survey area *	Southern Sierra Madre ~ Folillo		Mineral * Prospects No.	No. 6 MARCOPPER MATANI Gold Prospect	
Locality *	1/50,000 * Topographic No.	UNIRAY RIVER	* X Coordinates	* Y Coordinates	* Altitude
Survey date *	May 29, 1985		Surveyor *	A. Shibuya, E. Malaca	
Compiling data (file No.)	QZ-1648		Owner of mining right	MARCOPPER, being mined by local people recently	
Metallogenic province			Type of Ore* Deposits	Country * rock of Ore Deposits by X-ray diffraction	
Ore mineral Assemblage	by field observation *	Pyrite, Chalcopyrite	by microscope T2-90m T2-114m		
Gangue mineral Assemblage	by field observation *	Quartz	by microscope	by X-ray diffraction	
Alteration mineral Assemblage	by field observation *	Sericite	by microscope	by X-ray diffraction T2-94m B 601-3 (BIG MATANI CREEK, Clay vein)	
Combination of country rocks *	Andesitic volcanic rocks, hornblende andesite porphyry dyke, clastic rocks composed of sandstone, mudstone and conglomerate.				

Data Sheet for Mineral Prospects

Survey area *	Southern Sierra Madre ~ Polillo		Mineral * Prospects No.	No. 7 PURAY Prospect	
Locality *	1/50,000 * Topographic No. Map	MCNTALBAN	X Coordinates	Y Coordinates	Altitude * (m)
Survey date *	May 20, 1985		Surveyor *	K. Tonoda, A. Matos	
Compiling data (file No.)			Owner of mining right		
Metallogenic province			Type of Ore * Deposits	Stratified Sulfide	Country * rock of Ore Deposits Dacitic lava
Ore mineral Assemblage	by field observation * Pyrite > Bornite Magnetite stain		by microscope Polished section	by X-ray diffraction	
Gangue mineral Assemblage	by field observation * Quartz		by microscope	by X-ray diffraction	
Alteration mineral Assemblage	by field observation * Sericite-quartz in rhyolite (country rock) chalcocite in overlying basalt		by microscope	by X-ray diffraction	
Combination of country rocks *	Dacitic lava, basaltic lava, tuff breccia and dacite dyke country rocks are dacitic lava and tuff breccia.				

Age Determination	K-Ar Age method	Rb-Sr Age method	Another method					
Identification of fossils	Radiolaria	Nanno-Plankton	Another fossils					
* Spot investigation	A	(B) Necessity of follow up survey is high.	C	Possibility to consider the follow up survey.	D	Necessity of follow up survey is low.	E	Follow up survey is needless.
Result of geochemical & other analysis	A	"	B	"	D	"	E	"
Summarized evaluation	A	"	B	"	C	"	D	"
Other specially mentions	<p>* The ore deposits occur in dacitic lava and tuff breccia, and dacitic lava has been altered widely of sericitization-silicification-pyritization. Major deposit occurs as bedded deposit in upperpart of dacitic tuff breccia and extends along the boundary of dacitic volcanic rocks and basaltic tuff breccia of upper member. Bedded ore is shown as 1.5~2.0m in thickness and about 10m in extent(outcrop-1). Ore consists mainly of pyrite with small amounts of chalcopyrite and bornite. Malachite and azurite are also present as secondary mineral. Outcrop-1 deposit seems to occur in same horizon with outcrop-4 mineralized zone separated about 600m to South-West from outcrop-1. It is said that there are some floats of Pb-Zn ore in adjacent area, but localities etc. are still unknown.</p>							

* boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Southern Sierra Madre ~ Polillo		Mineral * Prospects No.	No. 8 LUMBAY COLOSSAL Copper Prospect	
Locality *	1/50,000 * Topographic No.	UNIRAY RIVER	* Coordinates	X Coordinates	Y Coordinates
Survey date *	May 27, 1985	Surveyor *	A. Shibuya, U. Palaganas		
Compiling data (file No.)	PG-QZ-1, QZ-1434				
Metallogenic province	Owner of mining right		COLOSSAL Mining & Exploration Corporation		
Ore mineral Assemblage	Type of Ore * Deposits		Porphyry Copper		
Ore mineral Assemblage	by field observation *		by X-ray diffraction		
	Pyrite, Chalcopyrite		Altered volcanic rock, Diorite porphyry, Ore Deposits Andesite porphyry		
Gangue mineral Assemblage	by field observation *		by X-ray diffraction		
	Quartz		B 527-2 B 527-4		
Alteration mineral Assemblage	by field observation *		by X-ray diffraction		
	Quartz-Sericite		B 527-3		
Combination of country rocks *	Altered volcanic rocks composed mainly of basalt (BAYABAS Group), diorite porphyry , andesite porphyry				

Age Determination.	K-Ar Age method	Rb-Sr Age method	Another method
Identification of fossils	Radiolaria	Nanno-Plankton	Another fossils
Spot investigation	A	B	C
Result of geochemical & other analysis	A	B	C
Summarized evaluation	A	B	C
Other specially mentions	<p>This prospect was located in upperstream of KALAWANG CREEK, a tributary of LUMBAY RIVER, but it was very difficult to approach along the stream and it took two(2) days to reach to the prospect via old mine road running along the summit from SARI village of southern area. Therefore, survey was done only for the mineralized zone adjacent mine camp owing to a time limit.</p> <p>The mineralized zone shown in the sketch map occurred in altered andesite and were disseminated with pyrite dominantly, and some quartz-sulfide mineral-clay veins, striking EW, NE-SW, NW-SE, were observed.</p> <p>Depend on a paper PG-Q4-1, major copper mineral is chalcopyrite, mineralization appeared in biotite diorite porphyry dominantly and in altered volcanic rock slightly.</p> <p>Based on the results of seven(7) drillings and IP survey, mineralized zone extended to a direction East-West, and extent of more than 0.3% Cu zone reached to more than 550m in width of direction E-W (DDE-1, DDE-5) and 200m in width of direction N-S.</p> <p>Samples: B 527-2 (Polished section & ore assay) B 527-4 (ditto) B 527-3 (X-Ray)</p>		

* Boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Southern Sierra Madre ~ Polillo		Mineral * Prospects No.	No. 9 BOSO BOSO RIVER	
Locality *	1/50,000 Topographic No. and BARAS	* MONTALBAN (Starting point) Coordinates 22,200	* X Coordinates 04,200	* Y Coordinates 04,200	Altitude * 40~200 (m)
Survey date *	May 14, 1985	Surveyor *	K. Tonoda (Just Panning)		
Compiling data (file No.)	Owner of mining right				
Metallogenic province	Type of Ore* Deposits		Country * rock of Ore Deposits		
Ore mineral Assemblage	by field observation *	by microscope	by X-ray diffraction		
Gangue mineral Assemblage	by field observation *	by microscope	by X-ray diffraction		
Alteration mineral Assemblage	by field observation *	by microscope	by X-ray diffraction		
Combination of country rocks *	Basaltic pillo lava, basaltic tuff breccia, andesitic volcanic breccia, tuff, sandstone, rhyolitic dyke				

Age Determination.	K-Ar Age method	Rb-Sr Age method	Another method
Identification of fossils	Radiolaria	Nanno-Plankton	Another fossils
* Spot investigation	A	B	C
* Result of geochemical tests & other analysis	A	B	C
* Summarized evaluation	A	B	C
Other specially mentions	<p>Ten(10) heavy mineral samples had taken by panning within about 10km in length along stream of BOSO BOSO RIVER located upperstream of WAWA RIVER. Basaltic pillow lava, basaltic tuff breccia, andesitic volcanic breccia, tuff and sandstone were distributed along river and rhyolitic dyke was recognized locally. Any traces of mining by panning for sulfide mineral, quartz vein and placer gold were not distinguished in surveyed area.</p>		

* boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Southern Sierra Madre~Polillo		Mineral * Prospects No.	No.10 SANTA INES Iron Prospect	
Locality *	1/50,000 Topographic No.	SANTA INES	X Coordinates	Y Coordinates	Altitude *
Survey date *	May, 1985		06,900	08,200	550 (m)
Surveyor *	A. Shibuya, A. Cabantog				
Compiling data (file No.)	L.R. Antonio et al (1981)				
Metalogenic province			Owner of mining right	SANTA INES AND STEEL Co., Inc.	
Ore mineral Assemblage	by field observation * Magnetite with pyrite and chalcopyrite		Type of Ore* Deposits	Contact-Metasomatic	Country * rock of Ore Deposits Limestone by X-ray diffraction
Gangue mineral Assemblage	by field observation * Calcite, Epidote, Garnet		by microscope Sample B 504-2		by X-ray diffraction
Alteration mineral Assemblage	by field observation * Stann(Epidote, Garnet, Calcite)		by microscope		by X-ray diffraction
Combination of country rocks *	Pyroclastics, limestone (partly marble), diomite				

Age Determination.	K-Ar Age method	Rb-Sr Age method	Another method			
Identification of fossils	Radiolaria	Nanno-Plankton	Another fossils			
* Spot investigation	A	B	C	D	E	Follow up survey is needless.
* Result of geochemical & other analysis	A	B	C	D	E	"
* Summarized evaluation	A	B	C	D	E	"
* Other specially mentions	<p>The prospectings for SANTA INES iron deposit was started before 2nd world war, and geological survey, magnetic survey, drilling, trenching and tunneling have been done until now. The proved ore reserves of main ore body are estimated about ten(10) million tonnages(Fe 35~38%) and furthermore probable ore reserves of eleven(11) million tonnages are expected.</p>					

* Boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Southern Sierra Madre~Polillo		Mineral * Prospects No.	No. 11 DULANGAN Gold Prospect, TIGMOAN RIVER		
Locality *	1/50,000 Topographic No.	REAL	X Coordinates	Y Coordinates	Altitude *	200 (m.)
Survey date *	May 16, 1985		Surveyor *	A. Shibuya, U. Palaganas		
Compiling data (file-No.)			Owner of mining right	Local, Illegal		
Metallogenic province			Type of Ore* Deposits	Vein	Country * rock of Ore Deposits	Hornblende andesite porphyry
Ore mineral Assemblage	by field observation * Pyrite, Gold				by X-ray diffraction	
Gangue mineral Assemblage	by field observation * Clay				by X-ray diffraction	
Alteration mineral Assemblage	by field observation * Quartz-Sericite				by X-ray diffraction	
Combination of country rocks *	Volcanic rocks composed of volcanic breccia and flow breccia of basaltic andesite and andesitic basalt, hornblende andesite porphyry dyke and stock. deposit occurs in fissure filling clay vein, and small amount of native gold is present.					

Age Determination.	K-Ar Age method	Rb-Sr Age method	Another method
Identification of fossils	Radiolaria	Nanno-Pliankton	Another fossils
* Spot investigation	Necessity of follow up survey is the highest.	Necessity of follow up survey is high.	Necessity of follow up survey is low.
Result of geochemical A & other analysis	(B) B	B	D
Summarized evaluation	A	C	E
Other specially mentions	<p>Deposit is auriferous clay vein filled the fissure of intruded andesite porphyry. Clay veins have a direction of EW dominantly but a few of NW. Quartz veins and clay veins seen along DULANGAN CREEK have also a direction of EW. Recently, it have been prospecting by local people, but extent of prospecting is limited within the late surveyed area. The existence of andesite porphyry are estimated around 570m PEAK, and it should be prospect in the future.</p>		

* boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Southern Sierra Madre ~ Polillo		Mineral * Prospects No.	No. 12 Mount. MALOIOD Iron Prospect	
Locality *	1/50,000 * Topographic No.	BURDEOS	X Coordinates	21,300	* Altitude (m)
Survey date *	May 8, 1985	Surveyor *	K. Tonoda, A. Matos		
Compiling data (file No.)	QZ-455	Owner of mining right			
Metalogenic province		Type of Ore* Deposits		Country * rock of Ore Deposits	Quartzdiorite
Ore mineral	by field observation *			by X-ray diffraction	
Assemblage	Pyrite, Limonite				
Gangue mineral	by field observation *			by X-ray diffraction	
Assemblage					
Alteration mineral	by field observation *			by X-ray diffraction	
Assemblage	Sericite			E 50806 E 50202	
Combination of country rocks *	ANAWAN formation (volcanic rocks and sedimentary rocks), quartzdiorite (Polillo diorite body)				

Age Determination	K-Ar Age method	C 0127485	Rb-Sr Age method	Another method						
Identification of fossils	Radiolaria		Nanno-Plankton	Another fossils						
Spot investigation	A	Necessity of follow up survey is the highest.	B	Necessity of follow up survey is high.	C	Possibility to consider the follow up survey.	D	Necessity of follow up survey is low.	E	Follow up survey is needless.
Result of geochemical & other analysis	A	"	B	"	C	"	D	"	E	"
Summarized evaluation	A	"	B	"	C	"	D	"	E	"
Other specially mentions	<p>* On the basis of a paper QZ-455, it is assumed that hematite (partly specularite) mineralization were related to quartzdiorite intrusion.</p> <p>There were some traces of trench mining on the MT. MALOLOD, but it was very difficult to observe those because of collapse and covering of heavy vegetation.</p> <p>This investigation were done along a stream located in eastern side of MT. MALOLOD, quartzdiorite disseminated with pyrite were distributed in the area, limonitization and argillization filled cracks were present and secondary limonite bed existed in the bottom of river.</p> <p>Depend on a paper QZ-455, it was recognized by trench observation that small vein and dissemination of hematite-pyrite occurred in the silicified and argillized country rock, limonite bed brought from mafic minerals of country rock were formed 5~20cm in thickness and grades of ore samples from bonanza zone were Fe 58.35% and Fe 65.88%.</p>									

* boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Southern Sierra Madre~Polillo		Mineral * Prospects No.	No. 13 MARCOPPER POLILLO Prospect	
Locality *	1/50,000 * Topographic No.	POLILLO	X Coordinates	26,000	Y Coordinates 13,100
Survey date *	April 29, 1985	Surveyor *	K. Tonoda, A. Matos		
Compiling data (file No.)	MARCOPPER				
Metalogenic province			Type of Ore* Deposits	Porphyry Molybdenium	
Ore mineral Assemblage	by field observation * Pyrite > Molybdenite		Owner of mining right	Country * rock of Ore Deposits Quartzdiorite by X-ray diffraction.	
Gangue mineral Assemblage	by field observation *		by microscope C 0329485	by X-ray diffraction	
Alteration mineral Assemblage	by field observation *		by microscope	by X-ray diffraction	
Combination of country rocks *	Quartzdiorite and its facies of Polillo diorite body				

Age Determination	K-Ar Age method	C 0127485	Rb-Sr Age method	Another method	
Identification of fossils	Radiolaria		Nanno-Plankton	Another fossils	
* Spot investigation	A Necessity of follow up survey is the highest.	B Necessity of follow up survey is high.	C Possibility to consider the follow up survey.	D Necessity of follow up survey is low.	E Follow up survey is needless.
* Result of geochemical & other analysis	A	B	C	D	E
* Summarized evaluation	A	B	C	D	E
* Other specially mentions	<p>This prospect is located in midstream of CANICANIAN CREEK and traces of exploration by MARCOPPER are extended around the above prospect with extent of 1~2km, and quartziorite has been altered to reddish brown clay. Some explorations including drillings had been done by MARCOPPER, but reports on it are not been known. This survey was accomplished for the outcrops in the CANICANIAN CREEK adjacent old mine site, and quartz veinlet(1~2cm in width) striking N85 W and dipping 60 NE were observed in pyrite disseminated quartziorite. Pyrite dissemination and some molybdenite concentration were also seen in quartz veinlet.</p> <p>There was a fracture zone(1 cm in width) in the hanging-wall of quartz vein, and it was contacted with argillized quartziorite of hanging-wall side.</p> <p>It seems that this prospect had mainly been prospected with the target for molybdenite, but above molybdenite bearing quartz vein are observed very few and locally in the surface.</p>				

* boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Bohol		Mineral * Prospects, No.	1. Bonakan		
Locality *	1/50,000 * Topographic No.	* Talibon 38503	X Coordinates	* Y Coordinates	* Altitude	* (m)
Survey date *	May 23, 1985		Surveyor *	T. Yamada, W. Dieger, F. Sajona, N. Baybayan		
Compiling data (file No.)						
Metallogenic province			Owner of mining right			
Ore mineral Assemblage	by field observation * malachite		Type of Ore Deposits	Country * of Ore Deposits	Pyroxene-Hornblende Andesite	
Gangue mineral Assemblage	by field observation * quartz clay minerals		by microscope	by X-ray diffraction		
Alteration mineral Assemblage	by field observation * Fe-oxide Mn-oxide		by microscope	by X-ray diffraction		
Combination of country rocks *	Pyroxene-hornblende andesite					

Age Determination.	K-Ar Age method	Rb-Sr Age method	Another method
Identification of fossils	Radiolaria	Nanno-Plankton	Another fossils
* Spot investigation Result of geochemical & other analysis Summarized evaluation	A	B	C
	Necessity of follow up survey is the highest.	Necessity of follow up survey is high.	©
	"	"	"
* Other specially mentions	A	B	C
	"	"	"
	"	"	"
<p>The occurrence of malachite indicates existence of Cu but may be in small amount. Argillization and silicification is imprinted on the andesite; very strong for the former weak for the latter. There is also a possibility of gold occurrence.</p>			

* boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Bohol		Mineral Prospects No. *	2. Campacot		
Locality *	1/50,000 Topographic No. *	Talibon 38503	X Coordinates *	Y Coordinates *	Altitude * (m)	
Survey date *	May 22, 1985		Surveyor * T. Yamada, W. Diegor, F. Sajona, N. Baybayan			
Compiling data (file No.)	Owner of mining right					
Metallogenic province			Type of Ore Deposits	Country * rock of Ore Deposits by X-ray diffraction		
Ore mineral Assemblage	by field observation * malachite pyrite magnetite		Porphry Copper		Andesite breccia	
Gangue mineral Assemblage	by field observation * quartz		by microscope		by X-ray diffraction	
Alteration mineral Assemblage	by field observation * clay mineral Mn-oxide Fe-oxide silicification		by microscope		by X-ray diffraction	
Combination of country rocks *	Plagiophyric andesite breccia, diorite					

Age Determination.	K-Ar Age method	Rb-Sr Age method	Another method
Identification of fossils	Radiolaria	Nanno-Plankton	Another fossils
Spot * investigation	A Necessity of follow up survey is the highest.	B Necessity of follow up survey is high.	C Possibility to consider the follow up survey.
Result of geochemical & other analysis	A " "	B " "	C " "
Summarized evaluation	A " "	B " "	C " "
Other specially mentions	<p>A mining company owned by Mr. Aznar of Cebu prospected in the area from 1952 ~ 1954. About 20m tunnel was dug probably following a vein system. Dimension of tunnel: height 2m, floor 2m wide. Waste from this excavation is dumped about 20m from portal, and consists of pyritized, silicified, slightly argillized plagioporphyric andesite. Moderate oxidation is imprinted on the rocks. Malachite stains occur sparsely although no Cu-sulphide was seen. Quartz vein (0.5 ~ 2cm) is not dense, Mn-oxide veinlets also occur.</p>		

* boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Bohol		Mineral Prospects No. *	B. Cangmundo (Tuba Tuba)		
Locality *	1/50,000 Topographic No. *	Talibon 38503	X Coordinates *	Y Coordinates *	Altitude *	100 (m)
Survey date *	May 23, 1985		Surveyor *	R. Otsubo, L. Morales, E. Esquerria, R. Miranda		
Compiling data (file No.)						
Metallogenic province				Owner of mining right		
				Type of Ore Deposits	Vein	
Ore mineral Assemblage	by field observation *			Country * rock of Ore Deposits by X-ray diffraction		
	gold pyrite			Volcanics (Andesite)		
Gangue mineral Assemblage	by field observation *			by X-ray diffraction		
	quartz calcite limonite					
Alteration mineral Assemblage	by field observation *			by X-ray diffraction		
	clay minerals ... argillization limonite ... oxidation					
Combination of country rocks *	volcanics (Andesite) diorite (?)					

Age Determination.	K-Ar Age method	Rb-Sr Age method	Another method			
Identification of fossils	Radiolaria	Nanno-Plankton	Another fossils			
* Spot investigation for mineral prospects	A	B	C	D	E	Follow up survey is needless.
	Necessity of follow up survey is the highest.	Necessity of follow up survey is high.	Possibility to consider the follow up survey.	Necessity of follow up survey is low.		
	Result of geochemical & other analysis	"	"	"	"	"
* Mineral prospect evaluation	A	B	C	D	E	
	Summerized evaluation	"	"	"	"	"
Other specially mentions	<p>The surveyed area is underlain by thermally altered, highly fractured volcanic rocks (andesite). The wall rock is deeply weathered, slightly chloritized at times disseminated with pyrite. Exploration works are still active in the area (adit, trench and test pit). Panning activity is reported to have slowed down. Reported Cu mineralizations are not recognizable. Several test pits have been dug within the adjacent vicinities of the surveyed area.</p>					

* boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Bohol		Mineral * Prospects No.	4. Baas	
Locality *	1/50,000 * Topographic No.	Talibon 38503	X * Coordinates	13,160	Y * Coordinates 17,200
Survey date *	May 21, 1985		Surveyor *	T. Yamada, W. Dieger, F. Sajona, N. Baybayan	
Compiling data (file No.)	Owner of mining right				
Metallogenic province			Type of Ore Deposits	porphyry copper	
Ore mineral	by field observation *		by microscope	Country * rock of Ore Deposits	quartz-diorite pyroxene-andesite
Assemblage	pyrite magnetite (malachite)			by X-ray diffraction	
Gangue mineral	by field observation *		by microscope	by X-ray diffraction	
Assemblage	quartz				
Alteration mineral	by field observation *		by microscope	by X-ray diffraction	
Assemblage	silicification clay-mineral limonite Mn-oxide				
Combination of country rocks	quartz diorite pyroxene andesite				

Age Determination	X-Ar Age method	Kb-Sr-Age method	Another method	Follow up survey is needless.
Identification of fossils	Radiolaria	Nanno-Plankton	Another fossils	
* Spot investigation	A	B	C	D
* Result of solid geochemical & other analysis	A	B	C	D
* Summarized evaluation	A	B	C	D
Other specially mentions	<p>Silicification and argillization of rock is strong; and quartz veinlet is almost regular and dense. Limonite staining overprints whole outcrop but Mn-oxide development is slight. Cu mineral was not observed and pyrite dissemination is weak.</p>			

* boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Bohol		Mineral Prospects No. *	5. Laka		Altitude' (m)	80
Locality *	1/50,000 Topographic No. *	Talibon	X Coordinates *	Y Coordinates *	12,400		
Survey date *	38503		Surveyor *	R. Otsubo, R. Miranda, L. Morales			
Compiling data (file No.)							
Metallogenic province			Owner of mining right				
			Type of Ore Deposits	porphyry copper		Country * rock of Ore Deposits	diorite
Ore mineral Assemblage	by field observation *		by microscope		by X-ray diffraction		
	pyrite chalcopyrite magnetite (?)						
Gangue mineral Assemblage	by field observation *		by microscope		by X-ray diffraction		
	clay mineral quartz (?)						
Alteration mineral Assemblage	by field observation *		by microscope		by X-ray diffraction		
	limonite Mn-oxide clay mineral						
Combination of country rocks	diorite volcanics						

Age Determination	K-Ar Age method	Rb-Sr Age method	Another method
Identification of fossils	Radiolaria	Nanno-Plankton	Another fossils
* Spot investigation result of geochemical & other analysis * Summarized evaluation	A Necessity of follow up survey is the highest.	B Necessity of follow up survey is high.	C Possibility to consider the follow up survey.
	"	"	"
	"	"	"
Other specially mentions	Mineralization occurs as sparse disseminations of pyrite with minor chalcopyrite and magnetite (?) along the diorite body. Minor amounts of pyrite also occur along quartz veinlets and stringers. Manganese and iron oxides are common along criss-crossing fissures. Argillization and oxidation are the most common alteration with slight silicification.		

* boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Bohol		Mineral * Prospects No.	6. Balisong	
Locality *	1/50,000 Topographic No.	* Talibon 38503	* Coordinates	* Coordinates	* Altitude
Survey date *	May 21, 1985		T. Yamada, W. Diegor, F. Sajona, N. Baybayan		
Compiling data (file No.)					
Metallogenic province					
Ore mineral Assemblage	by field observation *	chalcopyrite malachite pyrite magnetite	Owner of mining right	Type of Ore* Deposits	Country * rock of Ore Deposits
Gangue mineral Assemblage	by field observation *	quartz	by microscope	porphyry copper	by X-ray diffraction quartz diorite
Alteration mineral Assemblage	by field observation *	quartz clay mineral limonite hematite	by microscope		by X-ray diffraction
Combination of country rocks	by field observation *	quartz diorite volcanics (amygdaloidal basalt)	by microscope		by X-ray diffraction

Age Determination	K-Ar Age method	Rb-Sr Age method	Another method			
Identification of fossils	Radiolaria	Nanno-Plankton	Another fossils			
* Spot investigation	A	B	C	D	E	Follow up survey is needless.
* Result of geochemical & other analysis	A	B	C	D	E	"
* Summerized evaluation	A	B	C	D	E	"
* Other specially mentions	Development of gossan is strong giving reddish-brown to yellowish-brown color to outcrops. Pyrite dissemination is weak; and silicification of diorite is strong giving brittle alteration of the rock. Chalcopyrite dissemination was observed within a float of fresh diorite on top of a hill. This cobble-sized float is estimated to contain 0.1-0.2% Cu.					

* Boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Bohol		Mineral Prospects No. *	7. Talibon (San Francisco)		
Locality *	1/50,000 Topographic No. *	Talibon	X Coordinates *	Y Coordinates *	Altitude *	2 (m)
Survey date *	May 24, 1985		Surveyor *	R. Otsubo, N. Ferrer, C. Cebrían		
Compiling data (file No.)	Nector Dingle					
Metallogenic province	Type of Ore Deposits			Country * Ore Deposits		
Ore mineral	by field observation *			by X-ray diffraction		
Assemblage	quartz					
Gangue mineral	by field observation *			by X-ray diffraction		
Assemblage	none					
Alteration mineral	by field observation *			by X-ray diffraction		
Assemblage	none					
Combination of country rocks *	none					

Age Determination	K-Ar Age method	Rb-Sr Age method	Another method
Identification of fossils	Radiolaria	Nanno-Plankton	Another fossils
* Spot investigation for identification of fossils	A Necessity of follow up survey is the highest.	B Necessity of follow up survey is high.	C Possibility to consider the follow up survey.
	A Result of geochemical & other analysis	B "	C "
	A Summarized evaluation	B "	C "
* Other specially mentions	<p>The silica sand deposits in Bohol Island were derived from the Taribon quartz diorite</p> <p>Mining activity have been stopped from m1984.</p> <p>Digging site become the fish pond.</p>		

* boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Bohol		Mineral Prospects No. *	8. Kauswagan		
Locality *	1/50,000 Topographic No. *	Talibon	X Coordinates *	Y Coordinates *	Altitude *	(m)
Survey date *	38503		16,100	3,000	125	
Compiling data (file No.)	Surveyor R. Otsubo, R. Miranda, L. Morales					
Metalogenic province	Owner of mining right Mr. Tirso Nuera					
Ore mineral Assemblage	Type of Ore Deposits		porphyry copper		Country * rock of Ore Deposits by X-ray diffraction hornblende-quartz diorite	
Gangue mineral Assemblage	by field observation *		pyrite chalcopyrite bornite magnetite		by microscope	
Alteration mineral Assemblage	by field observation *		quartz		by X-ray diffraction	
Combination of country rocks	by field observation *		limonite clay mineral		by X-ray diffraction	
			hornblende-quartz diorite volcanics (andesite)			

Age Determination	K-Ar Age method	Rb-Sr Age method	Another method		
Identification of fossils	Radiolaria	Nanno-Plankton	Another fossils		
* Spot investigation	A	(B) Necessity of follow up survey is high.	C Possibility to consider the follow up survey.	D Necessity of follow up survey is low.	E Follow up survey is needless.
* Result of geochemical & other analysis	A	"	"	"	"
* Summarized evaluation	A	"	"	"	"
* Other specially mentions	<p>The surveyed area is presently being mined (small scale) by the mining right owner. Gold panning activities along Kamsuagan River is the main source of income among the villagers during the time of the survey. There is also a reported Canadian firm which dug three (3) drill holes that yielded favorable results</p>				

* boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Bohol				Mineral Prospects No. *	9. Mahayag		
Locality *	1/50,000 Topographic No. *	Cambangay Sur 38494	X Coordinates *	Y Coordinates *	Altitude *	160 (m)		
Survey date *	T. Yamada, W. Diegor							
Compiling data (file No.)								
Metallogenic province				Owner of mining right				
Ore mineral Assemblage				Type of Ore Deposits	porphyry copper		Country * rock of Ore Deposits	diorite
	by field observation *			by microscope				
	chalcopyrite (very rare) pyrite							
Gangue mineral Assemblage	by field observation *			by microscope				
	quartz							
Alteration mineral Assemblage	by field observation *			by microscope				
	chlorite epidote K-feldspar							
Combination of country rocks *	quartz diorite plagiophyric andesite							
				by X-ray diffraction				

Age Determination	K-Ar Age method	Rb-Sr Age method	Another method
Identification of fossils	Radiolaria	Nanno-Plankton	Another fossils
Spot * investigation	A	B	C
Result of geochemical & other analysis	A	B	C
Summarized evaluation	A	B	C
Other specially mentions	<p>Quartz diorite is imprinted by weak potassic alteration (about 8m wide area), argillic-phyllitic (near some quartz veinlet), propylitic (over a scattered area). Mineralization is represented by dissemination pyrite ~10% of rock when present and rare chalcopyrite. Quartz veinlets are thin, some 2mm wide, at most 2cm wide.</p>		

* boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Bohol		Mineral * Prospects No.		10. Salamanca	
Locality *	1/50,000 * Topographic No.	Cambangay Sur 38494	* Coordinates	No.1 15,100 No.2 15,400	* Coordinates	No.1 8,650 No.2 8,830
Survey date *			Surveyor *	T. Yamada, W. Diegor		
Compiling data (file No.)	1956 Wentworth Mining Co.					
Metallogenic province			Type of Ore* Deposits	hydrothermal, Fissure filling		
Ore mineral Assemblage	by field observation *		by microscope	Country * rock of Ore Deposits by X-ray diffraction		
Gangue mineral Assemblage	by field observation *		by microscope	by X-ray diffraction		
Alteration mineral Assemblage	by field observation *		by microscope	by X-ray diffraction		
Combination of country rocks *	hornblende andesite flows Big pyroxene andesite flow breccia About 1 km east of site is quartz diorite					

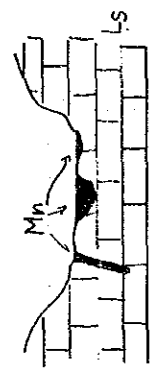
Age Determination.	K-Ar Age method	Rb-Sr Age method	Another method			
Identification of fossils	Radiolaria	Nanno-Plankton	Another fossils			
Spot investigation	A	B	C	D	E	Follow up survey is needless.
Result of geochemical & other analysis	A	B	C	D	E	"
Summarized evaluation	A	B	C	D	E	"
Other specially mentions	<p>No.2 occurrence consists of about 40cm wide zone of quartz vein with chalcopyrite - pyrite secondary chalcocite assemblage. Alteration of country rock is confined only along the width of veins. Some thin quartz veinlets do not contain Cu mineralization. Immediately bordering the 40cm vein is fresh andesite. No.1 occurrence is a thin (~1cm) quartz veinlet with a wider (5-6cm) oxidation (limonite) zone. Tiny specks of oxidized Cu mineral occur scattered or silicified joint surfaces of the andesite.</p>					

* boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Bohol		Mineral * Prospects No.	11. Nagasnas	
Locality *	1/50,000 * Topographic No.	Batuanan 38491	X Coordinates *	Y Coordinates *	Altitude * (m)
Survey date *	May 13, 1985		7,250	9,250	20
Compiling data (file No.)	Surveyor * R. Otsubo, E. Esquerre				
Metallogenic province	Owner of mining right				
Ore mineral Assemblage	by field observation * pyrite		Type of Ore* Deposits	Country * rock of Ore Deposits by X-ray diffraction	
Gangue mineral Assemblage	by field observation *		Othomagnetic	Serpentine	
Alteration mineral Assemblage	by field observation * Serpentine		by microscope	by X-ray diffraction	
Combination of country rocks	by field observation * talc chlorite epidote		by microscope	by X-ray diffraction	
	peridotite serpentine		by microscope	by X-ray diffraction	

Data Sheet for Mineral Prospects

Survey area *	Bohol		Mineral * Prospects No.	12. Buenavista		
Locality *	1/50,000 Topographic No.	* Cambangay Sur 38494	* Coordinates	X Y Coordinates	* Altitude	220 (m)
Survey date *	May 17, 1985		Surveyor *	T. Yamada, W. Diegor		
Compiling data (file No.)						
Metallogenic province			Owner of mining right			
			Type of Ore* Deposits	Residual		
Ore mineral Assemblage	by field observation *		by X-ray diffraction			
	Mn-oxide Fe-oxide Pyrite					
Gangue mineral Assemblage	by field observation *		by X-ray diffraction			
	calcite clay mineral minor quartz					
Alteration mineral Assemblage	by field observation *		by X-ray diffraction			
	limonite					
Combination of country rocks *	Mn-oxide in limestone					

Age Determination.	K-Ar Age method	Rb-Sr Age method	Another method
Identification of fossils	Radiolaria	Nanno-Plankton	Another fossils
Spot investigation	A	B	C
Result of geochemical & other analysis	A	B	C
Summarized evaluation	A	B	C
Other specially mentions	<p>Mn occurs as accumulation in cavities and sinkholes in coralline To massive limestone. Meteoric water probably dissolved Mn in the limestone, and reconcentrated it in large depressions. The occurrence of a small patch of pyrite in a small manganese oxide float does not give much evidence as to its relation with Mn deposition.</p>		

* boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Bohol		Mineral Prospects No. *	13 Boctol	
Locality *	1/50,000 Topographic No. *	Sierra Bullones 38493	Coordinates X *	Coordinates Y *	Altitude *
Survey date *	May 11, 1985		Surveyor *	T. Yamada, W. Diegor, L. Morales	
Compiling data (file No.)	Owner of mining right				
Metallogenic province	Type of Ore Deposits		Ni ... orthomagmatic		Country * rock of Ore Deposits *
Ore mineral Assemblage	by field observation *		Mg ... alteration & remobilization		serpentinite peridotite. by X-ray diffraction
Gangue mineral Assemblage	by field observation *		by microscope		by X-ray diffraction
Alteration mineral Assemblage	by field observation *		by microscope		by X-ray diffraction
Combination of country rocks *	Talc Antigorite Asbestos serpentinite, serpentinized peridotite, pyroxenite				

Age Determination	K-Ar Age method	Rb-Sr Age method	Another method
Identification of fossils	Radiolaria	Nanno-Plankton	Another fossils
* Spot investigation	A Necessity of follow up survey is the highest.	B Necessity of follow up survey is high.	C Possibility to consider the follow up survey.
* Result of geochemical & other analysis	"	"	"
* Summerized evaluation	A	B	C
Other specially mentions	<p>We deduce from description of prospect (Geology and Mineral Resources of Bohol, by Ariate et al. 1982) that Ni associated with the magnesite veinlets; published analysis giving 0.58% Ni and 32% MgO. Field mapping verifies existence of magnesite veinlets, and also shows no observation Ni mineral in host rock. The veinlets are normally 5cm thick, some 10cm, but these are very few, and widely separated. Normal Ni value in serpentinite is 0.2% and though analysis from this area gave about 3 times as much (0.58% Ni), it is still considerable low in grade.</p>		
			D Necessity of follow up survey is low.
			E Follow up survey is needless.

* boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Bohol		Mineral * Prospects No.	14 Bangwalog	
Locality *	1/50,000 Topographic No.	* Sierra Bullones 38493	* X Coordinates	* Y Coordinates	* Altitude
Survey date *			26,450	6,850	450 (m)
Survey date *	R. Otsubo, R. Villones, R. Miranda				
Compiling data (file No.)	Owner of mining right				
Metallogenic province	Type of Ore Deposits				
Ore mineral Assemblage	by field observation *		orthomagmatic.		Country * rock of Ore Deposits
	pyrite magnetite		by microscope		gabbro by X-ray diffraction
Gangue mineral Assemblage	by field observation *		by microscope		by X-ray diffraction
	pyroxene etc.				
Alteration mineral Assemblage	by field observation *		by microscope		by X-ray diffraction
	chlorite talc epidote				
Combination of country rocks	gabbro, dunite				

Age Determination.	K-Ar Age method	Rb-Sr Age method	Another method
Identification of fossils	Radiolaria	Nanno-Plankton	Another fossils
Spot investigation	A	B	C
Result of geochemical & other analysis	A	B	C
Summarized evaluation	A	B	C
Other specially mentions	5 Km NW of Duero town ; grade : 32.98% MgO , 0.03% Cr ₂ O ₃ , host rock : serpentinite ; Source : Arco, 1957		

* boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Bohol		Mineral Prospects No.	15	Anda
Locality *	1/50,000 Topographic No.	* Anda	38442	X Coordinates	* Y Coordinates
Survey date *	May 1, 1985		20,600	13,400	Altitude *
Survey date *	R. Otsubo, N. Ferrer, R. Villones				
Compiling data (file No.)	Simsai Tan - Alamownet				
Metallogenic province	Owner of mining right	General Base Metals			
	Type of Ore Deposits	Residual			
Ore mineral Assemblage	by field observation *	pyrolusite			
		by microscope			
Gangue mineral Assemblage	by field observation *	none			
		by microscope			
Alteration mineral Assemblage	by field observation *	none			
		by X-ray diffraction			
Combination of country rocks *	limestone, andesite				
		by X-ray diffraction			

Age Determination	K-Ar Age method	Rb-Sr Age method	Another method
Identification of fossils	Radiolaria	Nanno-Plankton	Another fossils
* Spot investigation	A	B	C
* Result of geochemical & other analysis	A	B	C
* Summarized evaluation	A	B	C
Other specially mentions			

* boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Siquijor		Mineral * Prospects No.	16. Conmasque (New Frontier)		
Locality *	1/50,000 Topographic No.	* Maria 37474	* X Coordinates	* Y Coordinates	* Altitude	* (m.)
Survey date *	May 24, 1985		Surveyor *	P. Rovillos Jr, A. Lucero		
Compiling data (file No.)	New Frontier					
Metallogenic province	Residual			Country * of rock of Ore Deposits	Calcarenite shale, Basaltic aggl.	
Ore mineral Assemblage	by field observation * psilomerane Mn-oxide Pyrolucite (?)			by X-ray diffraction		
Gangue mineral Assemblage	by field observation * quartz, calcite			by X-ray diffraction		
Alteration mineral Assemblage	by field observation * clay mineral			by X-ray diffraction		
Combination of country rocks *	coralline ls, calcarenites, shale					

Age Determination.	K-Ar Age method	Rb-Sr Age method	Another method
Identification of fossils	Radiolaria	Nanno-Plankton	Another fossils
Spot investigation	A	B	C
Result of geochemical & other analysis	A	B	C
Summarized evaluation	A	B	C
Other specially mentions	Mn deposit located at the contact of the basaltic agglomerate and the clastic (sh) formation.		

* boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Siquijor		Mineral Prospects No. *	17 Nangka (Zomba)	
Locality *	1/50,000 Topographic No. *	Maria 37474	X Coordinates *	Y Coordinates *	Altitude *
Survey date *			4500	6800	40 (m)
Surveyor *	S. Doi				
Compiling data (file No.)	David Cruz				
Metallogenic province	Owner of mining right	Residual			
Ore mineral	Type of Ore Deposits	Brecciated calcarenite			
Assemblage	by microscope				
Gangue mineral	by field observation *				
Assemblage	psilomerane pyrolusite (?) Mn-oxide				
Alteration mineral	by field observation *				
Assemblage	quartz calcite				
Alteration mineral	by field observation *				
Assemblage	agate, quartz calcite clay mineral				
Combination of country rocks	* calcarenite				

Age Determination.	K-Ar Age method	Rb-Sr Age method	Another method
Identification of fossils	Radiolaria	Nanno-Plankton	Another fossils
* Spot investigation	A Necessity of follow up survey is the highest.	B Necessity of follow up survey is high.	C Possibility to consider the follow up survey.
* Result of geochemical & other analysis	A	B	C
* Summarized evaluation	A	B	C
Other specially mentions	Adit continued approx. 300m length (by laborer), and abandoned 30 years ago. Produced 14 years, + 1,000 ⁺ /year, MnO grade > 60%		

* boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Siquijor		Mineral * Prospects No.	18	Pisong	
Locality *	1/50,000 * Topographic No.	Maria 37474	* Coordinates X	1,000	* Y Coordinates	4,550
Survey date *	May 25, 1985		Surveyor *	S. Dai		
Compiling data (file No.)	Emelio Calimpon (died 1983, 80yr old) Hawaii, Plantation laborer					
Metallogenic province			Type of Ore* Deposits	Residual		
Ore mineral Assemblage	by field observation * psilomerane pyrolusite? Mn-oxide		Owner of mining right	Country * rock of Ore Deposits by X-ray diffraction		
Gangue mineral Assemblage	by field observation * Quartz Calcite		by microscope	by X-ray diffraction		
Alteration mineral Assemblage	by field observation * clay mineral calcite		by microscope	by X-ray diffraction		
Combination of country rocks *	Calcarenite, Agglomeratic basalt					

Age Determination.	K-Ar Age method	Rb-Sr Age method	Another method
Identification of fossils	Rodioralia	Nanno-Plankton	Another fossils
* Spot investigation	A Necessity of follow up survey is the highest.	B Necessity of follow up survey is high.	C Possibility to consider the follow up survey.
* Result of geochemical & other analysis	A "	B "	C "
* Summarized evaluation	A "	B "	C "
* Other specially mentions	Adit almost burxied : abandoned 9 years ago : 1 year produced 64% , Mn 55%		
	Adit continue approx 24 m .		

* boxes have to describe on field survey.

Data Sheet for Mineral Prospects

Survey area *	Bohol		Mineral * Prospects No.	19. Boyog	
Locality *	1/50,000 Topographic No. *	Talibon 38503	X Coordinates *	Y Coordinates *	Altitude * (m)
Survey date *	May 23, 1985		T. Yamada, W. Diegor, F. Sajona, N. Baybayan		
Compiling data (file No.)					
Metallogenic province			Surveyor *		
Ore mineral Assemblage	by field observation *		Owner of mining right		
	minor pyrite		Type of Ore* Deposits	hydrothermal vein	
				Country * rock of Ore Deposits	plagiophyric andesite
Gangue mineral Assemblage	by field observation *		by X-ray diffraction		
	quartz clay minerals				
Alteration mineral Assemblage	by field observation *		by X-ray diffraction		
	Fe oxide Mn oxide				
Combination of country rocks *	Andesite porphyry				

Age Determination	K-Ar Age method	Rb-Sr Age method	Another method
Identification of fossils	Radiolaria	Nanno-Plankton	Another fossils
* Spot investigation result of geochemical & other analysis * Summarized evaluation	A Necessity of follow up survey is the highest.	B Necessity of follow up survey is high.	C Possibility to consider the follow up survey.
	"	"	"
	"	"	"
Other specially mentions	<p>Pyritization is very weak. Although argillization is almost total. Mn-oxide occurrence is weak to moderate. No copper mineral was observed although there is a possibility that gold minerals may occur; Chemical analysis of the sample will verify or obviate this possibility.</p>		

* boxes have to describe on field survey.