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*'Gravel: Many (M), Few (F), Rare or none (R) *2Grain size: San *3Topography: Steep (S), Moderate (M), Flat (F) *4Humidity: Dry (

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*'Gravel: Many (M), Few (F), Rare or none (R)
*3Topography: Steep (S), Moderate (M), Flat (F)

Grain size: Sandy (S), Clayey (C) *Humidity: Dry (D), Wet (W)

(Area M)

Sugut

Area: Lower Stream of S.

forest Vegitation secondary REPORT REPORT BY BY BY Bac Bac Bac Bac Bac Bac Bac Bac Bac ***** [--: * N . N OOOOOOOOOO 222222 ت. * ئ Color Depth 888888 2222222222222 722222 222222 Geol. Unit Rock of Basement s.s./shale s.s./shale s.s./shale s.s./shale sandstone shale 1/50,000 Topo. Sheet sungai sungai sungai sungai sungai sungai sungai sungai sungai sungar sungai sunga sunga Sungai 4706.03 4706.08 4706.53 4708.64 4709.55 4710.10 4710.44 4710.73 4710.72 4704.55 4705.17 4705.45 4705.45 4705.72 4705.72 4707.43 4707.92 4707.82 4708.38 4708.91 4709.25 4709.32 Coordinates N E 1582.78 1582.68 1582.40 1582.85 1582.50 1584.17 1582.67 1582.92 1582.92 1582.40 1582.40 1582.29 1582.29 1582.55 1582.55 1582.34 1582.83 1582.83 1582.47 1582.45 1582.95 1582.95 1582.95 Sample KM451 KM452 KM453 KM454 KM455 KM455 KM473 KM474 KM475 KM458 KM459 KM460 KM464 KM465 KM466 KM467 KM468 KM476 KM462 KM463 KM469 KM471 KM472 No. Ser. No. 461 4652 4654 4654 4657 4667 4669 4669 471 473 474 475

*4Humidity: Dry (D), *2Grain size: Sandy (M), Flat (F) (F), Rare or none (R) (S), Moderate *'Gravel: Many (M), Few

* 3 Topography: Steep

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Clayey

(S), Wet

Appendix 11

Analytical results of soil geochemical samples in Area M

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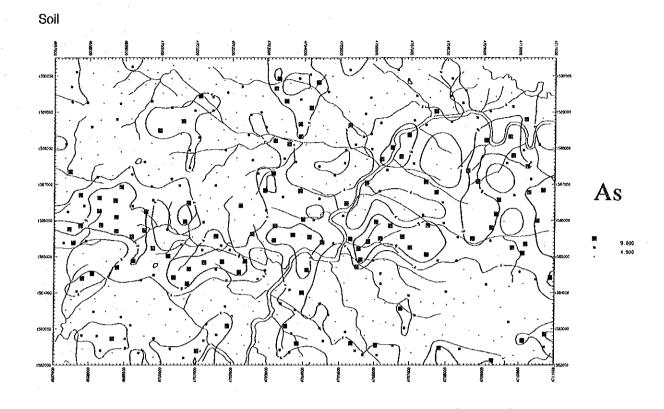
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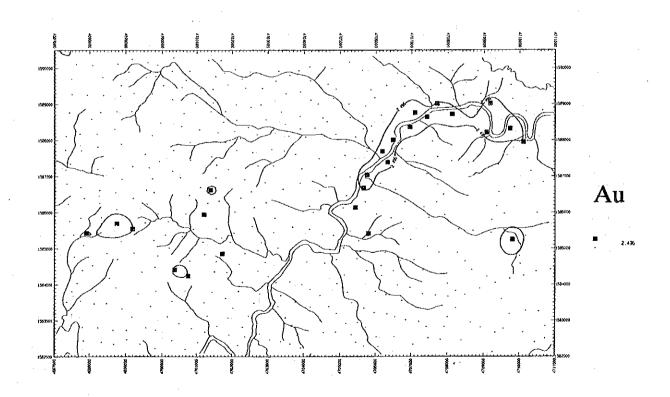
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(km)	180	750	100	3.560	3.020	3. 920	3.370	. 970	3, 740	200	3.670	00	830	350	3, 720	3, 900	900	190	280	2,50	820	440	208	86	730	340	230	470	. 800	. 340	. 740	. 220	900	780	. 200	330	. 880	 840	. 600	. 820	310	220	360	25	870	582, 600	320	. 240
ocation(km)	, ED		200		•	•	•	•-	-		•	-	•	•	•	•				-	_		_	_	-	_	_	_	_	_				•	_	_	-	-	_	_ '	- •	- ,-						
X-coor	1705 221	4706 301	4706, 550	4706. 740	4706.850	4706.970	4707, 140	4707. 220	4707. 320	4707.670	4708,020	4708,000	4708, 220	4708, 220	4708, 480	4708.890	4709, 500	4709, 720	4710, 180	4710, 550	4697, 800	4697, 830	4698. 230	4698, 330	4698, 650	4698. 670	4699, 020	4699, 030	4699, 550	4699, 400	4699.820	4599.816	4700.490	4700.850	4700.670	4701.030	4701, 230	4701.580	4701.920	4702.300	4702.170	4702.377	700 077	4703 370	4703, 580	4703, 820	4703.630	4 (00, 32)
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Sample No.	KAMA		SAZO TABO	0 4 WS																																						AVA 4	2	1000	QV44	6448 8	2444 2444	Ž
š Š	UP	405	403	404	405	406	40	408	403	410	1.7	412	413	414	415	416	417	418	419	420	421	422	423	424	425	67 67	-8	428	429	8	[단 단 단	25.5	434	435	436	437	8	439	945	441	447	443	A 65.	445	447	448	448 948	3

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	e O	2 8	0	2, 4	.; 8	6	. 4	2.2	2	2.2	 ∞	5.0	5.0	8	2.0	2.0	5.0	2.4	2.6	2.2	8	2.2		2.2	2.4	2.0	2.5	
	96	12/2	8	₹.	. 24	24	32	. 27	.27	53	58	24	92.	. 78	. 28	8	. 27	38	33	53	42	. 26	. 25	. 24	8	2	8	
SF	000		9	52	ភ	50	.∞	2	S	35	မ္	3	35	88	36	23	24	45	9		22	34	16	20	တ္	1	.∞	
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S	*	.012	010	.012	. 010	. 010	0.	. 012	. 013	.015	. 013	.011	. 014	. 012	.017	.01	600.	.014	. 012	.016	. 01	.015	.01	.0	. 012	. 012	0.14	
a a	0	12	~	7	12	7	21	 	ഗ	<u>0</u>	12	13	=	22	5	တ္	14	9	œ	5	14	6	7	5	ភ	Ξ	53	
Z	200	ما	œ	တ	14	7	∞	27	14	17	108	ഹ	13	13	<u>:</u>	<u>0</u>	တ	Ξ	2	9	<u>ლ</u>	2	~	ഗ	5	σ	17	
2	36	20.	.04	8	93	33	Ξ	.05	90.	Ξ	.04	50.	<u>8</u>	90.	<u>ლ</u>	90.	90.	. 23	Ξ	8	33	2	.05	.05	2	.04	2	
Q	0	<u> </u>	-	7	8	~		8	~	<u>^</u>	7	_	-	7		ო	^	ო	4	Δ	Δ	^	~	Δ	^	^	^	
<u> </u>	Edd	62	20	<u>ნ</u>	21	34	75	27	8	438	28	ដ	49	37	ය	37	22	ည	82	첧	23	54	11	23	8	24	74	
Mg	%	0	5	. 23	Ξ.	17	. 28	7	27	. 24	8	12	<u>.</u>	8.	.2	. 29	. 23	42	8	1	.37	ស	က္	<u>ω</u>	<u>თ</u>	<u>.</u>	. 21	
×	%		2	9	. 14	. 25	.67	. 21	. 46	6	. 12	8.	. 75	25	8.	&	ж	1.32	ეე ე	8	8	. 75	9	. 24	33	8	ດ	
PH 194	ga	75	37	99	47	93	42	25	57	25	57	72	ည	45	8	\$	11	යි	105	83	104	85	49	2	8	42	8	
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8	Edd	2		Δ	<u>^</u>	7	ঘ	8	~	4	4	۵	က	Δ	4.	က	7	ო	Δ		Δ	8	۵	•	Q	Δ	ഹ	
S S	E C C	48	8	တ္ထ	8	œ	157	27	105	229	44	8	296	129	308 308	105	<u>დ</u>	363	107	ნ	126	279	23	88	0	73	176	:
A	qqq	^	^	^	^	4	Δ	<u>^</u>	<u>^</u>	^	^	<u>^</u>	^	<u>^</u>	<u>^</u>	ς,	<u>^</u>	<u>^</u>	4	<u>^</u>	_	^	^	^	^	_	4	
S¥.	ā	_	ო	4		ဖ	<u>^</u>	4	ഗ	ហ	ഗ	ო	က	7	۲3	4	· -	4	•	တ	Δ	.	=	<u>^</u>	=	ស	4	
n (km)	-coord	32.670	32.680	1582, 920	32, 610	32, 400	32, 820	32, 290	32, 550	32, 280	32, 550	32, 340	32, 830	32. 520	32.830	32. 470	32. 450	32. 950	32, 820	32. 130	32.670	32. 780	32. 680	32. 400	32.850	32, 500	34, 170	
ocation (km)		ſ																										
	80-X	4704.5	4704.8	4705, 170	4705.3	4705.4	4705, 7	4705.6	4706.0	4706.0	4706.5	4707.0	4707.4	4707, 4	4707.9	4707.8	4708.3	4708.6	4708.9	4709.2	4709.3	4709.5	4710, 1	4710, 4	4710, 7	4710, 7,	4709, 7	
) le	Ċ	151	152	153	154	155	1 26	157	82	159	160	161	162	463	3 54	1 55	1 56	167	168	159	4 <u>7</u> 0	171	172	173	174	175	176	
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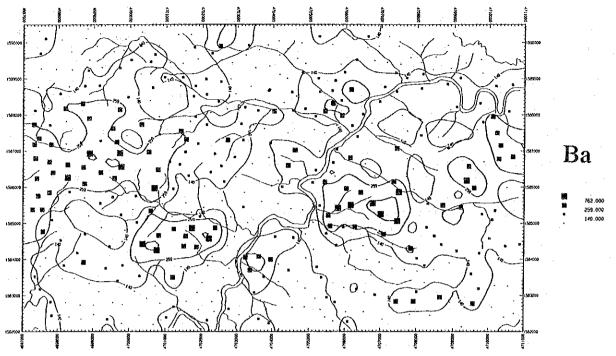
Appendix 12

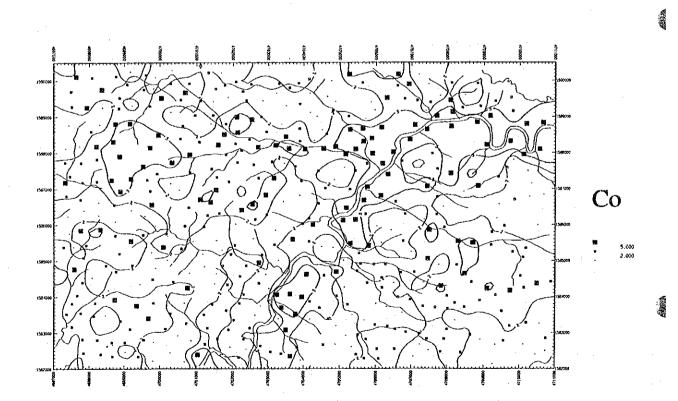
Distribution map of elements in Area M

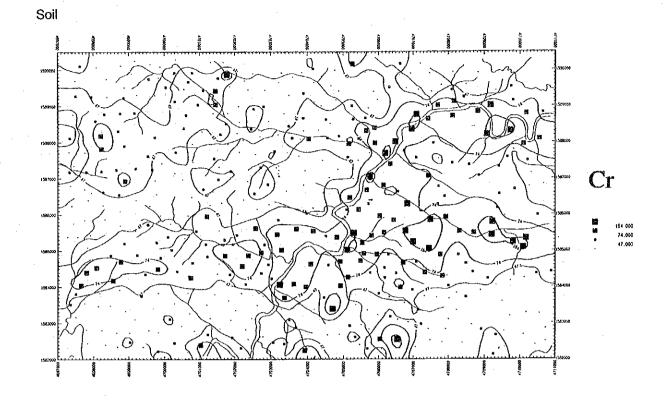


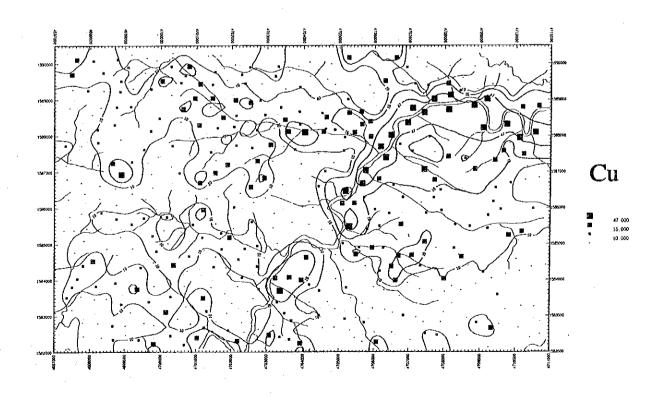




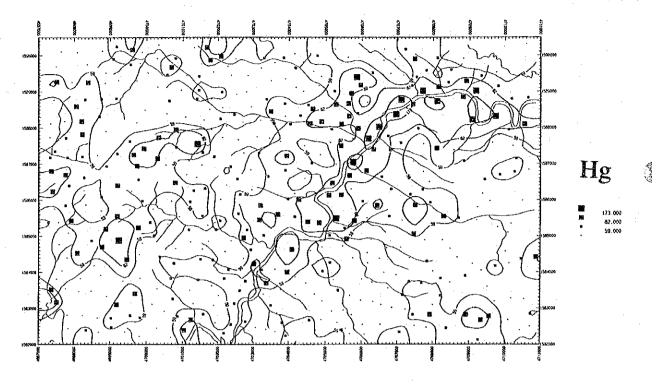


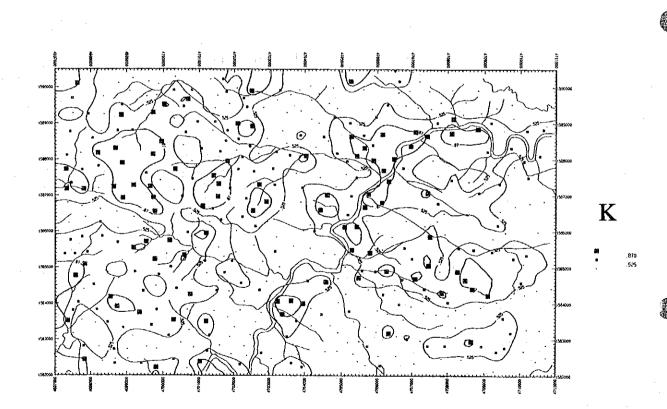


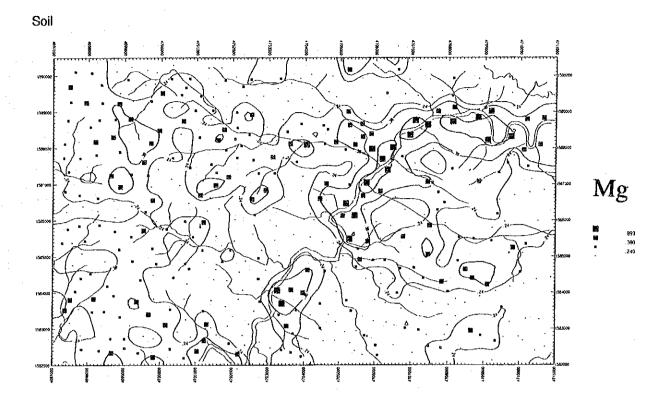


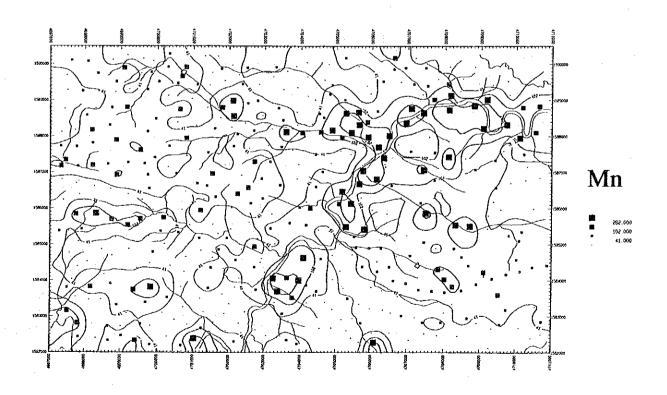




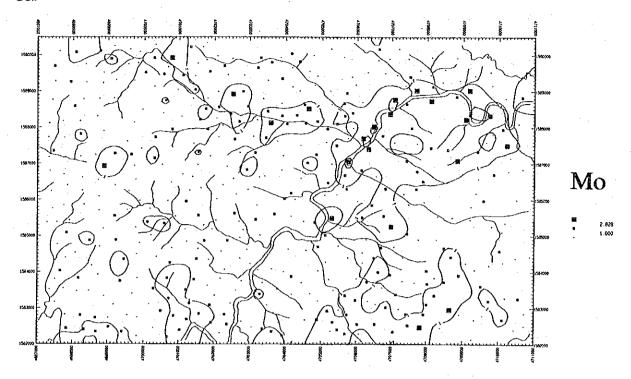


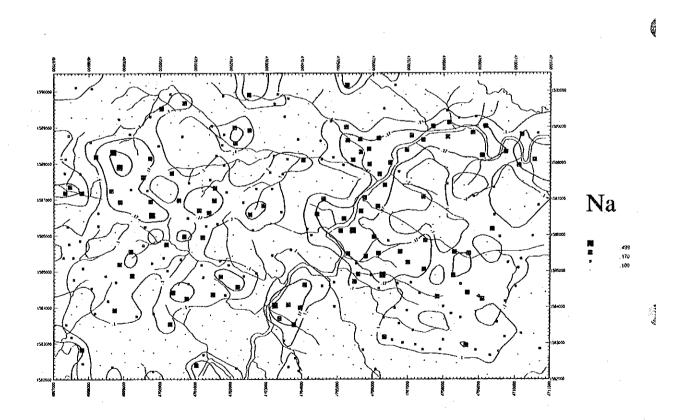




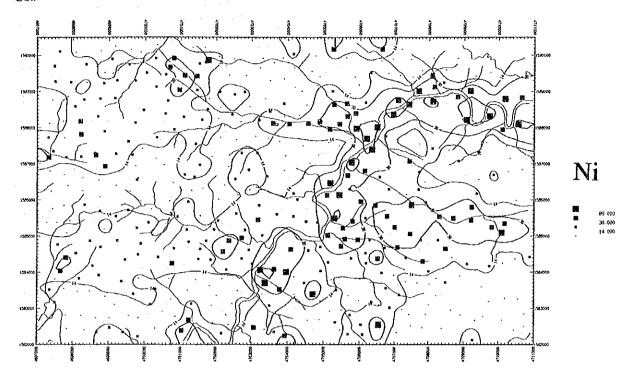


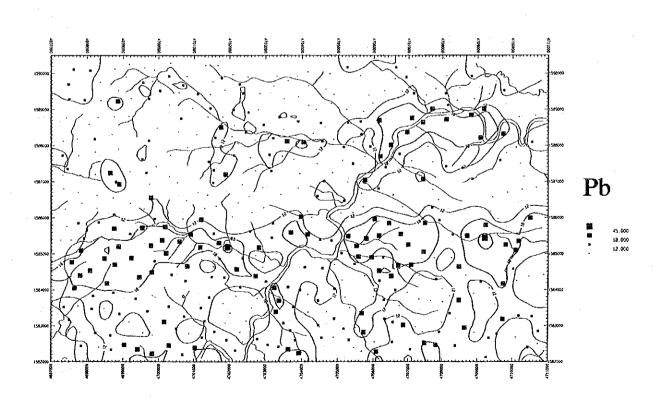




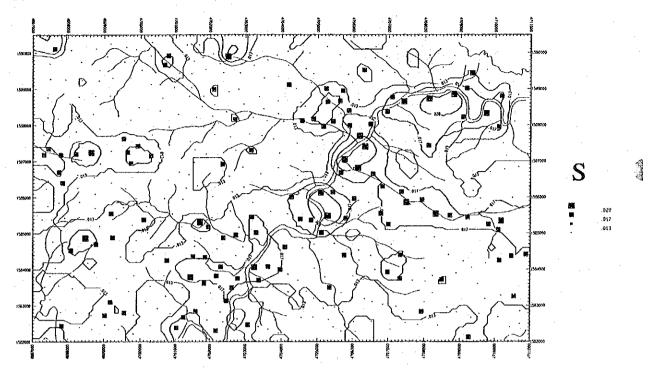


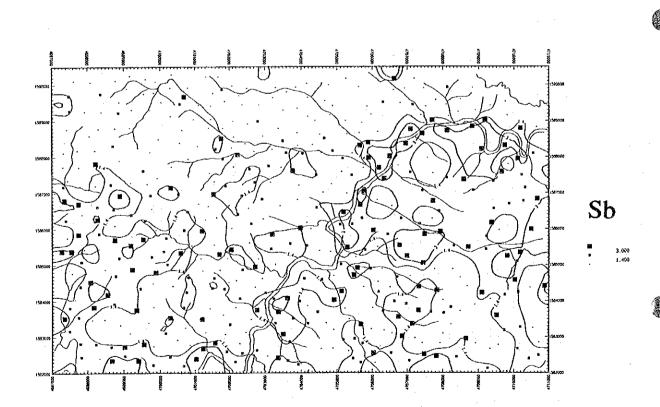




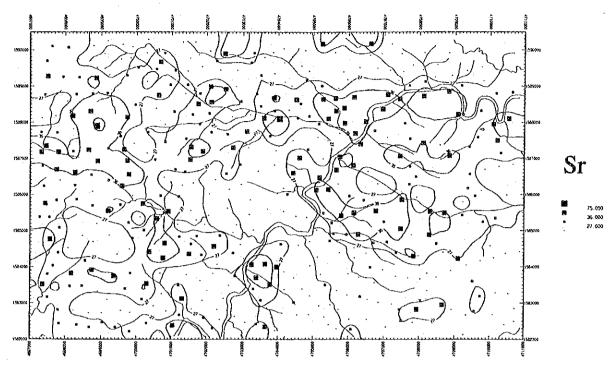


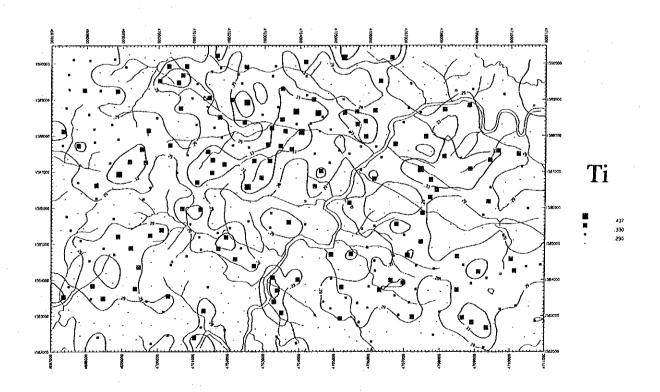




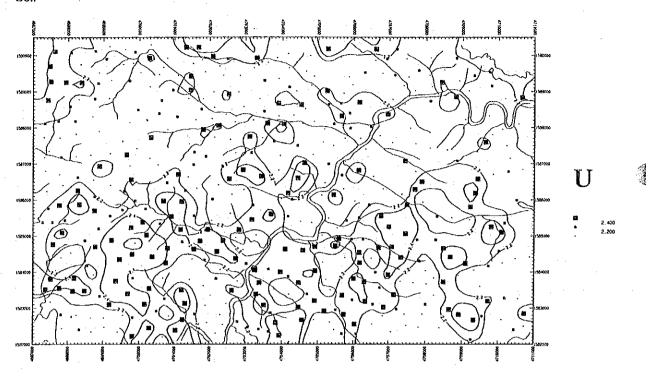


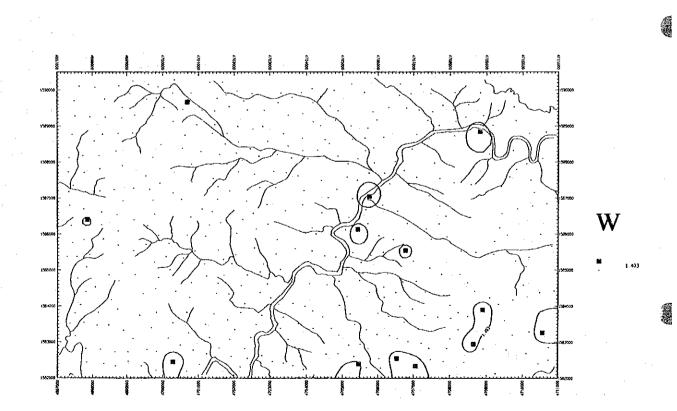




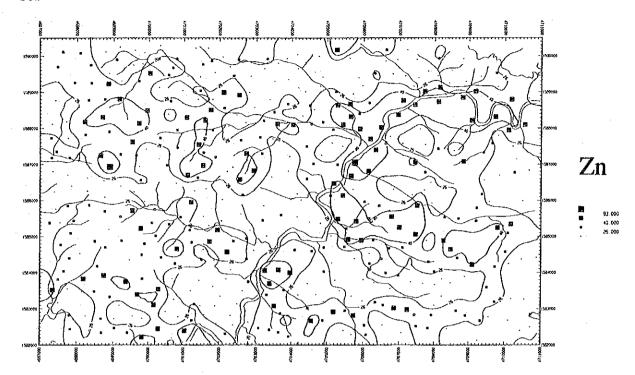












Appendix 13

List of soil geochemical samples in Area N

				•									
Coc	Coordinates N	Rock Name	Geolo. Unit	Horizon of Soil	Depth (cm)	Color		Soil Profile	1	Ω* Ω*		三,4	Vegitation
1521.54	4685.45		P	Ю	20	Y.B.	_ &	2-1	-			3	Soc forest
1521.04	4685.45		P	В	20	Y.B.	8			+-	+-	: B	to for the cos
1521.55	4685.95		Pr	В	20	В.					+	- B	Sec. tol est
1521.00	4686.00		쏪	æ	20	В.				+	+-	B	SOC FORDS
1521.28	4685.70		전	æ	20	Y.B.	⊥.		-	-		3	Sec. tot case
1519.10	4687.53		ᄯ	æ	50	B.						= 3	Section Care
1519.32	4687.33		돲	മ	20	R. B.	8				. 0	<u> </u> -	101 CO 10
1519.35	4687.80		Pr	В	50	R.B.			1 00	- 	2 2	3 3	Sec. 101 cst
1519.75	4687.78		Pr	B	50	γ.	4 B		: <u>c</u>	+-	. v		ser forest
1519.78	4688.22		ᄯ	В	20	B.	8		84	+-		10	sec. forest
1521.55	4688.03		Q,	ДС	50	Y.B.	A B		2.		(I.,	B	Sec. forest
1521.00	4688.01	:	Q ₂	В	20	B.	<u></u>		124	+-	14	Jæ	sec. forest
1521.30	4688.30		0,2	В	50	R.B.	A B		2	-	2	3	Spr. forest
1521.86	4688.40		1ď	В	90	D.B.	8		~	⁰	>	3	Sec. forest
1521.65	4688.53		Pr	В	50	Y.B.	A B		<u> </u>	O	×	3	sec. forest
1521.35	4688.72		Pr	B	20	D.B.	8		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	l O	N.	3	Ser forest
1520.93	4688.60		돲	æ	22	D.B.	A B		1 2	-	v.	B	ton former
1521.89	4688.85		꿈	В	30		_ ~		; <u>(</u>	+	2 0.	: 3	sec. for est
1521.56	4688.98	harzburgite	Pr	æ	20	R. B.	8		1 12	+-	1 12	. c	tone force
1520.99	4688.97		P	В	20	R. B.	A B			> د	, [1	3 3	200.101 CO

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Page 2	Vegitation	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest						
<u> </u>		Se	SS.	»X	χ	χχ	Se.	8	88	sec	se	% Xe	Se.	Sec	» Šé	Sec.	Sec	sec	% Xe	še	»	
	m*	B	<u> </u>	<u>i</u>	*	æ	∌⊭	B≊	∄ ≅	A	≥=	:≥	æ	3	*	: 3 \$	B=	35.	35.	А	B ≠	
	* *	Ω	E	×	ţĽ	ഥ	(IL	S	Ω	ß	S	[±4	S	ഥ	įž,	ഥ	ĹĮ.	ഥ	124	S	ſĽ,	Œ
. :	.S. *2.	ບ		ပ	w	IJ.	ပ	ಬ	ర	ပ	ပ	ಬ	ပ	ပ	ပ	ပ	ပ	U	U	ပ	ပ	flat
. "	ය *	~	24	ഥ	×	æ	æ	<u>pc;</u>	<u>a</u>	255	(IL	<u>~</u>	æ	LL,	æ	E	~	~	2	æ	84	, (E)
	Soil Profile			÷																		** Topography: steep (S), moderate (
														<u>-</u>								by:
	~-	 	8	8	<	മ	<u>~</u>	83	8	മ	22	82	82	മ	8	8	Ω	Ω.	∞	හ	8	grapi
				_<-	-		_ = =			-2-	₹.		_ <	==	_≪_	_ਵ_	Ų.	⋖	ব	¥	<	Topo
	Color	D.B.	B.	R. B.	D. B.	Y.B.	D.B.	D.B.	D.B.	D.B.	Y.B.	В.	Y.B.	ë.	B.	Y.B.	L.B.	ю.	Y.B.	R.B.	Y.B.	. e* (O)
	Depth (cm)	30	90	20	20	20	20	20	20	20	20	90	99	09	09	20	20	20	20	20	09	clay
	Horizon of Soil	g.	В	Ø.	В	B	8	В	В	В	В	B	В	В	В	В	B	В	В	В	B	sandy (S),
	Geolo. Unit	뫈	Pr	ᄯ	స	જ	몺	Pr.	돲	Pr.	拓	Cs.	Cs.	몺	Pr	Pr	. 0,	0,1	0,1	P.	cs)	size:
						:	·															Grain
	Rock Name											ļ. -		harzburgite	***************************************							(M), few (F) , rare or none (R) . *2
trea N)	Coordinates N	4689.23	4689.47	4689.28	4689.48	4691.88	4691.89	4691.73	4690.75	4690.24	4689.21	4691.50	4685.26	4685.49	4685.53	4685.72	4685.72	4686.02	4685.98	4689.00	4686.55	(F), rare
West of Telupid (Area N)	Coor	1521.85	1521.50	1521.20	1520.98	1520.95	1520.52	1519.95	1519.32	1519.27	1519.25	1520.80	1520.23	1520.54	1520.05	1520.74	1520.30	1520.53	1520.00	1521.23	1520.00	(M), few
	Sample No.	LN021	TN022	1N023	LN024	LN025	LN026	LN027	1N028	LN029	TN030	LN031	LN032	LN033	LN034	LN035	TN036	LN037	LN038	LN039	LN040	*1 Gravel: many
Area:	Ser. No.	21	22	23	24	25	52	27	28	29	30	31	32	33	34	35	36	37	38	39	40	1 Grav

** Gravel: many (M), Tew (r), ** Humidity: dry (D), wet (W).

Page 3	Vegitation	sec. forest	sec.forest	sec. forest																		
	H.*	Q	#=	354	8=	200	₽	E 3 =	≋	Ω	Α	<u>_</u>	3	*	*	i≥	35	35	*	≋	35	
		S	S	S	114	H	S	æ	S	S	M	M	ш	LL	jz.,	ırı	ţĽ,	S	ഥ	江	ţz _H	(<u>E</u>)
	V2*	ပ	ပ	U	ပ	IJ,	Ç	ပ	ပ	ပ	ပ	ပ	ပ	ပ	ပ	O	၁	ပ	U	ပ	ပ	flat
	ರ;∓	æ	pa;	æ	æ	æ	84	ш	æ	æ	æ	æ	×	æ	æ	E	æ	~	124	æ	ш	(M), f
	Soil Profile																					Topography: steep (S), moderate (M
	-	ဆ	A B	A B	Ω.	8	B	8	Ω	മ	625	జ	A B	8	B .	8	8	20	8	۵۵	<u>~</u>	ography
	Color	R.B.	Y. B.	R.B.	B.	R.B.	Y. A	D.B. A	B.	R.B.	R.B.	R.B.	L.B.	B.	B.	D.B.	D.B. A	D.B.	Y.B. A	D. B.	D.B.	# *
	Depth (cm)	20	50	50	50	20	20	20	20	20	20	50	20	20	20	50	50	50	20	20	20	clay (C)
	Horizon of Soil	В	æ	æ,	В	В	æ	æ	В	В	В	В	В	В	В	В	В	В	В	B	В	sandy (S)
	Geolo. Unit	Pr	S)	Pr	Pr	02	Pr	0,2	Pr	Pr	Pr	뀸	Pr	Cs	Cs	Cs	Cs	Pr	Pr	Cs	Cs	Grain size:
	Rock Name																					(R) . *2
Area N)	Coordinates N	4689.25	4687,00	4688.71	4686.56	4688.01	4688.00	4688.24	4688.30	4688.53	4688.48	4688.80	4688.98	4689.02	4689.27	4689.52	4689.47	4688.53	4689.97	4690.32	4690.54	** Gravel: many (M), few (F), rare or none
West of Telupid (Area N)		1521.50	1520.07	1521.60	1520.00	1520.53	1520.00	1520.77	1520.25	1520.45	1519.99	1520.81	1520.48	1520.10	1520.74	1520.47	1520.02	1520.70	1519.93	1520.22	1520.38	(M), few y (D), wet
	Sample No.	LN041	LN042	LN043	LN044	LN045	LN046	LN047	LN048	LN049	LN050	LN051	LN052	LN053	LN054	LN055	LN056	LN057	LN058	LN059	LN060	el: many lity: dr
Area:	Ser. No.	4	42	43	44	45	46	47	48	49	20	21	22	53	54	22	99	57	28	23	09	Grave

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Area	Area: West of	F Telupid (Area N)	Area N)							-						Page 4
Ser. No.	Sample No.		Coordinates N	Rock Name	Geolo. Unit	Horizon of Soil	Depth (cm)	Color		Soil Profile	(cm)	 	*S*	T. H.		Vegitation
61	LN061	1519.97	4690.50		Pr	В	50	Y.B.	8		-	ρ:	 ပ	[II.		sec.forest
62	LN062	1520.23	4690:77		cs	В	50	D.B.	A B			<u>~</u>	ت ت	βs. (Δ.,		sec. forest
63	FN063	1520.90	4691.00		S)	g	20	D.B.	8			R (C:]	j j		bush
64	LN064	1520.43	4690.98		Cs.	8	50	D.B.	8			LT.	S	H.		bush
65	1 TN065	1520.52	4691.45		S)	В	50	D.B.	89	· · ·		R	၁	F		sec. forest
99	990NT 9	1520.12	4691.43		Pr	B	50	D.B.	Α. Β		÷	~	ပ	ÐE LL:		sec. forest
67	LN067	1519.58	4685.53		CS	В	20	Y.B.	A B			8	ນ	EE Liv		sec. forest
89	1 LN068	1519.52	4685.93		Q ₁	В	20	L.B.	A B			24	C	E.		sec. forest
69	690NT	1519.55	4686.54		cs	В	20	В.	B			8	ນ	F		sec. forest
70	LN070	1519.53	4687.03	chert boulder	Cs	В	50	R.B.	A B			3 8	<u>.</u>	S		sec. forest
7.1	LN071	1519.62	4687.55		Pr	æ	20	R.B.	A B	•		p.c.	<u>۔۔۔۔</u> ن	S		sec. forest
72	LN072	1519.58	4687.99		Pr	B	20	В.	я В			æ	ບ	S		sec. forest
73	LN073	1519.65	4688.45		S)	В	20	D.B.	, B			œ	ນ	出		sec. forest
74	LN074	1519.70	4688.69		s)	B	20	D.B.	В			R	ນ	F		sec. forest
75	LN075	1519.55	4689.00		Pr	В	90	D.B.	g w	\$- hu 4h		R	Ĵ	M		sec. forest
76	1 LN076	1519.65	4689.32		Pr	В	20	D.B.	8 B			×	ບ	S		sec. forest
77	. LN077	1519.42	4689.53	And the state of t	Pr	В	20	D.B.	8			~	ບ	S		sec. forest
78	LN078	1519.75	4689.74		Pr	В	20	D.B.	В			æ	ပ	S		sec. forest
79	LN079	1519.50	4689.98		Pr	В	90	D.B.	8			~		:S		sec. forest
80	LN080	1519.73	4690.25		ᄯ	В	20	D.B.	82			[T.	၁	ω. 	Š	sec. forest
*1 Gra	wel: many idity: dr	Gravel: many (M), few (F), rare or none Humidity: dry (D), wet (W).	(F), rare	or none (R). *2 Grain	size:	sandy (S),	clay (C)	₩ *	Topography:	steep (S),	moderate ((M), fl	flat ((F).	*	

-A114-

Area:	West of	Area: West of Telupid (Area N)	(Area N)												jl.d	Page 5
Ser. No.	Ser. Sample No. No.		Coordinates N E	Rock Name	Geolo. Unit	Geolo. Horizon Unit of Soil	Depth Color	Color	rb.	Soil Profile	9* (ea)	* * * *	×	H=*	, ve	Vegitation
81	LN081	1519.50	4690.45	81 LNO81 1519.50 4690.45 peridotite	뫈	В	50	D. B.	A B			R C S	S	╞		sec. forest
82	82 LN082	1519.77	4690.77	1519.77 4690.77 peridotite	뀨	æ	20	D. B.	മ		<u>~</u>	ω C	<u> </u>	=	_	sec. forest
83	LN083	1519.90	4691.02	83 LNO83 1519.90 4691.02 peridotite	Pr	В	20	D.B.	8 V			R	[14		+	sec. forest
84	LN084	84 LN084 1519.55 4690.98	4690.98		Pr	æ	20	D. B.			<u>~</u>	10	S		+	sec. forest
85	LN085	85 LN085 1519.45 4691.55	4691.55		S)	æ	99	D. B.	8			\ \ \ \	[1.4	≥	╁	sec. forest
											-			_	_	

few (F), rare or none (R). *2 Grain size: sandy (S), clay (C). *3 Topography: steep (S), moderate (M), flat (F).

ge 6	Vegitation	sec. forest	forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest									
Page	Vegit	sec.	sec.	sec.	sec.:	sec	sec.	Sec.	sec.	sec.	sec.	sec.	sec.	sec.	sec.	sec.	sec.	sec.	sec	sec.	sec.	
	щ*	#	3=	<u> </u>	≋ =	<u> </u>	<u>:</u>	D	:3¢	. #	Ω	5=	≫	W	9≉=	W	W	W	Ħ	D	#	
	, en [4 #	ţz.	jı.	S	F	ᄕᆚ	æ	W	Æ	S	S	ப	ĹĿ	M	W	M	S	S	S	[Է,	ш	
	ς2.* Ω	သ	ಬ	ວ	ລ	ນ	ပ	ပ	ပ	C	၁	၁	၁	ပ	၁	ပ	၁	၁	၁	၁	၁	
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	Profile																		ပ	<u>[]</u>		
	Soil F	В	В	8	3	മ	8	ဆ	В	82	8	၁	В	8	83	8	8	B	·		හ	
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		s	-4-	-4-	Å	4	<u></u>	Ą.	-44	_₩	v_	1		٧		₩.		A	Ξ.	Ä	₹1	l
	Color	Y.B.	Y.B.	В.	B.	Y.B.	B.	R.B.	R.B.	Y.	B.	R.B.	B.	R.B.	D.B.	Y.B.	D. B.	D. B.	D.B.	R.B.	D.B.	
	Depth (cm)	150	150	150	150	150	150	150	150	150	150	06	150	150	150	150	150	150	011	110	150	
		ر ن	В	£	В	В	В	В	В.	В	В	၁	В	В	В	æ	В	В	ບ	ပ	33	
	Horizon of Soil																					
	Geolo. Unit	뀨	뫈	몺	뀨	Pr	P.	Pr	ъď	돲	돲	O,	0°z	02	돲	꿉	꾭	Pr	Pr	Pr	ᄯ	
	lame											1		.		 				Ę.		
	Rock Name																			harzburgi te		
	24																			arzb		
		5	ις.	ις.	0	0	m	0.0	0	80	67	<u>~</u>		0	0	<u>155</u>	52	0	iÇ.			
$\widehat{\mathbf{Z}}$	ல்ங	4685.45	4685.45	4685.95	4686.00	4685.70	4687.53	4687.33	4687.80	4687.78	4688.22	4688.03	4688.01	4688.30	4688.40	4688.53	4688.72	4688.60	4688.85	4688.98	4688.97	
(Area	linat -	46	46	94	46	46	48	#	4	46	46	4		34	4	7	4	4	4	7	44	
bic	Coordinates N	1521.54	1521.04	1521.55	1521.00	1521.28	1519.10	1519.32	1519.35	1519.75	1519.78	1521.55	1521.00	1521.30	1521.86	1521.65	1521.35	1520.93	1521.89	1521.56	1520.99	
Telu	Z	152.	152.	152	152	152.	151	151	151	151	151	152	152	152	152	152	152	152	152	152	152	
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West of Telupid (Area N)	Sample No.	LN201	LN202	LN203	LN204	LN205	LN206	LN207	LN208	LN209	LN210	1.N211	LN212	LN213	LN214	LN215	LN216	LN217	LN218	LN219	LN220	Ì
Area:	Ser. No.	98	87	88	88	06	91	92	93	94	95	96	97	98	66	100	101	102	103	104	105	
	L			·	4		<u> </u>	J	L	·	·	·		4			4			<u> </u>		_

** Gravel: many (M), few (F), rare or none (R). *2 Grain size: sandy (S), clay (C). *3 Topography: steep (S), moderate (M), flat (F). *4 Humidity: dry (D), wet (M).

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Page 7	Vegitation	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest									
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	Soil	S	8		8	<u>م</u>	<u>~</u>	ω	ω.		8	ക	8	В	۵	8	ھا	8	8	8	8	Topography: steep
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	Depth (cm)	100	150	110	150	150	150	150	150	100	150	150	150	150	150	150	150	150	150	150	150	clay
	Horizon of Soil	٥	В	2	g -	£	g	ф	В	ا ن	ນ :	<u>α</u>	ບ	B.	g	g ·	၁	8	മ	g	ລ.	sandy (S),
	Geolo. Unit	Pr	Pr	Pr	Cs.	CS.	Pr	Pr	P.	F	P.	S)	S)	Pr	Pr	Pr	0,	Q_1	0,	Pr	S)	n size: sandy
	Rock Name					-								harzburgite								or none (R). *² Grain
trea N)	inates E	4689.23	4689.47	4689.28	4689.48	4691.88	4691.89	4691.73	4690.75	4690.24	4689.21	4691.50	4685.26	4685.49	4685.53	4685.72	4685.72	4686.02	4685.98	4689.00	4686.55	(F), rare $G(F)$
West of Telupid (Area N)	Coordinates N	1521.85	1521.50	1521.20	1520.98	1520.95	1520.52	1519.95	1519.32	1519.27	1519.25	1520.80	1520.23	1520.54	1520.05	1520.74	1520.30	1520.53	1520.00	1521.23	1520.00	* Gravel: many (M), few (F), rare or none * Humidity: dry (D), wet (W).
	Sample No.	LN221	LN222	LN223	LN224	LN225	LN226	LN227	LN228	LN229	LN230	LN231	LN232	LN233	LN234	LN235	LN236	LN237	LN238	LN239	LN240	al: many lity: dry
Area:	Ser. No.	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	*¹ Grave *4 Humic

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Page 8	Vegitation	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest								
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	×.52	၁	၁	ပ	ນ	ນ	၁	ಬ	ນ	ပ	ပ	ပ	ပ	U	υ	U,	υ	ນ	U	υ	ပ	flat
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	(сш)																					
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	Soil							82		- ex									٠.			
	· _										!	:										Topography:
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	Color	B.	Y.B.	B.		mi.		ξ.			m.	R.B.	B.	1		D. B.	R.B.	D.B.	Y. B.	D.B.	Y.B.	₩ *
		R.	Y.	R.	Ä	~:	Υ.	D.	<u>m</u>	mi	œ	E.	i	ei 	mi	ď	æ	ď	>-	Ċ	>	(C)
	Depth (cm)	150	150	150	150	150	150	120	150	100	150	150	150	150	150	150	150	150	150	150	150	clay
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	izon Soil	В	В	В	Ω	В	В	2	8	ပ	В	m	В	၁	æ	В	∞	ပ	_ مم	B	£	
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	Geolo. Unit	P-84)	1	1	3	11		1-1-4	14		<u> </u>	ц					124	ш,		9	
																						•² Grain
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	Rock Name																					(R)
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																					-	g
2	Ø	4689.25	4687.00	4688.71	4687.55	4688.01	4688.00	4688.24	4688.30	4688.53	4688.48	4688.80	4688.98	4689.02	4689.27	4689.52	4689.47	4688.53	4689.97	4690.32	4690.54	rare
rea	nate E	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468	468	469	469	£
d (A	Coordinates N	50	07	09	00	53	00	1.1	25	45	66	81	48	10	74	47	05	70	93	22	38	ew ()
lupi	N Co	1521.50	1520.07	1521.60	1520.00	1520.53	1520.00	1520.77	1520.25	1520.45	1519.99	1520.81	1520.48	1520.10	1520.74	1520.47	1520.02	1520.70	1519.93	1520.22	1520.38), f
f Te		1	1	1	1	1	1		-	1	1	-	1		1	1	1	1	1	1	-	y ry (M
West of Telupid (Area N)	Sample No.	LN241	LN242	LN243	LN244	LN245	LN246	LN247	LN248	LN249	LN250	LN251	LN252	LN253	LN254	LN255	LN256	LN257	LN258	LN259	LN260	man y: d
							-											-				Gravel: many (M), few (F), rare or none Humidity: dry (D), wet (W).
Area:	Ser. No.	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	Gra
	L		أحسميسا		L	L					L	L				اسسا	نــــا	<u></u>	اا	لببسا		* *

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Page 9	Vegitation	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest	
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	Color	Y.B.	D. B.	L.B.	L.B.	23	R. B.	R.B.	m.	B.	D.B.	D.B.	D. B.	Y.B.	Y.B.	D.B.	D.B.	eo *				
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	Depth (cm)	150	150	110	100	150	150	150	150	150	150	150	150	150	150	150	150	150	130	150	150	clay
			-								-		ļ									(S),
	Horizon of Soil	В	В	В	В	В	æ	23	Э	щ	æ	Ω	œί	ω	മ	മ	Ω	മ	U	മ	Ω	
											ļ			<u> </u>					-			sandy
	Geolo. Unit	Pr	S)	છ	Cs	Cs	Pr	S	Q ₁	SS	S	P.	꿆	SS	Cs	ŀŁ	Pr	Pr	T.	Pr	Pr	sıze:
	తప															1.						ain s
	Rock Name										chert boulder											*: Gravel: many (M), few (F), rare or none (R). *2 Gra*+ Humidity: dry (D), wet (W).
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ea N	Coordinates N	4690.50	4690.77	4691.00	4690.98	4691.45	4691.43	4685.53	4685.93	4686.54	4687.03	4687.55	4687.99	4688.45	4688.69	4689.00	4689.32	4689.53	4689.74	4689.98	4690.25) () ()
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upic	S _×	1519.97	1520.23	1520.90	1520.43	1520.52	1520.12	1519.58	1519.52	1519. 55	1519.53	1519.62	1519.58	1519.65	1519.70	1519.55	1519.65	1519.42	1519.75	1519.50	1519.73	. fe
f Tei		ä	11	ä	ä	77	끔	<u></u>	뀨	끍	15	15	15	1.5	15	<u>:</u>	15	15	13	15	15	.y (8)
West of Telupid (Area N)	Sample No.	LN261	LN262	LN263	LN264	LN265	LN266	LN267	LN268	369	27.0	17.1	272	773	374	375	3.76	11.	378	73	LN280	many :: dr
	S.							— i		LN269	LN270	LN271	LN272	LN273	LN274	LN275	LN276	LN277	LN278	LN279	 f	vel: idity
Area:	Ser. No.	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	Grav
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Page 10	Vegitation	sec. forest	sec. forest	sec. forest	sec. forest	sec. forest
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	.e ₩}	S	F	F	S	(x.
	№ *	C	၁	၁	၁	ົວ
	હ#	24	(II.4	ഥ	α;	Ħ
	(cm)	~				
	Soil Profile	A B	8	8	8	8
	Color	D. B.	R. B.	D.B.	D. B.	Y.B.
	Depth Color	150	150	150	150	150
	Geolo. Horizon Unit of Soil	В	В	В	В	В
	Geolo. Unit	Pr	Pr	Pr	뫈	sy)
	Rock Name	66 LN281 1519.50 4690.45 peridotite	67 LN282 1519.77 4690.77 peridotite	68 LN283 1519.90 4691.02 peridotite		
Trea N)	inates	4690.45	4690.77	4691.02	4690.98	4691.55
ea: West of Telupid (Area N)	Coordinates N E	1519.50	1519.77	1519.90	69 LN284 1519.55	70 LN285 1519.45 4691.55
West of	r. Sample No. N	LN281	LN282	LN283	LN284	LN285
ë	į .	99	67	68	69	70

**! Gravel: many (M), few (F), rare or none (R). *2 Grain size: sandy (S), clay (C). *3 Topography: steep (S), moderate (M), flat (F). *4 Humidity: dry (D), wet (W).

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Analytical results of soil geochemical samples in Area N

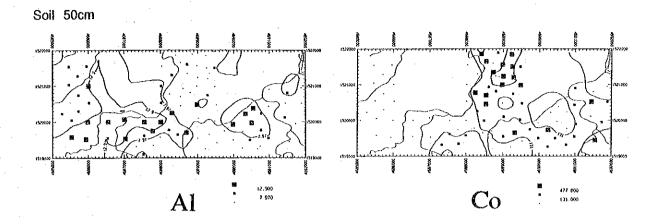
	Z E	12	4	: %	76	45	1709	4595	6145	401	2377		- 6	200	S S	986	8354	8383	7746	4093	13114	5835	6293	25	9899	1249	8	2295	2284	3771	3361	408	291	4	605	53	88	(3)	S 1	ခြင်	200	732	222	8 8	252	<u>8</u> 8	8 5	707	2057	10375	5453
	n %		9 6 6		3.79	10.47	21.55	40.91	40.82	9.46	21.88	25.0	7 5	3 6	2; 2;	41.97	40.13	36. 14	24.80	4. 8	38.27	36, 07	32, 51	11.03	31, 36	12.41	5.33 5.33	28.86	18, 73	35, 47	27.80	ы 88	13.83	დ 82	79	3, 47	0, 45	8 6 7	8.	3 - 8	3 S	36	, o	8 8 8 8	200	25.80	8 6 6	9 g	2 2	36.95	88 88
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, ,	$\mathbf{o} \sim$	1521, 540	1521,040	1521, 550	1521,000	1521, 280	1519, 100	1519, 320	1519, 350	1519, 750	1519, 780	1521, 550	1521 000	1501 200	1521 060	200.	1521. 550	1521.350	1520, 930	1521.830	1521.560	1520.990	1521.850	1521, 500	1521, 200	1520, 980	1520, 950	1520, 520	1519, 950	1519. 320	1519, 270	1519, 250	1520, 800	1520, 230	1520, 540	1520, 050	1520, 740	1520. 500	1520, 350	1521,000	1520 000	1521 500	1670	1520.070	1520.000	1520, 000	1520 000	1520, 770	1520, 250	1520, 450	1519, 990
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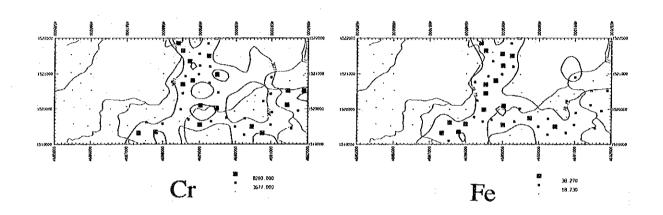
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Sample	Ş.	LN051	LN052	LN053	LN054	LN055	LN056	LN057	LN058	-N059	LN060	LN061	LN062	LN063	LN064	LN065	LN056	LN067	LN068	CN069	LN070	LN071	LN072	LN073	LN074	LN075	LN076	LN077	LN078	LN079	LN080	LN081	LN082	LN083	_N084	LNUSS
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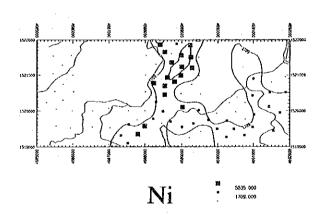
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or vecone	ion (km)	Ţ	1521, 540	1521, 040	1521, 550	<u> </u>		1019		1519 750	1519.780	1521 250	1521 000	1521.300	1521 960	1501.000	1501 350	1520 930	1521 890	1521 560	1520, 990	1521 850	1521.500		1520 980		1520, 520								s c	i c	ć		: .:	1520,000	1521, 500	1520.070		-	1520.550	1520, 000	1520.250	1520, 450	1519, 990
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	e	%	37.05	12, 53	17.28	13.	16.41	24.01	38.07	15, 64	19, 52	12.60	<u>0</u>	27.16	18. 93	14, 47	32. 28	35.02	13. 60	16, 45	18, 33	13, 21	35.31	40.46	23, 14	26.04	46. 8	36. 28	9. 52	39, 02	23, 96	27.37	38.09	6. 33	36.67	88. 5	27, 15
	b	ā	8324	24	2684	7926	5605	5736	5215	178	2784	1452	1680 890	4205	5614	3861	10119	7959	165 2	870	2842	318	9213	10466	8022	6297	9664 4	8097	1363	6420	6738	9800 9800	10396	413	9052	22	7521
ysis(2)	8	E d	747	27	8	433	349	373	804	138	41	24	49	181	323	260	594	144		32	22	33	252	561	120	97	271	632	46	997	426	909	222	23	567	380	499
ical Anal	AI	%	2.72	11.11	14. 22	7. 92	7. 48	დ წ	1.94	14.32	15.08	13. 52	13.67	12.57	4.37	3.07	5.01	., 88	13.91	15.82	13, 05	15, 17	7. 50	4, 62	10.30	13, 79	5. 35	6. 88	8 3	3, 15	4.99	ა მ	7.31	9.08	6.48	7.28	ည် စဉ်
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List	tocat	X-coord	4688, 800	4688, 980	4689, 020	4689.270	4689, 520	4689, 470	4638, 530	4689, 970	4690, 320	4690, 540	4690, 500	4690, 770	4691, 000	4690, 980	4691, 450	4691, 430	4685, 530	4685, 930	4686. 540	4687, 030	4687.550	4687, 990	4688. 450	4688.690	4689, 000	4689, 320	4689, 530	4689, 740	4689, 980	4690, 250	4690, 450	4690, 770	4691.020	4690, 980	4691, 550
	Sample	,	l																																LN283		
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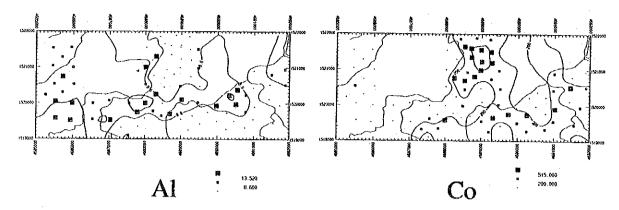
Distribution map of elements in Area N

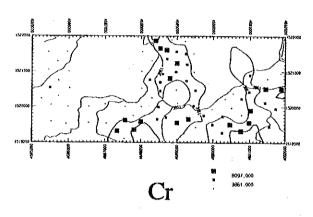


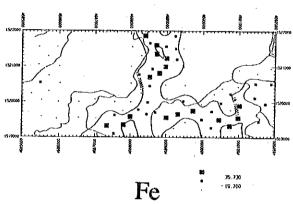


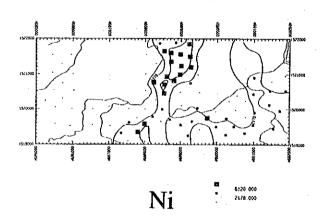












List of stream sediment geochemical samples in Area ${\tt P}$

Area: S. Mailo (Area P)

Page 1

		7 (111 (121 17									1 486 1
Ser. No.	Sample No.	Coordi N	nates E	Name of Stream	Geology	Geol. Unit	0rder	Width (m)	Flow	Size	Color
1 2 3 4 5 6 7 8 9	LP501 LP502 LP503 LP504 LP505 LP506 LP507 LP508 LP509 LP510	1516. 91 1516. 63 1516. 42 1516. 38 1516. 33 1516. 14 1515. 92 1516. 25 1516. 43 1516. 53	4686.36 4686.43 4686.52 4687.28 4687.40 4687.49 4686.72 4687.35 4687.59	S. Wasai S. Wasai S. Wasai S. Wasai S. Wasai S. Wasai S. Wasai S. Wasai S. Wasai	gabbro gabbro dolerite	Gb Gb Gb Gb Gb Gb Gb	2 2 2 2 1 1 1 1 1 1	5.0 5.0 5.0 4.0 3.5 3.0 1.5 1.5 2.0	3 4 4 4 4 4 4 3 4	1 1 1 1 1 1 1	B. B. B. B. B. B. B. B. B. B. B. B. B. B
11 12 13 14 15 16 17 18 19 20	LP511 LP512 LP513 LP514 LP515 LP516 LP517 LP518 LP519 LP520	1514.93 1515.21 1515.48 1515.09 1515.34 1514.35 1514.58 1514.62 1514.23 1514.08	4686. 06 4686. 44 4686. 73 4686. 46 4686. 20 4686. 39 4686. 69 4686. 20 4686. 43	S. Walitanah S. Walitanah S. Walitanah S. Walitanah S. Walitanah S. Walitanah S. Walitanah S. Walitanah S. Walitanah	dolerite dolerite gabbro dolerite gabbro dolerite dolerite dolerite	Gb Gb Gb Gb Gb Gb Gb	2 2 1 1 1 1 1 1 1	5.0 3.5 1.5 1.0 2.5 3.0 2.0 1.0 3.0	3 4 2 4 3 4 4 4	1 1 1 1 1	B. B. B. B. B. B. B. B. B. B. B. B. B. B
21 22 23 24 25 26 27 28 29 30	LP521 LP522 LP523 LP524 LP525 LP526 LP527 LP528 LP529 LP530	1513. 93 1513. 82 1513. 56 1513. 37 1513. 00 1512. 77 1516. 70 1516. 45 1516. 09 1515. 89	4686. 64 4686. 07 4686. 22 4686. 42 4686. 09 4686. 34 4690. 90 4690. 82 4690. 61 4690. 39	S. Walitanah S. Walitanah S. Walitanah S. Walitanah S. Walitanah S. Mailo S. Mailo S. Mailo S. Mailo	peridotite peridotite peridotite peridotite peridotite peridotite peridotite	Gb Gb Pr Pr Pr Pr Pr	1 1 1 1 1 4 4 3	1.5 3.5 2.5 2.0 2.5 1.0 15.0 20.0 8.0 10.0	4 3 4 3 4 2 4 3 3	1 1 1 1 1 3 1 3 2	B. B. B. B. B. R. B. R. B. R. B. R. B.
31 32 33 34 35 36 37 38 39 40	LP531 LP532 LP533 LP534 LP535 LP536 LP537 LP538 LP539 LP540	1515. 65 1515. 36 1515. 22 1515. 19 1514. 98 1514. 89 1514. 74 1514. 27 1514. 04 1513. 45	4690. 25 4689. 95 4689. 49 4689. 31 4689. 06 4688. 89 4688. 72 4688. 28 4687. 96 4687. 56	S. Mailo S. Mailo S. Mailo S. Mailo S. Mailo S. Mailo S. Mailo S. Mailo S. Mailo S. Mailo S. Mailo	peridotite peridotite peridotite peridotite peridotite peridotite peridotite peridotite	Pr Pr Pr Pr Pr Pr Pr Pr	3 3 3 3 2 2 2 2 2 2	7.0 10.0 1.0 3.5 4.0 2.5 2.5 5.0 4.0	3 4 4 3 4 4 4 4 4	3 3 4 4 3 1 1 1	R. B. R. B. B. D. B. D. B. D. B. D. B. B. B.
41 42 43 44 45 46 47 48 49 50	LP541 LP542 LP543 LP544 LP545 LP546 LP547 LP548 LP549 LP550	1513. 16 1512. 96 1512. 60 1512. 40 1512. 26 1511. 84 1516. 12 1516. 28 1516. 78 1516. 46	4688.10 4690.12 4690.02 4689.44	S. Mailo S. Mailo S. Mailo S. Mailo S. Mailo S. Mailo S. Mailo S. Mailo S. Mailo S. Mailo S. Mailo	peridotite peridotite peridotite peridotite	Pr Pr Pr Pr Pr Pr Pr	2 2 2 2 1 1 2 2 2 1	4.0 4.0 3.0 2.0 1.5 3.0 3.5 2.5 3.5	4 4 4 4 4 4 4 4 4	2 2 2 2 1 1 3 1 2 4	B. B. B. B. B. R. B. B. R. B. B. R. B. B. B. R. B. B. B. R. B. B. R. B. B. B. R. B.

^{*1:} none(0), puddle(1), slow(2), moderate(3), fast(4) *2: coarse grained(1), medium grained(2), fine grained(3), clayey(4)

Area: S. Mailo (Area P)

No. No. No. No. E	m car	o. narro	(nrea r)									tage a
52 P552 1516.92 4689.15 S. Mailo peridotite Pr 1 2.0 4 2 8						Geology		0rder				Color
52 19552 1516.92 4689.15 S. Mailo peridotite Pr 1 2.0 4 2 R		I DEC.	1E10 OF	4000 OD	C No.1-	nonidatit.	D-	1	20	A	4	g g
1.653 1.66.35 4683.78 5. Mailo peridotite Pr 1 1.5 4 3 4 8 5 1.656 1.656.41 4689.72 5. Mailo peridotite Pr 1 1.0 3 4 8 8 8 1.556 1.655.22 4690.18 5. Mailo peridotite Pr 2 3.5 4 3 4 8 8 7 1.556 1.656.22 4690.18 5. Mailo peridotite Pr 2 3.5 4 3 4 8 4 8 1.556 1.656.22 4690.18 5. Mailo peridotite Pr 2 4.0 4 1 D 1.556 1.656.25 1.												R.B.
1.00												R.B.
55	53	LP553	1516.35	4689.78	S. Mailo	peridotite	Pr	1	1.5	4	3	R.B.
Fig. Fig.	54	LP554	1516, 40	4689, 25	S. Mailo	peridotite	Pr	1	3.0	3	4	R B
Design												
58												R.B.
58										1 -		
59	57	LP557	1514.80	4690.27			Pr			4		D.B.
59	58	LP558	1514.56	4690.26	S. Mailo	peridotite	Pr	2	5.0	4	2	В
50								' 2		4		В.
Color	1											В.
Color	30	L1 000	1010.00	4030.00	S. Mailo	peridocite			2.0	4		В.
Color	61	1 P561	1513 70	4689 88	S Mailo	neridatite	Pr	1	4.0	4	2	В.
63 LP563 1514.19 4890.06 S. Mailo peridotite Pr 1 1.0 4 3 B 6 64 LP564 1513.99 4690.16 S. Mailo peridotite Pr 1 1.5 4 4 R 6 65 LP565 1515.81 4690.27 S. Mailo peridotite Pr 1 1.5 4 4 R 6 66 LP566 1515.32 4689.04 S. Mailo peridotite Pr 1 1.5 4 4 R 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8												
Get IP564 I513.99 4690.16 S. Mailo peridotite Pr 1 1.5 4 4 R 66 IP565 I515.81 4690.27 S. Mailo peridotite Pr 1 1.5 4 4 R 66 IP566 I515.82 4698.04 S. Mailo peridotite Pr 1 1.5 4 3 D 67 IP567 I515.49 4688.87 S. Mailo peridotite Pr 1 1.5 4 3 D 68 IP568 I515.72 4688.69 S. Mailo peridotite Pr 1 1.5 4 3 D 1 1 1 1 1 1 1 1 1												
66 LP565 1515.81 4690.27 S. Mailo peridotite Pr 1 1.5 4 4 R 66 LP566 LP567 1515.49 4688.87 S. Mailo peridotite Pr 1 1.5 4 3 D. 68 LP568 LP568 LP568 LP568 LP568 LP569 LP570												
66	64	LP564	1513.99	4690.16		peridotite		1		4	3	В.
66 LP566 LP567 1515.32 4689.04 S. Mailo peridotite Pr 1 1.5 4 3 D.									1.5	4	4	R.B.
Fig. Fig.										_		D.B.
Record R						1 -						D. B.
Columb C												
To To To To To To To To						1 -						D.B.
To LP570 LP570 LP570 LP571 LP571 LP571 LP572 LP572 LP572 LP572 LP572 LP572 LP572 LP572 LP573 LP573 LP573 LP573 LP574 LP574 LP574 LP574 LP574 LP574 LP574 LP575 LP575 LP575 LP575 LP575 LP575 LP575 LP575 LP576 LP577 LP577 LP577 LP577 LP577 LP577 LP577 LP578 LP579	69	LP569	1515.97	4688.58	S. Mailo	peridotite	Pr	1	2.0	4	3	D.B.
The color of the	70		1515.26	4688.97	S. Mailo	peridotite	Pr	1	1.0	-3	3	D.B.
T2								ļ	 			· · · · · · · · · · · · · · · · · · ·
72	71	LP571	1515.31	4688.69	S. Mailo	peridotite	Pr	1	1.0	- 3	3	D.B.
T3											3	D.B.
74								9				D.B.
75								4				
76 LP576 1513.77 4688.95 S. Mailo peridotite Pr 2 3.5 4 1 D. 77 LP577 1513.51 4688.97 S. Mailo peridotite Pr 2 3.0 4 1 D. 79 LP578 1513.17 4688.96 S. Mailo peridotite Pr 1 1.0 4 1 D. 80 LP580 1514.67 4688.42 S. Mailo peridotite Pr 1 1.0 4 1 D. 81 LP581 1514.71 4688.15 S. Mailo serpentinite Pr 1 1.5 4 3 D. 82 LP582 1514.78 4687.89 S. Mailo serpentinite Pr 1 1.0 3 3 D. 83 LP583 1514.51 4687.84 S. Mailo peridotite Pr 1 2.0 3 3 D. 85 LP585								4			_	D.B.
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^{*1:} none(0), puddle(1), slow(2), moderate(3), fast(4)
*2: coarse grained(1), medium grained(2), fine grained(3), clayey(4)

Area: S. Mailo (Area P)

Page 3

Ser. Sampl No. No.	Coord N	inates E	Name of Stream	Geology	Geol. Unit	0rder	Width (m)	Flow *1	Size	Color
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^{*1:} none(0), puddle(1), slow(2), moderate(3), fast(4) *2: coarse grained(1), medium grained(2), fine grained(3), clayey(4)

Analytical results of stream sediment geochemical samples in Area P

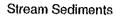
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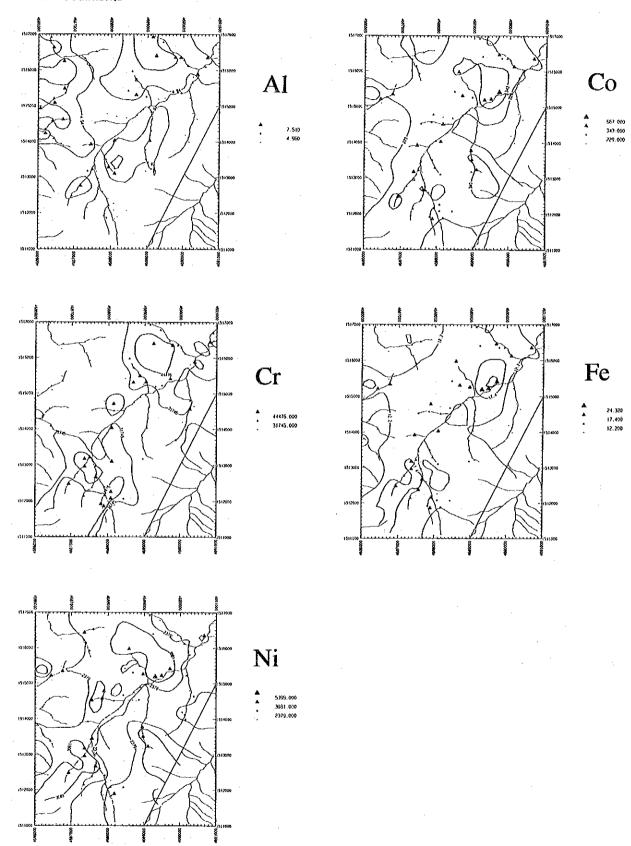
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ion (km)	Y-coord	1511, 920	1511,860	1512,080	1512,070	1511.890
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Distribution map of elements in Area P





List of soil geochemical samples in Area Q

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Page	

Area: Middle Stream of S. Karamuak (Area Q)

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Vegitation	primary forest primary forest primary forest primary forest seconday forest primary forest primary forest primary forest primary forest primary forest	secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest	primary forest primary forest primary forest primary forest primary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest
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Color		குக்கிக்கிக் கிக பெட்டுப்பில்கள்	
Depth (cm)	0 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	30 02 04 40 30 30 40 40 40 40 40 40 40 40 40 40 40 40 40	30 30 30 30 30 40 40 40 40 40
Geol. Unit	***********	444444444	도도도
Rock of Basement	peridotite peridotite peridotite peridotite peridotite	peridotite peridotite peridotite peridotite peridotite	laterite laterite peridotite
1/50,000 Topo. Sheet	S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak	S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak	S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak
nates E	4682.82 4683.10 4783.69 4682.48 4682.38 4682.96 4683.98 4683.98 4684.60	4684.73 4685.59 4685.47 4682.88 4683.35 4683.96 4684.17 4684.60 4685.14	4685.73 4686.37 4686.36 4686.36 4682.44 4682.88 4683.20 4683.18
Coordinates N E	1505.50 1505.29 1505.17 1504.80 1504.16 1504.45 1504.45 1504.52	1504.04 1504.41 1504.05 1503.90 1503.58 1503.72 1503.28 1503.42 1503.78	1503.33 1503.57 1503.18 1503.59 1502.33 1502.75 1502.34 1502.34
Sample No.	10001 10002 10003 10004 10005 10005 10008 10008	10011 10012 10013 10014 10015 10016 10018 10019 10020	10021 10022 10023 10024 10025 10025 10028 10029 10030
Ser. No.	108438488	11111111111111111111111111111111111111	32222223 30228 308

*'Gravel: Many (M), Few (F), Rare or none (R)
*'Topography: Steep (S), Moderate (M), Flat (F)

**Grain size: Sandy (S), Clayey (C)
**Humidity: Dry (D), Wet (W)

Area: Middle Stream of S. Karamuak (Area Q)

Page 2

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	Vegitation	secondary forest secondary forest secondary forest secondary forest primary forest primary forest primary forest primary forest primary forest primary forest	primary forest primary forest primary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest	secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest
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	Color		0.000000000000000000000000000000000000	
	Depth (cm)	40 30 30 30 40 30 40 40 40 40 40 40 40 40 40 40 40 40 40	30 30 30 30 30 30 40	08888888888888888888888888888888888888
	Geol. Unit	***************************************	****	***
	Rock of Basement	peridotite peridotite peridotite		peridotite peridotite peridotite
	1/50,000 Topo. Sheet	S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak	S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak	S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak
	nates E	4683.77 4684.02 4684.39 4684.36 4684.36 4684.36 4684.95 4685.12 4685.12	4685.95 4687.00 4682.65 4683.32 4683.34 4683.94 4684.17 4684.52 4684.75	4684.88 4685.50 4686.27 4686.94 4686.85 4687.50 4683.70 4684.42
	Coordinates N E	1502.13 1502.75 1502.93 1502.62 1502.20 1502.47 1502.77	1502.20 1502.08 1502.95 1501.95 1501.40 1501.40 1501.34 1501.73 1501.73 1501.73	1501.11 1501.66 1501.54 1501.57 1501.38 1500.93 1500.93 1500.93
	Sample No.	L0031 L0032 L00334 L0035 L0035 L0037 L0039 L0039	10041 10042 10043 10044 10045 10045 10040 10040 10040	10051 10052 10053 10054 10055 10057 10059 10059
	Ser.	433333333 4033374	44444444444444444444444444444444444444	20000000000000000000000000000000000000

*'Gravel: Many (M), Few (F), Rare or none (R)
*'Topography: Steep (S), Moderate (M), Flat (F)

^{**}Grain size: Sandy (S), Clayey (C)
***Humidity: Dry (D), Wet (W)

(Area Q)
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Stream of S.
rea: Middle St
Area:

Page 3

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Vegitation	secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest	secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest primary forest primary forest	secondary forest secondary forest secondary forest secondary forest
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Ğ. *1	KEKEKEKKK.	********	****
Color	க்க்க்க்க்க்க்க் க்க்க்க்க்க்க்க்க்	വ്യയ്യായ് വ്യയ്യ് ഇത്ത് ഇത്ത്യ്	
Depth (cm)	40 25 30 30 30 30 30 30 30	30 20 30 30 30 40	40 40 40 40 40
Geol. Unit	***********	작작작작작작작	유무무무
Rock of Basement	peridotite peridotite	 peridotite	peridotite peridotite peridotite
1/50,000 Topo. Sheet	S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak	S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak	S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak
nates E	4684.73 4685.28 4685.47 4685.47 4686.07 4686.55 4687.20 4687.08	4687.77 4685.27 4685.78 4686.25 4687.42 4687.42 4688.03 4688.33 4688.67	4686.27 4686.75 4687.42 4687.95 4688.48
Coordinates N	1500.50 1500.72 1500.18 1500.90 1500.57 1499.99 1500.69 1500.63	1500.12 1500.40 1499.54 1499.16 1499.32 1499.32 1499.34 1499.82	1498.68 1498.38 1498.40 1498.42 1498.39
Sample No.	10061 10063 10064 10065 10066 10067 10068 10068	10071 10072 10073 10074 10075 10077 10077 10078 10078	LQ081 LQ082 LQ083 LQ084 LQ085
Ser. No.	61 62 64 65 66 67 70	71 72 73 75 77 77 77 80	882 883 854 85

*'Gravel: Many (M), Few (F), Rare or none (R)
*'Topography: Steep (S), Moderate (M), Flat (F)

**Grain size: Sandy (S), Clayey (C)
**Humidity: Dry (D), Wet (W)

Analytical results of soil geochemical samples in Area Q

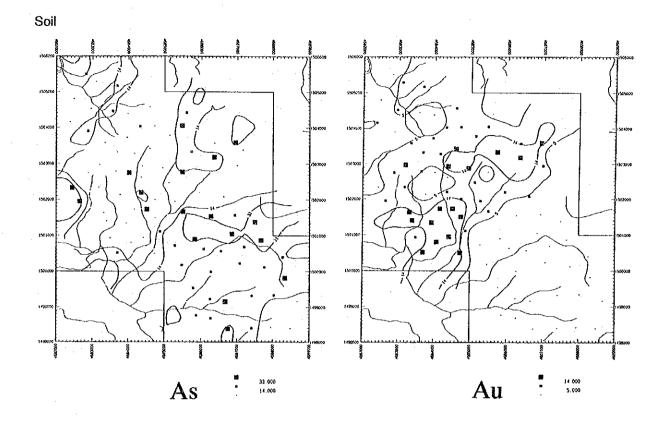
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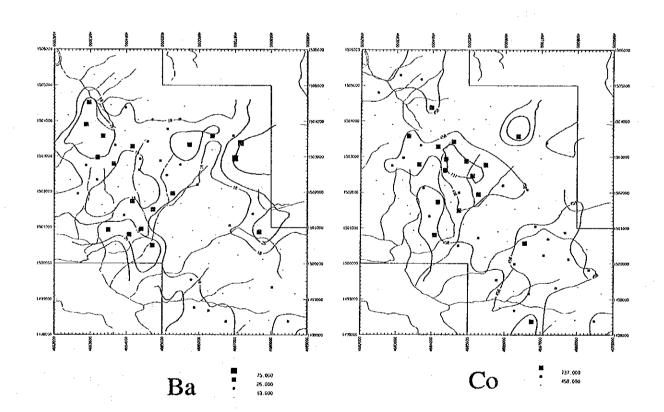
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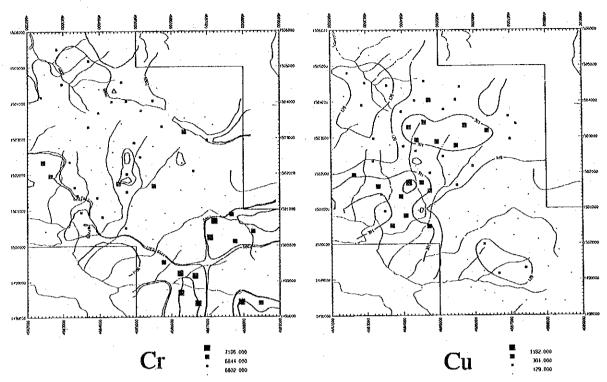
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23 % 23	262-92-888-29-2-2-2-2-2-2-2-2-2-2-2-2-2-2-
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No. 10055	
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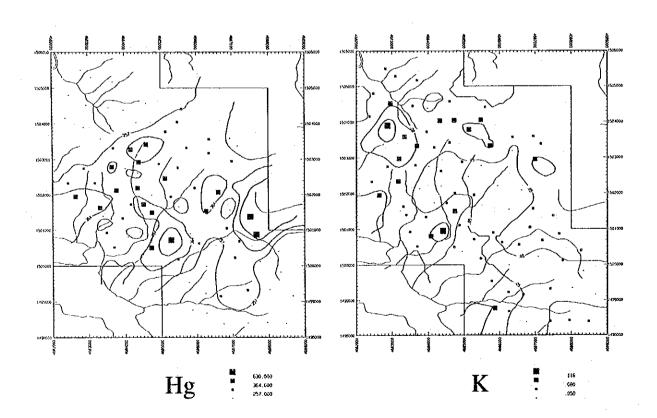
Distribution map of elements in Area Q

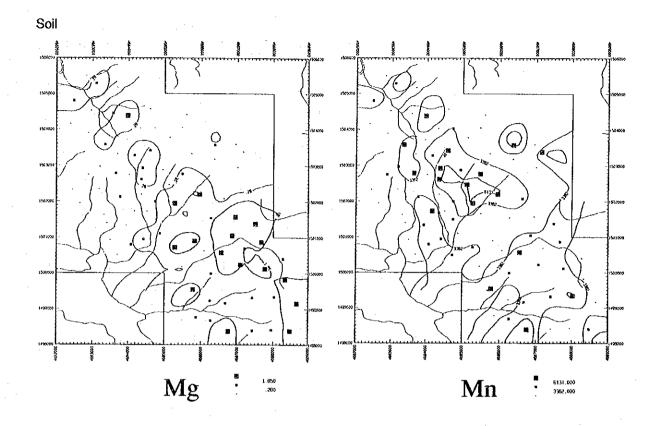


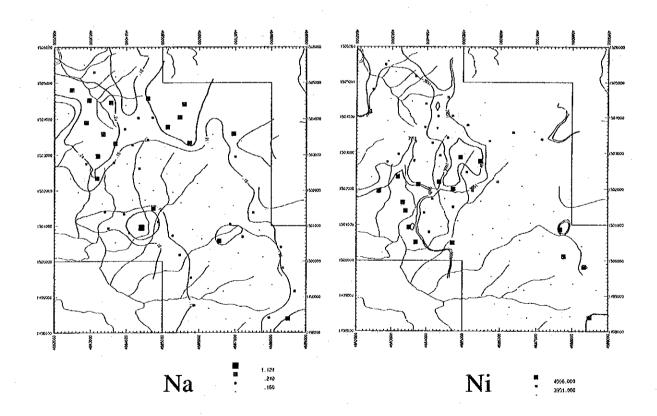


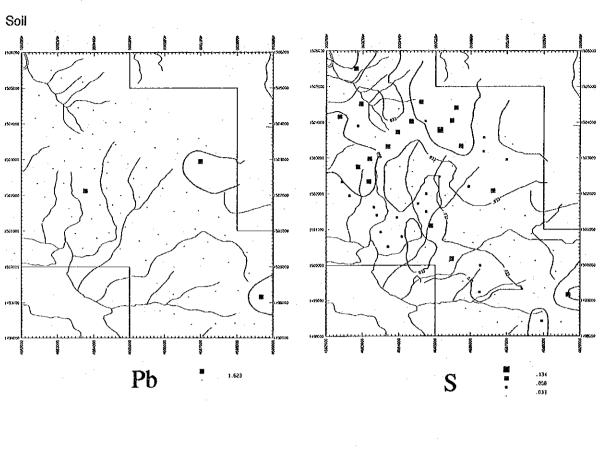


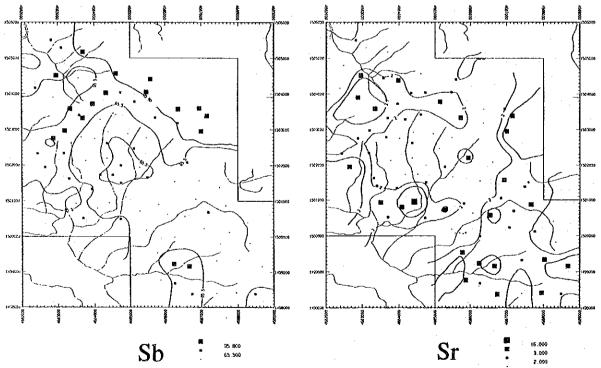




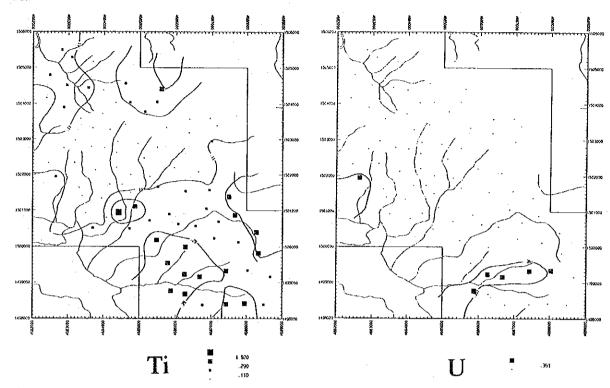


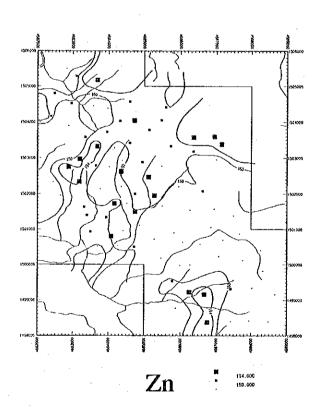


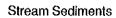


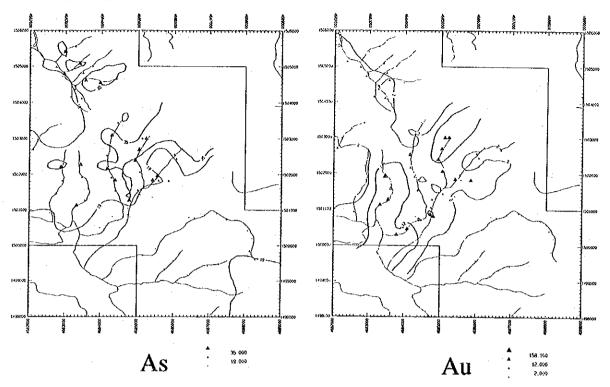


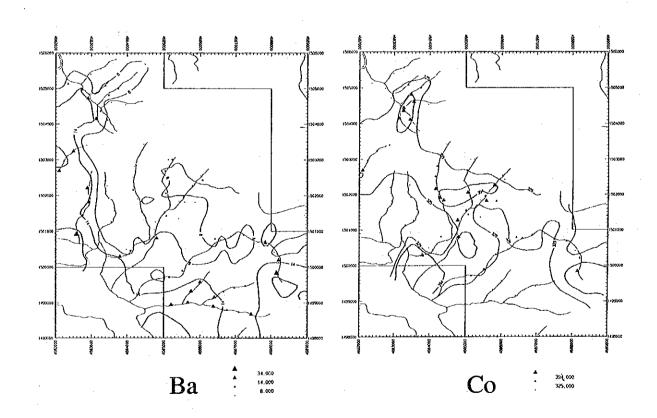


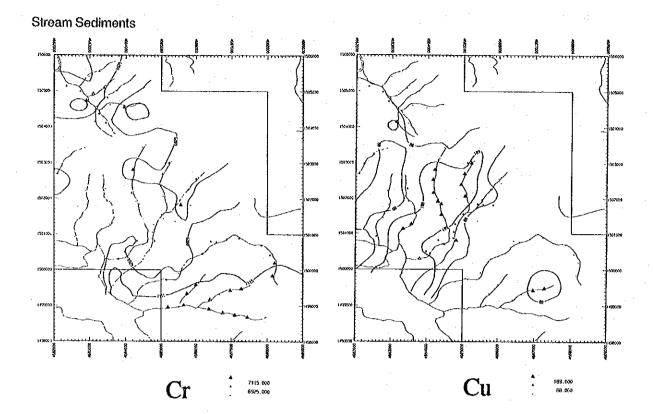


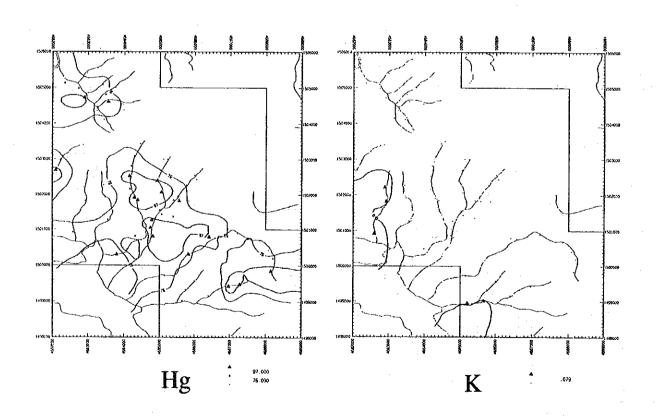


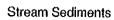


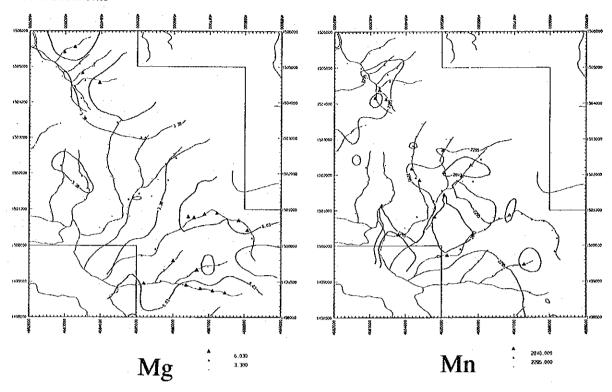


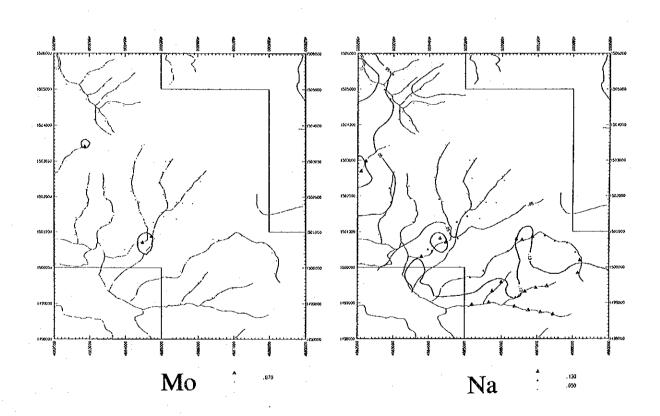




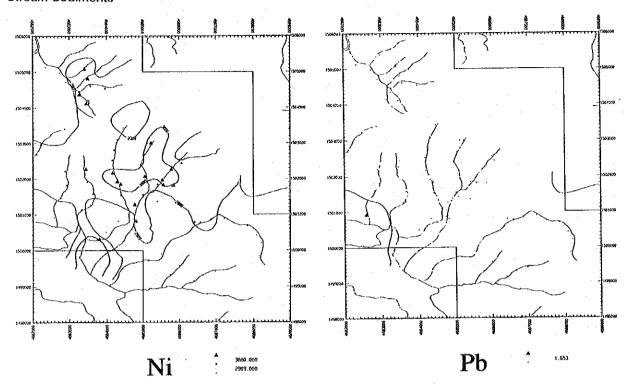


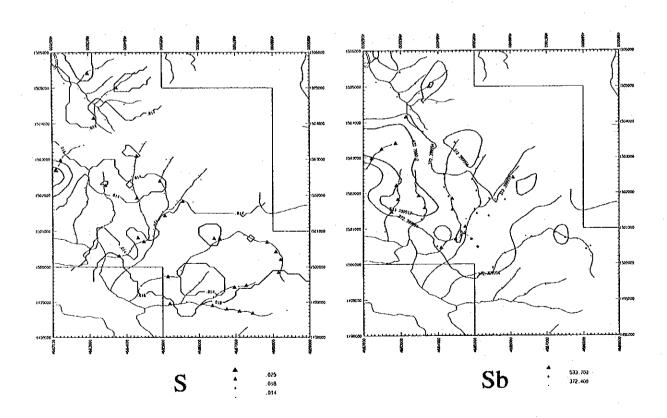


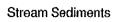


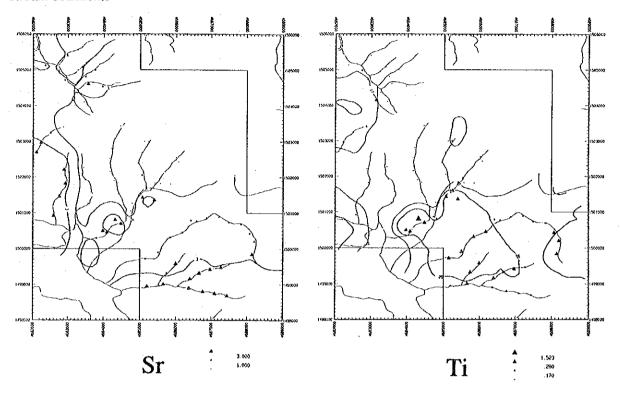


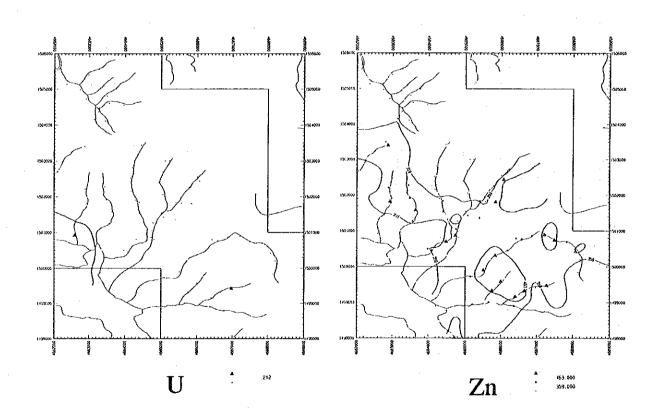
Stream Sediments











List of stream sediment geochemical samples in Area ${\tt Q}$

ni ca.	rea: Middle Stream of S. Karamdak (Area Q)						1 450 1					
Ser. No.	Sample No.	Coordi N	nates E		Name of Stream	Geology	Geol. Unit	0rder	Width (m)	Flow	Size	Color
		1505 10	1000 05		1/	1.1.1.1.	D	n	4.0	9	1	В.
1	LQ501	1505.13	4682.35		Karamuak	peridotite	Pr	2	4.0	2	1	
2	LQ502	1504.98	4682.74	S.	Karamuak	peridotite	Pr	2	3.0	2	2	В.
3	LQ503	1504.72	4682.91	S.	Karamuak	peridotite	p_{Γ}	- 2	3.0	2	2	В.
4	LQ504	1504.44	4683.27		Karamuak	peridotite	$P_{\mathbf{r}}$	2	2.0	2	1	D.G.
1 1			4683.56		Karamuak	peridotite	Pr	$\bar{2}$	2.0	2	ï	D.G.
5	1.0505	1504.61					Pr		1.0	2	1	D.G.
6	LQ506	1504.54	4683.96		Karamuak	peridotite		2		4		
7	LQ507	1505.40	4682.98		Karamuak	peridotite	Pr	1	2.0	2	1	D.G.
8	LQ508	1505.55	4683.27	S.	Karamuak	peridotite	Pr	1 -	1.5	2	1	D.G.
9	LQ509	1504.79	4682.96	S.	Karamuak	peridotite	Pr	1 1	1.5	2	2	B.
10	LQ510	1505.08	4683.40		Karamuak	peridotite	Pr	1	1.5	2	1	D.G.
11	LQ511	1504.81	4683.49	S.	Karamuak	peridotite	Pr	1	2.0	2	1	D.G.
12	LQ511	1505.00	4683.75		Karamuak	peridotite	Pr	1	0.5	2 -	1	D.G.
							Pr	1	1.5	2	2	D. G.
13	LQ513	1504.15	4683.14		Karamuak	peridotite		ī				D. G.
14	LQ514	1504.36	4683.26		Karamuak	peridotite	Pr	1	1.0	2	1	
15	LQ515	1504.11	4683.45		Karamuak	peridotite	Pr	1	1.0	2	1	D.G.
16	LQ516	1502.69	4682.10	S.	Karamuak	peridotite	Pr	1	1.0	2	1	R.B.
17	LQ517	1502.97	4682.23		Karamuak	peridotite	Pr	1 1	1.6	2	3:	R.B.
18	LQ518	1503.24	4682.50		Karamuak	serpentinite	Pr	l ī.	1.5	. 2	3	R.B.
						serpentinite	Pr	1	0.5	2	3	R.B.
19	LQ519	1503.40	4682.87		Karamuak	ser pentimite				1	4	D. B.
20	LQ520	1500.92	4682.59	2.	Karamuak		P ₂ Cr	1	1.5	- L		р. в.
21	LQ521	1501.46	4682.76	S.	Karamuak		Pr	1	1.5	2	4.	D.B.
22	LQ522	1501.82	4682.93		Karamuak	peridotite	Pr	1	2.0	2	3	D.B.
					Karamuak	peridotite	Pr	Î	1.0	2	3	D.B.
23	LQ523	1502.21	4682.89				Pr	ı	2.0	3	3	D. B.
24	LQ524	1501.13	4683.33		Karamuak	peridotite		1			2	D. B.
25	LQ525	1501.27	4683.56		Karamuak	peridotite	Pr	1	2.0	3		
26	LQ526	1501.58	4683.64	S.	Karamuak	peridotite	Pr	1	1.0	3	3	D.B.
27	LQ527	1501.92	4683.48	S.	Karamuak	peridotite	Pr	1	2.0	2	2	D.B.
28	LQ528	1502.27	4683.44		Karamuak	peridotite	Pr	1	1.0	2	2	D.B.
29	LQ529	1500.30	4683.80		Pinanduan	F	Pr	2	1.5	2	3	В.
30	LQ525 LQ530	1500.46	4684.09		Pinanduan	peridotite	Pr		2.5	1	4	B.
30	176990	1000.40	4004.03	۵۰.	1 Handuan	per ruoci ce		ļ	ļ			
31	LQ531	1500.70	4684.48	S.	Pinanduan		Pr	- 2	3.0	2	3	В.
32	LQ532	1500.87	4684.73	S.	Pinanduan		Pr .	3	2.0	2	3	В.
33	LQ533	1501.05	4684.75		Pinanduan	peridotite	Pr	3	2.5	2	1	В.
34	LQ534	1501.27	4684.78		Pinanduan	peridotite	Pr) š	4.0	$\tilde{2}$	1	D.G.
	LOEDE					peridotite	Pr	3	4.5	2	2	D.B.
35	LQ535	1501.55	4685.01		Pinanduan				2.5	2	2	D. G.
36	LQ536	1502.06	4685.06		Pinanduan	peridotite	Pr	2				
37	LQ537	1502.39	4684, 94		Pinanduan	peridotite	Pr	2	3.0	2	2	D.G.
38	LQ538	1502.69	4685.04		Pinanduan	peridotite	Pr	2	2.0	2	1	D.G.
39	LQ539	1503.00	4685.23	S.	Pinanduan	serpentinite	$_{ m Pr}$	1	0.5	. 3	1	D.G.
40	LQ540	1503.00	4685.12		Pinanduan	peridotite	Pr	1	1.0	3	1	D.G.
41	LQ541	1500.50	4683.98	S.	Pinanduan	peridotite	Pr	1	1.5	1	4	B.
42	LQ541 LQ542	1500.81	4684.32		Pinanduan		Pr	ĺ	0.5	1	3	В.
		1500.81			Pinanduan		Pr	l i	0.5	Î	3	B.
43	LQ543		4684.81			nonidotito			3.0	4	4	В.
44	LQ544	1501.54	4684.40		Pinanduan	peridotite	Pr	2				
45	LQ545	1501.91	4684.29		Pinanduan	peridotite	Pr	2	4.0	3	2	B.
46	LQ546	1502.16	4684.17		Pinanduan	peridotite	Pr	2	4.0	3	2	D.B.
47	LQ547	1502.52	4684.16	S.	Pinanduan	peridotite	Pr	2	2.0	3	4	D.B.
48	LQ548	1502.81	4684.21		Pinanduan	peridotite	Pr	2	1.5	4	3	D.B.
49	LQ549	1503.09	4684.30		Pinanduan	peridotite	Pr	1	2.0	3	3	D.B.
50	LQ550	1503.43	4684.46		Pinanduan	peridotite	Pr	Ĩ	1.0	3	3	D.B.
30	กสุขาก	1000.40	7007.40	٦,	Timiniman	201 200 0100			L			

^{*1:} none(0), puddle(1), slow(2), moderate(3), fast(4) *2: coarse grained(1), medium grained(2), fine grained(3), clayey(4)

Area: Middle Stream of S. Karamuak (Area Q)

Ser. No.	Sample No.	Coordi N	nates E	Name of Stream	Geology	Geol. Unit	0rder	Width (m)	Flow	Size	Color
51 52 53 54 55 56 57 58	LQ551 LQ552 LQ553 LQ554 LQ555 LQ556 LQ557 LQ558	1501.84 1501.43 1501.36 1501.84 1501.96 1502.26 1502.55 1501.82	4684. 39 4685. 07 4685. 40 4685. 41 4685. 54 4685. 79 4686. 01 4685. 57	S. Pinanduan S. Pinanduan S. Pinanduan S. Pinanduan S. Pinanduan S. Pinanduan S. Pinanduan S. Pinanduan S. Pinanduan	peridotite peridotite peridotite peridotite serpentinite peridotite serpentinite peridotite	Pr Pr Pr Pr Pr Pr Pr	1 1 1 2 2 2 2 1	0.5 1.0 0.5 2.5 4.0 2.0 1.0	2 2 2 3 3 2 3 2	4 1 2 2 1 2 2	B. D. B. D. B. D. B. D. B. D. B. D. B. D. B. D. B. D. B. D. B. D. B. D. B. D. B. D. B. D. B.
59 60	LQ559 LQ560	1501.81 1502.43	4685.85 4686.07	S. Pinanduan S. Pinanduan	peridotite serpentinite	Pr Pr	1 1	1.5 0.5	3 4	1	D. B. D. B.
61 62 63 64 65 66 67 68 69 70	LQ561 LQ562 LQ563 LQ564 LQ565 LQ566 LQ567 LQ568 LQ569 LQ570	1499. 72 1499. 90 1500. 31 1500. 45 1500. 77 1500. 86 1500. 74 1500. 69 1500. 42	4685. 15 4685. 51 4685. 84 4686. 18 4686. 58 4687. 22 4687. 50 4687. 84 4688. 08	S. Mabusu S. Mabusu S. Mabusu S. Mabusu S. Mabusu S. Mabusu S. Mabusu S. Mabusu S. Mabusu S. Mabusu S. Mabusu S. Mabusu	peridotite peridotite peridotite peridotite peridotite peridotite peridotite peridotite peridotite peridotite	P ₂ Cr Pr Pr Pr Pr Pr Pr Pr Pr	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4.5 3.5 2.0 5.0 5.0 3.0 4.5 2.5 6.0 3.5	3 4 4 3 4 4 4 4	3 3 2 3 2 2 3 3 3	B. R. B. B. B. B. R. B. R. B. R. B.
71 72 73 74 75 76 77 78 79 80	LQ571 LQ572 LQ573 LQ574 LQ575 LQ576 LQ577 LQ578 LQ579 LQ580	1500. 20 1499. 84 1500. 79 1498. 95 1499. 01 1498. 90 1498. 80 1498. 68 1499. 33	4688. 21 4688. 15 4686. 42 4685. 20 4685. 66 4686. 37 4686. 76 4687. 10 4687. 45 4685. 75	S. Mabusu S. Mabusu S. Mabusu S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak	peridotite peridotite peridotite peridotite peridotite peridotite peridotite	Pr Pr Pr P_2Cr P_2Cr Pr Pr Pr Pr	1 1 3 3 2 2 2 2 1	5.0 6.0 1.0 3.0 3.0 3.5 2.5 3.0 3.5	4 4 2 3 3 3 2 3 4 2	3 3 3 3 3 3 1 2	R. B. R. B. B. B. B. B. B. B. D. B.
81 82 83 84 85	LQ581 LQ582 LQ583 LQ584 LQ585	1499. 58 1499. 16 1499. 32 1499. 42 1499. 47	4686.00 4686.40 4686.66 4686.97 4687.28	S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak	peridotite	Pr Pr Pr Pr Pr	1 2 2 1 1	2.5 2.0 1.5 2.0 1.0	2 2 2 2 2 3	2 3 2 3 3	B. B. B. R. B. R. B.

^{*1:} none(0), puddle(1), slow(2), moderate(3), fast(4)
*2: coarse grained(1), medium grained(2), fine grained(3), clayey(4)

Analytical results of stream sediment geochemical samples in Area 0

-A177-

.ist of Geochemical Analysis (1)

List of soil geochemical samples in Area R

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Area: S.	

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	Vegitation	secondary forest secondary forest	secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest	secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest primary forest primary forest
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	Depth (cm)	40 40 40 40 40 40 40 40 40 40	04 40 40 40 40 40 40 40 40 40 40 40 40 4	40 40 40 40 40 40 40 40 40 40 40
	Geol. Unit	7224777264 72244777777777777777777777777	CSba P2Cr P2Cr P2Cr P2Cr CSba CSba CSba	CSba P2CT P2CT P2CT P2CT P2CT P2CT
	Rock of Basement	sandstone	perid. boulder	dolerite sandstone
	1/50,000 Topo. Sheet	S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak	S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak	S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak
	nates E	4681.40 4681.95 46821.88 46822.66 4683.44 4683.74 4681.35 4681.35	4682.37 4682.90 4683.50 4683.87 4684.28 4684.48 4685.40 4681.48 4681.53 4682.00	4682.45 4683.27 4683.77 4684.34 4684.43 4684.90 4684.90 4681.45 4681.45
	Coordinates N E	1494.87 1494.68 1494.25 1494.48 1494.62 1494.62 1493.86 1493.35 1493.45	1493.15 1493.50 1493.70 1493.18 1493.80 1493.20 1492.86 1492.32 1492.78	1492.55 1492.48 1492.95 1492.95 1492.74 1492.94 1492.45 1491.35
	Sample No.	LR001 LR002 LR003 LR004 LR005 LR006 LR007 LR009 LR009	LR011 LR012 LR013 LR014 LR015 LR016 LR017 LR019 LR019 LR019	LR021 LR022 LR023 LR024 LR025 LR025 LR026 LR026 LR028 LR028 LR029
	Ser. No.	10084597	112 113 114 117 118 118 119	22222222222222222222222222222222222222

*¹Gravel: Many (M), Few (F), Rare or none (R)
*³Topography: Steep (S), Moderate (M), Flat (F)

**Grain size: Sandy (S), Clayey (C) **Humidity: Dry (D), Wet (W)

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Vegitation	secondary forest secondary forest secondary forest secondary forest secondary forest primary forest secondary forest secondary forest secondary forest secondary forest	primary forest secondary forest secondary forest secondary forest secondary forest secondary forest primary forest primary forest primary forest primary forest	primary forest primary forest primary forest secondary forest secondary forest primary forest primary forest primary forest primary forest
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Color			
Depth (cm)	40 40 40 40 40 40 40 40 10	40 40 40 40 40 40 40 11 11 12	40 40 40 40 40 30 30 30 30
Geol. Unit	Csba Pr Pr Pr Pr GS Pr Pr Fr	유류유유유유	************
Rock of Basement	peridotite serpentinite	peridotite peridotite peridotite peridotite peridotite peridotite peridotite peridotite green schist	peridotite perid. boulder perid. boulder peridotite peridotite peridotite peridotite peridotite peridotite
1/50,000 Topo. Sheet	S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak	S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak	S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak
nates E	4682.24 4682.24 4682.72 4683.45 4683.45 4684.07 4684.07 4684.60 4685.18	4681.87 4682.28 4682.63 4683.32 4683.78 4684.15 4684.53 4685.15	4683.05 4684.23 4684.23 4684.52 4685.50 4685.65 4685.25 4686.25 4687.35 4687.35
Coordinates N	1491.98 1491.02 1491.02 1491.26 1491.14 1491.14 1491.95	1490.88 1490.22 1490.57 1490.34 1490.08 1490.60 1490.64 1490.64	1489.79 1489.73 1489.38 1489.38 1489.55 1489.13 1489.10 1489.13
Sample No.	LR031 LR033 LR033 LR034 LR035 LR036 LR038 LR038 LR039	LR041 LR042 LR044 LR045 LR045 LR046 LR047 LR048 LR049	LR051 LR052 LR053 LR054 LR055 LR055 LR056 LR056 LR058 LR059 LR059
Ser. No.	32 33 33 43 33 43 33 43 34 43 36 43 37	14444444444444444444444444444444444444	60000000000000000000000000000000000000

*'Gravel: Many (M), Few (F), Rare or none (R)
*'Topography: Steep (S), Moderate (M), Flat (F)

**Grain size: Sandy (S), Clayey (C) **Humidity: Dry (D), Wet (W)

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Page 3	Vegitation	primary forest primary forest primary forest primary forest primary forest secondary forest secondary forest secondary forest secondary forest	bush secondary forest secondary forest secondary forest primary forest primary forest primary forest primary forest primary forest primary forest	secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest secondary forest	
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	Color	ങ് ങ് ഷ്ക്ക്ക്ക്ക്ക്		க்க் க்க்க்க் க்க்க்க்க்க்க்	Clayey (C)
.:	Depth (cm)	25 30 30 30 30 40 40 40	20 112 30 30 30 25 25	30 30 30 30 30 20 20 20 20 20	(S),
	Geol. Unit	P. C. P. C. P.	PP GS PP PP PP PP PP	Sba 무무무무무	size: Sandy ty: Dry (D),
	Rock of Basement	peridotite peridotite sandstone green schist peridotite harzburgite harzburgite green schist	peridotite peridotite peridotite peridotite peridotite peridotite sandstone	basalt serpentinite serpentinite peridotite peridotite peridotite peridotite	*2Grain size: Sa *4Humidity: Dry
a R)	1/50,000 Topo. Sheet	S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak	S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak S. Karamuak	S. Karam S. Karam S. Karam S. Karam S. Karam S. Karam S. Karam S. Karam S. Karam	e or none (R) e (M), Flat (F)
Wilian (Area	ates E	4688.73 4689.15 4689.15 4690.25 4690.83 4683.52 4684.31	4684.78 4685.10 4685.32 4685.64 4686.18 4687.10 4687.80 4688.45	888888888888888888888888888888888888888	(F), Rare Moderate
S.	Coordinates N	1489. 54 1489. 20 1489. 28 1489. 68 1489. 68 1489. 13 1488. 56 1488. 56 1488. 62 1488. 62	1488. 23 1488. 46 1488. 71 1488. 30 1488. 36 1488. 36 1488. 57 1488. 57 1488. 15 1488. 15	1488. 1488. 1487. 1487. 1487. 1487. 1486.	y (M), Few Steep (S),
S. Karamuak	Sample No.	LR061 LR062 LR063 LR064 LR065 LR066 LR067 LR068 LR069	LR071 LR073 LR074 LR075 LR075 LR076 LR077 LR078 LR078 LR079	LR081 LR083 LR083 LR084 LR085 LR085 LR086 LR089 LR089	"'Gravel: Many "aTopography:
Area:	Ser. No.	61 62 63 65 65 67 69 69	71 72 75 76 77 78 79 80	8828 883 887 90 90 90	* 'Gr. * To <u>r</u>

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