

Appendix 30

List of soil geochemical samples in Area D

=	١
$\overline{}$	i
Area D)	
O)	
7	
<u>ب</u>	i
σt	
ŏ	
4	Į
u Area (A	
7	ı
~	١
۲,	
ingkayu	ı
뎚	ļ
Н	
	ļ
Ø	1
0.00	ì
Ξ	
Ŋ	Į
rea	
re	

Sample Coordinates 1/50,000 Rock of Geol. Depth					
Concinates 1/50,000 Rock of Geol. Depth Color G. S. T.	Vegitation		lary lary plary plary plar	100000 0	
Sample Coordinates 1/70,000 Rock of Geol. Depth Color G. S. 78	H: #	的代数的数据的数	**********	电光线电热线光线电光	
Coordinates	⊢*	関目的日日的日日	ZZZZUTNUTZU	ZNNNNHNHZZ	
Cordinates	× ×	000000000	000000000	0000000000	
GD001 1427.43 4770.20 S. Ulu Bole amphi. schist As 25 GD002 1427.14 4770.57 S. Ulu Bole amphi. schist As 25 GD002 1427.74 4770.57 S. Ulu Bole amphi. schist As 25 GD003 1427.74 4771.19 S. Ulu Bole amphi. schist As 25 GD006 1427.77 48 4771.19 S. Ulu Bole amphi. schist As 30 GD006 1427.77 48 4771.19 S. Ulu Bole amphi. schist As 30 GD008 1427.77 40 4771.19 S. Ulu Bole amphi. schist As 30 GD009 1427.77 40 4771.26 S. Ulu Bole amphi. schist As 30 GD009 1427.77 40 4771.26 S. Ulu Bole amphi. schist As 30 GD009 1427.70 4772.16 S. Ulu Bole amphi. schist As 30 GD011 1427.72 4772.85 S. Ulu Bole As 30 GD012 1427.85 S. Ulu Bole As 30 GD013 1427.72 4772.85 S. Ulu Bole As 30 GD014 1427.85 S. Ulu Bole As 30 GD015 1427.86 S. Ulu Bole As 30 GD015 1427.86 4772.85 S. Ulu Bole As 30 GD016 1427.86 S. Ulu Bole As 30 GD017 1427.86 A773.82 S. Ulu Bole As 30 GD018 1427.86 A773.82 S. Ulu Bole As 30 GD023 1427.86 A774.88 S. Ulu Bole As 30 GD024 1427.86 A774.88 S. Ulu Bole As 30 GD024 1427.86 S. Ulu Bole As 30 GD024 1426.85 S. Ulu Bole As 30 GD024 1426.85 S. Ulu Bole As 30 GD024 1426.85 S. Ulu Bole As 30 GD024 1426.87 Aff66.95 S. Ulu Bole As 30 GD028 1426.85 S. Ulu Bole As 30 GD028 1426.87 Aff66.95 S. Ulu Bole As 30 GD028 1426.87 S. Ulu Bole As 30 GD028 1426.87 Aff66.95 S. Ulu Bole As 30 GD028 1426.88 Aff66.95 S. Ulu Bole As 30 GD028 1426.88 Aff66.95 S. Ulu Bole As 30 GD028 1426.85 Aff66.95 S. Ulu Bole As 30 GD028 1426.85 Aff66.95 S. Ulu Bole As 30 GD028 1426.65 Aff66.96 S. Ulu Bole As 30 GD028 1426.65 Aff67.04 S. Ulu Bole As 30 GD028 1426.85 Aff66.96 S. Ulu Bole As 30 GD028 1426.95 S. Ulu Bole As 3	ය; <u>t</u>	民族民族民族民族民	FFFEEEEEEE		
GD001 1427.43 4770.20 S. Ulu Bole amphi. schist As 25 GD002 1427.14 4770.57 S. Ulu Bole amphi. schist As 25 GD002 1427.74 4770.57 S. Ulu Bole amphi. schist As 25 GD003 1427.74 4771.19 S. Ulu Bole amphi. schist As 25 GD006 1427.77 48 4771.19 S. Ulu Bole amphi. schist As 30 GD006 1427.77 48 4771.19 S. Ulu Bole amphi. schist As 30 GD008 1427.77 40 4771.19 S. Ulu Bole amphi. schist As 30 GD009 1427.77 40 4771.26 S. Ulu Bole amphi. schist As 30 GD009 1427.77 40 4771.26 S. Ulu Bole amphi. schist As 30 GD009 1427.70 4772.16 S. Ulu Bole amphi. schist As 30 GD011 1427.72 4772.85 S. Ulu Bole As 30 GD012 1427.85 S. Ulu Bole As 30 GD013 1427.72 4772.85 S. Ulu Bole As 30 GD014 1427.85 S. Ulu Bole As 30 GD015 1427.86 S. Ulu Bole As 30 GD015 1427.86 4772.85 S. Ulu Bole As 30 GD016 1427.86 S. Ulu Bole As 30 GD017 1427.86 A773.82 S. Ulu Bole As 30 GD018 1427.86 A773.82 S. Ulu Bole As 30 GD023 1427.86 A774.88 S. Ulu Bole As 30 GD024 1427.86 A774.88 S. Ulu Bole As 30 GD024 1427.86 S. Ulu Bole As 30 GD024 1426.85 S. Ulu Bole As 30 GD024 1426.85 S. Ulu Bole As 30 GD024 1426.85 S. Ulu Bole As 30 GD024 1426.87 Aff66.95 S. Ulu Bole As 30 GD028 1426.85 S. Ulu Bole As 30 GD028 1426.87 Aff66.95 S. Ulu Bole As 30 GD028 1426.87 S. Ulu Bole As 30 GD028 1426.87 Aff66.95 S. Ulu Bole As 30 GD028 1426.88 Aff66.95 S. Ulu Bole As 30 GD028 1426.88 Aff66.95 S. Ulu Bole As 30 GD028 1426.85 Aff66.95 S. Ulu Bole As 30 GD028 1426.85 Aff66.95 S. Ulu Bole As 30 GD028 1426.65 Aff66.96 S. Ulu Bole As 30 GD028 1426.65 Aff67.04 S. Ulu Bole As 30 GD028 1426.85 Aff66.96 S. Ulu Bole As 30 GD028 1426.95 S. Ulu Bole As 3	Color				Clayey (C)
GD001 1427.43 4770.20 S. Ulu Bole amphi schist GD002 1427.94 4770.57 S. Ulu Bole amphi schist GD002 1427.94 4770.57 S. Ulu Bole amphi schist GD003 1427.94 4770.78 S. Ulu Bole amphi schist GD004 1427.47 4771.78 S. Ulu Bole amphi schist GD005 1427.71 4771.79 S. Ulu Bole amphi schist GD006 1427.77 4771.78 S. Ulu Bole amphi schist GD008 1427.77 4771.78 S. Ulu Bole amphi schist GD008 1427.77 4771.78 S. Ulu Bole amphi schist GD009 1427.77 4771.80 S. Ulu Bole amphi schist GD009 1427.77 4771.80 S. Ulu Bole amphi schist GD010 1427.85 4772.85 S. Ulu Bole amphi schist GD011 1427.72 4772.85 S. Ulu Bole amphi schist GD012 1427.72 4772.85 S. Ulu Bole amphi schist GD014 1427.85 4772.85 S. Ulu Bole amphi schist GD014 1427.85 4772.85 S. Ulu Bole amphi schist GD015 1427.84 4773.85 S. Ulu Bole amphi schist GD017 1427.84 4773.85 S. Ulu Bole amphi schist GD018 1427.84 4778.85 S. Ulu Bole amphi schist GD018 1427.84 4778.85 S. Ulu Bole amphi schist GD021 1426.71 4765.85 S. Ulu Bole amphi schist GD023 1426.87 4765.85 S. Ulu Bole amphi schist GD024 1426.87 4765.85 S. Ulu Bole GD025 1426.87 4766.92 S. Ulu Bole GD028 1426.87 4766.92 S. Ulu Bole GD028 1426.87 8766.92 S. Ulu Bole GD028 1426.87 4766.92 S. Ulu Bole GD028 1426.87 8767.25 S. Ulu Bole GD028 1426.86 4767.25 S. Ulu Bole GD028 1426.87 8767.25 S. Ulu Bole GD029 1426.87 8767.25 S. Ulu Bole GD028 1426.87 8767.25 S. Ulu Bole GD029 1426.87 8767.25 S. U	Depth (cm)	300 300 22 20 300 20 300 300 300 300 300	300000000000000000000000000000000000000	30 30 30 30 30	(S),
GD001 1427.43 4770.20 S. Ulu Bole amph GD002 1427.14 4770.57 S. Ulu Bole amph GD003 1427.14 4770.57 S. Ulu Bole amph GD004 1427.43 4771.02 S. Ulu Bole amph GD006 1427.75 4771.19 S. Ulu Bole amph GD006 1427.75 4771.19 S. Ulu Bole amph GD008 1427.75 4771.75 S. Ulu Bole amph GD009 1427.72 4772.85 S. Ulu Bole amph GD010 1427.85 4772.85 S. Ulu Bole amph GD011 1427.72 4772.85 S. Ulu Bole GD013 1427.72 4772.85 S. Ulu Bole GD014 1427.84 4773.82 S. Ulu Bole GD015 1427.72 4772.85 S. Ulu Bole GD016 1427.72 4772.85 S. Ulu Bole GD017 1427.84 4773.82 S. Ulu Bole GD018 1427.73 4773.85 S. Ulu Bole GD019 1427.73 4773.85 S. Ulu Bole GD019 1427.84 4773.85 S. Ulu Bole GD019 1427.84 4773.85 S. Ulu Bole GD019 1427.85 S. Ulu Bole GD021 1427.85 S. Ulu Bole GD021 1426.71 4765.63 S. Ulu Bole GD022 1426.87 4765.63 S. Ulu Bole GD023 1426.87 4766.16 S. Ulu Bole GD024 1426.84 4766.56 S. Ulu Bole GD027 1426.85 4766.16 S. Ulu Bole GD028 1426.85 4766.16 S. Ulu Bole GD029 1426.85 4766.25 S. Ulu Bole GD029 1426.85 4766.25 S. Ulu Bole GD029 1426.85 4766.25 S. Ulu Bole GD029 1426.65 4767.04 S. Ulu Bole GD029 1426.65 4767.04 S. Ulu Bole GD029 1426.65 4767.04 S. Ulu Bole	Geol. Unit	AS AS AS AS AS AS AS AS	Di Ass Ass Oi Oi Oi Oi	AS AS AS AS AS AS AS	e: Sandy Dry (D)
Sample Coordinates 1/50, No.	Rock of Basement				**Grain size: S: **Humidity: Dry
. Sample Coordinates . No. No. No. E . No. No. No. E . GD001 1427.43 4771 . GD002 1427.91 4771 . GD003 1427.71 4771 . GD004 1427.72 477 . GD008 1427.75 477 . GD010 1427.85 4777 . GD011 1427.85 4777 . GD011 1427.85 4777 . GD012 1427.85 4777 . GD013 1427.87 4777 . GD014 1427.87 4777 . GD019 1427.87 4776 . GD02 1426.87 4766 . GD02 1426.88 4766 . GD02 1426.88 4766 . GD02 1426.88 4766 . GD02 1426.88 4766	1/50,000 Topo: Sheet		0110 0110 0110 0110 0110 0110		چَ نے
Sample	nates E	770. 770. 771. 771. 771. 771.	്ര്ര്ന്ന് ന് ക് ക് ക് ക്	00000000000000000000000000000000000000	(F), Modé
GD001 GD002 GD003 GD003 GD004 GD009 GD010 GD011 GD011 GD013 GD013 GD014 GD013 GD014 GD015 GD013 GD013 GD013 GD014 GD013 GD014 GD013 GD013 GD013 GD014 GD013 GD013 GD013 GD013 GD013 GD013 GD014 GD013 GD023	Coordi	427.4 427.1 427.1 427.7 427.7 427.0 427.8	1427.2 1427.2 1427.2 1427.4 1427.6 1427.5 1427.5	426.3 426.3 426.3 426.3 426.3 426.0 426.6	Ė
- 2018年 - 1918年 - 191	Sample No.	60001 60002 60003 60004 60005 60005 60008 60008	GD011 GD013 GD013 GD014 GD015 GD016 GD018 GD019 GD019	GD021 GD022 GD023 GD024 GD025 GD027 GD028 GD028 GD028 GD029	*'Gravel: Mans **Topography:
N N I I I I I I I I I I I I I I I I I I	Ser. No.	1004r00c000	1224424242 2002424343434343434343434343434343434343	21 22 24 25 27 28 28 30	* Gre

Area: Sungai Tingkayu Area (Area D)

Vegitation	Secondary forest Secondary forest	Secondary forest Secondary forest	Secondary forest Secondary forest	
æ; <u>₹</u>	地名西西西西西	***********	88888888	
£-i*	ZLLZZLZZZL	ZZUZZZUZNZ	SLZZZZZZL	
€7. N	0000000000	0000000000	0000000000	
ය <u>*</u>	86661111111111111111111111111111111111	保限民民民民民工民民	&FFF & F Z FF &	
Color	មុំក្នុងមួយក្នុងក្នុង មុំក្នុង មុំ មុំប្រឹ		ന് വല്ല് വല്ല് 25 25 25 25 25 25 25 2	(M)
Depth (cm)	222222222222222222222222222222222222222	8888888888	3 3222232223	#et
Geol. Unit	AS AS AS AS AS AS	ASS	As A	. Dry (D)
Rock of Basement	amphi. schist schist amphi. schist amphi. schist amphi. schist amphi. schist	amphi. schist amphi. schist amphi. schist	schist schist schist schist schist schist tuff breccia	
1/50,000 Topo. Sheet	S. Ulu Bole	S. Ulu Bole	S. Ulu Bole	(M), Flat (F)
nates E	4767.48 4768.07 4768.07 4768.34 4768.34 4769.11 4769.50 4769.88	4770.12 4770.15 4770.90 4771.12 4771.37 4771.89 4772.33	7.7.7.4.4.4.7.7.7.7.7.7.7.7.7.7.7.7.7.7	, Moderate
Coordinates N E	1426. 42 1426. 75 1426. 75 1426. 70 1426. 07 1426. 51 1426. 61 1426. 88 1426. 88	1426.85 1426.85 1426.42 1426.87 1426.89 1426.89 1426.38	1426.85 1426.50 1426.50 1426.38 1426.57 1426.82 1426.82 1426.82	(S)
Sample No.	GD031 GD032 GD033 GD034 GD035 GD035 GD038 GD038	GD041 GD042 GD043 GD044 GD045 GD046 GD047 GD049 GD049	51 GD051 52 GD052 54 GD054 55 GD055 56 GD056 57 GD056 59 GD058 60 GD059 60 GD059	**Topography: Steep
Ser. No.	0.000000000000000000000000000000000000	70 20 20 20 20 20 20 20	80 00 00 00 00 00 00 00 00 00 00 00 00 0	*3Tol

-A472-

Coordinates		<u></u>		E 123 43 43 43 43 43 43 43 43 43 43 43 43 43	Univarion is as is a large at 1	
Sample Coordinates 1/50,000 Rock of Geol. Geol. Depth Color G. S. T. H. No. No. E Topo. Sheet Basement Unit Condinates 1.50,000 Rock of Geol. Geol. G. S. T. H. 1.50,000 Rock of Geol. Rock of Ge		Vegitation	Primary forest Primary forest Primary forest Primary forest Primary forest Primary forest Cocoa plantation Cocoa plantation Cocoa plantation Secondary forest	Cocoa plantation Secondary forest Secondary forest	Secondary forest Secondary forest Secondary forest Secondary forest Secondary forest Secondary forest Cocoa plantation Secondary forest Cocoa plantation	
Sample Coordinates		III a	地名的西加加加加加	的的抗菌类的植物的		
Sungai Tingkayu Area (Area D) Ly50,000 Rock of Geol. Geol. Depth (Conf.) Color G. No. No. I /50,000 Rock of Geol. As 25 B. B. F GD061 1425.6 4765.32 S. Ulu Bole As 30 B. F F GD062 1425.16 4765.22 S. Ulu Bole As 30 B. F F GD064 1425.16 4766.22 S. Ulu Bole As 30 B. F F GD065 1425.17 4766.12 S. Ulu Bole As 30 G.B. F F GD065 1425.03 4767.17 S. Ulu Bole As 30 G.B. F F GD076 1425.03 4767.74 S. Ulu Bole As 30 G.B. F F GD070 1425.03 4767.74 S. Ulu Bole As 30 G.B. F F GD070 1425.05 4767.94 S. Ulu Bole As 30 G.B. F F GD071 1425.06 4768.87 S. Ulu Bole As 30 G.B. F <t< td=""><td></td><td>E~ ★</td><td>ONENNNNNNN</td><td>NNESEENN</td><td>TZZZZZZNNN</td><td></td></t<>		E~ ★	ONENNNNNNN	NNESEENN	TZZZZZZNNN	
Sungai Tingkayu Area (Area D) Topo. Sheet Basement Geol. Unit Color No. No. 1/50,000 Rock of Geol. Unit As 25 B. B. GD061 1425.56 4765.23 S. Ulu Bole As 26 B. B. GD064 1425.66 4765.22 S. Ulu Bole As 26 B. B. GD065 1425.66 4766.72 S. Ulu Bole As 26 B. B. GD065 1425.64 4766.75 S. Ulu Bole As 30 B. B. GD067 1425.66 4766.75 S. Ulu Bole As 30 B. B. GD071 1425.63 4766.75 S. Ulu Bole As 30 B. B. GD070 1425.63 4767.57 S. Ulu Bole As 30 B. B. GD071 1425.63 4767.57 S. Ulu Bole As 30 B. B. GD071 1425.65 4768.43 S. Ulu Bole As 30 B. B. GD072 1425.65 4768.43 S. Ulu Bole As 30 B. B. GD073		× 20	0000000000	0000000000	000000000	
Sumgal Tingkayu Area (Area D) Topo. Sheet Basement Geol. Depti (cm No. N E Topo. Sheet Basement Unit (cm GD061 1425.56 4765.32 S. Ulu Bole — As 25 GD062 1425.64 4765.32 S. Ulu Bole — As 25 GD063 1425.64 4766.32 S. Ulu Bole — As 25 GD064 1425.64 4766.72 S. Ulu Bole — As 25 GD065 1425.64 4766.72 S. Ulu Bole — As 25 GD066 1425.6 4766.75 S. Ulu Bole — As 25 GD067 1426.6 4767.74 S. Ulu Bole — As 25 GD070 1426.6 3 4767.74 S. Ulu Bole — As 25 GD071 1426.16 4768.43 S. Ulu Bole — As 25 GD072 1426.16 4768.43 </td <td></td> <td>.; t</td> <td></td> <td>农产农产产产农产产产</td> <td>我我我开放我我我开行</td> <td></td>		.; t		农产农产产产农产产产	我我我开放我我我开行	
Sumgal Tingkayu Area (Area D) Topo. Sheet Basement Geol. Depti (cm No. N E Topo. Sheet Basement Unit (cm GD061 1425.56 4765.32 S. Ulu Bole — As 25 GD062 1425.64 4765.32 S. Ulu Bole — As 25 GD063 1425.64 4766.32 S. Ulu Bole — As 25 GD064 1425.64 4766.72 S. Ulu Bole — As 25 GD065 1425.64 4766.72 S. Ulu Bole — As 25 GD066 1425.6 4766.75 S. Ulu Bole — As 25 GD067 1426.6 4767.74 S. Ulu Bole — As 25 GD070 1426.6 3 4767.74 S. Ulu Bole — As 25 GD071 1426.16 4768.43 S. Ulu Bole — As 25 GD072 1426.16 4768.43 </td <td></td> <td>Color</td> <td></td> <td>7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.</td> <td>க்க்கு க் குக்க்க் ச</td> <td>ayey (C)</td>		Color		7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.	க்க்கு க் குக்க்க் ச	ayey (C)
Sungai Tingkayu Area (Area D) Sample Coordinates 1/50,000 F No. N E Topo. Sheet F GD061 1425.16 4765.33 S. Ulu Bole GD062 1425.16 4765.32 S. Ulu Bole GD063 1425.16 4765.20 S. Ulu Bole GD064 1425.19 4766.20 S. Ulu Bole GD065 1425.64 4766.72 S. Ulu Bole GD066 1425.17 4766.75 S. Ulu Bole GD067 1425.64 4766.75 S. Ulu Bole GD077 4767.17 S. Ulu Bole GD077 1425.03 4767.74 S. Ulu Bole Amph GD072 1425.05 4767.90 S. Ulu Bole Amph GD078 4768.87 S. Ulu Bole Amph GD073 1425.05 4768.87 S. Ulu Bole Amph GD078 4768.94 S. Ulu Bole Amph GD074 1425.00 4768.94 S. Ulu Bole GD078 4769.79 S. Ulu Bole GD078 4769.79 S. Ulu Bole GD078 4769.79 S. Ulu Bole		Depth (cm)	2282828388	8 33 23 3 2 3 3 2 3 3	35 30 30 30 30 30 30 30 30 30 30 30 30 30	(S)
Sungai Tingkayu Area (Area D) Sample Coordinates 1/50,000 F No. N E Topo. Sheet F GD061 1425.16 4765.33 S. Ulu Bole GD062 1425.16 4765.32 S. Ulu Bole GD063 1425.16 4765.20 S. Ulu Bole GD064 1425.19 4766.20 S. Ulu Bole GD065 1425.64 4766.72 S. Ulu Bole GD066 1425.17 4766.75 S. Ulu Bole GD067 1425.64 4766.75 S. Ulu Bole GD077 4767.17 S. Ulu Bole GD077 1425.03 4767.74 S. Ulu Bole Amph GD072 1425.05 4767.90 S. Ulu Bole Amph GD078 4768.87 S. Ulu Bole Amph GD073 1425.05 4768.87 S. Ulu Bole Amph GD078 4768.94 S. Ulu Bole Amph GD074 1425.00 4768.94 S. Ulu Bole GD078 4769.79 S. Ulu Bole GD078 4769.79 S. Ulu Bole GD078 4769.79 S. Ulu Bole		Geol. Unit	AS AS AS AS AS AS AS AS	As As As As As As As	AS AS AS AS AS AS AS	e: Sandy Dry (D)
Sample Coordinates 1/50 No. No. 1425.16 4765.33 S. Ulu GD063 1425.16 4765.32 S. Ulu GD064 1425.16 4765.20 S. Ulu GD065 1425.19 4765.20 S. Ulu GD069 1425.19 4766.20 S. Ulu GD069 1425.19 4766.12 S. Ulu GD070 1425.03 4766.20 S. Ulu GD071 1425.15 46 4766.75 S. Ulu GD071 1425.15 4767.74 S. Ulu GD071 1425.15 4767.74 S. Ulu GD071 1425.15 4767.74 S. Ulu GD071 1425.10 4768.87 S. Ulu GD071 1425.10 4768.94 S. Ulu GD071 1425.10 4768.94 S. Ulu GD071 1425.10 4768.94 S. Ulu GD071 1425.10 4768.97 S. Ulu GD071 1425.10 4769.19 S. Ulu GD081 1425.20 4770.20 S. Ulu GD081 1425.22 5. Ulu GD089 1425.27 4770.25 S. Ulu GD089 1425.72 4770.20 S		Rock of Basement		amphi. schist amphi. schist amphi. schist amphi. schist	schist	**Grain size: Sa **Humidity: Dry
Sungai Tingkayu Area Sample Coordina No. N GD061 1425.56 GD063 1425.64 GD064 1425.19 GD065 1425.19 GD067 1425.03 GD070 1425.03 GD071 1425.05 GD071 1425.05 GD071 1425.05 GD072 1425.05 GD073 1425.05 GD073 1425.05 GD074 1425.05 GD074 1425.05 GD076 1425.05 GD077 1425.05 GD077 1425.05 GD077 1425.05 GD078 1425.05 GD081 1425.03 GD082 1425.28 GD085 1425.28 GD086 1425.28 GD086 1425.28 GD087 1425.28 GD087 1425.28 GD089 1425.72 GD089 1425.72		1/50,000 Topo: Sheet			S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.S.	₽≅
Sungai Ting Sample Sample No. GD063 GD064 GD065 GD066 GD067 GD067 GD070 GD071 GD077 GD077 GD078 GD078 GD078 GD078 GD078 GD078 GD078 GD079 GD079 GD079 GD079 GD081 Incompany GD089 Incompany Incompany Incompany Incompany Incompany Incompany Incompany Incompany Incompany	ea (Area D)	nates E	wwwr.4-6-4-	4767.57 4767.90 4768.12 4768.43 4768.94 4769.24 4769.19 4769.19	4770.40 4770.20 4770.81 4771.29 4771.45 4771.82 4771.68 4772.25	(F), Rare Moderate
Sungai Sample Sample Sample No. GD065 GD065 GD065 GD065 GD065 GD073 GD073 GD073 GD073 GD073 GD073 GD073 GD074 GD073 GD073 GD073 GD085 GD085 GD085 GD087 GD088		Coordi	4255.55 4255.55 4255.55 4255.55 4255.65 4255.65	444444255 444444255 4425555555555555555	1442255 1442255 1442255 1442255 142255 142255	(M),
Area: Ser. No. No. 71 72 74 77 77 77 78 88 88 88 88 88	Sungai	Sample No.	60061 60063 60063 60065 60067 60068 60068	GD071 GD072 GD074 GD075 GD076 GD076 GD078 GD078 GD078 GD078	60081 60083 60084 60085 60085 60088 60088	'Gravel: Many 'Topography:
	Area:	Ser.	66 66 66 70 70 70 70 70 70	717 747 75 76 77 78 79 80	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	* 'Gr. * 3Tor

a	ŀ
(Area]	
Area	
Tingkayu	
Sungai	
Area:	

Page 4

Vegitation	Cocoa plantation Cocoa plantation 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 Primary forest Cocoa plantation Cocoa plantation	Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Primary forest Secondary forest Secondary forest Secondary forest Secondary forest Secondary forest	
**	化化的化化化的	机线送线线线线线线	BBBBBBBBBB	
.°°	NZENNHHHHH	NNNNNNEZZZ	ZAZNZNNNZZ	
× 00	0000000000	0000000000	0000000000	
G.*	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	withthaman	«	
Color		<u>க்கைக்கிக்கிக்கிக்</u>	க்க் க் க் கல்ல்க்ல்க்க்க்க்	Clayey (C)
Depth (cm)	2888888888	888888888888888888888888888888888888888	888888888888888888888888888888888888888	(S), Wet
Geol. Unit	P. Kill As As Csba Csba Csba Q2 Q2	AS A	As As As As As As As	ce: Sandy Dry (D)
Rock of Basement			amphi. schist amphi. schist	*2Grain size: Sandy *4Humidity: Dry (D)
1/50,000 Topo. Sheet	S. Ulu Bole	S. Ulu Bole	S. Tingkayu S. Ulu Bole	or none (R) (M), Flat (F)
nates E	4772.57 4772.88 4773.25 4773.86 4773.82 4774.21 4774.74	4765.15 4765.83 4765.83 4765.80 4766.25 4766.89 4766.89 4767.28	4767.09 4767.97 4768.39 4768.39 4768.87 4769.30 4769.29 4769.79	(F), Rare, Moderate
Coordinates N	1425.18 1425.75 1425.02 1425.86 1425.86 1425.85 1425.85	1424.46 1424.88 1424.88 1424.32 1424.67 1424.68 1424.10 1424.79	1424.08 1424.80 1424.80 1424.26 1424.58 1424.00 1424.07 1424.83	y (M), Few Steep (S),
Sample No.	60091 60093 60093 60094 60095 60096 60097 60099 60099	60101 60102 60103 60104 60105 60106 60108 60108	60111 60112 60113 60114 60115 60116 60117 60118 60119	"'Gravel: Many "Topography:
Ser. No.	93 95 95 96 98 98 98	101 102 103 104 105 106 108 110	111 113 114 115 116 117 119 120	* 1Gr. * 3Toj

Page 5	Vegitation	Secondary forest Secondary forest Secondary forest Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Secondary forest Cocoa plantation	Cocoa plantation Cocoa plantation Cocoa plantation 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 Cocoa plantation Cocoa plantation Secondary forest	
	H. *	拉纳拉拉拉拉拉的拉拉	机化数法线线线线	- 超越越越越越越越	
	∺ *	ZUZUZUZUZ	ZZZNZZHZNN	NENNNNEITEH	٠
	×.5	ဝဝဝဝဝဝဝဝဝဝ	0000000000	0000000000	
	2.1	REREEREE	ZKKZKHKZZH	THEFFERE	:
	Color	പ്രാപ്പ്പ്കുപ്പ് ന് ഇത്ത് ജ്ജ് ഇപ്പ്പ്പ്ക്		Clayer Graph	
	Depth (cm)	3233333333	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(S) 30 30 30 30 30 30 30 30 30 30 30 30 30	, Wet (W
	Geol. Unit	AS P4Km AS P24Km P4Km P4Km P4Km P4Km	P. Km P. Km Gs Gs Q2 Pr Pr Pr	कि विश्व का का का का का का का का वा	Dry (D)
	Rock of Basement				"Humidity: Dry
	1/50,000 Topo. Sheet	S. Ulu Bole S. Tingkayu S. Ulu Bole S. Tingkayu	S. Ulu Bole S. Tingkayu S. Ulu Bole	1 5 5 5 5 5 5 5 5 5 5 1 6	(M), Flat (F)
a (Area D)	iates E	4770.26 4770.25 4770.77 4771.33 4771.23 4771.80 4771.67 4772.11	4772.67 4773.12 4773.37 4773.89 4774.16 4774.80 4774.85	4765.12 4765.59 4765.68 4766.12 4766.19 4766.57 4766.75 4767.08	Moderate
Tingkayu Area	Coordinates N E	1424, 47 1424, 47 1424, 85 1424, 49 1424, 73 1424, 57 1424, 17 1424, 17	1424, 75 1424, 06 1424, 42 1424, 08 1424, 54 1424, 79 1424, 41 1424, 83	1423.53 1423.05 1423.78 1423.22 1423.22 1423.72 1423.07 1423.74 1423.76 1423.76	Steep (S),
Sungai Ti	Sample No.	GD121 GD122 GD123 GD124 GD125 GD126 GD128 GD129 GD129	GD131 GD132 GD133 GD134 GD135 GD136 GD137 GD138 GD138	41 GD141 142 42 GD142 142 44 GD144 142 45 GD146 142 47 GD147 142 48 GD148 142 49 GD149 142 50 GD150 142	Topography:
Area:	Ser. No.	121 123 124 125 126 126 127 128 129	131 133 134 135 135 137 138 138		dol.

Area:

4771.36

GD166 GD167

1423. 05 1423. 53 1423. 42 1423. 42 1423. 04 1423. 78 1423. 35 1423. 35 1423. 73

GD164 GD165

GD161 GD162 GD163

4771.75 4771.90 4772.40

GD168 GD169 GD170

4772.20 4772.60 4772.79

4773.13

1423.71

GD174

4773.68

1423.01 1423.65

1423.91 1423.43 1423.85

90178 90178 90189

GD177

**Topography: Steep (S), "Gravel: Many (M), Few

Secondary forest Secondary forest Cocoa plantation Secondary forest

Secondary forest

Socoa plantation Secondary forest Secondary forest

Cocoa plantation Secondary forest

forest

Secondary Secondary Secondary

forest

Secondary

forest forest forest

Secondary forest Secondary forest Secondary forest Secondary forest Secondary forest Cocoa plantation

Secondary

Cocoa plantation Cocoa plantation

plantation Cocoa plantation Cocca plantation

Page 6

Vegitation

H. * - ro v, °, ≆ ق

Color

Depth

Geol. Unit

Ġ. Basement

Rock

1/50,000 Topo. Sheet

Coordinates N E

Sample

Š.

4768.12 4768.66 4768.77

1423.36 1423.86 1423.86 1423.86 1423.65 1423.15 1423.16 1423.16

GD153 GD154 GD155 GD156 GD156 GD158

4769.03

4769.76

GD159 GD160

Secondary forest Secondary forest Secondary forest

Secondary forest

ć	
ġ	Ĺ
Amon	d
7	
00.40	Ç
١	Ų
ė	C
Tingkain	9
ě	ľ
ذ	
č	
Ľ	-
•	•
ō	
S. Contract	į
:	
Ú	3

		Plant and a second a second and			
Page 7	Vegitation	Secondary forest Secondary forest Secondary forest Secondary forest Primary forest Primary forest Secondary forest Secondary forest Secondary forest	Secondary forest Secondary forest Secondary forest Secondary forest Secondary forest Secondary forest Artificial forest Artificial forest	Artificial fore. Secondary forest	
i	::: ¥	战战战战战战战战战	地区地名地名地名地名地	出抗菌植物植植植物	
ļ	F *	ZZZZZZZZ	222H2HHHZ2	TENEETENNN	
	× 20	woooooooo	0000000000	000000000	
	٠ <u>.</u>	F-F-8-F-F-F-8-8-8-8-8-8-8-8-8-8-8-8-8-8	民民民民民民民民民民	RRHREERKK	
	Color			9. 8. 8. 8. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.	Clayey (C) (W)
	Depth (cm)	300 300 300 300 300 300 300 300	8888888888	8 3 2 2 2 3 8 8 8 8 8 8 8 8 8 8 8 8 8 8	(S) wet
	Geol. Unit	P.4 Km P.7 Km P.4 Km P.4 Km P.4 Km P.4 Km P.4 Km	P. Km 0.2 0.2 0.2 P. Km 0.2 P. Km 0.2	Prepress P. E.	size: Sandy ty: Dry (D)
	Rock of Basement	sandstone tfc. sandstone tfc. sandstone		peridotite peridotite peridotite peridotite peridotite peridotite peridotite	*2Grain size *4Humidity:
	1/50,000 Topo. Sheet	S. Tingkayu	S. Tingkayu	S. Tingkayu	or none (R) (M), Flat (F)
a (Area D)	lates E	4774.80 4765.59 4765.32 4765.32 4766.24 4766.24 4766.88	4767.40 4767.62 4768.23 4768.14 4768.75 4768.75 4769.19 4769.84	4769.80 4770.17 4770.44 4770.66 4771.29 4771.42 4771.69 4771.69	(F), Rare Moderate
Tingkayu Area	Coordinates N	1423.16 1422.90 1422.55 1422.11 1422.80 1422.80 1422.13 1422.13	1422.52 1422.07 1422.89 1422.05 1422.05 1422.16 1422.75 1422.07	1422.08 1422.26 1422.23 1422.63 1422.63 1422.83 1422.65 1422.65	y (M), Few Steep (S),
Sungai T	Sample No.	GD181 GD183 GD183 GD185 GD185 GD185 GD188 GD188 GD188	60191 60192 60193 60195 60195 60197 60199 60199	GB261 GB202 GB203 GB204 GB205 GB205 GB206 GB208 GB208 GB208 GB208	"'Gravel: Many (M),
Area:	Ser. No.	181 182 183 183 188 188 188 188	191 193 194 195 196 198 198 198 198	201 2002 2003 2004 2008 2008 210	* Gra

0	· · · · · · · · · · · · · · · · · · ·
u Area (Area	
	,
ai Tingkayu Are	

		~	1
Vegitation	Secondary forest Cocoa plantation Secondary forest Cocoa plantation Cocoa plantation Secondary forest Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation	Cocoa plantation	
in; 4.	地名西班马里	β ±	
. % [⊷t #	NNNNNNNNNNN	W	
N #	OOOOOOOOO	υ	
હ ં ∓	KULKKUZZZZ	ţ <u>ı</u> ,	
Color		L. B.	Clayey (C)
Depth (cm)	30 30 30 30 30 30 30 30 30 30 30 30 30 3	30	, (S), , Wet
Geol. Unit	P.4 Km P.4 Km P.4 Km G.S. G.S. P.4 Km Gb GS CSba	Csba	ce: Sandy Dry (D)
Rock of Basement		-	*2Grain size: Sandy *4Humidity: Dry (D)
1/50,000 Topo. Sheet	S. Tingkayu	S. Tingkayu	or none (R) (M), Flat (F)
lates E	4772.17 4772.52 4772.85 4773.12 4773.75 4773.75 4774.11 4774.37	4774.86	ew (F), Rare or (S), Moderate (
Coordinates N	1422. 42 1422. 05 1422. 05 1422. 46 1422. 49 1422. 91 1422. 22 1422. 83 1422. 83	1422.10	. 114
Sample No.	GD211 GD213 GD213 GD214 GD215 GD216 GD218 GD219 GD219	GD221	'Gravel: Many (M), 'Topography: Steep
Ser. No.	211 212 212 214 215 215 216 218 220	221	"1Gre

-A478-

Appendix 3

Analytical results of soil geochemical samples in Area D

_
-
_
· O
Ø,
-21
-
2
⋖
7
N
.≍
E
卿
751
8
Φ
σį
ا_ن
7
_
+.1
.v
-71

	۶ ا	<u>.</u>]	. ~	1.00	no.	_	رم دم	ح.	,	<u>.</u>	 :	4	er e		י ת	٠, ،		Ņ.		S) 4	. v			on .	en .	9 (xo /	N 14	n =	• •	o -	- 17) v ø		, gris	(0.1	r s	o ^	· .	, ,	· /~ .	ın	ıo	വ	~	ر م	~ c	, ₄ ,	j
. ,	5	J																																															
i	: £ 3€ 2	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	٨	۱۵	۵	۵	٨	۵	۵	۵	۵	۵.	۵.	۵	۸a	٥	٥.	٥.	٨	۸۵	۵	۵.	۵.	۵.	۵.	(r) (٥٥	\$ &	36	36	7 &	3.0	۱۵	۵	۵	۵	۵۵	96	3.0	۱۵	۵	۵	۵	۵	۵	۸۰	30	86	
	⇒ £	2	٨	۵	۵	۵	۵	۵	٩	7.	20	~	7	00 4	7.		?	3	∞ •	N (7 (7	۵	7	~	4	٥	٥٠	, ,	, ç	۶ ب	3.6	,	Ŋ	۲.	7	~ <	N C	, Ķ	٨	۵	۵	٥	8	۵	۵۰	٩٨	۵۵	
ļ	Ľ,	\$ 5	8		8.	8	8.3	E	4	8	8	8	မှ (39 8	8 8	0 0	8.5	\$	3	3 8	38	χì	20 9	8	e i	2.5	3 5	7.5	9.5	* K	3 8	8	5	က္ထ	8	8	<u>დ</u> ც	8 8	36	: 1:	8	99	5	88	1.21	9 S	38	. 75	
	S S	100	101	S	5	8	85	9	3	<u>o</u>	8	122	125	25	3	7 1	8	3	200	3;	2 8	უ ა	31	22	2	٥	3 5	3 5	<u>0</u> g	3 6	, č	3 rc	, <u>~</u>	137	88	සූ	35	105	197	23	53	145	157	117	ີດ	104	<u>-</u> 8	126	
	g 8	0	G	ເດ	0.0	69	16.2	.3	ત્યું 4	7:7	တ တ	ω 9	. · ·	2 10	c	0 0	n o	0 0 0 0	ο: :0:	4 r	- (- ı	φ Ω	က	~ (က ဝင်	<u>ი</u> ი	 	o c) h		· ·	, co	10.7	0 9	11.6	တ င လ -	- 0	5	0	10.2	٩	တ လ	10.3	က် 4	တ (တ (0 C	9 4	
	w %	37	043	037	833	044	. 934	.027	. 045	. 027	024	56	880	χ 5 6	38	770	36	770	5 5	35	770	9 6	9 1	512	9 5 6	2.0	470	2 6	2 6	2	043	017	020	8	. 026	.018	9 8 8 8	900	041	337	.039	.035	8	.028	8	88	3 &	.029	
	g &	A	۵	۵	۵	۵	۵	۵	۵.	۵	۵	۵۵	۵.	٥	٥ ۵	١.		٥	Δ.	٥ <i>د</i>	٥ (۸ ه	٥.	٥.	۸.	n á	1	36	16	۸ (۵۵	۵	۵	۵	۵	۵	ه ۵	3.6	۵	۵	۵	۵	& :	۵	۵	۵٤	7 \	۵	
	N.	20	8	8	4	တ္ထ	8	214	2	æ :	8;	<u>.</u>	ន្ត	8	80	7	7 L	o :	<u>5</u> 8	3 =	d (\$ 8	5		5 , :	4 6	ō F	25	. 6	e tr	3 00	. ec	8	34	47	674	S 8	<u>8</u> &	स	83	쭚	₹	7	33	8	286	7 X	&	
	æ ×	2	1 22	2	1.05	1.27	1.09	25	8	1.07	6 6 7	g 37 (200	2	2 2	8 6	26	38	25	38	3 6 N 6	9 0	ō	- - -	9		200	5 8	, K	? ¢.	8	Ю	14	88	2.51	55 50 50 50 50 50 50 50 50 50 50 50 50 5	, c	2 6	28	23	2.9	1. 77	<u>.</u> 5	3, 12	1.49	. 40 64 64 64 64 64 64 64 64 64 64 64 64 64	280	3 17	
	Q 200	1																																															
	£.00	18	316	8	. 60	577	342	333	222	222	25.5	20 5	20	Sign	200	3 2	1 6	2.5	<u>.</u>	88	200	8 8	33	و م	25.5	9 3	0 0	, £	8	2	317	A	189	783	512	202	250	000	187	848	216	98		215	50	8	2 g	357	
Ì	\$%						. :																		٠,																			•				14	
	× %																																																ľ
ı	£ 8	1																																										: :				: 1	
	38		: :	:																					٠.																								
	F															. :															•																		
1	ა <u>8</u>		٠,		-						. '			٠,																					i													. !	
	8 8	8	47	42	8	8	67	Ø.	7 6	\$ 5	n 6	2 6	7.5	4 a	õõ	ţ	40	3 0	9 6) -	* 4	1 6	3 6	2 .	4 6	2 6	30	, c	ξ	2	က်	24	78	53	Ω.	74	, K	88	4	43	42	83	8	3	8:	4 8	3 50	42	!
	8 6 6	1-	5	2	55	- ;	8	တင္	<u>.</u>	4 6	19	n ĉ	32	2 5	1 1	, <u>u</u>	, t	ວ ຢູ່	3.6	7	- C	3 \$	7 0	2 6	ţ u	<u>.</u>	o g	5 	េ	17	6	00	27	7	88	, v	מ כ	g	56	7	82	37	ω.	27	88	X 4	<u> </u>	7	
	₹ 8	1	^	Δ	<u>^</u>	Λ	<u>^</u>	Δ.	<u>^</u> 4	<u>^ </u>	<u>^</u>	<u>\</u>	<u>^ /</u>	<u>\</u>	<u> </u>	4	<u>. </u>	<u> </u>	<u>\</u>	٠.	- د	4 /	٠.	- 1-	. 4	<u>\</u>	<u>\</u> ,-		Δ	۸	Δ	<u>^</u>	۸	Δ	Δ	Δ.	<u>^</u>	Δ Δ	_	Λ	Δ	<u>6</u>	Δ	Δ.	Δ,	<u>, 4</u>	_ ^	۸	
	S g	<u>^</u>	<u>^</u>	Δ	<u>^</u>	Δ,	Δ,	<u>^</u>	<u>^</u> 4	<u>^</u> 4	<u>\</u>	<u> </u>	<u> </u>	<u>\</u>	<u>.</u> 4	4	4	2.4	<u>\</u>	۷.	<u> </u>	3.2	<u>\</u>	<u>\</u>	<u>\</u>	<u>\</u>	<u>.</u>	^	Δ	Δ	Δ	Δ	Δ	<u>^</u>	Δ	<u>^</u> 4	<u> </u>	<u>, 7</u>	۸	Δ	<u>^</u>	<u>^</u>	<u>^</u>	<u>4</u>	<u>^</u> ;	<u>^</u>	7 7	Δ	
	ر م ع	98	8	910	8	0.	ි දුරු	2 6	3 6	2 6	200		36) C	2	: 2 2 2	200	3 5	2 0	35	35	2 6	9 6	2 6	2 6	250	2 5	200	20	8	22	220	130	9	2	96	2 6	38	ည	220	25	20	22	8	8	9 9 9	200	20	
	120시 참 (참	1427	1427	1427.	142	142	1427	77.	7.	7.77	777	7 67	747	75	100	1.07	1,07	100	1707	1497	707	2,44	200	300	200	1726	1426	1426	1426	1426.	1426.	1426.	1426.	1426.	1426.	1425. (1/26	1426. 8	1426.	1426. {	1426. (1426.	1426. 8	1426.	1426	1426.	1426.	1426.	
	8 5 g 2 g 2	0.200	0.570	0.780	1.020	3	38	8	36	2 6	200	7 c	3 6	2 6	36	200	200	8	200	889	3 2 3 3 4	2 0	8 8 6 4	200	9.0	2 K	270	900	7,040	7, 250	7.480	7. 780	9.070	8, 420	8	92.4	 	200	9880	D. 120	0. 150	.28	8	120	1,370	6 8 6 8	370	2330	
	×	477	477	477	477	4		4 - [- [- [. (-	100	11.5	1 4	477	177	777	. 1.	177	777	776	17.4	120	1 .	7 4	175	475	476	476	476	476	476	476	476	476	476	4.0	476	476	477	477	477	477	477	7	7/4	4772.	477	
	97c	100	20	ဋ္ဌ	8 6	ည် ရ	91	- 0 - 0	9 9	200	2 =	- 0	20	2 4	, L	200	7.	a	0	2 6	25	, 5	4 5	2.5	124	36	25	128	129	330	331	32	88	8	332	38	- g	38	6	Į.	742	<u>1</u>	4	5	9	701	5 Q	සි	
ļ	2 2 X	<u> </u>	ਲ ਨ	გ წ	주 :	≨ } }	€	₹ 5 8) (1.0	49 CD049		
ŀ	ğ ≱		:					: -		•		•							. •	•		•	•	- j	۱4	8	-				~,	• •					. . .	, (•)	7		•	7			•		, 4	-31	l

List of Geochemical Analysis (2)

2 8																																																	
¥ å	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵ د	۸۵	8	7 6	8	16	18	۶ ۵	3.6	3.6	۵.	۵۵	۵	۵	۵	۵	۵	۵	۵۵	٥.	٥.	۱۵	8	۵	۵	۵۵	44	
⊃ a	-2	Ą	4.	٥	۲.	7	.5	ن 9	φ.	۵.	.5	٨	7.	Ą	۲.	٨	7.	4	۵	۲.	Ġ.	0	! 🔻	, 6	, ,	ic		۶,	, 6	,	; &	,	۸۰	4	۵	۵	٥	٨	۵	4.0	Ŋ		į		515	2.0		χ (O	
<u>:</u> -:¦ %	. 73	<u>د</u>	δ.	: :8	5.	8	<u>%</u>	₹.	74	Ξ.	ő	8	. 47	52.	42	1.04	8	8	1.05	8	5	2	i.	. 8	3 8	3 5	- - - -	3 5		5 ਵ	8	8	38	8	8	76	75	. 72	22	e.	9	8.8	3 8	3	₩	4	8	4 %	
r S																																																	
8 8	3.1	νή	r L	12.0	ر. م	0.8	4.4	3.7	4.2	2.8	3.4	တ တ	6 0	٠ <u>.</u>	2.0	တ ထံ	7.7	3	ω.	7	4.3	4	i c) c	1 1	- <u>C</u>	ы С	٠ ١		· «	o uz F.cc)	တ	∞	16.7	12.4	12.3	က တ		თ i — '	ភ ព	0 C	9 6	, r	5	ဖ	4.0	4 . ს. თ დ	
ω %	043	.037	020	944	023	.014	18	025	.83	.083	.065	064	889	890	029	S	033	020	88	0.2	.020	17	5	300	25	3 8	200	2.5		26	3 -	י כ	0.0	0.0	028	025	045	9	. 042	923	420	35	200) (C	60	.023	8	0.0	
& g	٨	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	٨	۵	۵	۵	۸	۱۵	16	16	۶ (16	7 %	8	۱ ۵	2.6	8	۵۵	۵	۵	۵	۵	۵	۵	۵	0.6	Q 6	78	; <u>;</u>	0	ល	۵۵	م ۵	
IN N	25	50	28	88	53	110	52	52	120	802	69	8	8	٤	49	126	989	80	275	80	Ę,	<u> </u>	144	<u> </u>		ğ	3 K	2 00	35	3 6	3 5	18	34	8	22	4	47	ည	တ္တ	တ္တင္	N 8	3 8	2 6	1 E	23	171	4	2 K	
2 %	43	000	8	2.22	2.71	2, 86	3. 90 5.	8	1, 47	8	2.46	2.25	4	2.37	33	- 83	1.25	8	15	<u>.</u>	8	7.0	į	3 5	3 5	# Q	. 6	0 %	3.8	, a	3 4	ģ	. 60	20	ა გ	2. 77	. 52	2.83	რ გ	 86.6	88	200 200 200 200 200 200 200 200 200 20	ο α Ο α	1 3 2	9	7	စ္	38	
Q 8	^	Δ.	Δ	Δ.	4	<u>^</u>	<u>^</u>	-	<u>^</u>	^	<u></u>			Δ.	<u>^</u>	^	<u>^</u>	Δ	Δ	Δ	. 🛆	<u>. </u>	<u>.</u> _	<u>\</u>	. £	کے کے	<u>\</u>	<u>\</u>	<u>\</u>	\	<u> </u>	<u>.</u>	^	_	Δ	<u>^</u>	۸	Δ	Δ	Δ.	<u>^</u> .	<u>^</u> 4	<u>\</u>	۸ ۸	Δ	Ÿ	Δ.	Δ Δ	
Wh	901	626	229	32	414	584	439	505	. 122	679	702	304	380	342	685	1316	683	284	530	68	766	88	t a	9 6	20.5	991	2 6	0 2 2	2 2 2	2000	3 4	} &	33	۵	1338	1547	1625	1358	917	1062	253	200	, ,	45.0	230	842	1626	2415 105	1
28 %	L																															:																છ. <u>⊢</u>	
⊼%																														٠.																			
P qqq	47	ξ.	46	7	28	<u>र</u>	9	127	8	<u></u>	102	103	6	102	2	41	69	9	21	87	<u>د</u>	8	36	õõ	- £	3 5	<u> </u>	8 6	ŧ 6	3 5	3 5	3 4	2.5	82	88	23	5	22	æ	8	ֆ լ	ဂ္ဂ င္ပ	n 6	3 K	9.5	8	⊏ {	3 5	!
7 8	57	27	e	82	8	121	<u>න</u>	ဓ္ဌ	88	5	27	ρ2	106	ස	5	60	220	24	121	106	į.	, £	3 5	2	- e	9 6	9 6	35	4 0	2 8	8 8	3 2	200	69	5	8	32	107	ගු	ဖ္တ	2 5	7 4	2 5	ဗ္ဗ	<u>@</u>	52	<u>α</u> (<u> 4</u> 0	
င် ရ	6	မ္တ	2	E	7.	125	56	છ	224	1920	262	339	290	264	151	3.8	621	444	451	212	193	25	9 4	0 6	777	<u>.</u> 6	7 9	277	1 6	100	2 5	5 6	1 10	244	44	7	မ္တ	216	204	සු	3 5	% 6	200	5 %	စ္တ	153	159	721	
ු දි																																							:					ir i	٠.	:	٠.		
88 E		<u></u>	œ	က္	۲-	4	44	8	8	4	53	둱	32	55	õ	53	2	43	<u></u>	o	92	۰,	- a	000	8:	2 5	41	ိုင်	7 6	3 6	3 6 7	3 4	25	266	422	551	451	412	297	671	8 8 8 8	4 5	7 T	8	162	122	5	<u>5</u>	
₹ <u>0</u>																																																	
As	^	4	<u>^</u>	<u>^</u>	4	<u>^</u>	Δ	<u>^</u>	Δ	Δ	Δ	Δ	<u>^</u>	۵	4	<u>^</u>	^	ស	<u>۸</u>	^	Δ	<u>^</u>	, c	ı /	\ <u>/</u>	۷.	<u>\</u>	<u>\</u>	<u>\</u>	<u>\</u>	<u>\ </u>	<u> </u>	<u> </u>	Δ	^	Δ	Δ	<u>^</u>	Δ	۸,	~ .	^`↓	<u>\</u>	יא י	, Δ	۲-	Δ.	ΔΔ	
(F)	850	. 50	8	380	5.570	 8	3.820	 4	320	. 690	5.560	8	5.640	8	580	5, 170	. 460	5.030	5. 270	930	15 15	30	36	30	36	3 6	200	2 6	36	3 8	250	36	9 00 6 00 6 10 6 10	120	5, 280	900	5. 620	5.020	5, 720	5.270	201	3 6	200	880	300	5.650	5. 130 250 250	7. 280 400 000	
Sation (km d Y-coo	1426	1426	•	•		-																												, ;			٠.	-		_			_ 1		٠		· _ `.	0 1425 10 1425	1
N X	4772.73	4772.82	4773, 26	4773, 25	4773, 72	4773.63	4774, 17	4774, 16	4774.53	4774, 93	4765.33	4765, 32	4765, 82	4765, 72	4766.20	4766, 12	4766, 75	4766.86	4767, 17	4767.74	4767, 57	4767 90	4768 13	77.00	4760	75007	72.097	4789 4	4789 10	7780	4770 40	7770	4770.86	4770.81	4771, 29	4771 45	4771 82	4771.66	4772.25	4772.09	5 6 6 5 5	× 57.74	4772 4	4773	4773 8	4774.21	4774 16	4774, 770	
ay -	-	Ç.	છ	¥	ស	ဖွ	7.	ജ	တ္တ	g	<u>:</u> -	S		¥	က္က	çç	37	92	g	5	-	3:	1 2	2.5	ŧκ	. K	19	- g	2 g	2 5	3.5	چ	3 XX	×	ည္က	မ္တ	37	88	တ္တ	8	<u>5</u> 5	38	88	, K	æ	26	88.2	3 S	
Sample No.	- 803	5. 505	3000																																														
å S	က်	ຂັ	ద	വ്	ស័	ഗ്	വ	ഗ്	ណ៍	জ	ø	യ്	ъ́	ൾ	Ø	ത്	ω	æ	ďά	~	~	- F-	- A	4	- F 82	- ř	~ i ~	- 6	·ř	- Œ	ο α	Ò) 0 0	ď	σ.	Ø	Ø	ω .	œ	σ (<i>5</i>) (лÓ	n d	ıσ	φ	m	တ (82]

ଚ	
Analysis (
sochemical	
ist of G	
_	

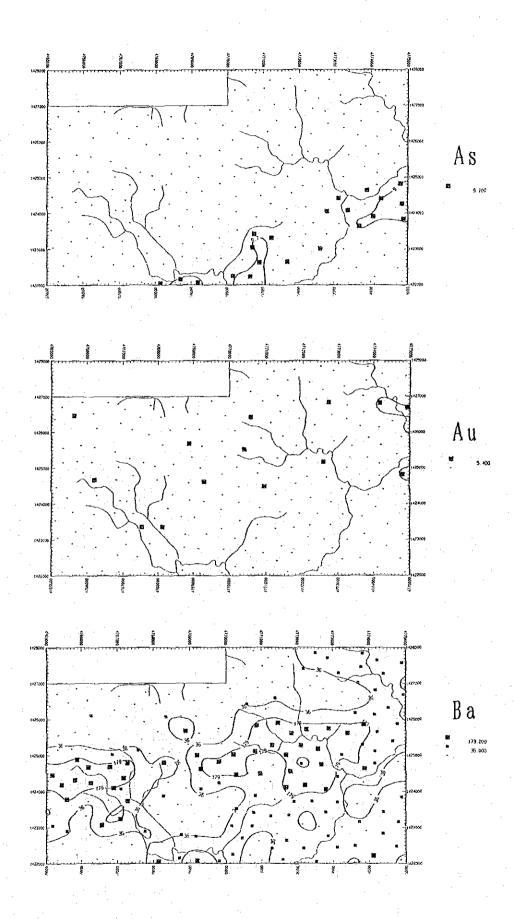
	ន	E	8		88	စ္တ	ଝ	88) (1)	5 FC	8	8	င္က် ဗ	3 6	10	88	F (81	5	5	2	101	92	D &	38	8	8 8	86	i B	101	3 %	32	22	35	: E	76	စ္ကာ န	35		₹	88	<u> </u>
	ĺ		ĺ																								:														۵۵	ļ
	İ	٠.						Ē																				•														- }
1.														.:																											N 4	
	ï	%	.87	4.6	9 6	8	1.02	1.17	38	20.	1.02	8	2 23	280	1.02	88	13	4 6	8.6	8	8	1.25	 8	9 6	9	Ŗ	‰ 6	- 0 4	8	8 6	٠. ج	88	56	30	1	8	5 6	28	£.	818	ž 2	8
	Ś	C	8	2	3 6	200	8		3 2	4	<u>%</u>	54	알류	2 5	126	32	8,	10 0	? <u>C</u>	ე თ	74	1	2,	~ g	8 80	Ξ	3 8	8.4	75	~ €	3 -	<u></u>	70 7	4 .	8	8	50 6	55	E.	ខ្	3:=	တ
	ક્ર	E	12.8	ີ່ ເຄີ		÷.	် တ (၀)	10 10 10 10 10		; _{[-}	13.1	တ် (၀)	ο 2 α 2 α	o ⊷ o ∞	15.8	11.6	დ c ~; -	o (ം ദേ	, e	11.6	17.0	ი ი	ų 4 υ σ	11.2	ဖ	ω φ ο	<u>0</u> ∞	2	 	0 <u>0</u>	4	4.0	10.7	က က	23 13	- α - α) h	ထ တ	တ င် — င	9 6 9 6	12.9
	S	36	.053	. 047 7.80	047	049	4	. 032	245	049	.045	တ္ထ	5.52 5.52 5.52 5.53	022	043	. 029	0.0 8.0 9.0	070	920	014	. 032	. 045	-614	36	018	910	225	510	.012	500	50.	013	0.0 80 4	010	.034	.012	38	88	. 047	8 8	250	820
	æ	e Q	۵	8	18	۵	۵	۸ ه	36	۸۵	۵	٨	۵۵	۵	۵	۵,	۵	36	36	۵۵	۵	۵	8	۸۵	۵	۵	۱۵	3.6	۵	۸.	N A	۵	A &	۵۵	۵	۸	9.0	۵۵	۵	8	40	۵
	Ŋį	WGG	113	<u> </u>	\$ <u>88</u>	162	<u>당</u>	<u>5</u> 2		12	236	21	3 2	2 83	97	2	<u></u>	\$ 6	133	2	345	8	S 4	8 G	17	20	107	: 3	S S	972 24	256	32	1271 1271	025	8	157	25	8	131	157	2 &	103
	l																:	٠.													٦		.,.			:		Ť.	e E		.21	
																																									7 V	
1														, i							٠.																					
	₹	ă	86	8		1174	8	9 6	9 G	345	147	<u>8</u>	2 E	33	2382	8	<u>~</u>	70,	- 8	242	1429	420	•, •	219.	80	100	90 t	ğ "'		23.16	362	SC	25.5	180	149	92.	δ. Σ.	က	126	5	<u>.</u> &	28
																															-			-					100		28	
	×	۶6	.20	<u>.</u> દ	12	<u>8</u>	i	2 5	38	 8	0	6	8 8		<u>^</u>	83	<u>^</u>	3 6	200	<u>^</u>	₹	= {	<u>^</u> 6	30	1.29	3.01	8.6	8	8	6	. <u>.</u>	8	85	/ V	₽	= 8	88	<u>^</u>	.01	8.4	<u>.</u> 8	80
	£	8	7	286	, c o	<u>ω</u>	8	o F	8	88	37	ខ្ព	3 6	88	75	-	8	, <u>;</u>	2 82	88	ဇ္တ	135 15	ညှင့်	38	٤	£.	86	2,6	25	∯. 64	3 <u>4</u>	8	00 C	122	တိ	₩		8	42	ក ស ម	<u>ද</u> නි	130
	3	E d	န္တ	8 8	3 P	ໝູ	24	20	0 0 0	50	8	5	88	312	20	8	လ (၉၂	20	8 &	12	92	101	8	81	8	~ ;	4 F	2 5	: :=	დ წ	3 8	œ	 	4	బ్	<u>y</u> 9	318	8	8	င်္ဂ ဗ	88	ઢ
	ပ်	E	182	ည လူင်	424	240	232	0 8	88	33	88	26	200	8	662	9	224	0 8	88	69	88	252	200	32	370	64	207 207	32	53	445 105 10	957	8	ည် က	93	82	8	9 6	9	349	900	204 	ă
								:	5													7						٠			Ī								Ġ	.:	3 8	
		اء									j.								: •																						.*.	
İ		- 1																										100													ر 854	- 1
													:						. 1			-							:.										. '		<u>√</u> ~	
	As	ā	≙	<u>)</u>	വ	Δ.	<u> </u>	2	7 \	. <u></u>	.≏.	Α.,	△	<u>م د</u>	^	Δ.	<u> </u>	<u> </u>	<u>`</u> ^	Α.	۵	σ η -	<u>^</u>		^	Α,	N.÷	<u>}</u> =	დ	<u> </u>	4 ←	Α,	<u>φ</u> <u>\$</u>	4	Δ.	△ ,	<u> </u>	<u>.</u> ^	Ψ,	÷	<u>^</u>	4
	(km)	2 8	4.4 660 660	7 8 8 5 4 5	320	4.670	240	85	. 45 26 26 26	380	4.080	670	25 800 2600 2600 2600	4.580	4. 100	4. 620	4.070	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	470	4 040	4.850	4. 490	4; 4 0; 6 0; 6	570	4. 120	760	7.70	360	4, 420	24.080	250	790	4.0	270	3, 530	3.050	2 2 2 2 2 2 2 2 3	33.330	3. 720	3.075 1075	3 8 3 8	3.240
	ät	_[٠.	- : [11	-		12						<u>.</u>	<u>.</u>	$\mathcal{E}[x]$		j.		· 	<u>:</u> .						<u>. 1</u>	<u> </u>	_							<u>.</u>	1	_			δ 1423.	
	୦ <u>୮</u>	8	1765. 15	765 /3	1765, 80	1766. 20	1766. 25 766. 25	200	1767. 28	1767. 16	1767.09	1767.97	768	1768.87	1768.88	1769.30	1769. 29 1760. 90	750	1770.26	1770.25	1770.77	1770.95	36.5	4771.80	1771.67	1772. 11	4772, 20 4773, 63	4772, 79	1773, 12	1773.37	4773.82	1774. 16	1774.28	4774, 85	1765, 12	4765. 18	4765.55	166.15	4766.15	4766.57	4767. 28C	4767.08
			•			7				•	7	•		7	7	7		•	. 7	7	`	•			•	,	•			•	• •	•	•			•	•					
	Sample	ġ	200	2010	10 P	30105	90106	200	8 G	0110	8 11 11	원 112 123	30116	20135	30.116	2	90138 80138	36.	3012	3D122	3D123	3D124	30125	30127	30128	30129	9 9 1 9 1 9	30133	30133	85.58 5.58 5.58	30.00	20137	85138 86138	30140	30141	3D 142	3143	30145	80146	914	9.6	GD 150
	Ser. S	છું	<u>.</u>	76	3	105		2 2	3 2	120		123	5 7	13	116	7	81.	2 2	125	2	123	124	222	27	82	129	85	3.65	33	134	5 <u>6</u>	137	88	8 5	141	24	5 4 5	145	45	747	9 <u>5</u>	150
ļ		. [;											٠	-,	A 4	83	5																		. '.	

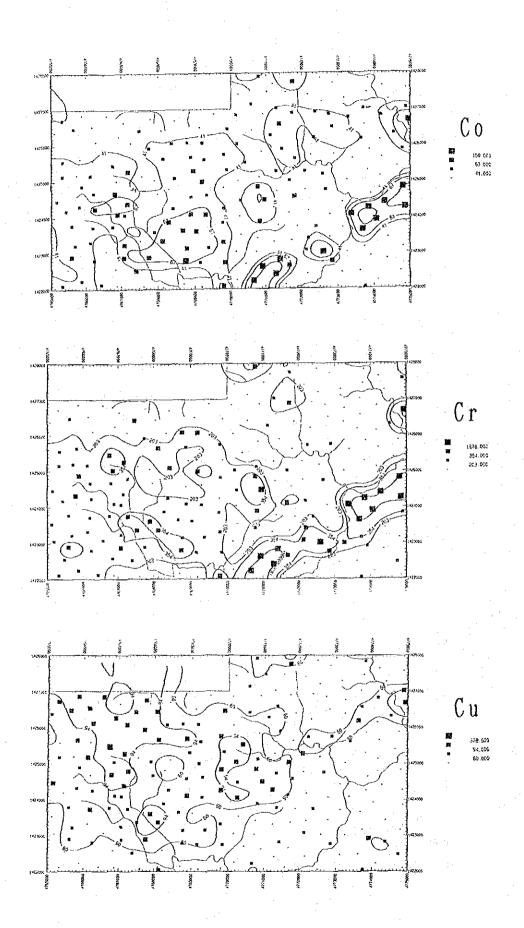
5	- 1																																																			- 1
*	Ę	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۸۱	۵,	3.6	7 6	\$ 6	3 6	ه ۵	٥.	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵۵	3
)	E CO	. 2	v t	7.	4	۲.	4	4	۵	7	•	2.2	4	4	. 6	, ,			1 (0 0	7.7	7	۹	Ą	2.4	2.2	 89	ý	7	۵	2.4	က တ	% %	۲,	44,	બ્	4	Ą	ď	4	မ	ď	φ.	.0	4	0.1	, 8	ω̈́	8,	~	% % <	
11:	96	8	88	1.33	٠ ج	ન ક	<u>න</u>	89	io.	. 40	.04	33	47	7	8		3.5	t 8	9 8	3.5	3 1	. 51	<u>စာ</u>	90.	છ	24	8	ġ	₹ 8	ġ	. 27	1.20	.35	.87	8	. 25	8	8	88	74	8	. 31	8	മ	8	8	З	ક	4		당:	<u>}</u>
ı	- 1																																																		۳,	ı
જ	mod	2.7	က်	10.4	တ က	ෆ ග්	4.	ဝ တံ	11.6	တ တ	6	0.7	(d)	9 0		; 1 K	, L	- 0) (ć	٥,	က	0.0	<u>တ</u>	.; 4	5.7	2,5	5	2.4	0.0	တ	% '-	လ ထ	4.3	<u>0</u>	က က	4,	12.7	თ ძ	ထ ည	2.6	12.2	က	4 8	4	2.8	လ ထ	24.2	~	8 0	ເບີ່ ເບີດ	2 2 2
4																																																			0.0	- (
6	Had	۵	۵	۵	۵	۵	۵	۵	۵	٨	۵	۵	i co	۸,	l ur	<u>ک</u> ا ﴿	7 ć	\ 6	١,	N É	٥	۵	۵	۵	တ	۵	ഹ	۵	7	۵	7	00	ထ	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	ω	۵	en b	اد
N.	ucd	82	35	8	117	ò	<u></u>	8	<u>8</u>	22	11	2	8	. G	<u> </u>	. Q	, i	S 4	<u> </u>	<u> </u>	3 (8/	8	2739	44	2	279	4083	175	4145	ក	<u>ი</u>	12	192	æ	<u>~</u>	င္မာ	8	ගී	45	7	126	9	ä	87	ദ്ര	8	757	<u>0</u>	126	88	3
2	*	83.	16	1, 25	8	1.27	8	\$	1.47	8	12	0.0	0	ā	Š	38	3.5	- 8	3 8	20.0	2	2 3	1. 42	.07	:33	.04	0	8	9	8	8	. 13	8	00	- 1	 8	9	<u>.</u> 8	2	0,	ò	20	2	8	90	\$. 16	54.	8	2.04	85	3
₽	mdd	۵	<u>^</u>	4	<u>^</u>	4	<u>^</u>	<u>^</u>	Δ	Δ	^	^	<u>. </u>	4	4 4	<u>. </u>	<u>\</u>	<u>^</u> ↓	. د	^ .	^`	Δ	~	^	~	-	4	<u>^</u>	<u>^</u>	Δ	Δ	<u>^</u>	^	Δ	Δ	<u>^</u>	_	۵	Δ	-	<u>۸</u>	~	<u>^</u>	<u>^</u>	7	· •	4	<u>^</u>	24	<u>^</u>	ω /	. د
£	E d	283	1238	2388	986	1724	338 338	2588	1347	805	8 2 8	253	468	388	3 4	3 6	3	g ú	à	A d	A į	1751	85 (2)	4850 4850	2335	210	50	2243	367	1956	ል	408	۵	1888	8	8	834	536 8	1564	4	۵	4195	1004	۵	4739	1584	259	4471	A	1946	ئ ئو	2
Ş	Ж.	. 14	8	5	. 25	8	. 26	<u>8</u>	8	35	6	8		. τ.	: 7	ָ פֿלָ	3:	1 6		ξ.	44	- 8	3, 57	5.24	න න	8	8	89	33	2.39	. 27	. 62	86	2.83	5	2. 35	. 29	2.36	8	7	8	ge .	23	8.	92	₩.	8	ري وي	88	1, 82	88 8	3
*:	%	<u>~10:</u>	6.	8	€	6.	€.	6	8	<u>\</u>	6	37		. 5	2	5 6	3 3	5 6	8:	. 42	55	6	5	70.	. 22	8	S	↑	Ξ.	6.	.25	53	٤	8	6	8	6.	<u>.</u>	0.	8	6	.0	<u></u> 6.	60.	, 0,	6	1, 47	0.	. 67	.0	12.5	3
쭏	000	103	28	92	10	8	න	<u></u>	F	74	67	5	8	3	4 1	? «	5 6	8	D 6	28	8	2	53	Ξ	\$	42	25	122	47	116	82	47	ဗ္ဗ	44	വ്	₽	8	83	유	23	۲	F	82	<u>8</u>	8	S	88	102	귫	24	4 5	2
3	EGG.	8	=	8	<u> </u>	2	67	37	g	8	8	2	120	1.	<u> </u>	<u></u>	2 2	- ç	2 9	<u>N</u> 8	Q i	92	g	33	58	00	0	8	<u>&</u>	တ္တ က	2	24	2	7,	21	성	4	e.	g	42	00	88	က္သ	~	105	ឆ្ន	æ	8	53	2	ខ្លួន	3
ပ်	mad	88	462	281	391	% %	<u>ლ</u>	23.	233	245	273	681	255	i ç	241	č	3 5	32	5 8	ກເ	8	840	455	4826	8	33	665	4453	334	5423	3	203	ß	486	325	96 23	8	86 84	<u>ლ</u>	249	2	405	278	191	328	8	8	1461	99	321	88	7
8	ĕ	82	88	8	8	66	ដ	8	8	42	87	5	35	1 12	ο ας	ο α	o g	9 (o •	40	o ç	<u>ئ</u>	\$	88 88	53	~	ဓ	222	မ္တ	8	ம	ဓ္တ	ო	77	55	ያ ያ	გ	85	47	თ	Δ	110	67	₹	6	4	52	162	en	Ŗ	<u>7</u> 0	2
88	E C	ω.	∾	各	ლ	<u>ლ</u>	- -	9	œ	ത	00	ις S	නු	200	90	8	3 6	, ,	- 0	0 0	<u>0</u> 9	မ္တ	g	27	20	55	အ	တ	6	စ္	2 2	g	88	S	_	24	25	<u>დ</u>	<u>ნ</u>	=	<u>~</u>	88	చ	9	8	~	179	4	123	æ	912 7.	1
₹	8	 -	 -	۸	প্ল	^	_	α.	Δ	^	-	۸	^	Δ.	Δ.	; <u>\</u>	<u>.</u> .	!	<u>)</u>	<u> </u>	<u>.</u>		.	<u>^</u>	Δ.	<u>^</u>	<u>^</u>	4	Δ	<u>^</u>	Δ	ત	Δ	Λ	4	Δ	^	^	<u>^</u>	<u>^</u>	ന	ď	4	۸	^	Δ	Δ	^	<u>^</u>	Δ	ΔΔ	<u>.</u>
AS.	Ē	Δ,	Φ.	<u>^</u>	Δ	Δ.	Δ.	Δ,	^	ત	4	4	4	<u></u>	=	2	i c	4 <u>5</u>	<u>.</u>	<u>^</u> o	0 +	Δ.	^	2	4	۵	~	ဓမ္မ	<u>^</u>	æ	Δ	7	۸	^	Δ.	Δ,	~	4	<u>,</u>	<u>^</u>	Δ	Δ	۸		^	Α	=	Δ.	7	^	æ [/]	
(2	8	8	88	සු	929	요	620	8	850	310	9	530	890	420	070	0	3.5	3 6	200	3 5	3	0	. 020	. 4 30	2.	. 010	88	હ	910	430	850	. 180	8	220	01	.240	8	8	280	₽.	88	520	0.00	88	290	. 050	8	8	8	1422, 070	}
æ	1																																						٠,					:	Ŀ.	12	_	4	125	1	-	. I
																																																			4769, 190	
																																												:				:	Vis		1 2	
Sample	2	36	35	8	50.00	3 5	3 8	36	3	90,23	8 8	90161	GD 162	8	GD 164	GD 165	20,00	781.0	9,00	3 6	36	3 6	3	50	<u>8</u>	90174 74	8 5 7 5	60176	6.7	8	9	<u>ල</u> හි	<u>8</u>	90182	3	3 5 5 5 5 5	3	92	S0 187	<u>8</u>	<u>න</u> 8	8	<u>8</u>	<u>8</u>	8 83	<u>용</u>	60195	8	20 197	8	85 85 85 85 85 85 85 85 85 85 85 85 85 8	W
ا روز		ត្ត	25	<u> </u>	¥;	ខ្លួ	81	2 5	3	മ	<u>8</u>	161	162	33	164	ເຄີ	188	167	ğ	3 8	7	2;	Ξ:	7	က (4	8.	<u>2</u> 4	176	177	æ (20	8	<u></u>	182	2	20 5	2	20	<u>8</u>	<u>æ</u>	189	8	6	52	<u>8</u>	8	₹ 1	₹.	197	88	9 <u>6</u>	

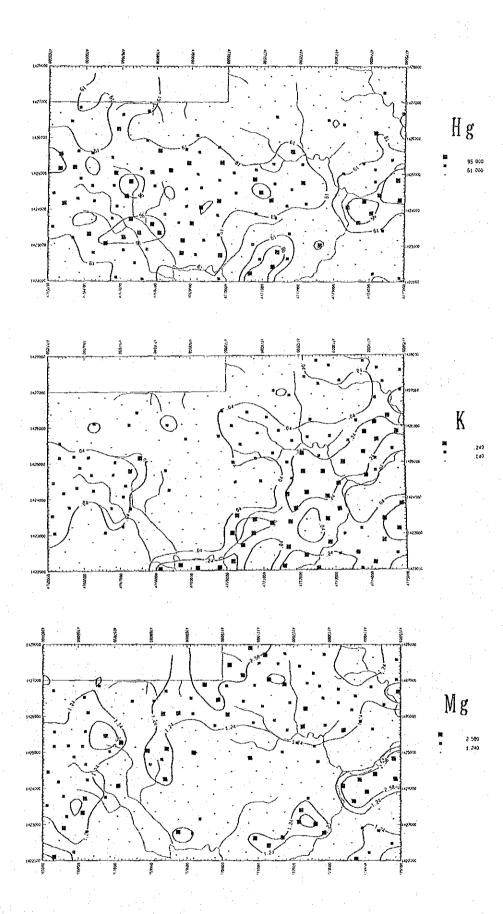
		1
		ᅴ
		(Q)
		- i
		ч
		on!
		ysis
		Ø
		×
		-⊒1
		Anal
		~1
		—i
		ভা
		ા
		-:=1
		i 3
		21
		ᇷ
		- 81
		176
		ଠା
		اير
		ें
		- 4/
		inl
		1

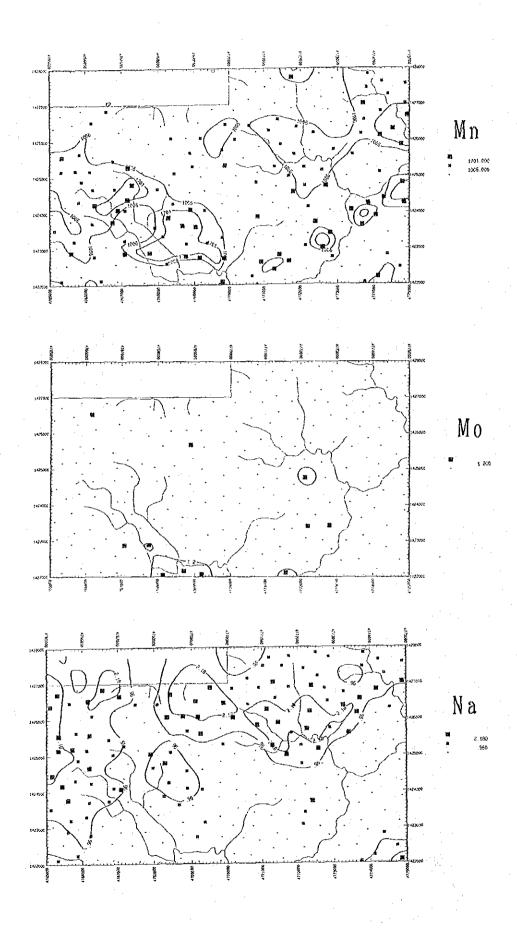
Appendix 32

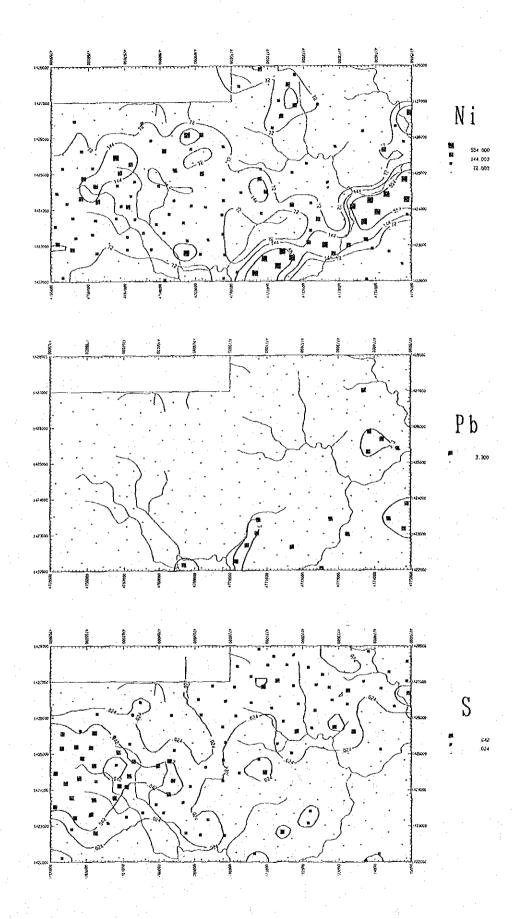
Distribution map of elements in Area D

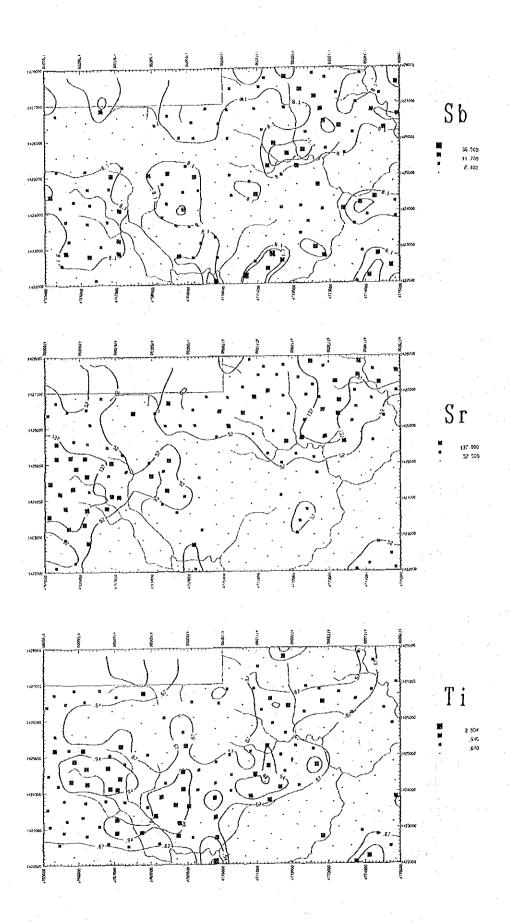


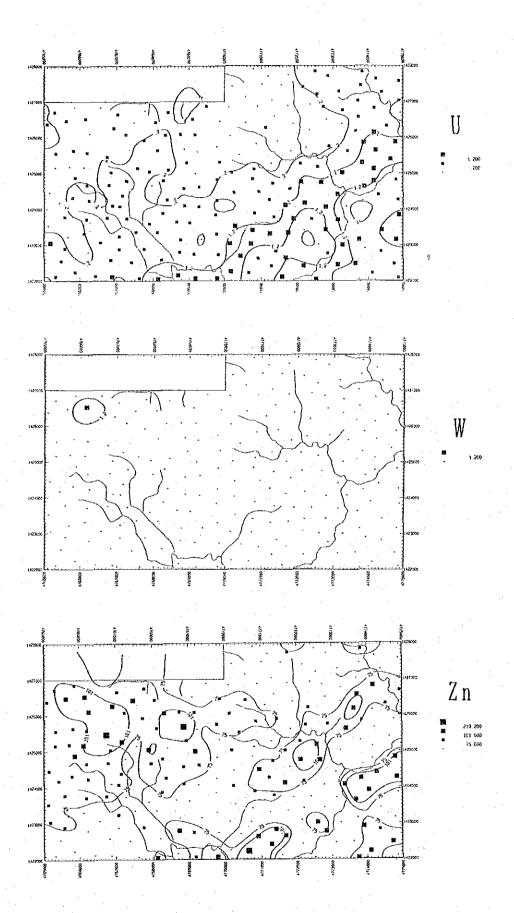












List of soil geochemical samples in Area E

Area: S. Kalumpang Area (Area E)

			<u> 1</u>
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
⊞.* 4	的战争就造成的战争	经执法的出法的执法	光明的 中央 大 大 大 大 大 大 大 大 大 大 大 大 大 大 大 大 大 大
.∓. .3	MHHKKHHHK	FMFFFFMMMM	ZNNTZFZHZN
× 2.	0000000000	OOOOOOOOO	NGGGGGGGG
ဖံ‡ ်	角段段段段段段段段	我我我开我严我我开开	REGERGE
Color	**************************************	7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7	7. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.
Depth (cm)	044 04 04 04 04 04 04 04 04 04 04 04 04	40 40 40 40 40 40 40 40 40 40	04 04 04 04 04 04 04 04 04 04 04 04 04 0
Geol. Unit	7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.	P. Kn P. Kn P. Kn P. Kn P. Kn P. Kn An: An:	P4Km Ani Ani Ani Ani Ani Ani
Rock of Basement	and. boulder	and. boulder and. boulder and. boulder	and. boulder and. boulder andesite andesite and. w/pyrite
1/50,000 Topo. Sheet	S. Tingkayu S. Tingkayu S. Tingkayu S. Tingkayu S. Tingkayu S. Tingkayu S. Tingkayu S. Tingkayu S. Tingkayu	S. Tingkayu S. Tingkayu S. Tingkayu S. Tingkayu S. Tingkayu S. Tingkayu S. Tingkayu S. Tingkayu	S. Tingkayu S. Tingkayu S. Tingkayu S. Tingkayu S. Tingkayu S. Tingkayu S. Tingkayu S. Tingkayu S. Tingkayu
lates E	4774.51 4775.09 4775.45 4775.45 4775.87 4776.32 4776.20	4777.19 4774.70 4775.37 4775.54 4775.19 4775.30 4776.30 4776.25 4776.82	4777.23 4777.23 4775.33 4775.63 4776.15 4776.12 4776.83
Coordinates N	1403.58 1403.13 1403.62 1403.21 1403.48 1403.75 1403.75 1403.75	1403. 29 1402. 73 1402. 81 1402. 49 1402. 09 1402. 88 1402. 67 1402. 28	1402.32 1402.32 1402.28 1401.81 1401.88 1401.33 1401.74 1401.16
 Sample No.	PE001 PE002 PE003 PE004 PE005 PE006 PE008 PE009 PE009	PE011 PE012 PE013 PE014 PE015 PE017 PE018 PE019 PE019	PE021 PE022 PE023 PE024 PE025 PE025 PE027 PE028 PE029 PE030
Ser. No.		20 20 20 20 20 20 20 20 20	30 22 22 22 23 23 23 23 23 23 23 23 23 23

*2Grain size: Sandy (S), Clayey (C) *4Humidity: Dry (D), Wet (W)

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

Area

N

Page

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

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

÷	
(iii	į
(Area	
Area	
Kalumpang	
vi	۱
ea	

Ser. No.	Sample No.	Coordinates N E	nates E	1, Top	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	Ğ. *1	 	. ° €	H. #	Vegitation
61 62	PE061 PE062	1398.68 1398.26	4776.82 4777.15	જજ	Tingkayu Tingkayu	sili. andesite sili. andesite	Anı Anı	40	R.Y. R.Y.	r. A	ပ်ပ	ZZ	B B	Secondary forest Secondary forest
63	PE063 PE064	1398.70 1398.88	4777.30	က က	Fingkayu Fingkayu	agglomerate and. boulder	An: An:	40 30	ж. Ж. Ж.	ഥ∝	ပပ	SS	B= 12=	Secondary forest Secondary forest
 99 	PE065 PE066	1398.25 1398.40	4777.58	જ જ	Tingkayu Tingkayu		An: An:	40	Υ. Υ.Β.	24 PK	ပပ	医压	 S= S=	Secondary forest Secondary forest
63 83	PE067	1398.73	4778.25	is is	Tingkayu Tingkayu	andesite	Anı	40	X X B 8	~ ×	ပပ	≥ ≥		Secondary forest Secondary forest
69	PE069	1398.48	4778.84	ល់ប	ingkayu	1	Anı	30	K K	DC F	Ü	= = =	= 8	25.4
 ≥	72070	1398.46	47.8.15	i	ıngkayu		An:	40	1.5	×	آ د	Ξ	.	secondary rorest
71	PE071	1398.82	4779.26	જે જે	Tingkayu		Anı	30	× × × × × × × × × × × × × × × × × × ×	84 82	ပပ	* *	B B	Secondary forest Secondary forest
· 'Gra	Gravel: Many (M)	Iy (M), Few	1 -	ä	or none (R)	*2Grain size: Sandy	e: Sandy	(S)	Layey (C)	ı				
*3Tor	* Topography:	Steep (S)	, Moderate		Flat (F)	**Humidity: Dry (D)	Dry (D)	, Wet (W	(X					
					-									

-A501-

Analytical results of soil geochemical samples in Area E

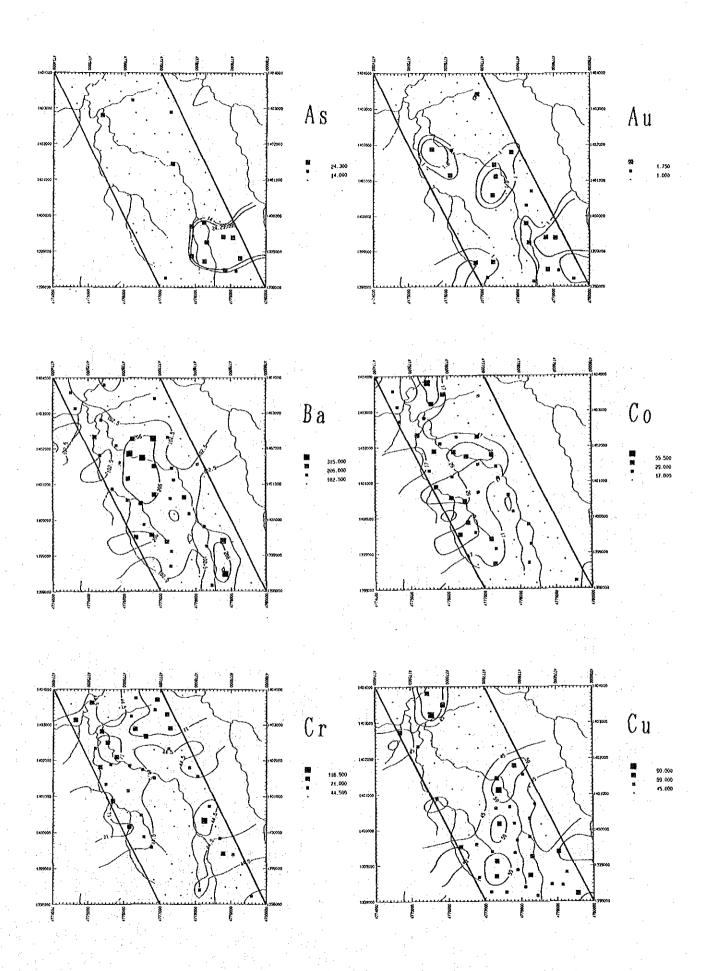
	١
=	ı
=	1
- OI	ł
Ø	l
-3	ı
8	l
⋖	ı
	ı
ical	
ochen	
œ	ļ
ö	
List	

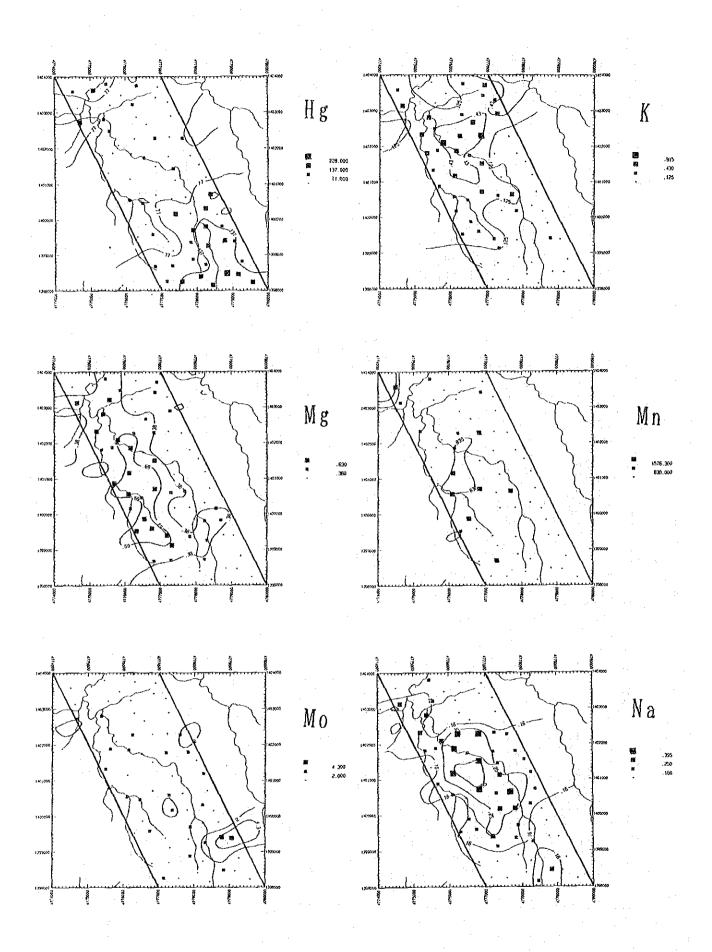
	4 6 4 6 7 6 7
	₹ \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	2 0 0 0 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	1-x 4322-88446-4-42642464248426-4-48888826826888482688588858858
	Panawatanasatanasatanasasasasasasasasasasasas
	9 44 . 44
	8
	© 8 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	A 9 9 9 5 8 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
٠	₹ %28000000000000000000000000000000000000
~	8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
sis (1	₹ 88 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
ochemical Analysis(5% 8000000000000000000000000000000000000
ochemic	7
o† 8	国内の
List	9 8 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
	2 8 2 8 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
ï	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	手留ママママママママママママママママママママママママママママママママママママ
	δ 8
	Con (Fa) Con (Fa)
	7.7. 230 4777. 2
	× 4 4 4 4 4 4 4 4 4
	PEO03 PEO03 PEO03 PEO04 PEO04 PEO05 PEO05 PEO05 PEO05 PEO05 PEO12 PEO12 PEO13 PEO13 PEO13 PEO13 PEO13 PEO36 PEO36 PEO36 PEO36 PEO37 PEO36 PEO37 PEO36 PEO37 PEO47
	- \Rightarrow -

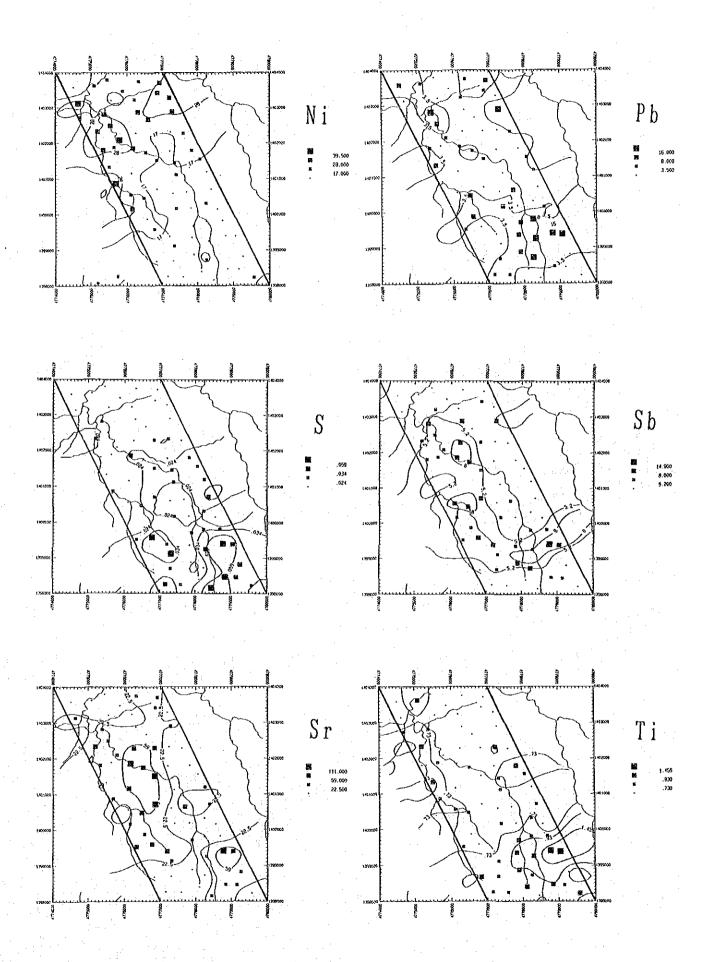
ন	
_	
\nalvsis	
-4	
8	
.E	
8	
ъ	
List	

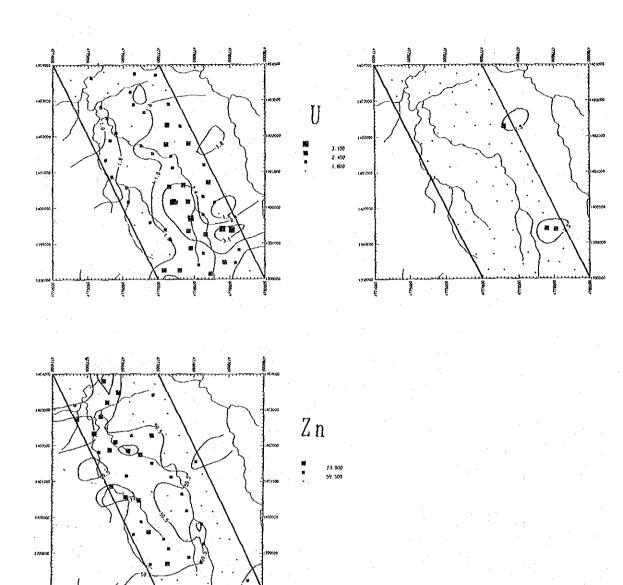
1	. c	ĕ	73	<u>, </u>	ω		ω	თ	S	ξ	ç	1.5	::	ဖွ	တ္	ά	:	ည	œ	<u></u>	ø	സ്റ്റ	S	တ္တ	1
	*	ā	۵	۵	۵	۵	۵	۵	۵	۵	7	က	A	۵	బ	۵	స	B	Ø	Q	<i>(</i>)	13	8)	8	
	⇒	ä	8.	 ∞	 	3,2	2 8	2.5	1.2	9	ζί C	ю Ф		4	 4	2,4	2.4	2.5	00	4	ر م	20	1.8	1.2	
İ	Ţ	ж	17.	ß	8	8	1.06	8	73	1.15	ડ જ	2.40	8	5,	8	8	88	1, 02	9.	69	. 98	8	23	8	
	ŝ	EGG	જુ	82	47	27	8	12	ø	52	58 28 28	8	4	ល	۳-	-	eo	72	00)	g	ጿ	33	47	9	
	ઝ	E	9.6	& O	7,2	က က်	رم در	က က်	ζ O	~	0	14.3	4.4	4,0	တ ဟ	10.6	4.6	۵.	10.2	<u>-</u>	ς Δ	က်	۵	4.2	
	S	ж	.067	.033	190	. 028	. 022	88	.028	.052	. 428	050	. 024	044	. 026	. 022	.031	. 024	.017	<u>8</u>	070	.044	.044	. 033	
:	æ	E C C	۵	۵	۵	57	2	24	۵	243	1253	8	۵	ഗ	ယ	Ξ	ເດ	۵	8	۵	7	٨	ო	۵	
	Νį	ä	21	5	ភូ	=	ຸກ	<u>6</u>	۲	ក	0	ဖ	<u>;</u>	2	Ť.	7	9	7	23	4	23	12	Ξ	17	
	S	><	.24	بن س	. 23	ୡ	23	ហ្គ	. 12	9	Ξ	2	2	5	Ξ	2	27	<u>.</u>	<u>.</u>	. 17	8	2	2	4	
	<u>و</u>	EGG	က	<u>^</u>	-	ო	۸	-	Δ	ო	2	ļ *	۵	N	۵	2		-	-	۵	e	^	4	<u>^</u>	
	Ę	EGG	632	215	ထ	A	۵	182	ß	83	a	A	B	ል	939	A	ය	ß	۵	ል	A	A	32	336	
	ō Y	%	8	26	Z.	23	88	83	99	33	24	80	8	2	မ္တင္	37	0	20	35	37	8	8	က	. 17	
			.37																						
	١.	_	82			•																			
	ĺ	_	55																						
		_	51																						
	0	_	27																						
ı	0																								
	١.		250																						
	₹	odd	Δ	₽	4	4	<u>^</u>	24	4	7	က	8	2	-	cv	4	4	Δ	^	-	c۷	.	_		
	Ş	E C	-	۵	۸	4	ဖ	B	~	88	6682	526	۵	ī	<u>^</u>	35	^	۵	512	_	4	7	က	.	
	(<u>F</u>	coord	1399, 590	88.88	38. 120	36, 710	39,360	39,810	39,830	39, 260	39, 410	39,390	860	260	28, 700	880	38, 250	38.400	38. 730	. <u> </u>	38. 480 38. 480	38, 460	38, 820	38, 230	
	ų,																								
	<u>s</u>	×-00	4776. 760	4777, 19	4777, 32	4777.89	4777.83	4778.24	4778,69	4778.31	4778.78	4779.05	4776,82	4777. 18	4777.30	4777.89	4777.58	4778.11	4778.2	4778, 45	4778.84	4779, 15	4779.26	4779, 5	
	e e		ເລ	52	53	Z,	22	20	57	83	- 66	8	61	. 25	83	64	65	99	67	88	93	5	-	72	
	Samo	2	1 PE051	<u>ଞ୍ଚ</u>								0 PE060													
	<u>.</u>	٤	ഗ	ìñ	വ്	ណ៍	ດີ	ഹ്	Ωi	ĭΧ	ຜ່	ල	ω	ගි	Ó	മ	Ø	ത്	တ	യ	Ö	1	r~) A {

Distribution map of elements in Area E









List of soil geochemical samples in Area F

Page 1	Vegitation	Bush Bush Primary forest Primary forest Primary forest Primary forest Primary forest Primary forest Primary forest	Primary forest Primary forest Oil palm plant. Cocao plantation Cocoa plantation Primary forest Primary forest Primary forest Primary forest	Primary forest Primary forest Primary forest Primary forest Primary forest Primary forest Cocoa plantation Oil palm plant. Cocoa plantation Cocoa plantation
	H.	的的现在分词人	的超级超级超级超级	经验的的证据的
		ZNZZZNZZZZ	ZZZOOZZOOZ	LIKKKKKKKK
	% *Ω*	0000000000	0000000000	0000000000
	ය ් *	고 다 다 다 다 다 다 다 다 다 다 다 다 다	及及及下及产业的产	****
	Color	gagagagaga giyyyyyyy	8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.	医克克克氏征 医角膜角膜
	Depth (cm)	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	50 64 60 60 60 60 60 60 60 60 60 60 60 60 60	999999999
:	Geol. Unit	Ani Ani Ani Ani Ani Ani	Anı Anı Baz Anı Anı Anı Anı Anı Anı	An. An. An. An. An. Bas Bas Bas
	Rock of Basement	sili. andesite alt. andesite alt. andesite alt. andesite argi. andesite	sili. andesite andesite —— argi. andesite	and. boulder
	1/50,000 Topo. Sheet	Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North	Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North	Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North
ea F)	nates E	4773.43 4775.32 4775.70 4776.27 4776.27 4777.67 4777.30	4778.30 4772.75 4772.75 4773.67 4775.23 4775.48 4775.30 4775.88	4776.12 4777.75 4777.75 4778.15 4779.00 4771.90 4772.91 4772.70
11 Area (Area	Coordin N	1388.15 1388.77 1388.73 1388.10 1388.10 1388.26 1388.85 1388.85 1388.85	1388.88 1388.26 1387.42 1387.52 1387.62 1387.62 1387.67 1387.67	1387.09 1387.75 1387.43 1387.15 1387.32 1386.30 1386.32 1386.32
Tawau Hill	Sample No.	PF001 PF002 PF003 PF004 PF005 PF006 PF008 PF009 PF009	PF011 PF011 PF013 PF014 PF015 PF016 PF017 PF019 PF019	PF021 PF022 PF023 PF024 PF025 PF026 PF027 PF029 PF029
rea:	Ser. No.	4446-00D	11222425 2000 2000 2000 2000 2000 2000 200	322223223232323232332333333333333333333

*1Gravel: 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)

邱
(Area
Area
Hi11
Tawan
ಥ

Page 2

Coordinates 1/50,000 Rock of Geol. Dult North 1386.50 4774.23 Tawau North 1386.49 4775.81 Tawau North 1386.49 4775.81 Tawau North 1386.49 4775.81 Tawau North 1386.64 4776.92 Tawau North 1386.65 4776.92 Tawau North 1386.66 4776.92 Tawau North 1386.51 4777.40 Tawau North 1386.52 4777.40 Tawau North 1386.53 Tawau North 1386.54 4777.65 Tawau North 1386.55 Tawau North 1386.55 Tawau North 1386.56 Tawau North 1386.57 4777.67 Tawau North 1386.58 4777.67 Tawau North 1386.58 4777.67 Tawau North 1385.77 4777.78 Tawau North 1385.77 4777.78 Tawau North 1385.77 4777.78 Tawau North 1385.77 4777.78 Tawau North 1385.77 4777.78 Tawau North 1385.77 4777.78 Tawau North 1385.77 4777.78 Tawau North 1385.79 4777.72 Tawau North 1385.79 4777.72 Tawau North 1385.79 4777.72 Tawau North 1385.79 4777.72 Tawau North 1385.79 4777.72 Tawau North 1385.79 4777.72 Tawau North 1385.79 4777.72 Tawau North 1385.79 4777.72 Tawau North 1385.79 4777.72 Tawau North 1385.79 4777.72 Tawau North 1385.79 4777.72 Tawau North 1385.79 4777.72 Tawau North 1385.79 4777.72 Tawau North 1385.79 4777.78 Tawau North 1385.79 4777.78 Tawau North 1385.79 4777.78 Tawau North 1385.79 4777.78 Tawau North 1385.79 4777.78 Tawau North 1385.79 4777.78 Tawau North 1385.79 4777.78 Tawau North 1385.79 4777.78 Tawau North 1385.79 4777.78 Tawau North 1385.79 4777.78 Tawau North 1385.79 4777.78 Tawau North 1385.79 4777.78 Tawau North 1385.79 4777.79 Tawau North 1385.79 4777.70 Tawau North 1385.79 4777.70 Tawau North 1385.79 4777.70 Tawau North 1385.79 4777.70 Tawau North 1385.79 4777.70 Tawau North 1385.79 4777.70 Tawau North 1385.79 4777.70 Tawau North 1385.79 4777.70 Tawau North 1385.79 4777.70 Tawau North 1385.79 4777.70 Tawau North 1385.70 4777.70 Tawau North 1385.70 4777.70 Tawau North 1385.70 4777.70 Tawau North 1385.70 4777.70 Tawau North 1385.70 4777.70 Tawau North 1385.70 4777.70 Tawau North 1385.70 4777.70 Tawau North 1385.70 4777.70 Tawau North 1385.70 4777.70 Tawau North 1385.70 4777.70 Tawau North 1385.70 4777.70 Tawau North 1385.70 4777.70 Tawau North 1385.70 4777.70		· · · · · · · · · · · · · · · · · · ·		
Sample Coordinates 1/50,000 Rock of Geol. Depth Color G. S. T.	Vegitation	Cocoa plantation Cocoa plantation Primary forest Primary forest Primary forest Primary forest Primary forest Primary forest Primary forest	Primary forest Primary forest Primary forest Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Primary forest Primary forest Primary forest Primary forest Primary forest Primary forest Primary forest Primary forest Primary forest Primary forest Primary forest Primary forest Primary forest Primary forest Cocoa plantation Cocoa plantation Cocoa plantation	
Sample Coordinates 1/50,000 Rock of Geol. Depth Color G. S. T. T. T. T. T. T. T. T. T. T. T. T. T.	⊞.*	******	0048488888888008888	
Sample Coordinates 1/50,000 Rock of Geol. Depth Color Geol.	. ₩	ZZZZULOZZZ	ZUZZZZKUJ KJJKKKEKK	
Sample Coordinates 1/50,000 Rock of Geol. Depth Color	* N	0000000000	NOGOGGGG GGGGGGGG	
Sample Coordinates 1/50,000 Rock of Geol. Depth Color	9*	<u><u> </u></u>		:
Sample Coordinates 1/50,000 Rock of Geol. Depth Pr031 1386.60 4774.23 Tawau North Pr032 1386.57 4775.09 Tawau North Pr033 1386.44 4775.09 Tawau North Pr034 1386.74 4775.09 Tawau North Pr035 1386.48 4775.50 Tawau North Pr036 1386.44 4775.50 Tawau North Pr036 1386.76 4776.50 Tawau North Pr036 1386.54 4776.55 Tawau North Pr036 1386.55 4776.56 Tawau North Pr036 1386.56 4778.50 Tawau North Pr036 1386.51 4777.40 Tawau North Pr047 1386.51 4777.40 Tawau North Pr047 1386.50 4778.50 Tawau North Sili. andesite An. 40 Pr048 1386.55 Tawau North Sili. andesite An. 40 Pr048 1386.55 Tawau North Sili. andesite An. 40 Pr048 1386.77 4773.53 Tawau North Sili. andesite An. 40 Pr048 1385.77 4773.53 Tawau North Pr048 1385.77 4773.53 Tawau North Pr059 1385.77 4773.53 Tawau North Pr050 1385.77 4777.25 Tawau North Pr050 1385.77 4777.27 4777.27 4777.27 4777.27 4777.27 4777.27 4777.27 47	Color			
Sample Coordinates 1/50,000 Rock of Basement	Depth (cm)	04444444444	044 0044 0044 0044 0044 0044 0044 0044	(5),
Sample Coordinates 1/50,000 Rock of Basement	Geol. Unit	Anı Anı Anı Anı Anı Anı	Anı Anı Anı Anı Anı Anı Anı Anı Anı Anı	Dry (D)
Sample Coordinates 1/50, No.	Rock of Basement		boulder andesi andesi andesi ite	
. Sample Coording No. No. No. No. No. No. No. No. No. No.	1/50,000 Topo. Sheet		Tawau Tawau	or none (M), Fla
. Sample No. No. No. No. No. No. No. No. No. No.	ates	774.2 775.0 775.0 775.3 776.9 776.9		
. Sample No. 1 No. 1 No. 1 No. 1 No. 2 No. 2 No. 2 No. 3 No. 3 No. 3 No. 3 No. 4 No. 4 No. 4 No. 4 No. 4 No. 4 No. 4 No. 4 No. 4 No. 4 No. 4 No. 4 No. 4 No. 4 No. 4 No. 4 No. 4 No. 4 No. 5 No.	Coordir	386.23 386.23 386.23 386.24 386.23 386.24 386.25	11111111111111111111111111111111111111	(M), Steep
88 88 88 88 88 88 88 88 88 88 88 88 88	Sample No.	PF031 PF032 PF033 PF0334 PF035 PF035 PF036 PF038 PF039 PF039	PF041 PF041 PF0443 PF0445 PF0445 PF045 PF052 PF053 PF055 PF056 PF056 PF056 PF056 PF056 PF056 PF056	Topography:
	Ser.	838378888 838378888 100	14444444444444 1222244556 122224556 1222246 122224246 12222456 12222456 12222456 1222246 12222456 1222246 12222466 1222246 1222246 1222246 1222246 1222246 1222246 1222246 122224246 12222446 1222246 1222246 1222246 1222246 1222246 1222246 1222246 1222246 1222246 122224246 122224246	Tor.

-A516-

		٠	
		_	
	í	1	
•		ď	,
		3	١
		ζ	1
		£	
		COLD COLD	
		•	
	7	_	
			,
		Y	١
		c	t
		7	
		2	
	4	-	L
	ż	_	
	,	٠	
	1	,	
	,	-	
	,	_	
		_	
	1		
	* * * * * * * * * * * * * * * * * * * *	2::	
		1	
	***	1	
		1	
	****	1	
	* * * * * * * * * * * * * * * * * * * *	0.000	
	* * * * * * * * * * * * * * * * * * * *	0.000	
	1 1 1	T CEC . C	

Page 3

2			
Vegitation	Cocoa plantation Cocoa plantation Cocoa plantation Rubber plant. Cocoa plantation Cocoa plantation Cocoa plantation Bush	Primary forest Primary forest Rubber plant. Oil palm plant. Rubber plant. Rubber plant. Rubber plant. Rubber plant. Rubber plant. Rubber plant. Oil palm plant.	Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation
H;*		<u></u>	的战争的战争的战争
* *	NUMERIZENS	HEREREES	ZZZZZZZZ
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	NONONODOO	COCCONNNCC	0000000000
٠. <u>*</u>	FREERERE	***********	MATERIAM
Color	66666666666666666666666666666666666666	Y.Y. B.Y.Y.B.B.Y.Y.B.B.Y.Y.B.B.B.Y.Y.B.B.B.B	ன் க்கிக்கிக்கி கேக்கிக்கிக்கிக்கிக்கிக்கிக்கிக்கிக்கிக்
Depth (cm)	40 40 40 40 40 40 40 40	044 008 0094 0097 0097 0097 0097 0097 0097 0097	0004444444
Geol. Unit	Bas Bas Bas Bas Bas Bas An: An:	An 1 An 1 Da 2 Da 2 Da 2 Da 2 Ba 2 Ba 2	Bazza Bazza
Rock of Basement		andesite	
1/50,000 Topo. Sheet	Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North	Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North	Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North
nates E	4770.56 4770.80 4770.28 4772.40 4772.40 4775.27 4775.75	4776.17 4776.54 4768.99 4768.54 4769.27 4769.28 4770.42 4770.29	4770.77 4771.11 4771.11 4771.21 4772.42 4775.58 4775.13
Coordinates N E	1384.82 1384.49 1384.43 1384.43 1384.43 1384.47 1384.78 1384.74 1384.74	1384.33 1384.84 1383.68 1383.28 1383.77 1383.28 1383.40 1383.40 1383.40	1383. 63 1383. 12 1383. 12 1383. 14 1383. 17 1383. 35 1383. 35 1383. 35 1383. 35 1383. 65
Sample No.	PF061 PF063 PF065 PF065 PF065 PF065 PF068 PF068 PF068	PF071 PF072 PF074 PF074 PF075 PF076 PF077 PF079 PF079	PF081 PF082 PF083 PF085 PF085 PF085 PF086 PF089 PF089
Ser. No.	662 665 70 70	71 72 74 74 79 80 80	8888 888 888 888 888 888 888 888 888 8

*'Gravel: Many (M), Few (F), Rare or none (R)

*'Topography: Steep (S), Moderate (M), Flat (F)

*'Humidity:

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

Page 4	Vegitation	Oil palm plant. Oil palm plant. Oil palm plant. Rubber plant. Rubber plant. Oil palm plant. Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation	Oil palm plant. Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Rubber plant. Rubber plant.	Oil palm plant. Rubber plant. Oil palm plant. Oil palm plant. Oil palm plant. Oil palm plant. Oil palm plant. Oil palm plant. Cocoa plantation	Cocoa plantation Cocoa plantation
	# #		口口的故障的故障的		88
		ZZZZZZZZZ	ZUZUZUZZZ	ZHZZZZZHFF	[K4 EK4
:	.s.	NOWWOOWNOO	NOUUUUUUN	NONNNNNNN	೮೮
	ი. გ.*	***********	医肉质医食管管皮质	<i>医 </i>	<u>~ ~ ~ </u>
	Color	ങ്ങ് ക് ക്കാര്ക്കുന്ന്	ன் ன்ன்ன்ன் முறுவன்வள்ள்ள்		D.B. D.B. Clayey (C)
	Depth (cm)	044 08 08 08 08 08 08 08 08 08 08	044400 04440 0440 0440 0440 0440	0 0 4 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	40 40 (S),
	Geol. Unit	Daz Daz Daz Daz Daz Daz Daz	D D D D D D D D D D D D D D D D D D D	Das Das Das Das Das Das Bas	Bas Bas size: Sandy ty: Dry (D),
	Rock of Basement				Ba Ba.** Grain size: S.** Humidity: Dry
	1/50,000 Topo. Sheet	Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North	Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North	Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North	Tawau North Tawau North or none (R) (M), Flat (F)
(Area F)	nates E	4768.20 4768.87 4768.30 4768.16 4769.16 4769.48 4770.15 4770.07	4770.50 4771.27 4771.21 4771.89 4772.62 4773.59 4774.31 4768.40	4768.28 4769.35 4769.89 4769.89 4769.86 4770.28 4770.82 4771.36	4771.65 4772.38 (F), Rare, Moderate
11 Area	Coordinat N	1382.73 1382.70 1382.20 1382.90 1382.88 1382.40 1382.74 1382.74	1382.17 1382.75 1382.86 1382.27 1382.24 1382.57 1382.57 1382.55 1382.55	1381.15 1381.17 1381.93 1381.12 1381.14 1381.14 1381.25 1381.25 1381.59	1381.38 1381.48 y (M), Few Steep (S),
Tawau Hi	Sample No.	PF091 PF092 PF093 PF094 PF095 PF095 PF096 PF098 PF099	PF101 PF102 PF103 PF104 PF105 PF106 PF107 PF109 PF109	PF111 PF111 PF113 PF114 PF115 PF116 PF117 PF118 PF118	21 PF121 22 PF122 Gravel: Many Topography:
Area:	Ser. No.	100 90 90 90 90 90 90 90 90 90 90 90 90 9	101 102 103 104 105 105 108 1109	111 112 113 114 115 116 117 119	121 122 *'Gre

Analytical results of soil geochemical samples in Area F

	ភ និ	9	ត្ត	8	2) [2	8	53	10 E	5 &	ନ୍ଥ	117	က် ပြ	83	18	S	8	8 F	ω -	8	စ္က င္	2 B	88 8	<u>.</u> 6	8	88	38	35	F 8	88	8	25	8 K	3	ខ្លួ	86	8	25 25 26 27 28 27 28 27 28 27 28 27 28 27 27 27 27 27 27 27 27 27 27 27 27 27	8	8
	y d	۵۵	۵۵	۵۵	88	7=	۵	8	۵۵	۵	۵	۵۵	n k	۵۵	۵	ţ	۸.	۵۵	۵	Α.	۵۵	۵٤	۵۵	۵۰	۵.	۵۵	(m)	۵ ۶	A	٨	۵ ۵	۵۵	۵	۵۵	۵۵	۵	88	Δ.	١
	⊃ 8	200	ედ ქ⊷"	2.	o c	, 4, , 5,	2.2	တ လ က က	2 2	*.	∞:	∞ <) (30	8	25	0 C	, ci	3.2	9 6 7.0	9. 4 9. 4	φ. 	0 00	00	بائب بائب		2.6	0.5	6	8	60 4 64 6	4 4 N O	2.0	∞ o	o co ', '-	**		4 6	7
	i= %	1. 73 8. 8	88	8.	8	88	8	8 8	. 22	8	83	8 6	76	36	1.07	ያ ያ	86	: ă	8	8 9	7.	88	9 9	 8	 4 &	2 2	 20	197	 18	21	5.5	 - 8	£.	2:	2.74	8	 2 &	88	1, 6
	ا ان ق	21	2 Z	121) (2)	222	<u>8</u>	527	<u>)</u> თ	24	ιΩ	ည	, 0 7 C		7	8	24	52	8	α (N Ø	ഥ (: o co	4	ω α	٠ ا	221	87	20 10 10	8	0,0	ი ო	8	ល [<u>-</u> 7	~;	57 1-	۶ ۶	70
	3 g	ري در در	એ ન્-	2.0	ν, c 4 ι	22.3	12.	າ ເກີນ	٥	8	<u>က</u> ထ	ر ا ما	10	- L-	ω ω	ر در در	~ c		2.1	. c	o	5.5	5 ℃ 4 €	5	რ ი ი	0 4 0 4	55.7	တ (၁)) 	- 5	~ c	0 4 2 0	7.	رن د ر	သ (0 () ()	0	2°~	- 0 - 0) 5
	ω %	021		68	25 75	135	86	က စ ရ	8	.038	55	025	2 0	88	. 027	221	131	. 243	018	922	25	254	052	041	. 64.0 64.1	0 4	. 056	105	8	025	220		043	.023	057	25	10 10 10 10 10 10 10 10 10 10 10 10 10 1	5 5 5 6 7	}
i	£ 8	ထင	വർ	=	თ დ	2 6 8	۵	8 6	۵۵	ო	۵	<u>-</u> 6	1 6	1-	۵	234	٥٤	۵٫	۵۰	* * *	۸	۵.	۵۵	۵	۵,	۵۵	77	4 6	۵۵	۵۵	Q c	v (v	۵	Δ.	۵۵	۵۵	۵۵	۵.	,
:	:1 6 2 6	57	2 0	О	w ç	15	25	ល កំ	ာ့ တ	23	95 45	24	<u>υ</u> π	. w	<u>e</u>	<u></u>	- u	<u> </u>	= ;	<u>- c</u>	5 64	5 6	3 8	87	æμ	2 2	Δ.	<u> - </u>	4	<u>4</u> (<u>N</u> 4	0 4	20	S 6	1 5	88	38	<u>8</u>	2
 • • •	2 %	98	36	.07	<u>ာ</u> ဗ	38	2 !		26	. 12	2	- c		27	8	8	= =	<u></u>	Ę	و	20	0.0	50.	2	8.5	58	6	2.2	88	7 8	3 8	56	.07	0.0	88	8	= 8	8:	-
٠,	2 8	- 4	<u>^</u> თ		4 ¢	10	က <u>'</u>	4 -	- ო	۳.	ம	cu f	^ ^	o co		0	છ લ)	8	Δ.	10	۷ ۲	3 (0)	~	,	_ ^		(O) (**	· ~	~	N 4	<u>/</u> ~	က ်	m f	^ ~	N -	<u>^</u> _	400	>
]]	₹ å	159	ē 🗞	۵.	∂	ል	<u>۵</u> ،	۵ ک	ş &	۵	ል	1056	20	1840	A	۵۰	ል ል	A A	۵۰	34	۵	& 4	A (A	۵	A 4	A	۵		A	& &	A g	3 W	۵	۵ <u>و</u>	2 A	<u>ه</u>	3129 3129	25 120 120 120 120 120 120 120 120 120 120	3
Geochemical Analysis(₽ %	33	22	<u></u>	£ =	. 8	8	8.2	S	2	.04	ώ, Έ	2 8	46	7	<u></u>	815	8	9	8	-6	88	38	8	6.6	2 60	8	8 8	35	88		<u></u>	0.	<u>c</u>	. 7 7	88	- 2	88	3
mical /	×%	8:	2 22	8.8	8,5	8	8	5.0	20	9.	.04	<u>ن</u> و		3.2	05	7	05	. s	88	8.5	8	88	38	8	ġ.8	3.5	<u>^</u>	4.5	8	8	58	38	<u>.</u>	83	28	5	88	ខេត	3
Geoch	P 6	8 8	3 <u>c</u>	은 2	8 2	44.	319	ည် ကို	3 <u>8</u>	146	205	8 6	4 5	101	8	217	, 2 2 3 3 3 3	109		25	17.	202 703	<u>8</u> 8	215	289	, 8 6	735	197	32	88	<u>4</u> 9	<u>6</u>	208 208	<u>용</u>	- 60	74	385 385 385 385 385 385 385 385 385 385	382	3
Listo	3 8	88	38	8	ي د و	28	45	233	5 5	\$	22	31	7	- 65 121 121 121 121 121 121 121 121 121 12	9	7	88	3 8	%	ខ្លួន	9.5	48	2 2	යි	2	1 4	23	ស្ល ៩	ဥ	2	5 6 5 6	4	8	ខ្លេន	y 4	3 2	ន្តដ	8 8	5
	ပ် ရှိ	131	Σ ∞	<u>-</u>	- ¢	88	8	22.4	ဥ္က ဇ္တ	47	200	3,	<u>.</u> 8	3 %	쫎		8.6	- 8 - 8	22	<u> </u>	35 35	241	238 228	222	218	3 K	7	7,0	17	27	2.7	- 8	8	8;	2 6 2 8	219	2365 261 261 261 261 261 261 261 261 261 261	88	õ
	8 8	25	₉ ^	લ	N -	, 4	<u>2</u>	۸ د	၃ ဟ	ဖ	ഹ	မ္တ	25.	- 6	ស្ន	တ	4 (<u> 2</u>	on ·	<u>ब</u> ट्	<u>2</u> 07	ထမ္	<u>.</u>	ഗ	~ /	<u> </u>	Δ	22	<u>1</u> ∆	27	ഗ ദ	n co	-	<u></u>	<u>ი</u> თ	တန္	8 B	884	2
	8 8 8 8	110	<u> </u>	208	- 55.	174		150	34	සූ	56	174	322	305	57	333	727	3 2 2 2	83	<u>د</u> و	88	33	24	27	- 2	ō 8	8	788 104 104	28	F	တ္က မ	82	2	ر ا	25	12	ء ج	8	71
	<u>\$</u>	<u>^</u> 4	<u>√</u> ∾	-	^ 	ı 	ဖ	۸ ۲		***	Δ	<u>^</u> .	<u>^</u> _	7 7	<u>^</u>	.	<u>^</u> _	\ Δ	Δ,	<u>^</u>	<u>\</u>	Δ.	<u>^</u>	Δ	<u>^</u> 4	۸ ۵	N.	Δ.4	ν.Δ	Δ.	 c	, <u>^</u>	-	^ .	^ ^	Δ.	ΔΔ	Δ.	-
	S E	۵,	o (o	5		312	8	<u>8</u>	28 +	⋖	^	Δ.	<u>٠</u> ج	۸,	۸	597		0 ហ	·ω	60 1	<u>- 65</u>	<u> </u>	<u>^</u>	8	Δ.	۸ ۵	370	ي ن رو	ე <u>დ</u>	<u>.</u>	<u>^</u> 4	<u>^ ^</u>	<u></u>	<u>.</u> ≙.	o a	,∆,	82	Δ.	<u>\</u>
+ 1 + 1 + 1	E o	<u>명</u>	2 28	8	38	88	820	85	288	260	420	520	35	200	88	670	620 620	200	430	85	320	- - - - - - - - - - - - - - - - - - -	38	370	000	3.5	45.	490 55	280 280 280	88	150	35	940	099	220 320	န္တန္	<u>8</u> ⊱	88	2
	ation () Y-x	1388	88	1388	9 8 8 8	88	1388	200	88	1388.	1387.	88.	38	8 8	1387.	1387	1387.	88	1387.	387	88	88	88	386	386	8 8	1386	286	88	386	986	88	1386	388	88 8	<u>88</u>	- 88.	888	8
																																						4774, 250	
1:		4	1 4	4	4 4	4	4	4 4	1 4	4	44	~ ()*	4	J 41	. 4	4	4.4	14	4	ব	14	4.	4	4	4 4	4	4	44	. 4	4	4,	<i>ব</i> ব	4	4	44	4	44		4
1	Samo le No	PF001	PF002	PF004	P1005	PF007	PF008	PF009	PF012	PF012	PF013	PF014	25	25.5	PF018	PF019	PF020	PF022	PF023	PF024	PF026	PF027	202	PF030	PF031	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	PF034	PF035	PF037	PF038	PF039	PF040	PF042	PF043	PF044	PF046	PF047	PF049	1 20 20 20 20 20 20 20 20 20 20 20 20 20
	<u></u> 9	, (N W	♥!	ດ ແ) ~	∞.	თ <u>ნ</u>	2	2	<u>છ</u>	4	ည (2 0	œ	ត្ថា	ឧះ	3.2	(왕 -	X 5	នុខ 21	- 27	8 8	8	: ::	3 8	88	မ္တ	86	8	g :	9 4	4	₽ ₽	4 n	} 4	47	\$ Q ;	3
				•																																		:	,

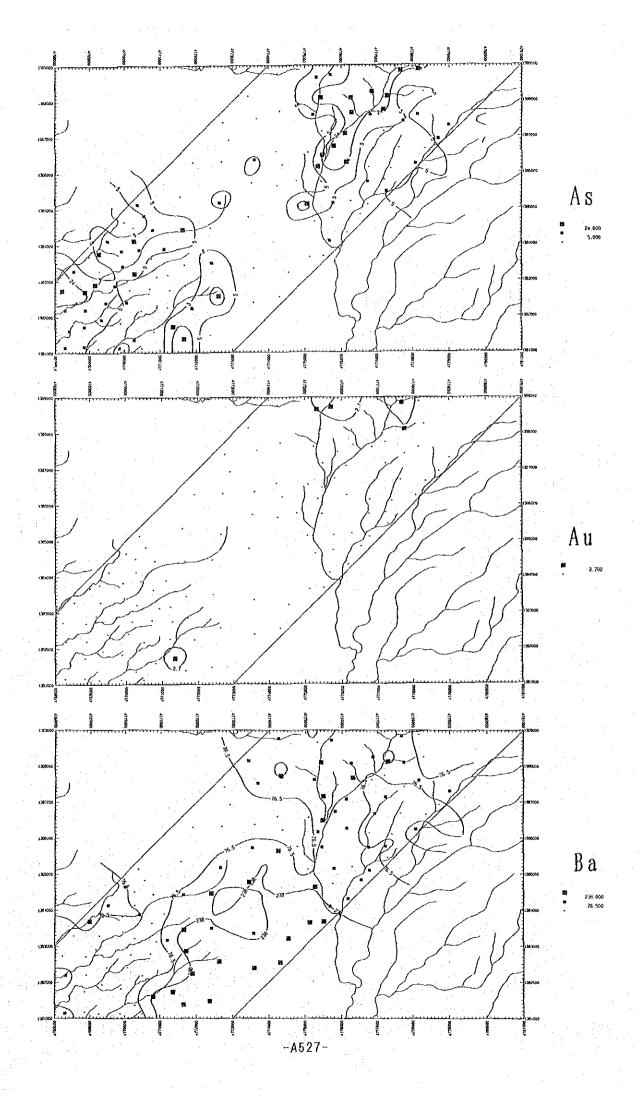
List of Geochemical Analysis (2)

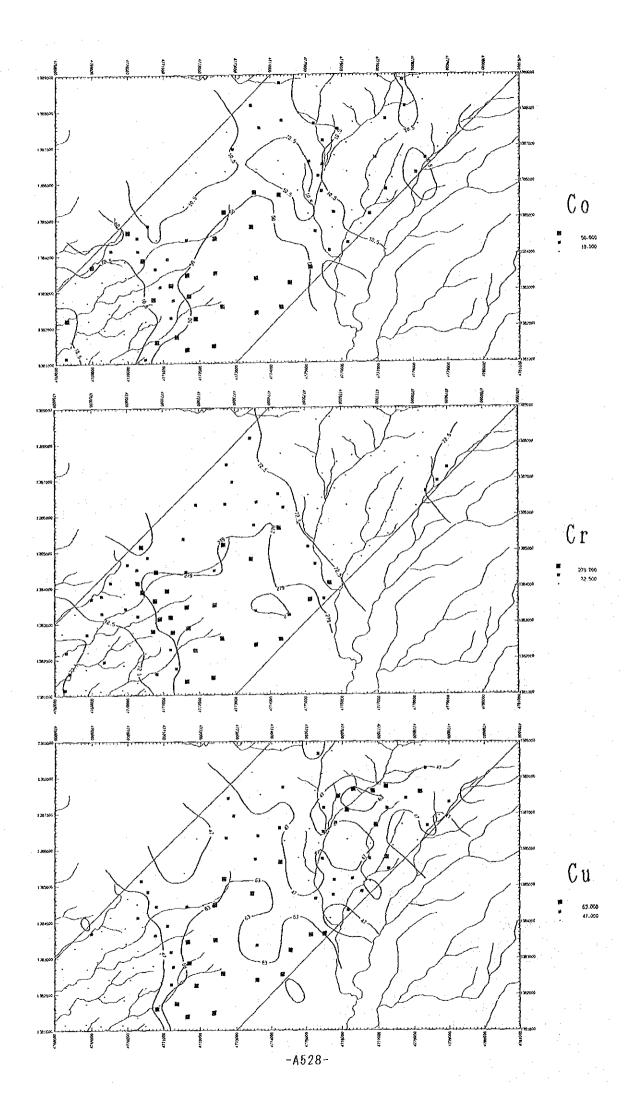
ļ	5 8		3	႙	·	3	5	46	77	ģ	3 6	9 9	2	88	6	116	120	8	5	3 5	747	8	പ്പ	8	i K	3 <	};	2	3 :	ဗ္ဗ	4	37	&	8	45	5	22	133	4	127	<u>8</u>	23	172	8	8	4	ភ	8	9	g	42	88	45	8	8	
	3 .	E d	۵	۵	۵	۵	۵	۵	٨	۸ ۵	8	S a	۵	۵	۵	۵	۵	۸.	i é	۱ د	۸.	۵	ო	٨	۸۱	٤ 4	36	٨	۵.	۵	۵	۵	۵	۵	က	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	Ø	۵	۵	٨	۵	۵	۵	۵	۵	
	D	E C	2; 4	က က	~: 4	(C)	3.0	2 8	9) c) (7.	9	œ.	.	4	OC.	۷ 	9	p •	4	ω	2.0	0.0	α i -		70	x)	დ დ	, 0	5.6	9. O	2.4	4.	က တ	9	œ	-: 4	0		1.2	∞ —	ω 	9	4	က်	(c)	ල්	3.2	3.2	3.2	છ	3.2	9.	2.4	
	ĭ	æ	ģ	 83	٠ ا	98	5	င္ပ	8	3 8	. 6	20.5	1.41	2.07	88	6	26	3	38	31	5	. 45	8	55	} -	- L	300	19:	26	õ	88	1. 17	1.18	2. 77	. 25	2.01	8	1, 97	9	1. 74	-8	1.78	1. 72	8	73	. 25	C.	33	105	1 14	6		1.02	2.27	88	
	Sr	١																																												+ "									- 1	
	B	E G G	 	9.	හ ෆ්	٨	4	٨	יני ני) a	,	4		5.2	0	12.7	iσ	- a	0 0)))	2.3	<u>0</u>	٩	σ	1 t	~	× ×	14.	4		2 3	2.3	20		8	14.0	2.2	9	7	12.9	-	۵	7	ហ	6.7	2.2	7	00 00	C)	5	တ	2.6	8.	10, 1	7.4	
•			٠,	٦,	٠.,		•	• -		٠.	•	•	•	•			٠	•	•	٠	٠	•	•	•	٠	٠	٠	•	٠	٠	٠	٠	٠	٠	٠	•	•	•	•	•		•				•	•					٠.	• •	. 048	. 1	
	æ	E C	¥	۵	۵	٨	-1	۵.	1	- 8	0 6	۸.	۵	۵	۵	۵	8	4 6	S d	٥.	۵	۵	۵	8	1 6	١ (٥.	۵	۵	ဖ	ω	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵	۵۰	<u> </u>	٨	'n	۵	4	۵	۵	۵	۵	۵	
	Z	шdd	20	3	7	<u>"</u>	<u> </u>	2 ⊆	2 =	ŧ º	0 9	ဗ္ဗ	8	102	88) (5 5	2 4	1 6	20	201	55	22	0 0	3 -	<u> </u>	7	130	7	7	14	4	4	167	<u>∞</u>	138	112	121	203	179	197	88	171	207	164	4		8	2	-	, LC	<u>છ</u>	ထ	128	3	
	2	%	60.	-	C	i Ç		٠ د لا	3 2	2 \$	2	2	₽.	28	20	<u>.</u>	5 K	3 5	9	= !	5	=	-	-	- 4	2	4	=	30.12	٥.	8	7	8	=	60	8	. 07	.07	9		g	Ξ	8	2	. C	20	8	90	0.	80	9	8	Ξ	4	8	
	ş	u G	7	ന	C	Ó	1 C	10	1 -	- •	,	Δ.	N	8	Δ.	٠,	t o	, £	<u>\</u> .	 ,	ტ	N	æ	· (r	, <i>!</i>	Δ.	4	~	0	~	8	(C)	Δ	4	ঘ	8	(0)	~	-	ო	0		^	· 00	<u>, ^</u>	٠,	į (r)	m	4	4	ď	ო	ហ	ო	4	
	¥	uca a	1100	۵	A	û	3 4	à	3 6	àά	A :	1440	775	A	776	, ,	9 00 5	10	2	4632	3601	2093	۵	4	١,	200	ል	2035	æ	۵	<u>۵</u>	Δ	۵	463	۵	A	8	Α	88	1492	3233	1394	5112	4536	6315	<u>.</u> A	s de	817	4	4	A	А	Δ	1793	A	
	{ ·	ı	l																																																			.12	1	
	×:	*	90.	05	8	5	5 5		- e	2 2	83	8	.07	7		د د	3 5		2;	3	8	2	8		3 6	۵۲.	8	80.	8	8	8	8	8	0.0	05	8	8	8	8	90	9	=	č	8	8	2	-	E	38	8	5	6	8	90.	8	
	몬	8	131	221	2	5	2 2	Ę Ł	28	g č	<u>,</u>	3	7.	න	Ē	E E	3 8	3 =	n (<u>~</u>	8	302	103	Ş	18	- ;	3	102	 63	8	S	8	8	5	හි	120	114	6	197	105	200	38	35.6	20	9	143	2	235	12	S	8	8	33	88	72	
	3	E E	62	99	6	£	3 2	? {	,	3 8	2	\$	37	20	9	į	3 6	3 6	20 6	3	සු	22	G.	3 8	1 K	- i	යි	က်	52	ဗ္ဗ	82	22	25	43	24	74	eg eg	77	ř.	8	82	<u>.</u>	2	, K		35	ά	3 4	? ;	ć	ر ا	24	83	8	ജ	-
	င်	шad	49	8	24	8	ب ان در	38	35	~ ç	2 :	243	8	245	277	570	28.0	3 6	1 0	7.7	3.2	229	72	970) ii	ດ	8	224	46	ե	88	r	4	396	9	327	338	355	323	334	333	274	274	200	200	8	11	33	25	94	3	8	2	336	57	ĺ
	8	E Q	ಜ	- -	24	σ	o co) <u>*</u>	Ç	2 =	4 [2/	47	=	4		Ş	2 6	~ (8	33	8	ď	ā	<u> </u>	<u>0</u> 1		ස	ഹ	ഹ	4	Α	4	88	~	<u>0</u> 0	=	<u> </u>	27	: &		8	2	1 6		۸,	- ፫	ច្ច	3	ď) (r)	, <u>^</u>	က	83	7	
	82	EQ.	92	57	88	بر	. Q	9	. C	2 1	.	-	88	83	8	8	4 8 8	3 8	2 1	2	88	373	8	5 6) L	2	524	242	83	33	7	24	44	134	21	42	စ္တ	Ą	340	200	1 K	204	848	32	92	3 6	35	3.5	ر د د	٠ د	35		22	F	43	
		- 1																																																				Δ		ļ
		1																																														٠						Δ		
		I													1																																	,					- 1			i -
	ion (km)	, 000 0	1385, 75	1385, 13	1385, 16	1385, 75	1385 20	1385 11	1385 70	1200	900	207.04	1384, 13	1384, 82	1384, 49	1384 43	287	300		446	384. 78	1384.64	1384, 74	1384 11	1007	j	40.00	33.5	1383, 28	1383, 77	1383,83	1383, 28	1383, 40	1383.87	1383, 20	1383. 53	1383, 12	1383.90	1383.45	383	30	1383	1383.22	383	88	36	38	38	36	8	8	1382, 40	1382, 74	1382, 780	1382. 40	
	Local te	0 0 0	75, 450	15,070	75. 780 780	76. 750	76.280	76, 770	000 77	72 000	2000	000	59, 520	70, 560	70, 260	70,800	70.280	71.50	200	2 400	3.440	75. 270	75, 750	75 670	22.0	0 1 0	0,540	88.88	88. 540 88. 540	69 270	69, 920	69, 280	69, 950	70, 420	70, 290	70, 770	70,910	71, 110	71, 660	71.210	420	73.590	74 550	75.130	75.510	200	3 2	38	88	160	730	69, 480	70. 150	4770. 720	70, 070	
-	>	1	4	4	4	47	4	47	47	7	, t	. t	4	47	4	47	47	7		Ŧ!	4	4	47	47	7	ĵ!	7!	7	74	47	74	47	47	47	47	47	47	47	4	4	77	4	47	4	4	4	7		4	4	4	47	4	4	4	-
	Sample No	9	1051	F052	F053	F054	F055	F056	F057	82.03		200	500	F061	F062	F063	F064	FORE	200	010	200	,F068	,F069	F070	F071	- 6	27.72	55	P074	°F075	F076	F077	F078	F079	,F080	75081	7082	75083	F084	5085	¥086	7F087	F088	500	200	1697	8	80.0	F094	FIGE	7096	F097	×50%	PF099	구100	
		ا او	in i	52 P	S S	2	55	99	57 P	a G	3 8	<u>ი</u> (8 F	<u>م</u>	92 P	8	54 P		3 9	18						- 6	۷.	2	7	5	92																	:					1	8	٠ ١	
	<i>3</i> 5 °	1																								-	Ą	5	2:	2 -	-																					٠.			- 1	

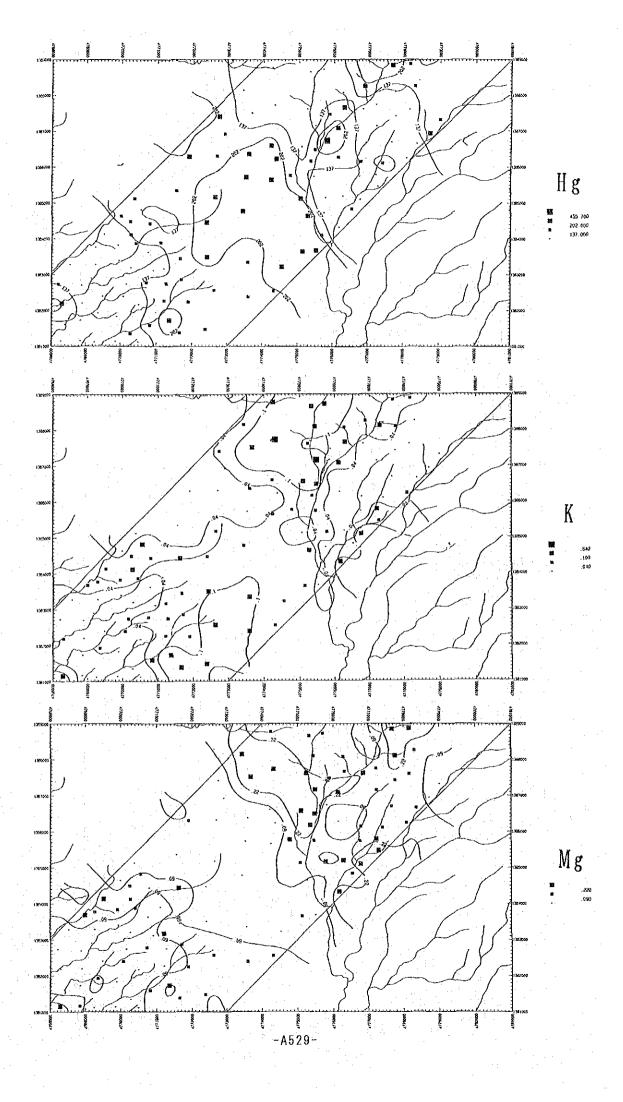
_
რ
_
Sis
Ž
Ana
~
Ę.
9
8
ö
List

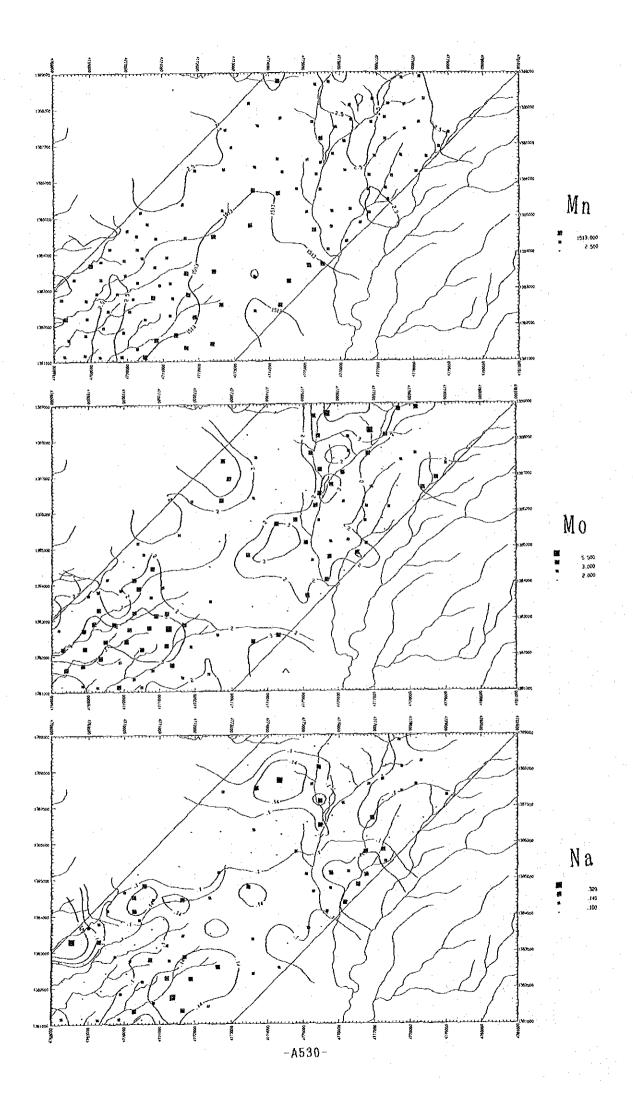
	2 g4 4 8 5 5 5 5 7 8 9 9 8 8 8 2 8 2 4 8 8 9 5 5 8 8
	■ 8 000000000000000000000000000000000000
	□ 001-1-1-1-1-1-000000000000000000000000
	1.
	↑ 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
	⁸ 8 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
	© 2000000000000000000000000000000000000
	18 6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	5% - 5 5 5 6 8 5 - 5 8 2 6 8 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
	\$ gm ∞ ∞ m cs cs cs cs cs cs cs cs cs cs cs cs cs
of Geochemical Analysis (3)	\$ 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Aralys	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
emica)	7×82424825882288228825
680	\$4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Listo	9g2858865825882828284585
	C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	8 gg 2 7 7 8 2 5 7 4 8 4 5 0 6 4 4 7 6 8 8 8 8 8 8 8
	88 88 88 88 88 88 88 88 88 88 88 88 88
· ·	⁵ 8√√√√√√√√√√√√√√√√√√ - 1, 2, 2, 44%, 5 40, 60
	(m) (m) (m) (m) (m) (m) (m) (m) (m) (m)
	X—————————————————————————————————————
	● - 4 2 4 5 8 5 8 8 0 - 4 0 4 0 0 0 0 0 0 5 5 4
	Sample Sa
	7.00 100 100 100 100 100 100 100 100 100

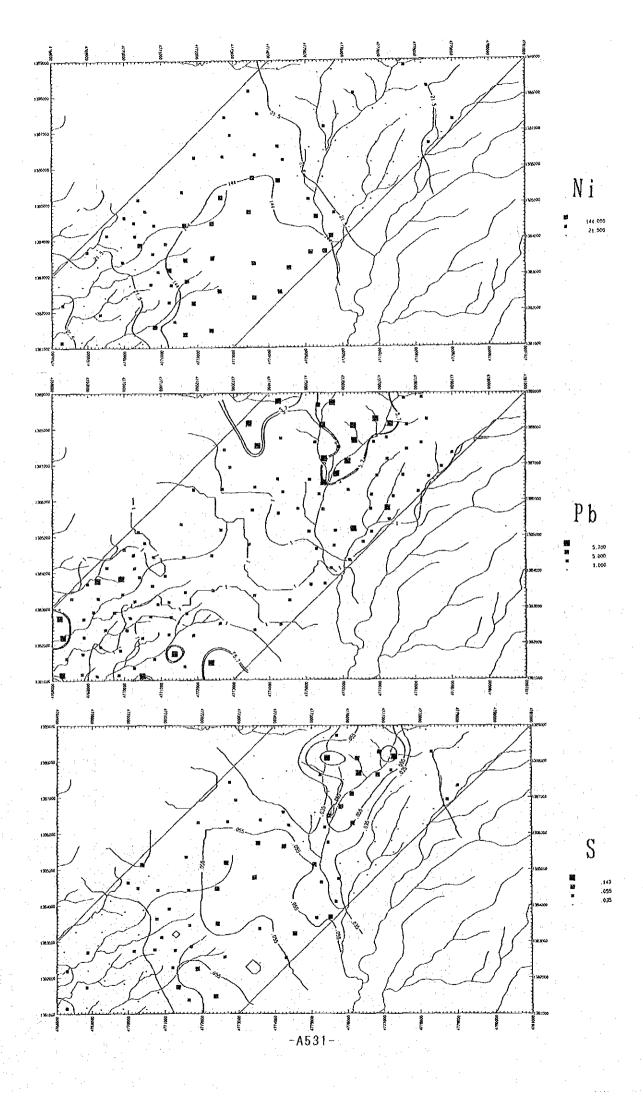
Distribution map of elements in Area F

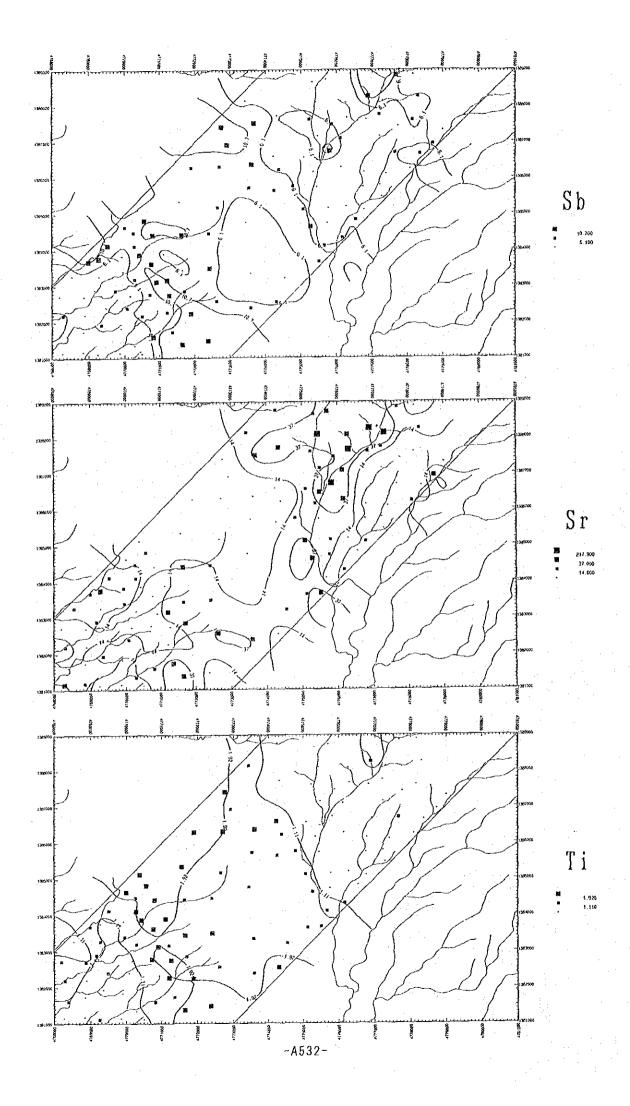


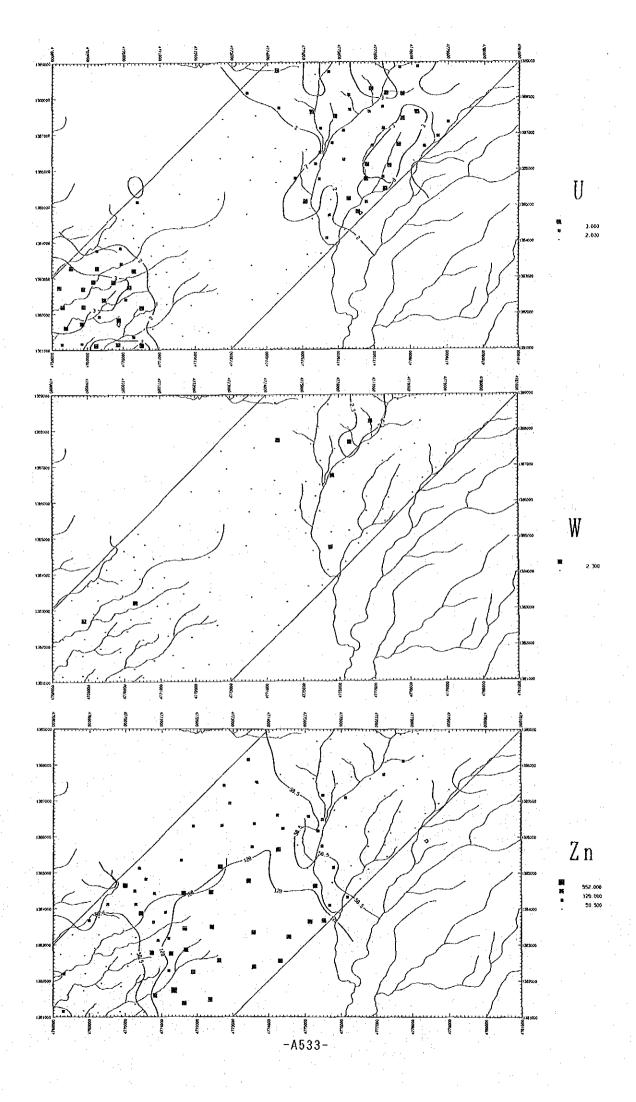












List of soil geochemical samples in Area G

_		_	į
ζ	•	3	
•	4500	į	
•	001	į	
	Č	3	
	このひなこと		
	000		

Page 1

No. No. No. E. 1/50,000 Rock of Geol. Depth Color G. S. T. H. Vegitation No. No. No. No. No. E. Basement Unit Color Geol. Geol	r				1
Sample Coordinates 1/50,000 Rock of Geol. Depth Color G. S. T.	Vegitation		Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Palm oil plant. Palm oil plant. Palm oil plant.		
Sample Coordinates 1/50,000 Rock of Basement Geol. Init Depth Color G. S. F. Components PG001 1382.12 4785.15 Tawau North argi. andesite An. 40 L.B. F. Components F Components PG002 1382.32 4785.41 Tawau North argi. andesite An. 40 L.B. F. Components F Components PG004 1382.32 4785.97 Tawau North Maneille Das. 40 L.B. F. Components F Components PG005 1382.32 4786.65 Tawau North Maneille Das. 40 L.B. R. R. C Components PG010 1382.28 4786.65 Tawau North Maneille Das. 40 L.B. R. R. C Components PG010 1382.23 4788.04 Apse-Balang Man. bon. L.B. R. R. C Components L.R. B. R. C Components L.R. B. R. C Components L.R. B. R. C Components L.R. B. R. C Components L.R. B. R. C Components L.R. B. R. C Comp	H; 2	84040000	****	рееееее	
Sample Coordinates 1/50,000 Rock of English Geol. Unit Depth Color Color Graph 1. Color 6. PG001 1382.12 4785.15 Tawau North argin. andesite An. 40 L.B. F PG003 1382.36 4785.41 Tawau North andesite An. 40 L.B. F PG004 1382.32 4786.56 Tawau North Apas. Balang Bas. 50 L.R.B. R PG005 1382.05 4786.56 Tawau North Bas. 50 L.R.B. R PG006 1382.22 4788.04 Apas. Balang Bas. 50 L.R.B. R PG010 1382.25 4788.04 Apas. Balang Bas. 50 L.R.B. R PG011 1382.25 4788.15 Apas. Balang An. Bas. 50 L.R.B. R PG012 1382.20 4788.16 Apas. Balang An. Bas. 50 L.R.B. R PG011 1382.21 4789.17	F: *	ZZZZZLLLZZ	**************************************	**************************************	
Sample Coordinates 1/50,000 Rock of Geol. Depth Color No. No. E Topo. Sheet Basement Unit (cm) L.B. PG001 1382.36 4785.44 Tawau North andesite An. 40 L.B. PG004 1382.39 4785.44 Tawau North andesite An. 40 L.B. PG005 1382.30 4786.56 Tawau North An. Ap. L.B. PG006 1382.02 4786.56 Tawau North Ap. L.B. PG010 1382.22 4788.04 Apas-Balang Ap. L.B. PG011 1382.23 4789.13 Apas-Balang An. Ap. L.B. PG011 1382.23 4789.47 Apas-Balang An. An. Ap. L.B. PG011 1382.24 4789.43 Apas-Balang An. An. Ap. L.B. PG012 1382.23 4789.44 Apas-Balang <t< td=""><td>N #</td><td>0000000000</td><td>0000000000</td><td>000000000</td><td></td></t<>	N #	0000000000	0000000000	000000000	
Sample Coordinates 1/50,000 Rock of Basement Geol. Unit Depth Color No. No. E Topo. Sheet Basement Unit 40 L.B. PG001 1382.36 4785.15 Tawau North andesite An. 40 L.B. PG002 1382.36 4785.97 Tawau North andesite An. 40 L.B. PG005 1382.05 4786.56 Tawau North An. Ap. B.B. 50 L.B. PG006 1382.02 4786.56 Tawau North An. Ap. B.B. 50 L.B. PG010 1382.22 4788.04 Abas-Balang An. Ap. L.B. 50 L.B. PG011 1382.23 4789.13 Apas-Balang An. An. Ap. B.B. B.B. L.B. PG011 1382.23 4789.14 Apas-Balang An. An. Ap. G.B. B.B. PG011 1382.23	ತ.ಕ	FFF	REFERENCE E	〒京戸京戸京 は東京	! , .
Sample Coordinates 1/50,000 Rock of Basement Geol. Unit Depth No. No. E Topo. Sheet Basement Unit (cm) PG001 1382.12 4785.15 Tawau North andesite An. 40 PG002 1382.36 4785.47 Tawau North Das 40 PG004 1382.18 4786.56 Tawau North Das 40 PG005 1382.23 4786.56 Tawau North Das 40 PG006 1382.23 4786.56 Tawau North Das 40 PG007 1382.03 4788.04 Apas-Balang Das 30 PG010 1382.23 4789.15 Apas-Balang Das 30 PG011 1382.21 4791.6 Apas-Balang Das 30 PG012 1382.21 4791.6 Apas-Balang Das 30 PG012 1382.34 4791.6 Apas-Balang Das 30 PG012	Color	க் க்க்>க்க்க்க்	ង់ ង់ក់ដូចជំងួចជំងួច រប់រប់ជំងួចជំងួចជំ	க்கைக்கைக் க	ayey (C)
Sample Coordinates 1/50,000 Rock of Gneed of Basement Gneed of Basement Gneed of Basement Gneed of Basement Gneed of Basement Gneed of Basement Gneed of Basement Gneed of Basement Gneed of	Depth (cm)	044 065 0644 066 066 066 066 066 066 066 066 06	08 08 30 30 30 30 30 30 30 30 30 30 30 30 30	50 40 40 40 40 40 40 40 40 40	(S), Wet
Sample Coordinates 1/50,000 Ro No. No. Topo. Sheet Ba PG001 1382.12 4785.15 Tawau North andes PG002 1382.36 4785.44 Tawau North andes PG003 1382.36 4786.69 Tawau North andes PG004 1382.38 4786.69 Tawau North andes PG005 1382.38 4786.69 Tawau North pc000 pc001	Geol. Unit	Ani Ani Das Das Das Das	Daz Daz Anz Anz Anz Anz Anz	Ani Ani Ani Ani Ani Ani Ani Ani	;; ⇔
Sample Coordinates No. No. No. No. No. No. No. No. PG001 1382.12 4785.15 Tape Coordinates PG002 1382.35 4785.97 Tape Coordinates PG003 1382.35 4785.91 Tape Coordinates PG004 1382.38 4785.91 Tape Coordinates PG005 1382.38 4785.91 Tape Coordinates PG006 1382.38 4785.91 Tape Coordinates PG007 1382.09 4785.91 Ape Coordinates PG008 1382.05 4786.92 Tape Coordinates PG009 1382.20 4786.92 App Coordinates PG010 1382.21 4789.04 App Coordinates PG011 1382.22 4789.07 App Coordinates PG012 1382.21 4790.07 App Coordinates PG013 1382.23 4789.04 App Coordinates PG014 1382.23 4785.94 Ap] , , , , , , , , , , , , , , , , , , ,	1 1 1 1 1 1 1 1 1	"2Grain siz "4Humidity:
Sample Coordinates No. No. No. No. PG001 1382.12 478 PG002 1382.32 478 PG003 1382.18 478 PG004 1382.18 478 PG005 1382.05 478 PG006 1382.28 478 PG007 1382.28 478 PG018 1382.27 478 PG019 1382.27 479 PG011 1382.27 479 PG012 1382.27 479 PG013 1382.27 479 PG014 1382.27 479 PG015 1382.34 479 PG016 1382.34 479 PG017 1382.33 479 PG020 1382.33 478 PG021 1381.62 478 PG022 1381.94 478 PG023 1381.6 478 PG024 1381.6 478	1/50,000 Topo. Sheet		Apas-Balang Apas-Balang Apas-Balang Apas-Balang Apas-Balang Apas-Balang Apas-Balang Apas-Balang Apas-Balang Apas-Balang		or none (R (M), Flat
Sample No. No. No. No. No. No. No. No. No. No.	iates E	4785.15 4785.44 4785.97 4786.56 4786.69 4786.69 4786.92 4786.92	4789.19 4789.67 4790.75 4791.16 4792.41 4792.94 4793.90	4785.72 4785.65 4785.54 4785.34 4786.14 4786.90 4786.90 4786.90	(F) Mode
Sample	Coordin	20222222222222222222222222222222222222	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		
No. No. 11 12 13 13 14 15 15 16 28 22 22 22 22 22 22 22 22 22 22 22 22	Sample No.	PG001 PG002 PG003 PG004 PG005 PG006 PG006 PG008 PG008	PG011 PG012 PG013 PG014 PG015 PG017 PG018 PG019 PG020	PG021 PG022 PG023 PG024 PG025 PG027 PG029 PG029	vel: Many ography:
	Ser. No.		22242222	22 22 22 23 24 23 24 30 30 30	*1Gra

Area: Sungai Apas Area (Area G)

			the same of the sa	
Vegitation	Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation	Cocca plantation Cocca plantation Cocca plantation Palm oil plant. Cocca plantation Palm oil plant. Cocca plantation Palm oil plant. Palm oil plant.	Cocoa plantation Palm oil plant. Cocoa plantation Gocoa plantation Bush Cocoa plantation Bush Palm oil plant. Palm oil plant. Cocoa plantation	
H: #	******	抗菌病病病病病病	*************	
⊢ * *	THEESTHERS	TETETEE	***************************************	
* 5.	0000000000	0000000000	0000000000	
ບ*	民政制产产及下及民	RTHRRRRTTR	厅民民民民民民民工厅民	
Color	ക്ക്ക്ക്ക്ക് ക് ക്പ്പ്ക്പ്റ്റ്ക്	8. 4. 8. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.		Clayey (C)
Depth (cm)	044 08 08 08 08 08 08 08 08 08	30 30 40 40 40 40 30 40 30	30 80 80 80 80 80 80 80 80 80 80 80 80 80	Wet,
Geol. Unit	Ani Ani Ani Daz Daz Ani Ani	Das Das Das Das Das	Daz Anz Anz Anz Daz Anz Anz Anz	size: Sandy ty: Dry (D)
Rock of Basement				*'Grain size *'Humidity:
1/50,000 Topo. Sheet	Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North Apas-Balang	Apas-Balang Apas-Balang Apas-Balang Apas-Balang Apas-Balang Apas-Balang Apas-Balang Apas-Balang Apas-Balang	Apa Apa Apa Apa Apa Apa	or none (R) (M), Flat (F)
nates E	4786.79 4786.89 4786.36 4786.44 4787.37 4787.37 4787.19	4787.90 4788.54 4788.64 4788.93 4788.93 4789.50 4789.35 4789.95	4790.10 4790.26 4790.47 4790.40 4790.63 4790.63 4790.20 4790.43	(F), Kare , Moderate
Coordinates N	1381.35 1381.20 1381.11 1380.47 1380.99 1381.55 1381.28 1381.38 1381.38	1380.95 1381.62 1381.62 1381.57 1381.26 1381.23 1381.23 1381.23 1381.23	1381.88 1381.66 1381.80 1381.37 1381.26 1381.17 1380.96 1381.9	"Gravel: Many (M), Few (F), Kare "Topography: Steep (S), Moderate
Sample No.	PG031 PG032 PG033 PG034 PG035 PG037 PG038 PG039	PG041 PG042 PG043 PG044 PG045 PG047 PG048 PG048 PG048	PG051 PG053 PG053 PG054 PG055 PG056 PG057 PG058 PG059	avel: Man
Ser. No.	00000000000000000000000000000000000000	444444444 1008 1008 1008 1008	000000000000000000000000000000000000000	Tor.

Area: Sungai Apas Area (Area G)

				
Vegitation	Cocoa plantation Cocoa plantation Cocoa plantation Bush Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Bush	Cocoa plantation Cocoa plantation Bush Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation	Cocoa plantation Cocoa plantation Cocoa plantation Cocoa plantation Oil palm plant. Cocoa plantation Oil palm plant. Cocoa plantation Oil palm plant.	
出;	***************************************	0340480350	Z0088008	
	日日日日日日四四四四四四四四四四四四四四四四四四四四四四四四四四四四四四四四四	アアログログアファ	[파 [파 [파 [파 [파 [파 [파 [파	
∾.*	0000000000	000000000	0000000000	
ප ∓	EEEEEEEEEE	EEFFEFEFEE	KEKKKKKKKK	
Color	ជាមានផ្ទុំ មាន មាន មាន មាន មាន មាន មាន មាន មាន មាន	R.B.B.B.B.B.B.B.B.B.B.B.B.B.B.B.B.B.B.B		Clayey (C)
Depth (cm)	000 000 000 000 000 000 000 000 000 00	30 30 30 40 40 40 40 40 30 30	30 40 30 40 40 40 40 40 40 40	(S),
Geol. Unit	Ang Ang Ang Ang Ang Ang Ang Ang Ang Ang	Dt Anı Anı Anı Anı Anı Anı Anı	Anı Anı Anı Daz Daz Daz Daz	ze: Sandy Dry (D)
Rock of Basement		andesite —— and. boulder and. boulder ——		*2Grain size: Sandy *4Humidity: Dry (D),
1/50,000 Topo. Sheet	Apas-Balang Apas-Balang Apas-Balang Apas-Balang Apas-Balang Apas-Balang Apas-Balang Apas-Balang	Apas-Balang Apas-Balang Tawau North Tawau North Tawau North Tawau North Tawau North Tawau North	Tawau North Tawau North Tawau North Tawau North Apas-Balang Apas-Balang Apas-Balang Apas-Balang Apas-Balang Apas-Balang	or none (R) (M), Flat (F)
nates E	4791.24 4791.58 4791.88 4792.37 4792.29 4792.73 4793.24	4793.29 4793.81 4785.30 4785.42 4786.67 4786.93 4786.28 4786.28	4786.72 4787.30 4787.10 4787.48 4788.51 4788.67 4788.73 4788.37	(F), Rare, Moderate
Coordinates N E	1381. 61 1381. 55 1381. 16 1381. 16 1381. 38 1381. 38 1381. 77 1381. 77	1381.16 1380.78 1380.31 1380.76 1380.68 1380.49 1380.42 1380.42	1380, 14 1380, 14 1380, 28 1380, 28 1380, 64 1380, 90 1380, 48 1380, 23 1380, 23 1380, 23	y (M), Few Steep (S),
Sample No.	PG061 PG062 PG063 PG064 PG065 PG067 PG067 PG068	PG071 PG072 PG073 PG074 PG075 PG077 PG078 PG079	PG081 PG083 PG083 PG085 PG085 PG086 PG087 PG080 PG080	"'Gravel: Many
Ser. No.	65 65 65 65 65 65 65 70	72 72 74 75 76 76 78 79 80	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	*¹Gra

-A539-