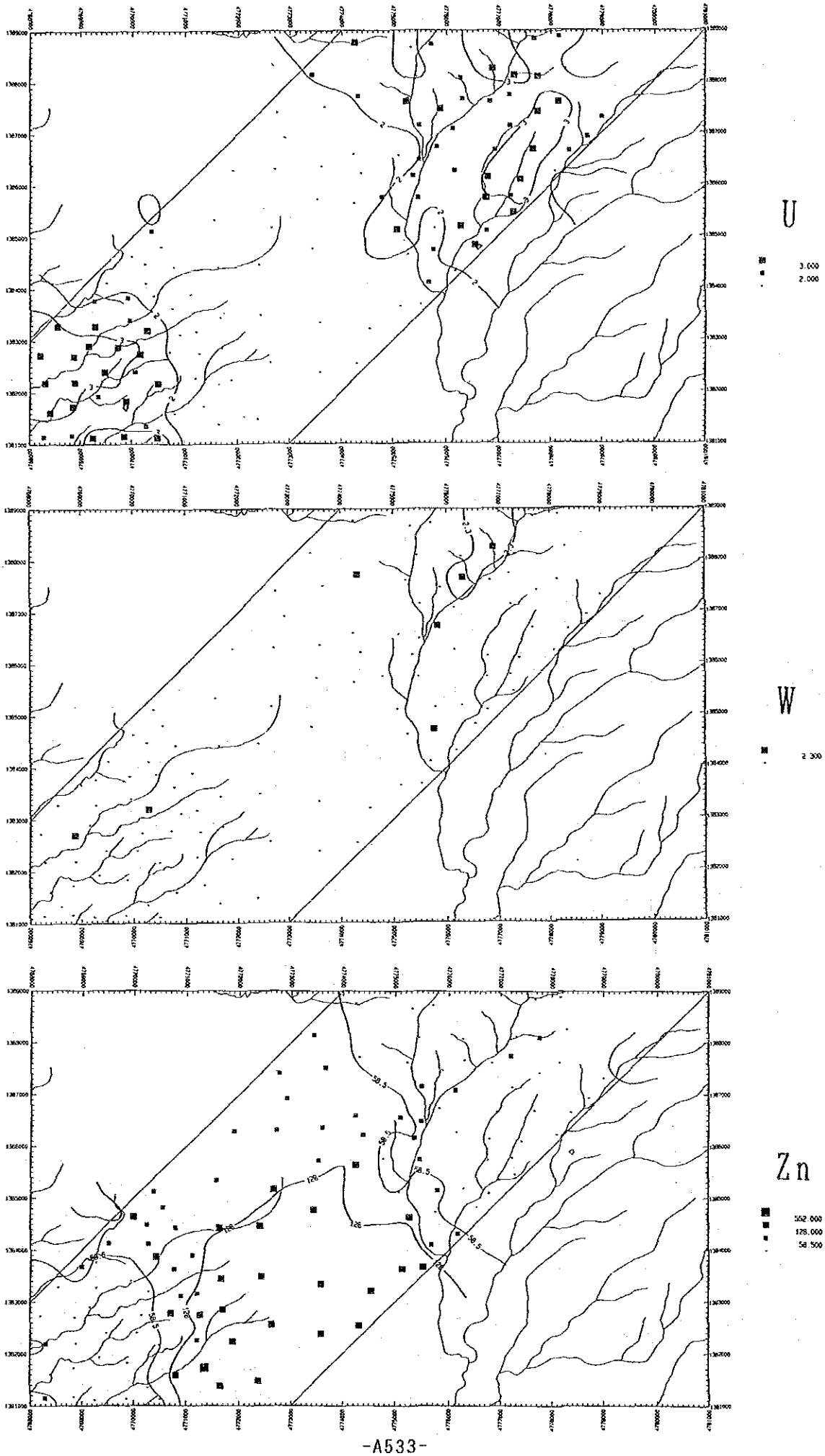

U
3.000
2.000
W
2.300
Zn
552.000
128.000
58.500

Appendix 39

List of soil geochemical samples
in Area G

Area: Sungai Apas Area (Area G)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
1	PG001	1382.12	4785.15	Tawau North	argi. andesite	An_1	40	L.B.	F	C	M	D	Bush
2	PG002	1382.36	4785.44	Tawau North	andesite	An_1	40	B.	F	C	M	D	Bush
3	PG003	1382.39	4785.97	Tawau North	—	Da_2	40	R.B.	R	C	M	D	Bush
4	PG004	1382.18	4786.16	Tawau North	—	Da_2	30	L.R.B.	R	C	M	D	Bush
5	PG005	1382.05	4786.56	Tawau North	—	Da_2	50	L.Y.B.	R	C	M	D	Bush
6	PG006	1382.32	4786.69	Tawau North	—	Da_2	40	L.B.	R	C	F	D	Bush
7	PG007	1382.09	4786.92	Tawau North	—	Da_2	40	R.B.	R	C	F	W	Bush
8	PG008	1382.28	4787.36	Tawau North	—	Da_2	50	L.B.	R	C	F	D	Cocoa plantation
9	PG009	1382.16	4788.04	Apas-Balang	—	Da_2	30	L.R.B.	F	C	M	W	Cocoa plantation
10	PG010	1382.25	4788.22	Apas-Balang	—	Da_2	30	L.R.B.	R	C	M	W	Cocoa plantation
11	PG011	1382.23	4789.19	Apas-Balang	—	Da_2	30	L.B.	F	C	M	W	Cocoa plantation
12	PG012	1382.28	4789.67	Apas-Balang	—	Da_2	30	L.Y.B.	R	C	M	W	Cocoa plantation
13	PG013	1382.21	4790.07	Apas-Balang	—	Da_2	30	L.B.	F	C	M	W	Cocoa plantation
14	PG014	1382.27	4790.75	Apas-Balang	—	An_2	30	D.B.	R	C	F	D	Cocoa plantation
15	PG015	1382.16	4791.16	Apas-Balang	and. boulder	An_2	40	D.B.	F	C	F	D	Cocoa plantation
16	PG016	1382.20	4791.73	Apas-Balang	and. boulder	An_2	50	G.B.	F	C	M	D	Cocoa plantation
17	PG017	1382.37	4792.41	Apas-Balang	—	Dt	40	G.B.	R	C	F	D	Palm oil plant.
18	PG018	1382.34	4792.94	Apas-Balang	—	Dt	30	G.B.	R	C	F	D	Palm oil plant.
19	PG019	1382.33	4793.43	Apas-Balang	—	Dt	40	G.B.	R	C	F	D	Palm oil plant.
20	PG020	1382.38	4793.90	Apas-Balang	—	Dt	30	G.B.	R	C	F	D	Palm oil plant.
21	PG021	1381.56	4785.22	Tawau North	sili. andesite	An_1	50	R.B.	F	C	M	D	Bush
22	PG022	1381.94	4785.75	Tawau North	—	An_1	40	R.B.	R	C	M	D	Bush
23	PG023	1381.62	4785.66	Tawau North	—	An_1	40	R.B.	F	C	M	D	Bush
24	PG024	1381.22	4785.54	Tawau North	—	An_1	40	L.B.R.	R	C	M	D	Cocoa plantation
25	PG025	1381.09	4785.84	Tawau North	sili. andesite	An_1	40	L.B.R.	F	C	M	D	Cocoa plantation
26	PG026	1381.56	4786.14	Tawau North	—	An_1	40	Y.B.	R	C	M	D	Cocoa plantation
27	PG027	1381.89	4786.75	Tawau North	—	An_1	40	Y.B.	R	C	M	D	Bush
28	PG028	1381.66	4786.90	Tawau North	—	An_1	30	B.	R	C	F	D	Cocoa plantation
29	PG029	1381.79	4787.04	Tawau North	—	An_1	40	R.B.	R	C	F	W	Cocoa plantation
30	PG030	1381.51	4786.87	Tawau North	—	An_1	40	B.	R	C	F	D	Cocoa plantation

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Area: Sungai Apas Area (Area G)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
31	PG031	1381.35	4786.79	Tawau North	—	An_1	40	B.	R	C	F	W	Cocoa plantation
32	PG032	1381.20	4786.89	Tawau North	—	An_1	40	Y.B.	R	C	F	D	Cocoa plantation
33	PG033	1381.11	4786.36	Tawau North	—	An_1	30	L.B.	M	C	M	D	Cocoa plantation
34	PG034	1380.47	4786.44	Tawau North	—	An_1	40	L.B.	F	C	M	D	Cocoa plantation
35	PG035	1380.99	4786.67	Tawau North	—	An_1	40	B.R.	F	C	M	D	Cocoa plantation
36	PG036	1381.81	4787.37	Tawau North	—	Da_2	50	L.Y.	R	C	F	W	Cocoa plantation
37	PG037	1381.55	4787.19	Tawau North	—	Da_2	30	Y.G.	F	C	F	W	Cocoa plantation
38	PG038	1381.28	4787.33	Tawau North	—	Da_2	40	Y.B.	R	C	F	W	Cocoa plantation
39	PG039	1381.38	4787.81	Apas-Balang	—	Da_2	40	B.	R	C	F	W	Cocoa plantation
40	PG040	1380.99	4787.10	Tawau North	—	An_1	50	Y.B.	R	C	M	W	Cocoa plantation
41	PG041	1380.95	4787.90	Apas-Balang	—	Da_2	30	B.	R	C	F	W	Cocoa plantation
42	PG042	1381.62	4788.24	Apas-Balang	—	Da_2	30	B.	F	C	M	W	Cocoa plantation
43	PG043	1381.57	4788.64	Apas-Balang	—	Da_2	30	R.B.	R	C	F	W	Cocoa plantation
44	PG044	1381.63	4789.03	Apas-Balang	—	Da_2	40	L.R.B.	R	C	M	W	Palm oil plant.
45	PG045	1381.26	4788.55	Apas-Balang	—	Da_2	40	L.B.	R	C	F	W	Cocoa plantation
46	PG046	1381.23	4788.93	Apas-Balang	—	Da_2	40	L.B.	R	C	M	W	Palm oil plant.
47	PG047	1381.80	4789.50	Apas-Balang	—	Da_2	40	L.B.	F	C	M	W	Cocoa plantation
48	PG048	1381.38	4789.35	Apas-Balang	—	Da_2	30	B.	F	C	M	W	Palm oil plant.
49	PG049	1381.23	4789.72	Apas-Balang	—	Da_2	40	Y.B.	R	C	M	W	Palm oil plant.
50	PG050	1381.58	4789.91	Apas-Balang	—	Da_2	30	R.B.	R	C	M	W	Palm oil plant.
51	PG051	1381.88	4790.10	Apas-Balang	—	Da_2	30	B.	F	C	M	W	Cocoa plantation
52	PG052	1381.66	4790.26	Apas-Balang	—	Da_2	30	B.	R	C	M	W	Palm oil plant.
53	PG053	1381.80	4790.47	Apas-Balang	—	An_2	40	Y.G.	R	C	F	D	Cocoa plantation
54	PG054	1381.82	4790.93	Apas-Balang	—	An_2	40	B.	R	C	F	D	Cocoa plantation
55	PG055	1381.37	4790.40	Apas-Balang	—	Da_2	30	Y.B.	R	C	F	D	Bush
56	PG056	1381.50	4790.73	Apas-Balang	—	An_2	50	D.B.	R	C	F	D	Cocoa plantation
57	PG057	1381.26	4790.63	Apas-Balang	—	An_2	40	Y.B.	R	C	F	D	Bush
58	PG058	1381.17	4790.20	Apas-Balang	—	Da_2	30	B.	F	C	M	W	Palm oil plant.
59	PG059	1380.96	4790.43	Apas-Balang	—	Da_2	40	B.	F	C	M	W	Palm oil plant.
60	PG060	1381.59	4791.12	Apas-Balang	—	An_2	30	D.B.	R	C	M	D	Cocoa plantation

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Area: Sungai Apas Area (Area G)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
61	PG061	1381.61	4791.24	Apas-Balang	—	An_2	50	D.B.	R	C	M	W	Cocoa plantation
62	PG062	1381.55	4791.68	Apas-Balang	—	An_2	30	Y.B.	R	C	M	W	Cocoa plantation
63	PG063	1381.16	4791.58	Apas-Balang	—	An_2	30	R.B.	R	C	F	D	Cocoa plantation
64	PG064	1381.31	4791.88	Apas-Balang	—	Dt	40	R.B.	F	C	M	D	Bush
65	PG065	1381.86	4792.37	Apas-Balang	—	Dt	30	Y.B.	R	C	F	D	Coffee plant.
66	PG066	1381.59	4792.70	Apas-Balang	—	Dt	30	Y.B.	R	C	F	D	Cocoa plantation
67	PG067	1381.38	4792.29	Apas-Balang	—	Dt	20	G.B.	R	C	F	D	Cocoa plantation
68	PG068	1381.17	4792.73	Apas-Balang	—	Dt	30	G.B.	R	C	F	D	Cocoa plantation
69	PG069	1381.77	4793.24	Apas-Balang	—	Dt	30	G.B.	R	C	F	D	Bush
70	PG070	1381.55	4793.77	Apas-Balang	—	Dt	40	G.B.	R	C	F	D	Oil palm plant.
71	PG071	1381.16	4793.29	Apas-Balang	—	Dt	30	R.B.	R	C	F	D	Cocoa plantation
72	PG072	1381.06	4793.81	Apas-Balang	—	Dt	30	B.R.	R	C	F	W	Cocoa plantation
73	PG073	1380.78	4785.30	Tawau North	andesite	An_1	30	D.B.G.	F	C	M	D	Bush
74	PG074	1380.31	4785.56	Tawau North	—	An_1	40	D.B.G.	F	C	M	D	Cocoa plantation
75	PG075	1380.76	4786.42	Tawau North	—	An_1	50	B.Y.	R	C	M	W	Cocoa plantation
76	PG076	1380.58	4786.67	Tawau North	and. boulder	An_1	40	G.Y.	F	C	M	W	Cocoa plantation
77	PG077	1380.80	4786.93	Tawau North	—	An_1	40	D.B.	R	C	F	D	Cocoa plantation
78	PG078	1380.49	4786.28	Tawau North	and. boulder	An_1	40	L.Y.B.	F	C	M	W	Cocoa plantation
79	PG079	1380.42	4786.78	Tawau North	—	An_1	40	Y.B.	R	C	F	W	Cocoa plantation
80	PG080	1380.13	4786.29	Tawau North	—	An_1	30	Y.B.	R	C	F	D	Cocoa plantation
81	PG081	1380.14	4786.72	Tawau North	—	An_1	30	R.B.	R	C	F	D	Cocoa plantation
82	PG082	1380.76	4787.30	Tawau North	—	An_1	40	Y.B.	R	C	F	W	Cocoa plantation
83	PG083	1380.30	4787.10	Tawau North	—	An_1	40	Y.B.	R	C	F	W	Cocoa plantation
84	PG084	1380.28	4787.48	Tawau North	—	An_1	30	L.B.R.	R	C	F	D	Cocoa plantation
85	PG085	1380.64	4788.14	Apas-Balang	—	Da_2	30	B.	R	C	F	D	Cocoa plantation
86	PG086	1380.88	4788.51	Apas-Balang	—	Da_2	40	L.B.	R	C	F	W	Oil palm plant.
87	PG087	1380.90	4788.67	Apas-Balang	—	Da_2	40	L.B.	R	C	F	W	Cocoa plantation
88	PG088	1380.48	4788.73	Apas-Balang	—	Da_2	40	L.B.	R	C	F	D	Oil palm plant.
89	PG089	1380.23	4788.37	Apas-Balang	—	Da_2	30	L.B.	R	C	F	D	Cocoa plantation
90	PG090	1380.92	4789.36	Apas-Balang	—	Da_2	40	L.B.	R	C	F	W	Oil palm plant.

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Area: Sungai Apas Area (Area G)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
91	PG091	1380.98	4789.62	Apas-Balang	—	Da_2	30	B.	R	C	M	W	Cocoa plantation
92	PG092	1380.96	4789.93	Apas-Balang	—	Da_2	40	L.B.	F	C	M	W	Oil palm plant.
93	PG093	1380.77	4790.16	Apas-Balang	—	Da_2	40	L.B.	F	S	M	W	Oil palm plant.
94	PG094	1380.54	4789.13	Apas-Balang	—	Da_2	40	L.B.	R	C	M	W	Cocoa plantation
95	PG095	1380.44	4789.55	Apas-Balang	—	Da_2	40	B.R.	R	C	M	W	Cocoa plantation
96	PG096	1380.17	4789.70	Apas-Balang	—	Da_2	30	R.B.	R	C	F	W	Oil palm plant.
97	PG097	1380.21	4789.24	Apas-Balang	—	Da_2	30	L.B.	R	C	F	D	Oil palm plant.
98	PG098	1380.26	4789.86	Apas-Balang	—	Da_2	30	R.B.	F	C	F	W	Cocoa plantation
99	PG099	1380.91	4790.67	Apas-Balang	—	An_2	30	L.B.	R	C	F	D	Bush
100	PG100	1380.96	4791.01	Apas-Balang	—	An_2	30	L.B.	F	C	F	W	Cocoa plantation
101	PG101	1380.62	4790.48	Apas-Balang	—	An_2	30	L.B.	F	S	M	W	Oil palm plant.
102	PG102	1380.73	4790.85	Apas-Balang	—	An_2	40	L.R.B.	R	C	M	D	Bush
103	PG103	1380.40	4790.13	Apas-Balang	—	Da_2	40	L.G.B.	R	S	M	W	Oil palm plant.
104	PG104	1380.31	4790.46	Apas-Balang	—	An_2	30	B.	F	C	M	W	Oil palm plant.
105	PG105	1380.32	4790.34	Apas-Balang	—	An_2	30	B.	F	S	M	W	Oil palm plant.
106	PG106	1380.10	4790.16	Apas-Balang	—	Dt	40	Y.W.	R	C	F	D	Oil palm plant.
107	PG107	1380.00	4790.58	Apas-Balang	—	An_2	40	B.	F	S	M	D	Oil palm plant.
108	PG108	1380.63	4791.04	Apas-Balang	argi. vol. bre	An_2	60	L.R.B.	R	C	M	W	Bush
109	PG109	1380.61	4791.53	Apas-Balang	—	An_2	30	B.	R	C	M	D	Bush
110	PG110	1380.65	4791.89	Apas-Balang	—	Dt	40	B.	R	C	F	D	Cocoa plantation
111	PG111	1380.28	4791.10	Apas-Balang	—	An_2	30	L.B.	F	S	M	W	Oil palm plant.
112	PG112	1380.30	4791.62	Apas-Balang	—	An_2	30	B.	R	C	M	W	Oil palm plant.
113	PG113	1380.28	4791.95	Apas-Balang	—	Dt	30	B.R.	R	C	F	D	Cocoa plantation
114	PG114	1380.04	4791.30	Apas-Balang	—	An_2	40	B.	R	C	F	D	Cocoa plantation
115	PG115	1380.80	4792.54	Apas-Balang	—	Dt	30	G.B.	R	C	F	D	Coffee plant.
116	PG116	1380.36	4792.44	Apas-Balang	—	Dt	40	G.	R	S	F	D	Cocoa plantation
117	PG117	1380.40	4792.38	Apas-Balang	—	Dt	30	G.	R	C	F	D	Cocoa plantation
118	PG118	1380.06	4792.25	Apas-Balang	—	Dt	40	R.B.	R	C	F	D	Cocoa plantation
119	PG119	1380.23	4793.45	Apas-Balang	—	Dt	30	G.	R	C	F	D	Cocoa plantation
120	PG120	1379.46	4785.47	Tawau North	sil.and.bould.	An_1	40	R.B.	M	C	F	D	Bush

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Area: Sungai Apas Area (Area G)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
121	PG121	1379.70	4785.72	Tawau North	—	An_1	40	L.Y.B.	F	C	F	D	Cocoa plantation
122	PG122	1379.72	4786.04	Tawau North	—	An_1	50	Y.B.	F	C	F	D	Cocoa plantation
123	PG123	1379.72	4786.30	Tawau North	—	An_1	40	B.	F	C	F	D	Cocoa plantation
124	PG124	1379.67	4786.60	Tawau North	—	An_1	40	B.	R	C	F	D	Cocoa plantation
125	PG125	1379.82	4786.41	Tawau North	—	An_1	50	L.B.G.	R	C	F	D	Cocoa plantation
126	PG126	1379.50	4786.83	Tawau North	—	An_1	40	G.B.	R	C	F	D	Cocoa plantation
127	PG127	1379.33	4786.16	Tawau North	andesite	An_1	40	D.B.	F	S	M	D	Cocoa plantation
128	PG128	1379.38	4786.46	Tawau North	sil.and.bould.	An_1	40	B.	F	C	F	D	Cocoa plantation
129	PG129	1379.12	4786.36	Tawau North	sil.and.bould.	An_1	50	L.B.	M	C	M	D	Cocoa plantation
130	PG130	1379.21	4786.70	Tawau North	—	An_1	40	B.	R	C	F	D	Cocoa plantation
131	PG131	1379.37	4787.15	Tawau North	—	An_1	30	B.G.	R	C	F	D	Cocoa plantation
132	PG132	1379.99	4787.18	Tawau North	—	An_1	60	L.G.	R	S	M	D	Oil palm plant.
133	PG133	1379.64	4787.17	Tawau North	—	An_1	40	D.B.	R	C	F	D	Cocoa plantation
134	PG134	1379.81	4787.33	Tawau North	—	An_1	30	B.	R	C	F	D	Cocoa plantation
135	PG135	1379.86	4787.82	Apas-Balang	and. boulder	An_1	40	B.	F	C	F	D	Oil palm plant.
136	PG136	1379.40	4787.70	Tawau North	—	Dt	30	B.	R	C	F	W	Cocoa plantation
137	PG137	1378.94	4787.56	Tawau North	sil.and.bould.	Dt	40	B.	F	S	M	W	Cocoa plantation
138	PG138	1379.72	4788.67	Apas-Balang	—	Da_2	40	D.B.	R	C	F	D	Cocoa plantation
139	PG139	1379.48	4788.40	Apas-Balang	and. boulder	Dt	30	B.	R	C	F	D	Cocoa plantation
140	PG140	1379.47	4788.91	Apas-Balang	—	Da_2	30	B.	R	C	F	D	Cocoa plantation
141	PG141	1379.18	4788.14	Apas-Balang	—	Dt	30	Y.B.	R	C	F	D	Cocoa plantation
142	PG142	1379.09	4788.65	Apas-Balang	and. boulder	Dt	50	B.	R	C	F	W	Cocoa plantation
143	PG143	1379.83	4789.25	Apas-Balang	—	Da_2	30	R.B.	R	C	F	D	Oil palm plant.
144	PG144	1379.81	4789.79	Apas-Balang	—	Da_2	30	B.	R	C	F	D	Oil palm plant.
145	PG145	1379.38	4789.47	Apas-Balang	—	Da_2	30	B.	R	C	F	D	Oil palm plant.
146	PG146	1379.04	4789.20	Apas-Balang	—	Dt	40	Y.B.	F	S	M	D	Cocoa plantation
147	PG147	1379.06	4789.90	Apas-Balang	—	Dt	40	B.	R	C	F	D	Oil palm plant.
148	PG148	1379.55	4790.08	Apas-Balang	—	Da_2	50	B.	R	C	F	D	Oil palm plant.
149	PG149	1379.68	4790.58	Apas-Balang	—	Dt	40	B.	R	C	F	D	Oil palm plant.
150	PG150	1379.28	4790.43	Apas-Balang	—	Dt	40	G.B.	R	C	F	D	Oil palm plant.

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
151	PG151	1379.13	4790.88	Apas-Balang	—	Dt	40	B.	R	C	F	D	Oil palm plant.
152	PG152	1379.72	4791.01	Apas-Balang	—	Dt	30	Y.B.	R	C	F	D	Oil palm plant.
153	PG153	1379.88	4791.69	Apas-Balang	—	Dt	40	R.B.	F	S	F	D	Cocoa plantation
154	PG154	1379.70	4791.35	Apas-Balang	—	Dt	40	R.B.	R	C	F	D	Oil palm plant.
155	PG155	1379.63	4791.61	Apas-Balang	—	Dt	40	G.B.	R	C	F	D	Cocoa plantation
156	PG156	1379.47	4791.90	Apas-Balang	—	Dt	30	B.	R	C	F	D	Cocoa plantation
157	PG157	1379.25	4791.64	Apas-Balang	—	Dt	40	D.B.	F	S	F	D	Cocoa plantation
158	PG158	1379.83	4792.01	Apas-Balang	—	Dt	30	B.Y.	R	C	M	W	Cocoa plantation
159	PG159	1379.88	4792.63	Apas-Balang	—	Dt	30	B.R.	R	C	F	D	Bush
160	PG160	1379.46	4792.31	Apas-Balang	—	Dt	30	L.Y.B.	R	C	F	D	Cocoa plantation
161	PG161	1379.51	4792.77	Apas-Balang	—	Dt	30	G.B.	R	C	F	D	Oil palm plant.
162	PG162	1379.08	4792.49	Apas-Balang	—	Dt	40	B.	R	C	M	D	Cocoa plantation
163	PG163	1379.15	4792.97	Apas-Balang	—	Dt	30	B.	R	C	F	D	Cocoa plantation
164	PG164	1379.41	4793.30	Apas-Balang	—	Dt	30	R.B.	R	C	F	W	Oil palm plant.
165	PG165	1379.94	4793.84	Apas-Balang	—	Dt	30	R.B.	R	C	F	D	Cocoa plantation
166	PG166	1379.13	4793.69	Apas-Balang	—	Dt	40	D.B.G.	F	S	F	D	Oil palm plant.
167	PG167	1378.43	4785.54	Tawau North	sil.and.bould.	An_1	40	B.	F	S	S	W	Secondary forest
168	PG168	1378.51	4786.57	Tawau North	sil.and.bould.	An_1	40	L.B.	F	S	M	W	Cocoa plantation
169	PG169	1378.49	4787.88	Apas-Balang	—	Dt	40	G.	F	S	F	D	Cocoa plantation
170	PG170	1378.01	4787.54	Tawau North	sil.and.bould.	An_1	40	R.B.	F	S	M	W	Cocoa plantation
171	PG171	1378.76	4788.33	Apas-Balang	—	Dt	40	Y.B.	R	C	F	D	Cocoa plantation
172	PG172	1378.42	4788.61	Apas-Balang	—	Dt	30	G.B.	R	C	F	D	Cocoa plantation
173	PG173	1378.23	4788.40	Apas-Balang	—	Dt	40	B.G.	F	S	F	D	Cocoa plantation
174	PG174	1377.97	4788.09	Apas-Balang	sil.and.bould.	An_1	40	B.	F	S	F	W	Cocoa plantation
175	PG175	1377.98	4788.55	Apas-Balang	—	Dt	40	Y.B.	F	S	M	D	Cocoa plantation
176	PG176	1378.57	4789.09	Apas-Balang	—	Dt	40	B.	F	S	M	D	Cocoa plantation
177	PG177	1378.62	4789.48	Apas-Balang	—	Dt	40	B.	F	S	M	D	Cocoa plantation
178	PG178	1378.27	4789.02	Apas-Balang	—	Dt	40	Y.B.	R	C	F	D	Cocoa plantation
179	PG179	1378.05	4789.53	Apas-Balang	—	Dt	40	G.B.	R	C	F	D	Cocoa plantation
180	PG180	1378.07	4789.93	Apas-Balang	—	Dt	30	B.	R	C	F	D	Oil palm plant.

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
181	PG181	1378.46	4790.22	Apas-Balang	—	Dt	40	B.	F	S	F	D	Oil palm plant.
182	PG182	1378.81	4790.32	Apas-Balang	—	Dt	40	R.B.	R	C	F	D	Oil palm plant.
183	PG183	1378.55	4790.21	Apas-Balang	—	Dt	40	Y.B.	R	C	F	D	Oil palm plant.
184	PG184	1378.18	4790.52	Apas-Balang	—	Dt	30	Y.B.	R	C	F	D	Bush
185	PG185	1378.22	4790.85	Apas-Balang	—	Dt	40	B.	R	C	F	D	Oil palm plant.
186	PG186	1378.68	4791.23	Apas-Balang	—	Dt	30	B.	R	C	F	D	Oil palm plant.
187	PG187	1378.64	4791.55	Apas-Balang	—	Dt	40	D.B.	F	S	F	D	Oil palm plant.
188	PG188	1378.73	4791.89	Apas-Balang	—	Dt	40	D.B.	F	S	F	D	Cocoa plantation
189	PG189	1378.12	4791.11	Apas-Balang	—	Dt	40	Y.B.	R	C	F	D	Oil palm plant.
190	PG190	1378.13	4791.42	Apas-Balang	—	Dt	40	L.B.	F	S	M	D	Oil palm plant.
191	PG191	1378.30	4791.54	Apas-Balang	—	Dt	40	Y.B.	R	C	F	D	Oil palm plant.
192	PG192	1378.17	4791.85	Apas-Balang	—	Dt	40	D.B.	F	S	F	D	Coffee plant.
193	PG193	1378.68	4792.29	Apas-Balang	—	Dt	40	B.	R	C	F	D	Cocoa plantation
194	PG194	1378.81	4792.75	Apas-Balang	—	Dt	30	B.	R	C	F	D	Cocoa plantation
195	PG195	1378.22	4792.29	Apas-Balang	—	Dt	30	R.B.	R	C	F	D	Cocoa plantation
196	PG196	1378.37	4792.65	Apas-Balang	—	Dt	40	R.G.	R	C	F	D	Oil palm plant.
197	PG197	1377.97	4792.72	Apas-Balang	—	Dt	30	B.	R	C	F	D	Oil palm plant.
198	PG198	1378.37	4793.13	Apas-Balang	—	Dt	40	R.B.	R	C	F	W	Cocoa plantation
199	PG199	1378.30	4793.69	Apas-Balang	—	Dt	40	R.B.	F	C	M	D	Oil palm plant.
200	PG200	1377.50	4785.48	Tawau North	sili. andesite	An_1	30	Y.B.	F	C	S	D	Bush
201	PG201	1377.49	4786.55	Tawau North	sili. andesite	An_1	30	Y.B.	F	S	S	D	Bush
202	PG202	1376.99	4787.59	Tawau North	sili. andesite	An_1	30	D.G.	F	S	M	W	Bush
203	PG203	1377.65	4788.07	Apas-Balang	sil.and.bould.	An_1	40	B.	F	S	M	W	Cocoa plantation
204	PG204	1377.68	4788.57	Apas-Balang	sil.and.bould.	Dt	40	B.	F	S	F	W	Cocoa plantation
205	PG205	1377.32	4788.24	Apas-Balang	—	An_1	40	L.B.Y.	R	C	M	W	Cocoa plantation
206	PG206	1377.28	4788.60	Apas-Balang	—	Dt	40	R.Y.	R	S	M	D	Cocoa plantation
207	PG207	1376.98	4788.54	Apas-Balang	—	Dt	40	B.	R	C	M	W	Cocoa plantation
208	PG208	1376.97	4788.85	Apas-Balang	—	Dt	40	L.Y.B.	R	S	F	D	Cocoa plantation
209	PG209	1377.68	4789.34	Apas-Balang	—	Dt	40	G.	R	C	F	D	Cocoa plantation
210	PG210	1377.84	4789.82	Apas-Balang	—	Dt	40	G.B.	R	C	F	D	Cocoa plantation

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
211	PG211	1377.62	4789.64	Apas-Balang	—	Dt	40	D.B.	R	C	F	D	Cocoa plantation
212	PG212	1377.24	4789.35	Apas-Balang	—	Dt	40	D.B.	R	C	F	W	Cocoa plantation
213	PG213	1377.26	4789.84	Apas-Balang	—	Dt	40	Y.B.	R	C	F	D	Cocoa plantation
214	PG214	1377.92	4790.23	Apas-Balang	—	Dt	40	D.B.	R	C	F	D	Oil palm plant.
215	PG215	1377.77	4790.72	Apas-Balang	—	Dt	40	B.	R	C	F	D	Oil palm plant.
216	PG216	1377.35	4790.28	Apas-Balang	—	Dt	30	Y.B.	R	C	F	D	Oil palm plant.
217	PG217	1377.83	4791.41	Apas-Balang	—	Dt	40	B.	R	C	F	D	Oil palm plant.
218	PG218	1377.96	4791.65	Apas-Balang	—	Dt	40	B.	R	C	F	D	Oil palm plant.
219	PG219	1377.39	4791.19	Apas-Balang	—	Dt	40	D.B.	R	C	F	D	Oil palm plant.
220	PG220	1377.58	4791.43	Apas-Balang	—	Dt	30	D.B.	R	C	F	D	Oil palm plant.
221	PG221	1377.63	4791.74	Apas-Balang	—	Dt	40	B.	R	C	F	D	Oil palm plant.
222	PG222	1377.23	4791.94	Apas-Balang	—	Dt	40	B.	F	S	F	D	Oil palm plant.
223	PG223	1377.81	4792.08	Apas-Balang	—	Dt	40	D.B.	F	S	F	D	Oil palm plant.
224	PG224	1377.50	4792.29	Apas-Balang	—	Dt	40	B.	R	C	F	D	Oil palm plant.
225	PG225	1377.54	4792.70	Apas-Balang	—	Dt	40	R.B.	R	C	F	W	Oil palm plant.
226	PG226	1377.14	4792.57	Apas-Balang	—	Dt	30	B.	R	C	F	W	Oil palm plant.
227	PG227	1377.64	4793.29	Apas-Balang	—	Dt	50	B.	R	C	F	W	Oil palm plant.
228	PG228	1377.61	4793.83	Apas-Balang	—	Dt	30	Y.B.	R	C	F	D	Oil palm plant.
229	PG229	1377.16	4793.58	Apas-Balang	—	Dt	30	B.	R	C	F	D	Oil palm plant.
230	PG230	1376.53	4785.54	Tawau North	sil.An.boulder	An_1	40	Y.B.	F	C	M	D	Cocoa plantation
231	PG231	1376.56	4786.56	Tawau North	sil.An.boulder	An_1	40	Y.B.	M	S	M	D	Bush
232	PG232	1376.01	4787.54	Tawau North	sil.An.boulder	An_1	40	D.B.	F	C	F	D	Cocoa plantation
233	PG233	1376.56	4788.55	Tawau North	—	Dt	30	Y.B.	F	S	M	W	Cocoa plantation
234	PG234	1376.03	4788.63	Tawau North	sil.vol.block	An_1	30	Y.B.	R	C	F	D	Oil palm plant.
235	PG235	1376.95	4789.20	Tawau North	—	Dt	40	D.B.	R	S	M	D	Cocoa plantation
236	PG236	1376.92	4789.89	Tawau North	—	Dt	40	D.B.	R	C	F	D	Cocoa plantation
237	PG237	1376.61	4789.17	Tawau North	—	Dt	40	Y.B.	R	S	F	D	Oil palm plant.
238	PG238	1376.65	4789.57	Tawau North	—	Dt	40	Y.B.	R	S	M	W	Cocoa plantation
239	PG239	1376.33	4789.51	Tawau North	—	Dt	40	Y.B.	R	S	F	D	Cocoa plantation
240	PG240	1376.04	4789.70	Tawau North	—	Dt	40	Y.B.	R	S	F	D	Cocoa plantation

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
241	PG241	1376.72	4790.29	Apas-Balang	—	Dt	40	D.B.	R	C	F	W	Cocoa plantation
242	PG242	1376.30	4790.00	Apas-Balang	—	Dt	40	D.B.	R	C	F	D	Bush
243	PG243	1376.18	4790.52	Apas-Balang	—	Dt	40	D.B.	R	S	F	W	Cocoa plantation
244	PG244	1376.65	4790.83	Apas-Balang	—	Dt	30	D.B.	R	C	M	D	Oil palm plant.
245	PG245	1376.38	4790.84	Apas-Balang	—	Dt	30	D.B.	R	C	M	W	Bush
246	PG246	1376.90	4791.24	Apas-Balang	—	Dt	40	Y.B.	F	C	F	D	Cocoa plantation
247	PG247	1376.40	4791.38	Apas-Balang	—	Dt	30	D.B.	R	C	M	W	Oil palm plant.
248	PG248	1376.10	4791.29	Apas-Balang	—	Dt	30	D.B.	R	C	F	W	Cocoa plantation
249	PG249	1376.69	4791.97	Apas-Balang	—	Dt	40	B.	F	C	M	D	Cocoa plantation
250	PG250	1376.26	4792.03	Apas-Balang	—	Dt	40	B.	F	S	F	D	Oil palm plant.
251	PG251	1376.64	4792.69	Apas-Balang	—	Dt	30	B.	R	C	F	W	Oil palm plant.
252	PG252	1376.17	4792.90	Apas-Balang	—	Dt	30	R.B.	F	C	F	W	Oil palm plant.
253	PG253	1376.19	4793.50	Apas-Balang	—	Dt	40	Y.B.	R	C	M	W	Oil palm plant.
254	PG254	1375.54	4785.51	Tawau North	—	An_1	40	Y.B.	F	S	S	D	Cocoa plantation
255	PG255	1375.33	4786.37	Tawau North	sil.An.boulder	An_1	30	D.B.	M	C	F	D	Cocoa plantation
256	PG256	1375.40	4786.82	Tawau North	sil.An.boulder	An_1	50	D.B.	F	C	F	D	Cocoa plantation
257	PG257	1375.43	4787.34	Tawau North	sil.An.boulder	An_1	30	Y.B.	M	C	F	D	Cocoa plantation
258	PG258	1375.35	4787.84	Apas-Balang	—	Dt	40	R.B.	R	C	F	D	Cocoa plantation
259	PG259	1375.00	4787.53	Tawau North	—	Dt	30	W.G.	R	S	F	D	Cocoa plantation
260	PG260	1375.48	4788.14	Apas-Balang	—	Dt	40	Y.	R	S	F	W	Oil palm plant.
261	PG261	1375.47	4788.51	Apas-Balang	—	Dt	30	Y.B.	R	C	F	D	Cocoa plantation
262	PG262	1375.26	4788.79	Apas-Balang	—	Dt	30	Y.B.	R	S	F	W	Cocoa plantation
263	PG263	1375.77	4788.99	Apas-Balang	—	Dt	40	Y.B.	R	S	F	W	Rubber plant.
264	PG264	1375.42	4789.44	Apas-Balang	—	Dt	30	W.G.	R	S	F	W	Cocoa plantation
265	PG265	1375.64	4789.82	Apas-Balang	—	Dt	30	W.G.	R	S	F	W	Cocoa plantation
266	PG266	1375.09	4789.14	Apas-Balang	—	Dt	30	D.B.	R	S	F	D	Cocoa plantation
267	PG267	1375.07	4789.78	Apas-Balang	—	Dt	30	Y.B.	R	S	F	W	Cocoa plantation
268	PG268	1375.67	4790.28	Apas-Balang	—	Dt	40	R.B.	R	C	M	D	Oil palm plant.
269	PG269	1375.86	4790.66	Apas-Balang	—	Dt	40	Y.B.	R	S	F	W	Oil palm plant.
270	PG270	1375.43	4790.74	Apas-Balang	—	Dt	40	Y.B.	R	S	F	W	Bush

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
271	PG271	1375.15	4790.46	Apas-Balang	—	Dt	40	Y.	R	S	F	W	Oil palm plant.
272	PG272	1375.83	4791.09	Apas-Balang	—	Dt	40	B.	F	S	M	D	Rubber plant.
273	PG273	1375.91	4791.54	Apas-Balang	—	Dt	30	D.B.	R	C	F	W	Bush
274	PG274	1375.34	4791.24	Apas-Balang	—	Dt	40	D.B.	R	S	F	D	Oil palm plant.
275	PG275	1375.99	4791.04	Apas-Balang	—	Dt	40	D.B.	R	S	F	D	Oil palm plant.
276	PG276	1375.44	4791.80	Apas-Balang	—	Dt	30	D.B.	R	C	F	W	Bush
277	PG277	1375.80	4792.29	Apas-Balang	—	Dt	40	D.B.	F	S	F	D	Cocoa plantation
278	PG278	1375.72	4792.84	Apas-Balang	—	Dt	30	D.B.	R	C	S	W	Oil palm plant.
279	PG279	1375.22	4792.08	Apas-Balang	—	Dt	30	B.	R	C	F	W	No vegitation
280	PG280	1375.87	4792.44	Apas-Balang	—	Dt	30	B.	R	C	F	W	Oil palm plant.
281	PG281	1375.64	4793.26	Apas-Balang	—	Dt	30	B.	F	C	M	W	Oil palm plant.
282	PG282	1375.77	4793.86	Apas-Balang	—	Dt	30	R.B.	R	C	M	W	Oil palm plant.
283	PG283	1375.28	4793.65	Apas-Balang	—	Dt	30	B.	R	C	M	W	Oil palm plant.
284	PG284	1374.63	4785.53	Tawau North	and. boulder	An_1	50	D.B.	F	C	M	D	Cocoa plantation
285	PG285	1374.49	4785.85	Tawau North	andesite	An_1	50	Y.B.	F	S	F	D	Bush
286	PG286	1374.08	4785.33	Tawau North	—	Dt	50	D.B.	R	S	F	D	Cocoa plantation
287	PG287	1374.01	4785.90	Tawau North	—	Dt	30	D.B.	F	C	F	D	Cocoa plantation
288	PG288	1374.92	4786.07	Tawau North	—	An_1	40	Y.B.	R	C	F	W	Cocoa plantation
289	PG289	1374.51	4786.86	Tawau North	—	Dt	50	Y.B.	R	S	F	D	Cocoa plantation
290	PG290	1374.43	4786.77	Tawau North	—	Dt	30	D.B.	F	S	F	D	Cocoa plantation
291	PG291	1373.97	4786.55	Tawau North	—	Dt	30	D.B.	F	S	F	D	Cocoa plantation
292	PG292	1374.63	4787.18	Tawau North	—	Dt	30	Y.B.	R	C	F	D	Cocoa plantation
293	PG293	1374.54	4787.58	Tawau North	—	Dt	40	B.	R	S	F	W	Rubber plant.
294	PG294	1373.99	4787.56	Tawau North	—	Dt	40	B.	R	S	F	W	Rubber plant.
295	PG295	1374.65	4788.19	Apas-Balang	alt.An.boulder	Dt	40	Y.B.	F	S	F	D	Cocoa plantation
296	PG296	1374.67	4788.85	Apas-Balang	—	Dt	40	Y.B.	R	S	F	D	Bush
297	PG297	1374.19	4788.81	Apas-Balang	—	Dt	40	Y.B.	R	S	F	D	Cocoa plantation
298	PG298	1374.66	4789.40	Apas-Balang	—	Dt	40	D.B.	R	S	F	D	Coffee plant.
299	PG299	1374.68	4789.91	Apas-Balang	—	Dt	40	D.B.	R	C	M	D	Coconut
300	PG300	1374.04	4789.53	Apas-Balang	—	Dt	40	Y.B.	R	S	F	D	Cocoa plantation

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
301	PG301	1374.43	4790.40	Apas-Balang	—	Dt	40	Y.B.	R	S	F	D	Oil palm plant.
302	PG302	1374.05	4790.77	Apas-Balang	—	Dt	40	B.	R	S	F	W	Cocoa plantation
303	PG303	1374.58	4791.35	Apas-Balang	—	Dt	40	B.	R	C	M	W	Cocoa plantation
304	PG304	1374.93	4791.72	Apas-Balang	—	Dt	40	B.	R	C	M	W	Cocoa plantation
305	PG305	1374.66	4792.06	Apas-Balang	—	Dt	40	D.B.	R	C	F	W	Cocoa plantation
306	PG306	1374.87	4792.54	Apas-Balang	—	Dt	30	D.B.	R	S	F	W	Oil palm plant.
307	PG307	1375.00	4792.92	Apas-Balang	—	Dt	30	B.	R	C	F	W	*No vegitation*
308	PG308	1374.62	4793.19	Apas-Balang	—	Dt	30	B.	R	C	F	W	Oil palm plant.
309	PG309	1374.82	4793.69	Apas-Balang	—	Dt	30	B.	R	C	M	W	Oil palm plant.
310	PG310	1374.31	4793.13	Apas-Balang	—	Dt	30	B.	R	S	F	D	Oil palm plant.
311	PG311	1374.33	4793.91	Apas-Balang	—	Dt	30	B.	R	C	F	W	Oil palm plant.
312	PG312	1374.63	4794.17	Apas-Balang	—	Dt	30	B.	R	C	M	W	Oil palm plant.
313	PG313	1374.81	4794.60	Apas-Balang	—	Dt	30	B.	R	C	M	W	Oil palm plant.
314	PG314	1374.46	4794.51	Apas-Balang	—	Dt	30	B.	R	C	M	W	Oil palm plant.
315	PG315	1374.42	4794.86	Apas-Balang	—	Dt	30	B.	R	C	F	W	Oil palm plant.
316	PG316	1374.15	4794.60	Apas-Balang	—	Dt	30	B.	R	C	F	W	Oil palm plant.
317	PG317	1374.12	4794.95	Apas-Balang	—	Dt	40	D.B.	R	C	F	W	Oil palm plant.
318	PG318	1374.82	4795.04	Apas-Balang	—	Dt	30	L.B.	R	S	F	D	Oil palm plant.
319	PG319	1374.86	4795.63	Apas-Balang	—	Dt	30	L.B.	R	S	M	D	Oil palm plant.
320	PG320	1374.58	4795.24	Apas-Balang	—	Dt	40	L.B.	R	C	M	W	Oil palm plant.
321	PG321	1374.33	4795.32	Apas-Balang	—	Dt	30	L.B.	R	S	M	D	Oil palm plant.
322	PG322	1374.38	4795.73	Apas-Balang	—	Dt	40	B.	R	S	F	D	Oil palm plant.
323	PG323	1374.07	4795.37	Apas-Balang	—	Dt	40	B.	R	C	F	W	Rubber plant.
324	PG324	1373.98	4795.78	Apas-Balang	—	Dt	30	L.G.	R	S	F	D	Oil palm plant.
325	PG325	1373.54	4785.90	Tawau North	—	Dt	40	R.B.	F	C	M	W	Coconut
326	PG326	1373.06	4785.75	Tawau North	basalt	An_1	30	D.B.	F	C	M	W	Coconut
327	PG327	1373.56	4786.54	Tawau North	basalt	An_1	40	D.B.	R	S	M	D	Cocoa plantation
328	PG328	1372.99	4786.51	Tawau North	andesite	An_1	40	G.B.	R	S	M	D	Cocoa plantation
329	PG329	1373.57	4787.01	Tawau North	andesite	An_1	40	D.B.	F	S	M	W	Cocoa plantation
330	PG330	1373.56	4787.54	Tawau North	—	An_1	40	B.	F	C	F	D	Cocoa plantation

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Area: Sungai Apas Area (Area G)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
331	PG331	1373.20	4787.43	Tawau North	—	An_1	30	D.G.	R	C	F	D	Cocoa plantation
332	PG332	1373.32	4787.99	Apas-Balang	—	Dt	30	B.	R	C	F	D	Oil palm plant.
333	PG333	1373.74	4788.19	Apas-Balang	alt.An.boulder	Dt	40	B.	F	S	F	D	Bush
334	PG334	1373.73	4788.87	Apas-Balang	—	Dt	40	Y.B.	R	C	F	D	Rubber plant.
335	PG335	1373.38	4788.36	Apas-Balang	—	Dt	40	Y.B.	R	S	F	D	Oil palm plant.
336	PG336	1373.29	4788.64	Apas-Balang	—	Dt	30	Y.B.	F	S	F	D	Oil palm plant.
337	PG337	1373.69	4789.59	Apas-Balang	—	Dt	40	Y.B.	R	S	F	D	Cocoa plantation
338	PG338	1373.12	4789.64	Apas-Balang	—	Dt	30	Y.B.	R	S	F	D	Cocoa plantation
339	PG339	1373.12	4790.22	Apas-Balang	—	Dt	40	Y.B.	R	S	F	D	Cocoa plantation
340	PG340	1373.41	4790.57	Apas-Balang	—	Dt	40	Y.B.	R	S	F	D	Cocoa plantation
341	PG341	1373.74	4791.30	Apas-Balang	—	Dt	40	B.	F	S	F	W	Cocoa plantation
342	PG342	1373.91	4791.86	Apas-Balang	—	Dt	30	L.G.	R	S	F	D	Farm
343	PG343	1373.43	4791.04	Apas-Balang	—	Dt	40	Y.B.	R	S	F	D	Cocoa plantation
344	PG344	1373.27	4791.86	Apas-Balang	—	Dt	40	L.B.	R	C	F	W	Farm
345	PG345	1373.78	4792.38	Apas-Balang	—	Dt	40	G.	R	S	F	W	Farm
346	PG346	1373.87	4792.83	Apas-Balang	—	Dt	40	D.B.	R	S	F	W	Farm
347	PG347	1373.26	4792.31	Apas-Balang	—	Dt	40	L.B.	F	S	F	D	Farm
348	PG348	1373.47	4792.77	Apas-Balang	—	Dt	40	L.G.	F	S	F	W	Farm
349	PG349	1373.89	4793.44	Apas-Balang	—	Dt	30	B.	R	C	F	W	Oil palm plant.
350	PG350	1373.61	4793.27	Apas-Balang	—	Dt	30	B.	R	C	F	W	Farm
351	PG351	1373.63	4793.72	Apas-Balang	—	Dt	30	L.B.	R	S	F	D	Farm
352	PG352	1373.01	4793.08	Apas-Balang	—	Dt	30	B.	R	C	F	W	Farm
353	PG353	1373.18	4793.53	Apas-Balang	—	Dt	30	B.	R	C	F	W	Bush
354	PG354	1373.89	4794.03	Apas-Balang	—	Dt	30	L.B.	R	S	F	D	Oil palm plant.
355	PG355	1373.82	4794.81	Apas-Balang	—	Dt	30	R.B.	R	C	F	D	Oil palm plant.
356	PG356	1373.51	4794.13	Apas-Balang	—	Dt	40	B.	R	C	F	W	Oil palm plant.
357	PG357	1373.49	4794.62	Apas-Balang	—	Dt	30	Y.B.	R	S	F	W	Cocoa plantation
358	PG358	1373.82	4795.22	Apas-Balang	—	Dt	40	L.B.	R	S	F	D	Oil palm plant.
359	PG359	1373.31	4795.04	Apas-Balang	—	Dt	40	L.B.	R	S	F	D	Oil palm plant.
360	PG360	1373.52	4795.47	Apas-Balang	—	Dt	30	L.G.	R	S	F	W	Oil palm plant.

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
361	PG361	1373.18	4795.89	Apas-Balang	—	Dt	40	B.	F	C	F	W	Bush
362	PG362	1372.65	4785.56	Tawau North	—	Dt	40	D.B.	F	C	F	W	Cocoa plantation
363	PG363	1372.23	4785.40	Tawau North	—	Dt	40	D.B.	F	C	F	W	Cocoa plantation
364	PG364	1372.33	4786.02	Tawau North	—	Dt	40	B.	R	S	M	W	Cocoa plantation
365	PG365	1372.38	4786.52	Tawau North	andesite	An_1	40	G.B.	R	S	M	D	Cocoa plantation
366	PG366	1372.13	4786.89	Tawau North	—	Dt	40	Y.B.	R	C	M	W	Cocoa plantation
367	PG367	1372.83	4787.54	Tawau North	andesite	An_1	30	G.	F	S	F	D	Cocoa plantation
368	PG368	1372.38	4787.23	Tawau North	—	Dt	30	D.B.	R	C	M	W	Cocoa plantation
369	PG369	1372.47	4787.56	Tawau North	—	Dt	30	B.	F	S	M	D	Cocoa plantation
370	PG370	1372.38	4787.88	Apas-Balang	—	Dt	40	B.	R	S	F	W	Cocoa plantation
371	PG371	1372.12	4787.40	Tawau North	—	Dt	30	B.	R	C	M	W	Cocoa plantation
372	PG372	1372.12	4787.72	Tawau North	—	Dt	30	B.	F	S	S	D	Cocoa plantation
373	PG373	1372.92	4788.33	Apas-Balang	—	Dt	40	B.	R	C	F	W	Rubber plant.
374	PG374	1372.83	4788.86	Apas-Balang	—	Dt	40	L.G.	R	S	F	W	Rubber plant.
375	PG375	1372.49	4788.29	Apas-Balang	—	Dt	40	D.B.	R	S	F	D	Rubber plant.
376	PG376	1372.42	4788.74	Apas-Balang	—	Dt	30	D.B.	R	C	F	W	Rubber plant.
377	PG377	1372.29	4788.08	Apas-Balang	—	Dt	40	D.B.	R	C	M	W	Rubber plant.
378	PG378	1372.16	4788.29	Apas-Balang	—	Dt	30	L.B.	R	C	F	W	Rubber plant.
379	PG379	1371.98	4788.72	Apas-Balang	—	An_1	30	L.B.	R	S	F	D	Oil palm plant.
380	PG380	1372.48	4789.32	Apas-Balang	—	Dt	30	R.B.	R	S	M	D	Cocoa plantation
381	PG381	1372.53	4789.89	Apas-Balang	—	Dt	30	D.B.	R	C	M	D	Cocoa plantation
382	PG382	1371.97	4789.32	Apas-Balang	—	Dt	30	D.B.	R	S	M	D	Cocoa plantation
383	PG383	1372.70	4790.53	Apas-Balang	—	Dt	40	B.	R	C	F	W	Oil palm plant.
384	PG384	1372.20	4790.55	Apas-Balang	—	Dt	40	L.B.	R	C	M	D	Oil palm plant.
385	PG385	1372.77	4791.08	Apas-Balang	—	Dt	40	L.B.	R	C	M	W	Oil palm plant.
386	PG386	1372.69	4791.73	Apas-Balang	—	Dt	40	B.	R	C	F	W	Farm
387	PG387	1372.40	4791.69	Apas-Balang	—	Dt	30	L.B.	R	S	F	D	Farm
388	PG388	1372.02	4791.73	Apas-Balang	—	Dt	40	B.	F	C	M	W	Farm
389	PG389	1372.76	4792.32	Apas-Balang	—	Dt	40	B.	R	C	F	W	Farm
390	PG390	1372.22	4792.29	Apas-Balang	—	Dt	40	L.B.	R	C	M	W	Farm

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
391	PG391	1372.90	4793.83	Apas-Balang	—	Dt	30	D.B.	R	C	M	D	Coffee plant.
392	PG392	1372.57	4793.08	Apas-Balang	—	Dt	30	D.B.	R	C	F	W	Farm
393	PG393	1372.08	4793.13	Apas-Balang	—	Dt	30	D.B.	F	C	M	W	Farm
394	PG394	1372.14	4793.78	Apas-Balang	—	Dt	30	L.B.	R	S	M	D	Farm
395	PG395	1372.64	4794.53	Apas-Balang	—	Dt	30	G.	R	C	F	W	No vesitation
396	PG396	1372.62	4794.93	Apas-Balang	—	Dt	30	B.	R	C	M	W	Cocoa plantation
397	PG397	1372.36	4794.19	Apas-Balang	—	Dt	30	D.B.	R	C	F	W	Bush
398	PG398	1372.84	4795.51	Apas-Balang	—	Dt	40	B.	R	C	F	W	Bush
399	PG399	1372.42	4795.50	Apas-Balang	—	Dt	30	L.B.	F	S	F	W	Palm oil plant.
400	PG400	1372.48	4795.92	Apas-Balang	—	Dt	30	L.B.	R	S	F	D	Palm oil plant.
401	PG401	1372.09	4795.20	Apas-Balang	—	Dt	30	R.B.	F	C	F	W	Bush
402	PG402	1371.84	4785.12	Tawau North	—	Dt	40	D.B.	F	C	F	W	Cocoa plantation
403	PG403	1371.23	4785.13	Tawau North	—	Dt	30	R.B.	F	C	M	D	Bush
404	PG404	1371.53	4785.49	Tawau North	—	Dt	30	Y.B.	F	C	M	W	Cocoa plantation
405	PG405	1371.80	4786.02	Tawau North	—	Dt	30	D.B.	F	S	M	W	Cocoa plantation
406	PG406	1371.78	4786.70	Tawau North	and. boulder	Dt	40	R.B.	R	C	F	D	Cocoa plantation
407	PG407	1371.63	4786.97	Tawau North	—	Dt	40	B.	R	C	S	W	Cocoa plantation
408	PG408	1371.38	4785.99	Tawau North	—	Dt	40	Y.B.	R	C	M	W	Firm
409	PG409	1371.39	4786.46	Tawau North	—	Dt	40	R.B.	F	C	M	W	Bush
410	PG410	1371.43	4786.86	Tawau North	—	Dt	40	R.B.	F	C	M	W	Bush
411	PG411	1371.06	4786.46	Tawau North	—	An_1	40	Y.B.	R	S	M	D	Cocoa plantation
412	PG412	1370.97	4786.99	Tawau North	—	Dt	40	R.B.	R	C	M	W	Rubber plant.
413	PG413	1371.92	4787.13	Tawau North	—	Dt	40	B.	R	C	M	W	Cocoa plantation
414	PG414	1371.68	4787.38	Tawau North	—	Dt	40	B.	R	C	M	W	Cocoa plantation
415	PG415	1371.66	4787.71	Tawau North	—	Dt	30	B.	R	C	F	W	Cocoa plantation
416	PG416	1371.96	4787.94	Apas-Balang	—	Dt	40	B.	R	C	M	W	Oil palm plant.
417	PG417	1371.42	4787.13	Tawau North	—	Dt	40	B.	R	C	S	W	Farm
418	PG418	1371.33	4787.48	Tawau North	—	An_1	40	B.	R	C	S	W	Bush
419	PG419	1371.06	4787.26	Tawau North	—	An_2	30	B.	F	S	S	D	Cocoa plantation
420	PG420	1371.17	4787.76	Tawau North	—	An_1	30	L.B.	M	S	S	D	Bush

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Area: Sungai Apas Area (Area G)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
421	PG421	1371.60	4788.24	Apas-Balang	—	An_1	30	B.	F	C	S	W	Bush
422	PG422	1371.49	4788.70	Apas-Balang	—	An_1	40	Y.B.	F	C	M	D	Bush
423	PG423	1371.07	4788.22	Apas-Balang	—	An_1	30	B.	F	C	M	W	Rubber plant.
424	PG424	1371.11	4788.93	Apas-Balang	—	An_1	40	Y.B.	F	C	F	D	Rubber plant.
425	PG425	1371.84	4789.83	Apas-Balang	—	Dt	30	D.B.	R	S	M	D	Rubber plant.
426	PG426	1371.32	4789.83	Apas-Balang	—	Dt	30	R.B.	R	C	M	D	Cocoa plantation
427	PG427	1371.82	4790.54	Apas-Balang	—	Dt	40	L.B.	R	C	M	W	Cocoa plantation
428	PG428	1371.38	4790.69	Apas-Balang	—	Dt	40	L.B.	R	C	M	W	Fruit plantation
429	PG429	1371.14	4790.33	Apas-Balang	—	Dt	40	R.B.	R	S	M	D	Rubber plant.
430	PG430	1371.42	4791.21	Apas-Balang	—	Dt	40	L.B.	F	S	M	W	Cocoa plantation
431	PG431	1371.63	4791.73	Apas-Balang	—	Dt	40	B.	F	S	M	W	Rubber plant.
432	PG432	1371.08	4791.03	Apas-Balang	—	Dt	30	L.B.	F	S	M	W	Cocoa plantation
433	PG433	1371.21	4791.42	Apas-Balang	—	Dt	30	L.B.	R	S	F	D	Bush
434	PG434	1371.14	4791.78	Apas-Balang	—	Dt	40	B.	R	S	F	D	Oil palm plant.
435	PG435	1371.75	4792.26	Apas-Balang	—	Dt	30	R.B.	F	C	M	W	Bush
436	PG436	1371.69	4792.78	Apas-Balang	—	Dt	30	L.G.	F	S	F	D	Grass
437	PG437	1371.45	4792.54	Apas-Balang	—	Dt	30	D.B.	R	C	M	W	Grass
438	PG438	1371.13	4792.43	Apas-Balang	—	Dt	30	D.B.	R	C	M	W	Oil palm plant.
439	PG439	1371.26	4792.83	Apas-Balang	—	Dt	40	L.B.	R	S	F	D	Cocoa plantation
440	PG440	1371.59	4793.32	Apas-Balang	—	Dt	30	D.B.	R	S	M	W	Cocoa plantation
441	PG441	1371.62	4793.79	Apas-Balang	—	Dt	40	L.G.	R	S	F	D	Grass
442	PG442	1371.72	4794.18	Apas-Balang	—	Dt	40	B.	R	C	F	W	Cocoa plantation
443	PG443	1371.29	4794.25	Apas-Balang	—	Dt	30	D.B.	R	S	F	D	Rubber plant.
444	PG444	1371.70	4795.50	Apas-Balang	—	Dt	30	L.G.	R	S	F	D	Bush
445	PG445	1371.31	4795.82	Apas-Balang	—	Dt	40	L.G.	R	S	F	D	Bush
446	PG446	1370.77	4785.15	Tawau North	—	Dt	40	R.B.	R	C	M	D	Rubber plant.
447	PG447	1370.87	4785.58	Tawau North	—	Dt	40	R.B.	R	C	M	D	Rubber plant.
448	PG448	1370.54	4785.77	Tawau North	—	Dt	40	D.B.	R	C	M	D	Cocoa plantation
449	PG449	1370.28	4785.13	Tawau North	—	Dt	40	D.B.	R	S	M	D	Rubber plant.
450	PG450	1370.36	4785.57	Tawau North	—	Dt	40	D.B.	R	S	F	D	Coconut plant.

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
451	PG451	1370.83	4786.15	Tawau North	—	Dt	40	D.B.	R	S	M	D	Cocoa plantation
452	PG452	1370.82	4786.66	Tawau North	—	Dt	40	R.B.	R	C	M	W	Cocoa plantation
453	PG453	1370.49	4786.43	Tawau North	—	Dt	40	R.B.	R	C	M	W	Rubber plant.
454	PG454	1370.51	4786.77	Tawau North	—	Dt	40	R.B.	R	C	M	W	Rubber plant.
455	PG455	1370.46	4786.97	Tawau North	—	Dt	40	R.B.	R	C	M	W	Cocoa plantation
456	PG456	1370.19	4786.18	Tawau North	—	Dt	40	R.B.	R	C	M	W	Cocoa plantation
457	PG457	1370.20	4786.58	Tawau North	—	Dt	40	R.B.	R	C	M	W	Cocoa plantation
458	PG458	1370.19	4786.88	Tawau North	—	Dt	40	R.B.	R	C	M	D	Cocoa plantation
459	PG459	1370.75	4787.02	Tawau North	—	Dt	40	Y.B.	R	C	M	W	Rubber plant.
460	PG460	1370.73	4787.55	Tawau North	—	Dt	40	Y.B.	R	S	M	W	Rubber plant.
461	PG461	1370.51	4788.03	Apas-Balang	—	Dt	40	Y.B.	R	S	F	D	Rubber plant.
462	PG462	1370.36	4787.50	Tawau North	—	Dt	40	R.B.	R	S	M	D	Rubber plant.
463	PG463	1370.13	4787.19	Tawau North	—	Dt	40	D.B.	R	C	M	D	Rubber plant.
464	PG464	1369.98	4787.55	Apas-Balang	—	Dt	40	Y.B.	R	S	M	D	Rubber plant.
465	PG465	1370.13	4787.93	Apas-Balang	—	Dt	40	Y.B.	R	S	F	D	Rubber plant.
466	PG466	1370.83	4788.54	Apas-Balang	—	Dt	30	L.B.	F	S	M	D	Rubber plant.
467	PG467	1370.53	4788.85	Apas-Balang	—	Dt	30	L.B.	R	S	F	D	Rubber plant.
468	PG468	1370.31	4788.40	Apas-Balang	—	Dt	40	Y.B.	R	S	F	D	Rubber plant.
469	PG469	1370.29	4788.96	Apas-Balang	—	Dt	30	D.B.	F	C	M	W	Bush
470	PG470	1370.08	4789.28	Apas-Balang	—	Dt	30	B.	F	C	M	W	Bush
471	PG471	1370.33	4789.63	Apas-Balang	—	Dt	30	L.G.	R	S	F	D	Bush
472	PG472	1370.71	4790.06	Apas-Balang	—	Dt	40	Y.B.	R	S	M	D	Rubber plant.
473	PG473	1370.31	4790.39	Apas-Balang	—	Dt	30	Y.B.	R	C	F	D	Cocoa plantation
474	PG474	1370.77	4791.25	Apas-Balang	—	Dt	40	L.B.	F	S	M	W	Oil palm plant.
475	PG475	1370.87	4791.52	Apas-Balang	—	Dt	30	L.B.	F	S	M	W	Cocoa plantation
476	PG476	1370.63	4791.73	Apas-Balang	—	Dt	30	Y.B.	R	S	F	D	Cocoa plantation
477	PG477	1370.40	4791.84	Apas-Balang	—	Dt	30	Y.B.	R	C	M	W	Cocoa plantation
478	PG478	1370.29	4791.28	Apas-Balang	—	Dt	30	L.B.	R	S	M	D	Oil palm plant.
479	PG479	1370.17	4791.61	Apas-Balang	—	Dt	30	L.B.	R	C	F	D	Oil palm plant.
480	PG480	1370.13	4791.94	Apas-Balang	—	Dt	30	Y.B.	R	C	M	W	Cocoa plantation

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
481	PG481	1370.86	4791.95	Apas-Balang	—	Dt	30	B.	R	C	M	W	Oil palm plant.
482	PG482	1370.87	4792.34	Apas-Balang	—	Dt	40	L.B.	R	S	F	D	Rubber plant.
483	PG483	1370.86	4792.63	Apas-Balang	—	Dt	40	B.	R	S	M	D	Cocoa plantation
484	PG484	1370.94	4793.03	Apas-Balang	—	Dt	40	L.G.	R	S	F	D	Cocoa plantation
485	PG485	1370.57	4792.15	Apas-Balang	—	Dt	40	L.B.	R	S	M	D	No vegitation
486	PG486	1370.47	4792.53	Apas-Balang	—	Dt	30	L.B.	R	S	F	W	Oil palm plant.
487	PG487	1370.64	4792.92	Apas-Balang	—	Dt	30	B.	R	S	F	W	No vegitation
488	PG488	1370.33	4792.89	Apas-Balang	—	Dt	30	L.B.	R	S	M	D	Coconut plant.
489	PG489	1370.20	4792.33	Apas-Balang	—	Dt	30	L.G.	R	C	F	W	Coconut plant.
490	PG490	1370.17	4792.19	Apas-Balang	—	Dt	30	G.	R	C	F	W	Coconut plant.
491	PG491	1370.65	4793.22	Apas-Balang	—	Dt	40	G.	R	S	F	D	No vegitation
492	PG492	1370.37	4793.23	Apas-Balang	—	Dt	30	D.B.	R	C	F	W	Coconut plant.
493	PG493	1370.43	4794.09	Apas-Balang	—	Dt	40	G.	R	C	F	W	Cocoa plantation
494	PG494	1370.80	4794.41	Apas-Balang	—	Dt	40	L.B.	R	S	F	D	Bush
495	PG495	1370.23	4795.47	Apas-Balang	—	Dt	40	G.	R	C	F	W	Coconut plant.
496	PG496	1370.47	4795.79	Apas-Balang	—	Q_2	40	D.G.	R	S	F	W	Coconut plant.
497	PG497	1369.81	4785.22	Tawau North	—	An_1	40	D.B.	R	S	M	D	Cocoa plantation
498	PG498	1369.90	4785.79	Tawau North	—	An_1	40	D.B.	R	S	M	D	Coconut plant.
499	PG499	1369.38	4785.28	Tawau North	—	An_1	40	D.B.	M	S	S	D	Forest
500	PG500	1369.41	4785.84	Tawau North	—	An_1	40	D.B.	M	S	S	D	Forest
501	PG501	1369.93	4786.29	Tawau North	—	Dt	40	D.B.	R	C	M	D	Cocoa plantation
502	PG502	1369.94	4786.58	Tawau North	—	Dt	40	D.B.	R	S	M	D	Cocoa plantation
503	PG503	1369.40	4786.28	Tawau North	weathered and.	An_1	40	D.B.	M	S	M	D	Forest
504	PG504	1369.28	4786.65	Tawau North	—	Dt	40	R.B.	R	C	M	D	Cocoa plantation
505	PG505	1369.62	4786.83	Tawau North	—	Dt	40	R.B.	R	C	F	D	Rubber plant.
506	PG506	1369.83	4787.09	Tawau North	—	Dt	40	Y.B.	R	S	F	D	Rubber plant.
507	PG507	1369.72	4787.54	Tawau North	—	Dt	40	D.B.	R	S	M	D	Rubber plant.
508	PG508	1369.77	4787.93	Apas-Balang	—	Dt	40	Y.B.	R	S	F	D	Rubber plant.
509	PG509	1369.48	4787.13	Tawau North	—	Dt	40	D.B.	R	S	F	D	Rubber plant.
510	PG510	1369.41	4787.45	Tawau North	andesite	An_1	30	Y.B.	F	S	S	D	Cocoa plantation

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
511	PG511	1369.46	4787.95	Apas-Balang	—	Dt	40	R.B.	R	C	M	W	Rubber plant.
512	PG512	1369.01	4787.14	Tawau North	—	Dt	40	B.	R	C	M	W	Cocoa plantation
513	PG513	1369.12	4787.44	Tawau North	—	Dt	40	G.	F	C	M	W	Cocoa plantation
514	PG514	1369.08	4787.89	Apas-Balang	—	Dt	40	B.	R	C	M	W	Rubber plant.
515	PG515	1369.87	4788.30	Apas-Balang	—	Dt	40	R.B.	R	C	M	W	Rubber plant.
516	PG516	1369.93	4788.74	Apas-Balang	—	Dt	30	B.	F	C	F	W	Bush
517	PG517	1369.53	4788.40	Apas-Balang	—	Dt	30	L.B.	F	S	F	D	Coconut plant.
518	PG518	1369.57	4788.83	Apas-Balang	—	Dt	40	Y.B.	R	S	M	D	Cocoa plantation
519	PG519	1369.20	4788.13	Apas-Balang	—	Dt	40	R.B.	R	C	M	D	Rubber plant.
520	PG520	1369.20	4788.39	Apas-Balang	—	Dt	30	L.B.	R	C	M	W	Bush
521	PG521	1369.25	4788.69	Apas-Balang	—	Dt	30	L.B.	F	S	M	W	Coconut plant.
522	PG522	1369.13	4788.98	Apas-Balang	—	Dt	30	Y.B.	R	C	F	W	Cocoa plantation
523	PG523	1369.63	4789.35	Apas-Balang	—	Dt	40	L.B.	F	S	F	D	Cocoa plantation
524	PG524	1369.23	4789.37	Apas-Balang	—	Dt	30	L.B.	F	S	F	W	Bush
525	PG525	1369.69	4790.21	Apas-Balang	—	Dt	30	L.B.	R	C	M	D	Cocoa plantation
526	PG526	1369.26	4790.50	Apas-Balang	—	Dt	40	D.B.	F	S	F	D	Cocoa plantation
527	PG527	1369.48	4790.96	Apas-Balang	—	Dt	40	B.	R	S	F	D	Fruit plantation
528	PG528	1369.81	4791.36	Apas-Balang	—	Dt	30	Y.B.	R	S	F	D	Cocoa plantation
529	PG529	1369.27	4791.69	Apas-Balang	—	Dt	40	D.B.	R	S	F	W	Coconut plant.
530	PG530	1369.86	4791.99	Apas-Balang	—	Dt	30	D.B.	R	S	M	W	Coconut plant.
531	PG531	1369.82	4792.39	Apas-Balang	—	Dt	40	B.	R	S	F	D	Cocoa plantation
532	PG532	1369.70	4792.76	Apas-Balang	—	Dt	40	Y.B.	F	S	F	W	Coconut plant.
533	PG533	1369.38	4793.17	Apas-Balang	—	Q_2	40	L.G.	R	S	F	W	Coconut plant.
534	PG534	1369.57	4793.62	Apas-Balang	—	Q_2	40	L.B.	F	S	F	W	Coconut plant.
535	PG535	1369.66	4794.09	Apas-Balang	—	Q_2	40	L.G.	R	S	F	W	Coconut plant.
536	PG536	1369.73	4794.62	Apas-Balang	—	Q_2	40	L.G.	R	S	F	W	Coconut plant.
537	PG537	1368.58	4785.20	Tawau	andesite	An_1	30	D.B.	M	S	S	D	Forest
538	PG538	1368.57	4785.83	Tawau	andesite	An_1	30	D.B.	M	S	S	D	Forest
539	PG539	1368.12	4785.21	Tawau	andesite	An_1	40	D.B.	M	S	S	D	Forest
540	PG540	1368.17	4785.87	Tawau	andesite	An_1	30	D.B.	M	S	S	D	Forest

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Area: Sungai Apas Area (Area G)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
541	PG541	1368.69	4786.27	Tawau	andesite	An_2	30	D.B.	M	S	S	D	Forest
542	PG542	1368.41	4786.83	Tawau	andesite	An_1	30	D.B.	M	S	S	D	Forest
543	PG543	1368.18	4786.40	Tawau	andesite	An_1	40	D.B.	M	S	S	D	Forest
544	PG544	1368.69	4787.62	Tawau	—	An_1	40	B.	R	C	M	W	Cocoa plantation
545	PG545	1368.34	4787.53	Tawau	andesite	An_1	40	D.B.	R	C	S	D	Cocoa plantation
546	PG546	1368.79	4788.13	Apas-Balang	—	Dt	40	B.	F	S	M	D	Cocoa plantation
547	PG547	1368.87	4788.55	Apas-Balang	—	Dt	30	L.G.	R	S	M	D	Coffee plant.
548	PG548	1368.82	4788.92	Apas-Balang	—	Dt	30	L.B.	F	S	M	D	Coconut plant.
549	PG549	1368.49	4788.84	Apas-Balang	—	Dt	40	L.B.	F	S	M	W	Cocoa plantation
550	PG550	1368.17	4788.19	Apas-Balang	—	An_1	30	L.G.	R	S	S	D	Firm
551	PG551	1368.13	4788.69	Apas-Balang	—	An_1	40	B.	F	C	M	W	Bush
552	PG552	1368.22	4789.28	Apas-Balang	—	Dt	30	L.B.	F	S	M	D	Coconut plant.
553	PG553	1368.57	4789.80	Apas-Balang	—	Dt	30	D.B.	F	S	F	W	Cocoa plantation
554	PG554	1368.28	4789.14	Apas-Balang	—	Q_2	30	L.B.	R	S	M	W	Cocoa plantation
555	PG555	1368.13	4789.63	Apas-Balang	—	Q_2	40	L.B.	R	S	F	D	Coconut plant.
556	PG556	1368.90	4790.18	Apas-Balang	—	Dt	40	B.	F	S	F	D	Cocoa plantation
557	PG557	1368.48	4790.29	Apas-Balang	—	Dt	30	B.	R	S	F	D	Coconut plant.
558	PG558	1368.26	4790.93	Apas-Balang	—	Q_2	40	L.B.	F	C	F	W	Coconut plant.
559	PG559	1368.49	4791.28	Apas-Balang	—	Q_2	40	D.B.	R	S	F	D	Coconut plant.
560	PG560	1367.50	4785.11	Tawau North	andesite	An_1	40	D.B.	M	S	S	D	Cocoa plantation
561	PG561	1367.45	4785.54	Tawau North	andesite	An_1	30	D.B.	M	S	F	D	Forest
562	PG562	1367.14	4785.82	Tawau North	weathered and.	An_1	30	G.W.	M	S	M	D	Forest
563	PG563	1367.66	4786.36	Tawau North	andesite	An_1	30	D.B.	M	S	M	D	Forest
564	PG564	1367.08	4786.29	Tawau North	andesite	An_1	30	D.B.	M	S	M	D	Forest
565	PG565	1367.66	4787.13	Tawau North	andesite	An_1	30	D.B.	M	S	F	D	Forest
566	PG566	1367.21	4787.12	Tawau North	andesite	An_1	30	D.B.	M	S	F	D	Forest
567	PG567	1367.77	4788.28	Apas-Balang	andesite	An_1	30	G.	F	C	S	D	Firm
568	PG568	1367.35	4788.29	Apas-Balang	—	An_1	30	D.B.	M	C	S	W	Bush
569	PG569	1367.38	4788.73	Apas-Balang	—	An_1	30	D.G.	F	C	S	W	Coconut plant.
570	PG570	1367.64	4789.13	Apas-Balang	—	An_1	30	D.G.	F	C	M	D	Coconut plant.

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
571	PG571	1367.59	4789.60	Apas-Balang	—	Q_2	40	L.B.	R	S	F	D	Coconut plant.
572	PG572	1368.05	4790.13	Apas-Balang	—	Dt	40	L.B.	F	S	F	D	Coconut plant.
573	PG573	1367.98	4790.47	Apas-Balang	—	Q_2	40	D.B.	F	S	F	W	Coconut plant.
574	PG574	1367.76	4790.04	Apas-Balang	—	Q_2	40	B.	R	C	F	W	Coconut plant.
575	PG575	1366.30	4785.32	Tawau	weathered and.	An_1	30	D.B.	M	S	M	D	Coconut plant.
576	PG576	1366.45	4785.87	Tawau	weathered and.	An_1	30	D.B.	M	S	M	D	Coconut plant.
577	PG577	1366.62	4786.52	Tawau	and. boulder	An_1	30	D.B.	M	S	M	D	Coconut plant.
578	PG578	1366.68	4787.06	Tawau	andesite	An_1	30	G.W.	M	S	M	D	Cocoa plantation
579	PG579	1366.70	4787.47	Tawau	andesite	An_1	30	G.W.	M	S	F	D	Cocoa plantation
580	PG580	1366.33	4787.73	Tawau	andesite	An_1	30	D.B.	M	S	F	D	Cocoa plantation
581	PG581	1366.97	4788.29	Apas-Balang	—	An_1	30	D.B.	F	C	S	D	Bush

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Appendix 40

Analytical results of soil
geochemical samples in Area G

List of Geochemical Analysis(1)

Ser. No.	Sample No.	Location(km) X-coord	Y-coord	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm
1	PG001	4785.150	1382.120	11	1>	137	24	49	30	44	.66	.46	61	2	.19	19	2>	.051	.9	16	.46	1.8	2>	47
2	PG002	4785.440	1382.360	1>	1>	151	27	59	21	54	.40	.44	641	1	.26	31	2>	.052	2.6	24	.81	3.2	2>	35
3	PG003	4785.970	1382.390	820	1>	103	20	26	28	130	.07	.05	2242	4	.20	16	2>	.082	.2>	11	.75	3.4	11	41
4	PG004	4786.160	1382.180	153	1>	56	8	34	29	77	.07	.02	5>	3	.21	13	2>	.091	.2>	6	.66	3.0	2>	36
5	PG005	4786.560	1382.050	70	1>	39	9	54	32	127	.09	.03	5>	4	.25	15	2>	.097	2.3	9	.95	3.6	2>	36
6	PG006	4786.690	1382.320	8	1>	55	10	32	30	64	.08	.04	5>	4	.20	14	3	.069	1.9	7	.83	2.6	2>	44
7	PG007	4786.920	1382.090	23	1>	109	17	55	33	74	.10	.10	5>	4	.20	22	2>	.066	1.8	23	.83	2.2	3	49
8	PG008	4787.360	1382.280	8	11	36	10	35	28	45	.10	.03	5>	4	.22	12	2>	.087	1.7	5	.89	3.4	2>	37
9	PG009	4788.040	1382.160	61	1>	104	35	37	27	63	.09	.10	30	4	.20	17	2>	.064	7.9	14	1.11	3.8	2>	60
10	PG010	4788.220	1382.250	14	1>	91	33	54	40	88	.13	.11	287	2	.20	23	2>	.089	.2>	8	.79	3.0	2>	61
11	PG011	4789.190	1382.230	1>	1>	33	11	35	27	112	.12	.06	5>	5	.19	16	2>	.087	4.2	8	.96	3.4	2>	42
12	PG012	4789.670	1382.280	7	1>	19	6	31	22	90	.05	.02	5>	3	.22	12	2>	.138	1.3	3	.79	3.6	2>	36
13	PG013	4790.070	1382.210	2	1>	20	1>	37	31	58	.04	.08	5>	3	.19	13	2>	.082	.2>	5	1.06	3.2	2>	32
14	PG014	4790.750	1382.270	1>	1>	82	62	188	47	219	.08	.07	1458	3	.19	83	2>	.192	4.1	13	2.33	1.0	2>	166
15	PG015	4791.160	1382.160	1>	1>	118	100	191	61	233	.09	.03	5712	3	.16	90	2>	.170	13.4	6	2.55	.8	2>	199
16	PG016	4791.730	1382.200	1>	1>	127	102	186	31	106	.06	.13	5127	2	.11	39	14	.050	24.6	29	5.15	4.4	4	96
17	PG017	4792.410	1382.370	6	1>	17	6	50	18	159	.03	.04	5>	4	.13	12	2>	.064	3.5	10	1.72	3.8	2>	30
18	PG018	4792.940	1382.340	1>	1>	16	7	46	16	279	.04	.05	5>	3	.16	12	2>	.055	8.9	11	1.82	3.6	2>	29
19	PG019	4793.430	1382.330	1>	1>	16	9	42	14	329	.03	.04	5>	3	.15	9	2>	.060	4.4	10	1.65	3.6	2>	30
20	PG020	4793.900	1382.380	1>	1>	24	9	36	15	167	.05	.06	5>	3	.11	10	7	.048	5.2	12	1.44	4.6	2>	25
21	PG021	4785.220	1381.560	1>	1>	98	7	52	24	60	.17	.20	5>	1	.14	16	2>	.034	4.0	25	.55	2.0	2>	38
22	PG022	4785.750	1381.940	1615	1>	316	12	25	46	62	.08	.05	2011	1>	.19	22	2>	.074	.2>	19	.62	2.8	37	51
23	PG023	4785.660	1381.620	24	1>	78	7	37	17	55	.05	.05	5>	2	.14	14	2>	.059	.2>	32	.49	2.0	2>	30
24	PG024	4785.540	1381.220	3	1>	197	7	35	30	15	.98	.31	5>	1>	.14	13	2>	.029	.5	22	.35	1.6	2>	38
25	PG025	4785.840	1381.090	1>	1>	43	4	44	26	45	.21	.31	5>	2	.12	12	2>	.038	1.1	12	.43	2.0	2>	37
26	PG026	4786.140	1381.560	23	1>	25	8	49	33	116	.04	.04	5>	5	.18	16	2>	.078	.2>	6	.94	4.0	2>	48
27	PG027	4786.750	1381.890	12	1>	52	8	60	35	92	.07	.02	5>	2	.20	15	2>	.075	2.0	6	.84	3.6	2>	38
28	PG028	4786.900	1381.660	22	1>	40	9	46	31	121	.11	.05	5>	3	.20	21	2>	.090	.2>	7	.99	3.6	2>	51
29	PG029	4787.040	1381.790	98	1>	78	20	50	23	411	.09	.14	5>	3	.12	17	2>	.070	1.2	14	1.19	3.8	2>	54
30	PG030	4786.870	1381.510	153	1>	185	31	637	28	170	.19	.32	852	2	.19	121	8	.116	15.8	30	.83	2.6	2>	53
31	PG031	4786.790	1381.350	39	1	137	59	137	28	324	.16	.35	1505	2	.14	38	5	.054	.2>	23	.91	2.6	2>	75
32	PG032	4786.890	1381.200	86	1>	120	34	727	29	165	.21	.28	298	2	.18	199	17	.091	23.8	36	1.13	3.2	2>	68
33	PG033	4786.360	1381.110	11	1>	192	20	92	29	54	1.16	.83	315	2	.40	26	8	.052	1.9	66	.35	1.6	2>	44
34	PG034	4786.440	1380.470	23	1>	32	7	50	27	60	.17	.34	5>	1>	.14	18	3	.040	.2>	7	.40	2.4	2>	40
35	PG035	4786.670	1380.990	12	1>	33	8	96	37	28	.30	.71	5>	2	.17	29	2>	.034	1.9	7	.48	2.0	2>	36
36	PG036	4787.370	1381.810	152	1>	20	1>	37	22	169	.04	.01	5>	2	.18	12	12	.078	7.6	7	.79	3.8	2>	27
37	PG037	4787.190	1381.550	74	1>	158	13	91	29	51	.18	.47	5>	1>	.27	39	6	.090	19.2	34	.61	1.6	19	43
38	PG038	4787.330	1381.280	427	1>	41	13	57	36	185	.17	.06	5>	2	.19	19	2>	.160	25.5	6	.90	3.2	2>	55
39	PG039	4787.810	1381.380	678	1>	51	8	33	36	95	.08	.03	5>	2	.22	13	2>	.152	7.2	7	.86	2.6	2>	45
40	PG040	4787.100	1380.990	337	1>	38	6	54	35	132	.11	.06	5>	3	.20	17	2>	.127	8.7	11	.93	3.2	2>	47
41	PG041	4787.900	1380.950	84	1>	52	8	49	26	140	.07	.06	5>	4	.18	21	2>	.064	4.1	9	1.15	4.2	2>	50
42	PG042	4788.240	1381.620	23	1>	204	20	61	37	111	.11	.06	79	2	.17	24	10	.090	.2>	16	1.10	3.0	2>	60
43	PG043	4788.640	1381.570	11	1>	83	6	69	31	101	.24	.48	5>	4	.16	21	2>	.098	7.0	23	.86	2.6	2>	35
44	PG044	4789.030	1381.630	1>	1>	20	13	50	36	120	.04	.06	5>	5	.22	16	2>	.069	2.6	4	1.08	3.0	2>	48
45	PG045	4788.550	1381.260	16	1>	120	25	76	34	77	.51	.51	1084	1	.20	27	7	.053	3.7	33	.89	2.4	2>	60
46	PG046	4788.930	1381.230	2	1>	32	7	30	13	69	.05	.20	76	1	.08	8	3	.045	3.0	8	.94	2.6	2>	35
47	PG047	4789.500	1381.800	9	1>	32	11	40	30	95	.11	.03	5>	2	.22	14	2>	.109	2.1	4	.99	3.6	2>	47
48	PG048	4789.350	1381.380	1>	1>	32	9	48	33	107	.07	.07	5>	3	.20	15	2>	.063	.3	5	1.11	3.2	2>	45
49	PG049	4789.720	1381.230	1>	1>	26	11	29	27	113	.06	.11	5>	2	.14	10	2>	.046	.2>	4	1.00	3.4	2>	39
50	PG050	4789.910	1381.580	2	1>	33	16	54	41	129	.04	.05	5>	2	.25	17	2>	.084	.2>	7	1.04	3.2	2>	52

List of Geochemical Analysis(2)

Ser. No.	Sample No.	Location (km) X-coord	Location (km) Y-coord	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm
51	PG051	4790.100	1381.880	10	1>	38	14	137	33	99	.26	.06	5>	3	.20	40	2>	.070	.2>	7	1.02	3.2	2>	53
52	PG052	4790.260	1381.660	2	1>	56	30	61	43	81	.09	.10	5>	3	.17	17	2>	.089	2.8	16	1.44	3.4	2>	61
53	PG053	4790.470	1381.800	15	1	66	41	76	14	112	.07	.14	476	1	.09	16	12	.060	12.1	33	2.17	3.0	2>	39
54	PG054	4790.930	1381.820	1>	1>	82	50	199	51	241	.09	.02	575	3	.22	94	2>	.172	4.1	8	2.47	.8	2>	169
55	PG055	4790.400	1381.370	20	1>	107	22	67	25	97	.38	.47	5>	1>	.25	28	2>	.050	2.1	28	.90	2.4	2>	61
56	PG056	4790.730	1381.500	1>	1>	148	98	199	53	282	.11	.04	7363	2	.25	96	2>	.166	10.7	8	2.90	1.0	2>	185
57	PG057	4790.630	1381.260	14	1>	83	15	73	22	135	.20	.38	5>	1>	.15	26	7	.058	.2>	23	1.09	2.4	2>	59
58	PG058	4790.200	1381.170	1>	1>	30	11	48	32	82	.04	.09	5>	2	.19	15	2>	.069	.5	4	1.06	3.6	2>	43
59	PG059	4790.430	1380.960	1	1>	23	9	46	34	102	.04	.08	5>	2	.15	15	2>	.062	4.0	9	1.18	3.2	2>	38
60	PG060	4791.120	1381.590	1>	1>	182	60	152	45	191	.09	.20	1980	2	.20	70	2>	.069	7.7	24	2.14	1.6	2>	130
61	PG061	4791.240	1381.610	1>	1	110	106	195	46	204	.07	.15	2598	2	.21	76	2>	.115	6.9	29	3.04	1.4	2>	180
62	PG062	4791.680	1381.550	42	1	59	5	66	37	239	.09	.21	5>	4	.17	19	2	.085	12.5	32	1.31	2.6	2>	42
63	PG063	4791.580	1381.160	17	1>	67	7	62	28	291	.08	.21	5>	1>	.13	10	2>	.070	13.4	41	1.11	2.6	2>	37
64	PG064	4791.880	1381.310	11	1>	67	3	48	40	148	.08	.15	5>	2	.16	11	8	.071	3.1	46	1.56	3.6	2>	35
65	PG065	4792.370	1381.860	18	1>	20	4	47	14	253	.04	.05	5>	2	.14	9	2>	.062	.2>	17	1.84	3.8	2>	25
66	PG066	4792.700	1381.590	1>	1>	19	3	48	14	326	.03	.06	5>	3	.14	10	2>	.066	7.0	17	2.11	4.2	2>	26
67	PG067	4792.290	1381.380	1>	1>	27	8	50	26	145	.05	.09	97	2	.11	11	2>	.071	6.3	24	1.83	4.4	2>	28
68	PG068	4792.730	1381.170	1>	1>	22	7	43	14	117	.06	.06	5>	2	.11	7	2>	.071	7.6	17	1.96	4.2	2>	21
69	PG069	4793.240	1381.770	1>	1>	26	5	42	18	230	.05	.06	5>	1	.13	10	2>	.060	3.4	15	1.80	4.0	2>	23
70	PG070	4793.770	1381.550	1>	1>	35	9	39	11	215	.05	.04	5>	1	.13	10	2>	.052	7.1	14	1.86	4.2	2>	23
71	PG071	4793.290	1381.160	1>	1	23	8	41	15	115	.06	.06	22	1	.11	9	2>	.076	11.0	19	2.04	4.0	2>	25
72	PG072	4793.810	1381.060	1>	1>	34	9	53	31	299	.04	.07	5>	2	.24	16	2>	.114	.2>	38	1.21	3.2	2>	24
73	PG073	4785.300	1380.780	1>	1>	247	22	40	41	53	1.09	1.10	905	1>	.79	19	2>	.084	6.3	142	.37	2.0	2>	51
74	PG074	4785.560	1380.310	1>	1>	199	19	44	22	96	.55	.22	1288	1	.15	18	9	.045	.2>	46	.52	3.8	2>	27
75	PG075	4786.420	1380.760	10	1>	163	12	38	23	106	.33	.67	5>	2	.23	13	2>	.046	.5	31	.45	1.8	2>	36
76	PG076	4786.670	1380.580	1>	1>	189	27	33	16	64	.65	.44	942	1>	.23	11	7	.038	1.4	43	.68	2.6	2>	28
77	PG077	4786.930	1380.800	8	1>	240	10	61	19	147	.10	.29	5>	1>	.11	16	3	.083	2.6	28	.88	2.4	2>	28
78	PG078	4786.280	1380.490	1	1>	303	29	42	32	50	.96	1.24	630	1	.55	21	2>	.036	.2>	56	.41	1.4	2>	55
79	PG079	4786.780	1380.420	1>	1>	23	5	50	24	169	.10	.13	5>	2	.17	10	2>	.073	2.5	10	.77	3.0	2>	29
80	PG080	4786.290	1380.130	7	1>	36	2	42	16	114	.08	.14	5>	2	.13	8	2>	.052	4.1	10	.71	2.8	2>	16
81	PG081	4786.720	1380.140	6	1>	71	11	41	25	94	.12	.33	5>	1>	.16	15	2>	.052	4.5	18	.74	2.4	2>	35
82	PG082	4787.300	1380.760	33	1>	38	8	88	21	111	.07	.10	5>	2	.16	34	2>	.068	.9	23	.84	2.8	2>	33
83	PG083	4787.100	1380.300	42	1>	218	43	728	47	130	.24	.39	628	11	.18	46	2>	.081	4.5	94	.87	2.6	2>	64
84	PG084	4787.480	1380.280	1>	1>	150	18	306	165	23	.68	.98	5>	3	.37	165	2>	.822	4.7	30	.51	1.6	2>	96
85	PG085	4788.140	1380.640	209	1>	28	9	47	25	95	.08	.05	5>	2	.20	13	2>	.076	3.2	7	1.00	3.0	2>	36
86	PG086	4788.510	1380.880	1>	1>	475	32	56	38	90	.61	.80	748	2	.45	22	2>	.081	1.3	97	.70	3.2	2>	72
87	PG087	4788.670	1380.900	25	1>	17	12	151	29	92	.04	.03	5>	1	.21	38	2>	.075	.2>	4	1.00	2.2	2>	39
88	PG088	4788.730	1380.480	1>	1>	19	9	46	29	104	.05	.05	5>	2	.24	13	2>	.062	2.7	5	1.12	3.2	2>	34
89	PG089	4788.370	1380.230	85	1>	17	4	44	30	113	.05	.04	5>	1>	.24	11	2>	.111	.2>	6	1.02	3.6	2>	37
90	PG090	4789.360	1380.920	7	1>	77	19	49	32	60	.21	.41	108	1>	.21	17	2>	.040	.2>	15	1.02	2.8	2>	52
91	PG091	4789.620	1380.980	1>	1>	69	21	62	28	119	.15	.42	169	1>	.16	21	2>	.050	.2>	16	1.10	3.2	2>	54
92	PG092	4789.930	1380.960	5	1>	1058	24	34	14	114	.72	.34	1145	1	.46	9	2>	.055	2.7	66	.89	2.8	2>	49
93	PG093	4790.160	1380.770	19	1>	1418	6	36	31	79	.19	.04	5>	2	.43	9	2>	.057	1.9	30	.96	3.2	2>	52
94	PG094	4789.130	1380.540	23	1>	1494	27	57	38	71	.92	.78	537	1	.74	23	2>	.053	1.3	89	.77	2.2	2>	83
95	PG095	4789.550	1380.440	9	1>	1286	11	65	34	80	.27	.30	5>	1	.43	21	2>	.045	3.7	39	.74	3.0	2>	54
96	PG096	4789.700	1380.170	31	1>	1162	16	150	27	145	.22	.42	5>	1>	.36	38	2>	.059	8.3	42	1.00	3.0	2>	63
97	PG097	4789.240	1380.210	35	1>	1445	6	45	25	82	.18	.05	5>	1	.44	9	2>	.040	10.4	31	1.21	3.4	2>	47
98	PG098	4789.860	1380.260	11	1>	1084	19	56	26	86	.32	.43	89	4	.36	16	2>	.053	7.0	37	1.05	2.8	2>	60
99	PG099	4790.670	1380.910	17	1>	695	9	59	22	110	.13	.14	5>	1>	.22	6	2>	.046	5.7	51	1.34	3.4	2>	30
100	PG100	4791.010	1380.960	3	1>	54	14	94	18	148	.08	.16	115	1>	.12	21	2>	.065	5.8	30	1.38	3.0	2>	32

List of Geochemical Analysis(3)

Ser. No.	Sample No.	Location (km) X-coord	Location (km) Y-coord	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm
101	PG101	4790.480	1380.620	1>	1>	34	8	39	31	95	.10	.13	5>	3	.25	12	2>	.052	.2>	12	.90	3.0	2>	31
102	PG102	4790.850	1380.730	21	1>	1154	13	53	31	175	.22	.25	5>	1>	.30	12	2>	.050	9.2	47	1.01	2.8	2>	26
103	PG103	4790.130	1380.400	19	1>	1437	20	55	37	75	.87	.68	512	1>	.63	21	2>	.059	7.7	96	.72	2.4	2>	63
104	PG104	4790.460	1380.310	1>	1>	23	4	47	14	45	.05	.09	5>	1>	.13	9	2>	.034	1.5	11	1.08	2.4	2>	19
105	PG105	4790.340	1380.320	1>	1>	26	6	45	29	84	.05	.07	5>	1	.19	8	2>	.043	3.6	15	1.06	3.0	2>	24
106	PG106	4790.160	1380.100	1>	1>	22	5	28	4	59	.03	.11	471	1>	.06	3	2>	.028	7.4	21	2.08	4.2	2>	14
107	PG107	4790.580	1380.000	5	1>	57	8	47	24	203	.09	.17	5>	1>	.15	8	2>	.056	4.2	40	1.25	2.8	2>	25
108	PG108	4791.040	1380.630	1>	1>	48	4	80	23	198	.07	.17	5>	1	.19	17	2>	.079	.8	54	1.07	3.0	2>	21
109	PG109	4791.530	1380.610	33	1>	152	49	65	36	213	.43	.34	73	1	.28	31	2>	.112	6.2	50	.79	2.4	2>	54
110	PG110	4791.890	1380.650	7	1>	127	7	45	45	141	.14	.20	5>	4	.25	8	2>	.190	.2>	129	1.18	3.0	2>	30
111	PG111	4791.100	1380.280	1>	1>	35	5	49	16	49	.05	.09	5>	1	.12	8	2>	.036	2.8	27	1.07	3.0	2>	18
112	PG112	4791.620	1380.300	6	1>	72	13	69	20	103	.30	.33	5>	1>	.15	15	2>	.073	2.4	29	.94	2.0	2>	33
113	PG113	4791.950	1380.280	6	1>	68	23	47	39	194	.07	.19	5>	2	.25	12	2>	.063	8.9	44	1.20	2.8	2>	33
114	PG114	4791.300	1380.040	4	1>	118	22	62	35	143	.29	.49	144	1>	.33	18	2>	.056	8.4	62	.87	2.2	2>	45
115	PG115	4792.540	1380.800	1>	1>	18	3	40	15	111	.04	.04	5>	1>	.18	6	2>	.056	5.0	10	1.64	3.6	2>	24
116	PG116	4792.440	1380.360	1>	1>	24	7	44	13	247	.04	.04	5>	1>	.17	11	2>	.080	3.1	21	1.63	3.8	2>	16
117	PG117	4792.380	1380.400	1>	1>	18	9	93	8	233	.04	.04	5>	1>	.17	36	2>	.057	2.7	13	1.82	3.6	2>	20
118	PG118	4792.250	1380.060	16	1>	33	5	54	34	106	.07	.10	5>	1	.28	9	2>	.086	6.8	29	1.21	3.4	2>	25
119	PG119	4793.450	1380.230	1>	1>	19	5	74	13	215	.04	.05	5>	1>	.17	25	2>	.072	3.4	15	1.89	4.8	2>	21
120	PG120	4785.470	1379.460	20	1>	162	3	58	24	222	.32	.31	5>	2	.16	5	2>	.291	7.0	140	.46	2.0	2>	11
121	PG121	4785.720	1379.700	1>	1>	27	7	43	24	106	.07	.18	5>	1>	.17	7	2>	.058	2.0	22	.57	3.4	2>	18
122	PG122	4786.040	1379.720	1>	1>	29	4	35	15	154	.05	.13	102	1>	.14	3	2>	.056	4.0	25	.81	3.0	2>	11
123	PG123	4786.300	1379.720	12	1>	963	2	49	22	132	.15	.16	5>	1>	.29	10	2>	.070	2.9	45	.94	3.4	2>	31
124	PG124	4786.600	1379.670	25	2	1158	2	68	14	112	.17	.10	5>	3	.34	24	2>	.068	3.5	64	.98	3.2	2>	32
125	PG125	4786.410	1379.820	11	1>	95	19	51	13	85	.06	.10	620	1>	.06	15	3	.050	5.5	18	1.36	3.2	4	24
126	PG126	4786.830	1379.500	29	1>	939	9	58	23	146	.17	.26	5>	1	.31	16	2>	.083	3.9	34	.90	2.6	2>	39
127	PG127	4786.160	1379.330	1>	1>	912	46	116	25	105	1.34	.37	3306	1>	.40	36	44	.052	9.3	55	.80	3.8	2>	36
128	PG128	4786.460	1379.380	3	1>	27	4	45	26	52	.04	.15	645	1>	.14	8	2>	.048	1.3	14	1.10	3.8	2>	17
129	PG129	4786.360	1379.120	27	1>	1284	5	50	49	46	.59	.30	372	2	.42	11	2>	.079	6.7	67	.53	2.8	2>	42
130	PG130	4786.700	1379.210	41	1>	52	16	56	22	204	.07	.23	5>	1>	.16	13	2>	.043	2.2	14	1.04	3.4	2>	33
131	PG131	4787.150	1379.370	1>	1>	21	3	37	25	131	.07	.03	5>	1	.24	6	2>	.102	1.1	8	.98	3.6	2>	23
132	PG132	4787.180	1379.990	7	1>	973	35	80	31	45	.64	.39	1156	1>	.38	40	2>	.042	2.9	57	.89	2.8	2>	46
133	PG133	4787.170	1379.640	4	1>	62	5	148	29	65	.10	.08	5>	1>	.23	65	2>	.102	2.8	14	.97	3.2	2>	29
134	PG134	4787.330	1379.810	49	1>	1680	6	47	26	101	.28	.05	5>	2	.52	14	2>	.129	.2>	33	1.04	3.4	2>	49
135	PG135	4787.820	1379.860	49	1>	1572	6	43	26	70	.19	.07	5>	3	.46	12	2>	.052	.2>	34	1.05	3.0	2>	50
136	PG136	4787.700	1379.400	33	1>	1647	10	63	31	66	.23	.06	5>	2	.49	21	2>	.112	2.7	37	1.19	3.6	2>	59
137	PG137	4787.560	1378.940	33	1>	318	21	55	30	60	1.00	.77	442	1>	.43	18	2>	.077	1.2	86	.65	2.2	2>	49
138	PG138	4788.670	1379.720	44	1>	18	4	37	24	45	.05	.05	5>	1	.21	10	2>	.064	.2>	7	1.00	3.2	2>	30
139	PG139	4788.400	1379.480	10	1>	21	9	57	25	123	.06	.33	5>	1>	.17	13	2>	.060	.2>	13	1.03	2.6	2>	34
140	PG140	4788.910	1379.470	56	1>	1485	7	44	27	55	.20	.06	5>	1>	.46	9	2>	.066	.2>	32	1.23	3.4	2>	50
141	PG141	4788.140	1379.180	24	1>	17	4	34	28	152	.05	.02	5>	1>	.28	8	2>	.098	.2>	5	.95	3.4	2>	28
142	PG142	4788.650	1379.090	13	1>	745	7	52	14	78	.14	.07	5>	3	.19	12	2>	.061	7.5	32	1.34	3.8	2>	24
143	PG143	4789.250	1379.830	10	1>	1302	6	37	26	74	.19	.03	5>	3	.35	11	2>	.087	5.4	20	1.02	2.8	2>	37
144	PG144	4789.790	1379.810	21	1>	1462	7	42	26	126	.21	.02	5>	2	.37	10	2>	.069	10.0	23	1.16	3.2	2>	35
145	PG145	4789.470	1379.380	16	1>	1152	4	35	17	116	.17	.04	5>	3	.30	8	2>	.042	6.8	20	1.27	3.2	2>	33
146	PG146	4789.200	1379.040	13	1>	1260	6	57	25	146	.18	.10	5>	2	.31	14	2>	.056	4.4	45	1.18	3.2	2>	35
147	PG147	4789.900	1379.060	26	1>	1478	8	51	24	100	.30	.16	5>	2	.47	15	2>	.053	12.4	40	1.12	2.8	2>	39
148	PG148	4790.080	1379.550	24	1>	14	4	37	20	89	.04	.05	5>	3	.23	9	2>	.047	.2>	4	1.35	3.0	2>	36
149	PG149	4790.580	1379.680	26	1>	1564	7	52	24	137	.23	.03	5>	3	.41	12	2>	.106	1.5	29	1.05	2.8	2>	38
150	PG150	4790.430	1379.280	5	1>	13	6	46	15	94	.04	.05	5>	2	.19	8	2>	.045	4.7	5	1.38	3.2	2>	30

List of Geochemical Analysis(4)

Ser. No.	Sample No.	Location (km) X-coord	Location (km) Y-coord	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm
151	PG151	4790.880	1379.130	35	1>	1123	9	59	28	119	.32	.30	5>	3	.49	17	2>	.057	4.8	66	.93	3.2	2>	41
152	PG152	4791.010	1379.720	11	1>	706	10	45	17	88	.11	.10	8	2	.18	8	5	.048	7.4	45	1.75	3.6	2>	27
153	PG153	4791.690	1379.880	21	1>	1177	43	63	35	94	.48	.55	1547	3	.37	28	4	.072	9.1	52	.93	1.8	2>	84
154	PG154	4791.350	1379.700	15	1>	46	2	61	23	275	.05	.14	5>	2	.26	12	2>	.070	.2>	42	1.10	2.8	2>	31
155	PG155	4791.610	1379.630	1>	2	829	30	61	28	210	.17	.28	540	3	.22	19	32	.061	10.2	37	1.14	2.8	2>	63
156	PG156	4791.900	1379.470	11	1>	811	106	66	28	216	.15	.23	2295	2	.20	19	10	.067	11.5	31	1.40	3.0	2>	76
157	PG157	4791.640	1379.250	1>	1>	811	13	61	22	114	.16	.32	5>	1	.20	14	2>	.121	3.1	74	1.08	2.2	2>	37
158	PG158	4792.010	1379.830	37	1>	1022	8	47	36	194	.20	.18	5>	3	.26	14	5	.075	13.0	57	1.20	2.8	2>	35
159	PG159	4792.630	1379.880	28	1>	1594	9	48	21	174	.22	.04	5>	4	.41	10	2>	.121	10.6	33	1.11	3.2	2>	34
160	PG160	4792.310	1379.460	3	1>	753	3	47	25	82	.12	.14	5>	2	.18	11	12	.051	11.8	47	1.54	3.2	2>	30
161	PG161	4792.770	1379.510	1>	1>	1020	9	43	16	104	.14	.05	5>	3	.25	8	2>	.059	9.8	29	1.62	3.6	2>	25
162	PG162	4792.490	1379.080	13	1>	1047	7	41	32	114	.15	.15	5>	2	.25	9	7	.090	17.0	74	1.51	3.2	2>	32
163	PG163	4792.970	1379.150	15	1>	1156	1>	41	16	92	.17	.04	5>	4	.29	7	2>	.104	6.7	27	1.31	3.4	2>	96
164	PG164	4793.300	1379.410	30	1>	72	2	77	39	279	.05	.11	5>	4	.28	14	2>	.155	.8	80	.85	2.4	2>	27
165	PG165	4793.840	1379.940	3	1>	1201	5	41	15	235	.18	.04	5>	3	.31	10	2>	.100	7.6	28	1.57	3.6	2>	29
166	PG166	4793.690	1379.130	11	3	883	1	30	8	60	.12	.04	5>	2	.22	8	2>	.053	6.5	25	1.46	3.8	2>	22
167	PG167	4785.540	1378.430	15	170	361	15	59	14	90	.07	.25	5>	2	.12	17	2>	.051	6.3	61	.97	2.2	2>	33
168	PG168	4786.570	1378.510	1>	1>	381	16	33	24	62	.14	.54	5>	2	.13	20	6	.035	2.3	18	.73	2.0	2>	48
169	PG169	4787.880	1378.490	1>	1>	215	9	37	7	54	.04	.13	197	1>	.05	8	26	.042	3.6	17	.91	4.4	2>	23
170	PG170	4787.540	1378.010	1>	1>	38	10	39	35	60	.11	.45	5>	1	.12	16	2>	.042	1.4	12	.59	2.2	2>	38
171	PG171	4788.330	1378.760	4	1>	753	10	31	20	80	.12	.04	5>	5	.21	20	2>	.079	6.4	17	1.18	3.6	2>	33
172	PG172	4788.610	1378.420	6	1>	18	7	36	23	75	.05	.05	5>	3	.17	13	2>	.065	.8	9	1.17	3.4	2>	34
173	PG173	4788.400	1378.230	1>	1>	43	8	49	11	248	.06	.05	5>	2	.09	10	2>	.056	1.5	53	1.12	3.4	2>	17
174	PG174	4788.090	1377.970	8	1>	69	14	78	19	66	.25	.29	5>	2	.06	29	5	.064	2.9	25	.67	2.2	2>	35
175	PG175	4788.550	1377.980	1>	1	18	10	44	25	131	.05	.06	5>	3	.16	12	2>	.068	7.0	9	1.05	3.2	2>	33
176	PG176	4789.090	1378.570	1>	1>	15	8	65	21	128	.03	.04	5>	3	.16	17	2>	.057	5.3	7	1.26	3.4	2>	33
177	PG177	4789.480	1378.620	7	1>	65	18	70	23	102	.06	.24	5>	2	.13	33	2>	.082	3.4	22	.90	2.8	2>	46
178	PG178	4789.020	1378.270	1>	1>	17	3	31	24	175	.05	.04	5>	2	.23	11	2>	.099	6.6	8	.94	3.6	2>	36
179	PG179	4789.530	1378.050	1>	1>	17	8	40	21	80	.04	.06	5>	4	.17	10	2>	.069	.2>	8	1.19	3.4	2>	31
180	PG180	4789.930	1378.070	1>	1>	30	4	46	18	84	.04	.05	5>	2	.16	10	2>	.054	3.9	26	1.28	3.4	2>	26
181	PG181	4790.220	1378.460	19	1>	178	16	66	23	98	.39	.45	266	3	.26	30	8	.115	3.5	71	.71	2.2	2>	57
182	PG182	4790.320	1378.810	10	1>	15	6	87	19	101	.04	.04	5>	1	.24	24	2>	.062	5.3	5	1.05	2.6	2>	34
183	PG183	4790.210	1378.550	1>	1>	578	11	76	16	96	.10	.11	5>	2	.16	16	2>	.058	4.0	61	1.18	2.8	2>	23
184	PG184	4790.520	1378.180	23	1>	901	6	243	17	104	.13	.12	5>	4	.23	58	2>	.076	7.4	67	1.03	2.8	2>	30
185	PG185	4790.850	1378.220	4	1>	531	5	64	11	131	.10	.16	5>	2	.15	14	2>	.080	7.9	63	1.05	2.6	2>	22
186	PG186	4791.230	1378.680	1>	1>	24	7	95	25	137	.04	.04	5>	3	.23	28	2>	.111	4.3	17	.93	3.2	2>	35
187	PG187	4791.550	1378.640	7	1	1104	74	129	35	123	.17	.28	2839	1	.31	36	9	.059	2.7	38	1.00	2.4	2>	85
188	PG188	4791.890	1378.730	20	1>	1161	38	63	35	122	.31	.40	2015	3	.36	27	2>	.092	5.4	49	.96	2.2	2>	112
189	PG189	4791.110	1378.120	12	1>	664	6	70	16	83	.09	.08	5>	1	.19	14	5	.057	6.2	59	1.35	3.2	2>	31
190	PG190	4791.420	1378.130	1>	1>	50	9	42	13	86	.11	.09	264	1>	.08	12	5>	.053	5.6	34	1.44	3.0	2>	22
191	PG191	4791.540	1378.300	10	1>	62	6	245	25	112	.06	.09	5>	3	.12	90	2>	.074	4.4	47	1.37	3.0	2>	39
192	PG192	4791.850	1378.170	1>	1>	167	32	64	39	107	.39	.46	1074	2	.24	32	2	.072	.4	40	.79	2.2	2>	104
193	PG193	4792.290	1378.680	6	1>	24	8	35	26	56	.04	.06	5>	4	.16	8	2>	.056	5.6	18	1.31	3.0	2>	30
194	PG194	4792.750	1378.810	1>	1>	16	10	38	13	103	.03	.02	5>	1	.18	10	2>	.050	.2>	8	1.29	3.6	2>	28
195	PG195	4792.290	1378.220	1>	1>	47	6	42	48	62	.06	.10	5>	4	.19	15	2>	.079	.2>	26	.77	2.2	2>	37
196	PG196	4792.650	1378.370	1>	1>	17	8	35	8	214	.03	.04	5>	3	.13	9	2>	.088	3.5	13	1.40	4.0	2>	22
197	PG197	4792.720	1377.970	1>	1>	18	5	39	20	153	.04	.04	5>	3	.22	13	2>	.063	.2>	9	1.07	3.0	2>	35
198	PG198	4793.130	1378.370	1>	1>	35	7	41	25	147	.05	.08	5>	3	.19	13	2>	.078	3.0	37	1.29	3.0	2>	28
199	PG199	4793.690	1378.300	8	1>	23	5	35	20	104	.04	.04	5>	1	.22	11	2>	.087	2.1	15	1.00	2.2	2>	32
200	PG200	4785.480	1377.500	31	58	205	1>	48	6	99	.04	.01	5>	2	.12	4	10	.097	6.2	388	.45	1.8	2>	3

List of Geochemical Analysis(5)

Ser. No.	Sample No.	Location (km) X-coord	Location (km) Y-coord	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm
201	PG201	4786.550	1377.490	40	24	118	1	43	14	11	.07	.03	5>	2	.07	6	12	.043	32.9	147	.38	1.6	2>	8
202	PG202	4787.590	1376.990	1>	2	31	3	38	11	104	.05	.04	5>	2	.12	8	2>	.055	15.4	23	.85	1.8	2>	13
203	PG203	4788.070	1377.650	1>	1>	24	6	45	16	85	.07	.06	5>	2	.15	12	2>	.039	6.1	11	.68	2.4	2>	18
204	PG204	4788.570	1377.680	35	1>	256	21	57	34	105	.85	.79	470	3	.43	24	2>	.073	3.3	100	.60	2.0	2>	66
205	PG205	4788.240	1377.320	17	1	48	9	66	15	228	.19	.14	5>	3	.10	17	5	.036	4.7	38	.60	2.2	2>	30
206	PG206	4788.600	1377.280	1>	1>	65	7	79	14	735	.25	.13	5>	3	.09	17	2>	.026	.7	66	.50	2.2	2>	21
207	PG207	4788.540	1376.980	7	1>	45	3	54	5	222	.05	.02	5>	3	.07	10	3	.056	11.5	50	.74	2.6	2>	9
208	PG208	4788.850	1376.970	18	5	42	4	69	10	417	.06	.06	5>	3	.09	18	20	.083	19.1	42	1.06	3.6	2>	17
209	PG209	4789.340	1377.680	1	1>	25	6	44	16	98	.04	.06	5>	1	.11	14	2>	.045	.2>	15	1.46	3.8	2>	28
210	PG210	4789.820	1377.840	28	1>	1328	9	37	19	102	.16	.04	5>	4	.42	13	2>	.047	2.2	30	1.17	3.6	2>	51
211	PG211	4789.640	1377.620	1>	1>	14	6	54	21	111	.04	.02	5>	2	.18	14	2>	.065	.2>	6	1.05	2.8	2>	31
212	PG212	4789.350	1377.240	27	1>	100	12	54	22	163	.22	.29	5	2	.11	19	2>	.055	2.3	35	.79	2.6	2>	44
213	PG213	4789.840	1377.260	1>	1>	19	7	44	17	96	.04	.04	5>	1	.17	11	2>	.054	4.6	10	1.12	2.6	2>	29
214	PG214	4790.230	1377.920	1>	1>	16	10	41	19	86	.04	.05	5>	3	.16	11	2>	.038	.2>	9	1.34	3.6	2>	30
215	PG215	4790.720	1377.770	1>	1>	22	5	46	21	73	.03	.05	5>	2	.18	10	2>	.049	.2>	15	1.05	2.8	2>	34
216	PG216	4790.280	1377.350	1>	1>	22	9	36	17	155	.06	.02	5>	2	.17	10	2>	.062	2.0	6	1.02	3.4	2>	29
217	PG217	4791.410	1377.830	1	1>	67	9	58	12	162	.05	.17	5>	3	.12	12	2>	.073	4.4	63	.97	3.0	2>	25
218	PG218	4791.650	1377.960	1>	1>	51	26	46	19	136	.04	.10	391	1	.10	11	5	.054	7.5	39	1.32	3.2	2>	25
219	PG219	4791.190	1377.390	1>	1>	50	11	43	21	90	.05	.07	32	2	.11	9	2>	.046	3.5	22	1.17	3.0	2>	33
220	PG220	4791.430	1377.580	8	1>	65	7	46	11	113	.04	.09	98	1>	.08	8	6	.057	.7	49	1.21	3.4	2>	19
221	PG221	4791.740	1377.630	6	1>	89	16	47	29	159	.17	.35	31	1	.23	15	7	.049	7.4	65	1.04	2.6	2>	41
222	PG222	4791.940	1377.230	4	1>	163	27	50	30	113	.34	.47	647	1	.20	25	2>	.076	6.0	47	.82	2.0	2>	63
223	PG223	4792.080	1377.810	3	1>	139	75	57	35	163	.12	.28	3939	3	.11	25	18	.053	.2>	28	1.10	3.0	2>	72
224	PG224	4792.290	1377.500	22	4	96	20	38	42	74	.15	.30	5>	2	.23	16	2>	.072	7.8	53	.97	3.0	2	44
225	PG225	4792.700	1377.540	1>	1>	125	16	40	24	130	.06	.03	1863	2	.16	17	2>	.111	.2>	8	.87	3.0	2>	36
226	PG226	4792.570	1377.140	1	1>	29	4	25	17	114	.06	.04	5>	4	.16	9	2>	.079	.2>	12	.94	2.8	2>	26
227	PG227	4793.290	1377.640	1>	1>	24	3	28	15	97	.05	.04	5>	4	.14	11	2>	.057	.2>	11	1.08	3.4	2>	46
228	PG228	4793.830	1377.610	14	1>	98	12	36	22	82	.05	.09	5>	4	.09	9	21	.057	4.0	56	1.47	3.8	2>	23
229	PG229	4793.580	1377.160	1>	1>	44	10	29	23	90	.06	.02	211	2	.15	14	2>	.096	.2>	7	.86	3.0	2>	33
230	PG230	4785.540	1376.530	24	1>	86	1>	502	18	212	.06	.24	5>	1	.12	93	10	.166	18.5	167	.58	2.4	2>	25
231	PG231	4786.560	1376.560	8	1>	117	2	38	6	101	.04	.01>	5>	3	.05	4	6	.144	6.4	173	.50	1.6	2>	2
232	PG232	4787.540	1376.010	9	1>	125	70	70	23	100	.38	.41	2136	1	.10	35	6	.054	9.8	52	.37	1.8	2	51
233	PG233	4788.550	1376.560	10	1>	37	2	48	3	155	.04	.01>	5>	2	.04	10	4	.034	5.0	45	.55	2.2	2>	3
234	PG234	4788.630	1376.030	9	1>	28	3	47	3	162	.03	.01	5>	2	.06	8	5	.043	10.2	30	.74	3.4	2>	6
235	PG235	4789.200	1376.950	2	3	85	8	63	15	121	.05	.12	41	1>	.09	26	2>	.056	7.4	37	.83	2.8	2>	27
236	PG236	4789.890	1376.920	41	1>	481	18	57	31	101	.60	.67	398	1>	.23	24	2>	.065	.8	111	.58	2.2	2>	60
237	PG237	4789.170	1376.610	1>	1>	33	8	44	15	117	.05	.05	5>	1	.10	10	2>	.049	4.0	22	1.06	3.0	2>	23
238	PG238	4789.570	1376.650	16	1>	37	8	71	13	207	.04	.06	5>	1	.08	14	5	.042	11.6	39	.82	2.8	2>	15
239	PG239	4789.510	1376.330	10	1>	28	3	33	12	93	.04	.03	5>	1>	.08	9	3	.048	1.8	17	1.05	3.2	2>	17
240	PG240	4789.700	1376.040	1>	6	28	4	29	10	67	.04	.04	5>	1>	.09	8	2>	.035	.4	18	1.00	3.2	2>	15
241	PG241	4790.290	1376.720	38	1>	100	46	31	24	131	.18	.27	1047	1	.08	16	6	.045	2.2	30	.77	2.6	2>	54
242	PG242	4790.000	1376.300	61	1>	103	24	130	33	87	.24	.34	917	2	.10	68	4	.082	1.6	38	.69	2.6	2>	55
243	PG243	4790.520	1376.180	36	1>	215	18	295	47	127	.56	.58	611	1>	.29	98	8	.086	1.7	95	.54	2.4	2>	83
244	PG244	4790.830	1376.650	1>	1>	29	7	180	23	90	.05	.05	5>	1	.09	73	2>	.057	7.9	14	1.03	3.2	2>	27
245	PG245	4790.840	1376.380	1>	1>	217	8	376	28	111	.05	.06	5>	2	.11	91	96	.068	6.8	20	1.06	3.2	3	31
246	PG246	4791.240	1376.900	12	1>	97	15	111	27	148	.07	.20	6	2	.13	41	5	.122	.9	53	.79	2.8	2>	36
247	PG247	4791.380	1376.400	6	1>	31	1>	121	28	222	.03	.03	5>	2	.16	43	2>	.079	.2>	7	.96	3.2	2>	36
248	PG248	4791.290	1376.100	1>	1>	20	6	93	19	104	.03	.04	5>	2	.12	29	2>	.050	1.1	12	.99	3.6	2>	26
249	PG249	4791.970	1376.690	10	1>	318	25	193	48	149	.32	.43	450	2	.23	70	4	.098	5.1	76	.69	2.8	2>	74
250	PG250	4792.030	1376.260	1>	2	87	9	201	30	92	.05	.11	54	1	.09	71	10	.107	2.4	49	1.23	3.6	2>	41

List of Geochemical Analysis(6)

Ser. No.	Sample No.	Location (km) X-coord	Location (km) Y-coord	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm
251	PG251	4792.690	1376.540	3	1>	28	6	118	20	89	.05	.04	5>	1>	.11	53	5	.054	.2>	14	.92	2.8	2>	31
252	PG252	4792.900	1376.170	3	1>	29	26	198	23	82	.04	.04	74	4	.15	96	4	.087	6.1	13	.93	3.0	2>	45
253	PG253	4793.500	1376.190	11	1>	93	11	308	42	113	.11	.21	5>	3	.14	118	2>	.096	6.6	47	1.08	2.8	2>	54
254	PG254	4785.510	1375.540	7	1>	371	13	117	19	54	1.78	.44	143	1	.67	43	11	.032	4.2	88	.37	3.6	2>	31
255	PG255	4786.370	1375.330	1>	1>	54	35	202	17	83	.05	.15	1669	2	.09	54	25	.051	1.7	11	1.00	3.8	4	23
256	PG256	4786.820	1375.400	1>	1>	52	7	151	13	125	.06	.12	5>	1>	.15	41	2>	.069	3.2	24	.67	3.0	2>	24
257	PG257	4787.340	1375.430	4	1>	72	4	178	19	129	.17	.17	5>	1>	.09	64	6	.080	9.0	37	.47	1.8	2>	22
258	PG258	4787.840	1375.350	1>	1>	36	3	249	8	87	.05	.03	5>	1>	.04	107	6	.064	3.3	31	.44	2.0	2>	15
259	PG259	4787.530	1375.000	4	1>	39	5	155	7	191	.02	.01>	46	1>	.04	82	8	.051	1.2	16	.40	2.0	2>	5
260	PG260	4788.140	1375.480	8	1>	37	5	305	6	85	.03	.01>	5>	1>	.04	95	6	.058	4.6	35	.53	2.2	3	11
261	PG261	4788.510	1375.470	11	1>	31	7	400	13	159	.04	.02	5>	1	.06	146	5	.067	4.6	19	.93	3.8	2>	23
262	PG262	4788.790	1375.260	1>	1>	23	4	166	9	73	.03	.01	5>	2	.07	55	2>	.052	3.7	15	.81	3.6	5	15
263	PG263	4788.990	1375.770	11	1>	58	5	247	11	149	.03	.02	8	2	.05	72	11	.066	2.3	24	.84	3.6	2>	14
264	PG264	4789.440	1375.420	12	1>	100	5	189	8	82	.04	.02	125	1>	.05	61	14	.101	3.7	29	.80	3.4	2>	11
265	PG265	4789.820	1375.640	1>	1>	75	5	205	12	48	.04	.02	187	1	.05	91	23	.076	6.0	18	.85	4.2	2	17
266	PG266	4789.140	1375.090	2	1>	41	9	118	12	293	.09	.06	5>	1	.14	44	2>	.063	3.9	27	.80	2.8	2>	27
267	PG267	4789.780	1375.070	1>	1>	46	10	281	15	51	.03	.04	111	1	.05	109	13	.079	7.4	18	1.22	4.0	4	33
268	PG268	4790.280	1375.670	9	1>	38	8	162	17	72	.05	.05	5>	2	.10	51	4	.047	5.5	21	.96	3.2	2>	23
269	PG269	4790.660	1375.860	28	1>	76	16	167	24	124	.11	.19	5>	1>	.09	61	4	.057	1.6	35	.79	2.8	2	45
270	PG270	4790.740	1375.430	10	1>	61	6	219	11	95	.05	.05	4	1>	.06	92	15	.061	3.7	27	.68	2.6	2>	19
271	PG271	4790.460	1375.150	6	1>	57	8	228	20	55	.05	.05	63	1>	.09	68	14	.104	1.0	22	.90	3.0	3	31
272	PG272	4791.090	1375.830	1>	1>	55	4	222	20	163	.04	.06	5>	1>	.05	74	5	.052	2.5	38	.99	3.0	2	30
273	PG273	4791.540	1375.910	9	1>	14	4	223	21	108	.03	.01	5>	1>	.05	112	3	.057	5.0	6	1.01	3.2	2>	45
274	PG274	4791.240	1375.340	33	1>	149	16	152	27	132	.37	.34	921	2	.16	60	11	.079	.9	44	.48	2.0	2>	53
275	PG275	4791.040	1375.990	96	1>	61	22	359	31	141	.07	.11	5>	1>	.07	593	17	.239	2.2	26	.71	2.6	2>	56
276	PG276	4791.800	1375.440	1>	1>	36	8	350	12	178	.03	.05	44	1	.08	60	4	.042	5.9	24	1.51	4.2	2>	23
277	PG277	4792.290	1375.800	10	1>	126	48	189	43	141	.19	.26	2141	2	.11	75	14	.079	7.1	23	.94	2.8	2>	92
278	PG278	4792.840	1375.720	14	1	54	9	146	27	94	.05	.07	5>	1>	.09	31	2>	.038	3.1	27	1.02	2.8	2>	24
279	PG279	4792.080	1375.220	1>	2	38	10	144	34	183	.03	.16	5>	2	.09	43	2>	.050	6.3	11	.41	2.2	2>	49
280	PG280	4792.440	1375.870	13	1>	52	12	96	28	125	.05	.07	5>	2	.09	24	10	.036	2.4	25	.99	3.2	2>	32
281	PG281	4793.260	1375.640	1>	1>	63	14	155	26	59	.17	.46	97	2	.23	57	11	.040	4.3	48	.94	3.8	2>	48
282	PG282	4793.860	1375.770	11	1>	48	12	136	25	38	.09	.06	5>	3	.11	41	8	.030	.2>	15	.76	3.8	2>	41
283	PG283	4793.650	1375.280	1>	1>	71	24	317	26	74	.08	.07	5>	1	.13	94	7	.115	.6	21	1.07	4.2	2>	52
284	PG284	4785.530	1374.630	5	1>	285	31	234	28	52	1.00	.95	1056	1>	.31	75	10	.073	3.0	166	.57	2.2	2>	54
285	PG285	4785.850	1374.490	4	1>	226	20	293	28	32	.96	.79	186	1	.35	102	6	.048	8.5	40	.43	2.0	2>	49
286	PG286	4785.330	1374.080	1>	1>	141	29	85	20	96	.26	.40	1458	1>	.13	29	19	.059	7.2	35	.95	3.4	2>	49
287	PG287	4785.900	1374.010	1>	1>	202	78	347	30	456	.20	.46	4103	2	.08	98	33	.132	8.5	46	1.59	2.2	3	191
288	PG288	4786.070	1374.920	7	1>	74	5	198	14	35	.32	.34	37	1>	.07	66	16	.045	.5	26	.34	1.8	2>	25
289	PG289	4786.860	1374.510	1>	1>	136	13	98	13	23	.52	.30	161	1>	.21	22	9	.051	1.0	43	.54	2.0	2>	19
290	PG290	4786.770	1374.430	6	1>	289	12	213	25	97	1.26	.37	5>	1	.46	91	16	.046	1.9	30	.28	2.8	2>	39
291	PG291	4786.550	1373.970	1>	1>	218	51	285	29	10>	.20	.33	3298	1>	.15	81	13	.095	9.3	45	.71	2.4	2>	47
292	PG292	4787.180	1374.630	6	1>	56	17	263	60	119	.07	.10	5>	2	.15	109	79	.074	18.6	10	.86	2.4	2>	52
293	PG293	4787.580	1374.540	1>	1>	66	46	312	60	94	.09	.07	415	2	.15	141	13	.185	1.7	11	.94	2.8	2>	78
294	PG294	4787.560	1373.990	1>	1>	52	7	189	14	72	.15	.12	5>	1>	.06	123	11	.049	2.9	21	.56	2.0	3	22
295	PG295	4788.190	1374.650	1>	1	24	2	271	10	90	.03	.01>	5>	1>	.04	91	8	.062	19.6	22	.38	1.8	3	9
296	PG296	4788.850	1374.670	1>	1>	43	3	137	9	68	.04	.02	5>	2	.08	56	5	.058	6.3	25	.97	2.8	6	13
297	PG297	4788.810	1374.190	5	1>	34	6	182	9	73	.04	.02	5>	2	.08	70	10	.067	4.8	21	.88	3.2	2>	19
298	PG298	4789.400	1374.660	7	1>	64	4	248	24	65	.06	.06	5>	1	.16	108	3	.077	4.3	20	.97	2.8	2>	30
299	PG299	4789.910	1374.680	4	1>	48	9	262	23	83	.05	.10	5>	2	.10	102	12	.096	7.6	29	1.05	3.0	5	28
300	PG300	4789.530	1374.040	13	1>	41	7	265	35	46	.04	.01	53	2	.07	94	12	.069	6.8	26	.88	3.2	6	16

List of Geochemical Analysis(7)

Ser. No.	Sample No.	Location(km) X-coord	Location(km) Y-coord	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm
301	PG301	4790.400	1374.430	1>	1>	54	6	367	17	95	.04	.06	34	1>	.07	142	15	.060	6.4	28	1.07	3.2	3	25
302	PG302	4790.770	1374.050	1>	1>	66	8	598	36	114	.04	.08	5>	1	.10	180	19	.056	8.1	30	1.04	2.8	5	30
303	PG303	4791.350	1374.580	1>	1>	97	5	253	24	101	.07	.16	5>	1>	.12	111	32	.104	5.3	51	.82	2.6	2>	45
304	PG304	4791.720	1374.930	1>	1>	38	7	197	28	97	.06	.05	5>	3	.15	87	6	.079	7.6	15	1.07	3.2	2>	46
305	PG305	4792.060	1374.660	17	1>	278	44	857	57	149	.32	.39	2617	1>	.21	276	20	.115	9.9	71	.90	2.4	2>	137
306	PG306	4792.540	1374.870	1>	1>	108	11	310	26	79	.05	.07	5>	2	.14	126	87	.112	6.3	19	1.28	4.0	2>	49
307	PG307	4792.920	1375.000	9	1>	38	7	235	23	87	.06	.09	5>	1	.12	92	2>	.082	4.7	22	1.18	4.2	2>	37
308	PG308	4793.190	1374.620	1>	1>	69	12	201	27	34	.09	.15	5>	4	.12	71	10	.050	5.1	31	.92	3.6	2	39
309	PG309	4793.690	1374.820	12	1>	114	7	238	27	69	.09	.14	5>	3	.12	113	21	.087	10.6	53	1.19	3.8	6	40
310	PG310	4793.130	1374.310	5	1>	79	16	556	34	50	.09	.11	17	2	.13	321	23	.086	4.6	33	1.15	3.6	3	42
311	PG311	4793.910	1374.330	6	1>	77	14	238	27	28	.06	.10	5>	4	.11	103	8	.094	8.7	55	1.57	4.0	7	37
312	PG312	4794.170	1374.630	17	1>	114	14	329	50	50	.20	.30	133	4	.21	113	9	.212	2.1	65	.70	3.2	2>	48
313	PG313	4794.600	1374.810	1>	1>	93	25	299	23	41	.07	.14	151	3	.10	107	19	.091	7.9	38	1.75	3.8	6	38
314	PG314	4794.510	1374.460	9	1>	74	10	206	23	59	.08	.10	5>	4	.11	107	3	.088	2.3	33	1.14	3.8	2>	38
315	PG315	4794.860	1374.420	5	1>	107	17	239	39	34	.29	.34	5>	5	.15	107	9	.060	10.0	43	.69	4.4	2>	58
316	PG316	4794.600	1374.150	9	1>	74	7	257	25	44	.11	.12	5>	5	.13	88	13	.072	1.5	31	.91	3.8	3	43
317	PG317	4794.950	1374.120	13	1>	131	30	392	32	44	.15	.21	470	3	.14	137	10	.103	9.6	47	1.00	3.8	3	59
318	PG318	4795.040	1374.820	1>	1>	92	9	388	18	49	.05	.05	171	2	.09	114	18	.061	7.6	27	.90	3.4	2>	41
319	PG319	4795.630	1374.860	3	12	81	16	316	23	24	.16	.14	135	2	.09	171	13	.109	4.4	33	.93	3.2	3	68
320	PG320	4795.240	1374.580	10	1>	115	15	217	37	42	.20	.23	5>	5	.17	110	18	.079	.5	44	.74	5.0	3	60
321	PG321	4795.320	1374.330	1>	1>	141	17	200	40	52	.35	.45	5>	3	.16	101	9	.067	1.6	43	.64	3.2	2>	57
322	PG322	4795.730	1374.380	2	1>	135	24	214	17	59	.07	.08	1005	2	.12	89	19	.072	1.6	38	.92	3.0	2>	38
323	PG323	4795.370	1374.070	5	1>	235	39	240	33	60	.21	.23	777	3	.14	95	15	.135	4.5	52	.94	3.6	2>	68
324	PG324	4795.780	1373.980	1>	1>	117	21	251	16	33	.09	.08	388	1>	.08	123	22	.061	1.9	29	.86	2.8	2>	49
325	PG325	4785.900	1373.540	15	1>	118	13	470	37	403	.65	.65	5>	1	.20	147	2>	.066	5.1	47	.72	2.4	2>	60
326	PG326	4785.750	1373.060	1>	1>	213	37	559	50	120	.12	.28	639	2	.22	213	16	.115	7.3	27	.86	2.0	2>	72
327	PG327	4786.540	1373.560	5	1>	256	77	233	42	103	.12	.15	2994	1	.15	108	19	.110	4.9	33	1.30	2.6	3	81
328	PG328	4786.510	1372.990	1>	1>	258	20	168	27	43	1.15	.68	310	3	.50	87	12	.044	1.9	31	.44	3.2	5	47
329	PG329	4787.010	1373.570	155	1>	629	56	276	65	131	.13	1.10	2118	1>	.29	192	10	.212	22.8	95	.84	1.0	2>	102
330	PG330	4787.540	1373.560	1>	1>	246	37	193	53	35	.70	.56	580	1	.44	96	11	.062	10.0	72	.69	2.2	2>	68
331	PG331	4787.430	1373.200	44	1>	263	55	265	56	82	.47	.35	2147	1	.25	109	35	.073	9.3	51	1.27	3.0	2>	76
332	PG332	4787.990	1373.320	5	1>	113	12	229	29	111	.29	.46	262	1	.13	99	20	.072	.2>	44	.72	2.0	2>	55
333	PG333	4788.190	1373.740	11	1	46	9	442	17	106	.07	.06	5>	3	.11	125	2	.088	4.9	36	.86	2.8	2>	26
334	PG334	4788.870	1373.730	1>	1>	24	5	239	10	54	.03	.01	5>	2	.07	88	4	.055	4.7	16	.88	3.4	2>	15
335	PG335	4788.360	1373.380	14	1>	56	5	247	14	62	.04	.08	5>	2	.08	88	11	.101	3.6	39	.96	2.4	2>	23
336	PG336	4788.640	1373.290	26	1>	46	4	256	13	43	.05	.03	5>	2	.09	104	19	.094	6.0	34	.91	3.4	2>	28
337	PG337	4789.590	1373.690	10	1>	46	1	206	14	47	.05	.04	5>	1>	.09	76	3	.055	1.6	24	1.04	2.8	2>	24
338	PG338	4789.640	1373.120	1>	1>	40	3	294	12	22	.05	.04	5>	2	.09	107	7	.071	2.6	25	.89	3.2	2>	21
339	PG339	4790.220	1373.120	14	1>	34	2	275	15	44	.07	.06	5>	4	.09	101	18	.091	.3	24	.97	3.8	6	22
340	PG340	4790.570	1373.410	14	1>	39	5	277	12	82	.07	.05	5>	2	.14	118	2>	.108	3.1	25	.85	3.2	2>	26
341	PG341	4791.300	1373.740	8	1>	55	6	375	16	89	.04	.08	5>	1>	.09	126	14	.075	4.4	30	1.03	3.0	6	28
342	PG342	4791.860	1373.910	1>	1>	68	9	96	15	36	.04	.10	289	1	.07	32	10	.049	9.5	28	1.25	3.0	4	30
343	PG343	4791.040	1373.430	6	1>	42	3	107	12	37	.05	.04	5>	1>	.12	29	2>	.095	7.2	25	1.08	3.6	2>	30
344	PG344	4791.860	1373.270	1>	1>	54	2	30	10	33	.05	.05	67	1	.07	8	2>	.038	4.0	23	.95	3.4	2>	16
345	PG345	4792.380	1373.780	6	1>	157	49	27	25	56	.06	.19	1385	1	.12	13	13	.049	8.3	23	.95	3.2	2>	43
346	PG346	4792.830	1373.870	33	1>	299	24	53	27	102	.37	.39	1397	1>	.18	23	2>	.077	8.1	111	.85	2.4	3	67
347	PG347	4792.310	1373.260	6	1>	37	2	34	9	23	.06	.05	5>	2	.08	8	2>	.039	1.4	20	.94	3.0	3	17
348	PG348	4792.770	1373.470	1>	1>	77	6	30	10	67	.04	.06	171	1>	.06	8	8	.037	4.7	23	1.18	3.8	2	18
349	PG349	4793.440	1373.890	1>	1>	78	17	36	17	39	.09	.16	5>	4	.08	17	14	.046	2.7	35	.86	3.0	2>	34
350	PG350	4793.270	1373.610	1>	1>	58	2	45	12	54	.06	.07	5>	5	.08	12	3	.047	2.8	29	.99	3.6	3	18

List of Geochemical Analysis(8)

Ser. No.	Sample No.	Location (km) X-coord	Location (km) Y-coord	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm
351	PG351	4793.720	1373.630	4	1>	61	8	45	10	36	.06	.08	97	2	.07	13	17	.037	.2>	25	1.13	4.2	3	27
352	PG352	4793.080	1373.010	17	1>	58	45	39	15	55	.12	.10	586	2	.08	15	15	.034	4.3	23	.87	3.6	2	26
353	PG353	4793.530	1373.180	5	1>	49	5	40	9	50	.05	.05	5>	2	.06	9	11	.027	5.6	19	.88	3.4	2>	16
354	PG354	4794.030	1373.890	19	1>	89	6	48	19	61	.06	.11	5>	4	.10	14	6	.050	.5	39	1.31	3.8	2	27
355	PG355	4794.810	1373.820	16	1>	85	11	47	17	35	.06	.09	5>	4	.12	11	8	.041	.2>	29	1.06	4.0	2>	44
356	PG356	4794.130	1373.510	1>	1>	194	17	42	22	50	.19	.19	304	3	.11	13	17	.174	6.8	65	1.33	3.2	5	33
357	PG357	4794.620	1373.490	11	1>	114	52	58	35	145	.14	.23	581	3	.12	20	22	.105	8.3	58	1.03	4.0	2>	53
358	PG358	4795.220	1373.820	9	1>	89	10	40	10	39	.05	.07	172	3	.05	11	11	.038	3.5	29	.93	3.2	5	20
359	PG359	4795.040	1373.310	9	1>	100	7	49	18	50	.07	.14	5>	1	.08	17	9	.061	3.7	41	1.28	4.0	2>	28
360	PG360	4795.470	1373.520	1>	1>	183	32	38	22	47	.23	.18	506	2	.12	18	14	.077	.5	45	1.27	3.4	2>	49
361	PG361	4795.890	1373.180	14	1>	73	12	32	11	53	.05	.05	565	2	.05	14	19	.046	4.5	28	.70	2.4	5	21
362	PG362	4785.560	1372.650	1>	1>	355	69	39	40	100	.28	.56	3198	1>	.16	16	20	.031	8.9	64	1.96	3.2	2	49
363	PG363	4785.400	1372.230	1>	1>	197	72	43	51	60	.12	.94	3441	1>	.13	19	20	.035	10.4	74	1.56	2.8	2>	58
364	PG364	4786.020	1372.330	9	1>	187	7	25	11	51	.64	.43	74	1>	.32	16	11	.027	3.0	43	.57	4.0	4	25
365	PG365	4786.520	1372.380	7	1>	205	9	23	13	61	.62	.41	67	2	.34	14	6	.027	3.7	32	.48	3.6	4	25
366	PG366	4786.890	1372.130	12	1>	105	25	16	20	61	.26	.28	368	1>	.09	10	11	.026	2.5	28	.57	2.4	2>	28
367	PG367	4787.540	1372.830	4	1>	299	41	31	54	170	.18	1.02	1904	1>	.25	16	13	.045	11.8	103	.73	1.0	2>	63
368	PG368	4787.230	1372.380	1>	1>	104	26	70	30	74	.23	.79	576	1>	.15	46	10	.032	7.5	53	.83	2.0	2>	50
369	PG369	4787.560	1372.470	160	1>	194	13	29	46	636	.47	.98	226	3	.44	10	2>	.053	44.2	110	.59	1.2	2>	55
370	PG370	4787.880	1372.380	126	2	259	16	32	38	408	.28	.55	361	1>	.23	8	9	.037	27.1	69	.68	1.6	2>	68
371	PG371	4787.400	1372.120	11	1>	63	5	33	14	450	.11	.14	5>	1>	.07	5	6	.042	6.6	49	.53	1.6	2>	16
372	PG372	4787.720	1372.120	11	1>	128	5	45	20	145	.18	.21	5>	1>	.08	10	8	.031	10.2	23	.45	1.4	2>	22
373	PG373	4788.330	1372.920	17	1>	38	4	31	15	142	.08	.15	5>	1	.11	12	2>	.092	6.4	13	.68	2.0	2>	21
374	PG374	4788.860	1372.830	8	1>	32	1>	31	4	132	.04	.01	5>	1>	.06	6	2>	.036	5.9	22	.77	3.2	2>	6
375	PG375	4788.290	1372.490	1>	1>	48	3	29	10	64	.07	.20	64	1>	.09	9	5	.040	6.4	10	.92	2.4	2>	20
376	PG376	4788.740	1372.420	7	1>	40	2	31	7	122	.04	.05	5>	3	.05	4	4	.041	4.9	28	.77	2.6	2>	13
377	PG377	4788.080	1372.290	3	1>	61	15	31	16	67	.06	.15	316	1	.09	9	9	.035	9.0	13	.79	2.2	2>	32
378	PG378	4788.290	1372.160	15	1>	88	7	178	17	634	.16	.33	5>	1>	.21	39	9	.041	6.5	58	.42	1.2	2>	31
379	PG379	4788.720	1371.980	6	1>	66	3	54	6	126	.04	.04	200	1>	.10	21	6	.053	6.6	26	1.02	3.0	2>	21
380	PG380	4789.320	1372.480	1>	1>	46	6	48	12	107	.05	.05	5>	1	.10	11	3	.037	3.7	26	.81	3.2	2>	21
381	PG381	4789.890	1372.530	4	1>	40	8	73	15	104	.05	.06	5>	1>	.08	29	2>	.054	10.3	24	.90	3.2	2>	26
382	PG382	4789.320	1371.970	26	1>	145	31	34	36	245	.21	.28	1152	1>	.28	20	5	.049	15.1	36	.59	2.2	2>	63
383	PG383	4790.530	1372.700	15	1>	33	1>	68	9	132	.07	.04	5>	5	.12	15	2>	.042	6.4	25	.73	3.0	2>	14
384	PG384	4790.550	1372.200	1>	1>	54	11	60	12	55	.06	.07	5>	1>	.08	13	8	.033	5.0	32	.95	3.8	2>	29
385	PG385	4791.080	1372.770	1>	1>	39	4	57	6	48	.04	.03	5>	1>	.06	14	6	.034	7.2	25	.83	3.0	2>	7
386	PG386	4791.730	1372.690	35	1>	41	2	210	9	86	.04	.03	5>	1>	.08	40	2>	.044	3.5	32	.63	3.0	2>	16
387	PG387	4791.690	1372.400	13	1>	55	4	47	12	40	.06	.04	5>	1>	.08	14	2>	.048	7.5	35	.71	2.6	2>	9
388	PG388	4791.730	1372.020	1>	1>	125	2	60	11	51	.06	.05	5>	2	.07	13	9	.046	3.1	32	.74	2.8	2>	17
389	PG389	4792.320	1372.760	31	1>	55	2	72	9	46	.05	.03	5>	1>	.06	28	6	.055	5.1	40	.70	2.8	2>	9
390	PG390	4792.290	1372.220	8	1>	37	3	56	10	33	.04	.03	5>	1>	.07	18	2>	.032	5.2	21	.64	3.4	2>	12
391	PG391	4793.830	1372.900	1>	1>	62	32	117	15	50	.05	.08	716	1>	.06	46	9	.041	3.8	17	1.20	3.2	2>	33
392	PG392	4793.080	1372.570	34	1>	148	36	58	34	160	.35	.37	1397	1>	.20	20	9	.064	7.9	39	.71	2.6	2>	56
393	PG393	4793.130	1372.080	11	1>	68	4	41	17	53	.17	.15	5>	1	.14	11	4	.042	5.0	35	.66	3.2	2>	30
394	PG394	4793.780	1372.140	1>	1>	64	6	28	8	59	.05	.03	151	1>	.04	2	7	.033	.2>	22	.85	3.0	2>	15
395	PG395	4794.530	1372.640	27	2	163	24	45	33	138	.38	.41	882	1>	.18	18	2>	.087	6.5	64	.73	2.4	2>	60
396	PG396	4794.930	1372.620	38	1>	152	19	51	40	102	.40	.45	294	1>	.22	21	2>	.078	9.5	50	.65	2.4	2>	54
397	PG397	4794.190	1372.360	15	1>	236	26	52	32	95	.51	.49	1371	1>	.23	19	22	.095	4.5	79	.94	2.6	2>	88
398	PG398	4795.510	1372.840	10	1>	92	2	51	19	151	.33	.24	5>	1	.13	24	10	.073	3.5	51	.67	3.6	2>	40
399	PG399	4795.500	1372.420	1>	1>	54	4	29	4	36	.05	.06	173	1>	.05	2	20	.041	8.3	29	.92	3.0	2>	9
400	PG400	4795.920	1372.480	6	1>	65	5	37	7	30	.05	.05	193	1>	.04	2	7	.039	9.2	24	1.19	3.6	2>	12

List of Geochemical Analysis(9)

Ser. No.	Sample No.	Location (km) X-coord	Location (km) Y-coord	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm
401	PG401	4795.200	1372.090	23	1>	89	7	114	17	172	.29	.20	5>	1	.17	29	18	.071	2.2	49	.84	3.4	2>	32
402	PG402	4785.120	1371.840	1>	1	52	26	71	15	83	.05	.13	325	1	.10	13	10	.027	4.1	14	1.07	2.0	2>	31
403	PG403	4785.130	1371.230	2	1>	29	2	37	5	111	.05	.03	5>	3	.07	14	4	.034	5.4	24	.68	3.0	2>	6
404	PG404	4785.490	1371.530	1>	1>	32	2	40	9	78	.06	.05	5>	1>	.09	5	6	.038	.9	25	.77	3.6	2>	12
405	PG405	4786.020	1371.800	1>	1>	166	52	35	20	192	.54	.36	2361	1>	.20	9	18	.042	6.4	46	.85	3.0	2>	31
406	PG406	4786.700	1371.780	1>	1>	67	5	24	19	199	.06	.17	5>	2	.10	3	2>	.037	8.2	25	.86	3.2	2>	22
407	PG407	4786.970	1371.630	6	4	133	2	15	29	189	.20	.72	5>	1>	.17	4	2>	.043	3.0	55	.51	1.8	2>	34
408	PG408	4785.990	1371.380	15	1>	44	1>	48	5	120	.13	.07	5>	5	.07	3	10	.036	.7	27	.57	3.2	2>	8
409	PG409	4786.460	1371.390	10	1>	54	1>	40	25	1486	.10	.18	5>	3	.19	5	2>	.099	2.5	56	.60	2.6	2>	26
410	PG410	4786.860	1371.430	1>	4	124	2	30	12	209	.41	.35	5>	1	.13	16	2>	.040	5.8	19	.50	1.6	2>	26
411	PG411	4786.460	1371.060	1>	5	63	1>	38	7	580	.07	.08	5>	1	.12	2	5	.052	4.0	68	.78	2.8	2>	8
412	PG412	4786.990	1370.970	11	6	260	4	52	30	266	1.57	.57	5>	1>	.18	8	2>	.051	.7	27	.26	1.2	2>	37
413	PG413	4787.130	1371.920	13	2	72	2	29	31	401	.07	.39	5>	1>	.11	40	2>	.061	5.2	83	.52	1.8	2>	30
414	PG414	4787.380	1371.680	1>	1>	61	4	23	29	433	.19	.23	5>	1>	.11	2	2>	.047	5.6	16	.49	1.6	2>	26
415	PG415	4787.710	1371.660	4	7	65	4	28	24	164	.09	.08	5>	1>	.10	6	2>	.047	6.1	43	.60	2.4	2>	46
416	PG416	4787.940	1371.960	10	1>	64	1	34	20	618	.06	.39	5>	1	.13	4	2>	.042	3.9	30	.48	2.2	2>	52
417	PG417	4787.130	1371.420	41	15	213	5	36	16	187	1.34	.43	5>	1>	.12	11	2>	.042	.3	80	.36	1.2	2>	24
418	PG418	4787.480	1371.330	1>	1>	140	1>	48	25	293	.10	.16	5>	1>	.17	3	3	.078	.2>	156	.43	1.8	2>	13
419	PG419	4787.260	1371.060	2	1>	215	3	87	22	271	.66	.39	5>	1>	.20	10	13	.119	7.6	68	.41	1.6	2>	29
420	PG420	4787.760	1371.170	10	2	492	1>	39	14	173	1.07	.34	5>	1	.22	10	5	.181	.2>	185	.38	1.6	2>	16
421	PG421	4788.240	1371.600	4	1>	132	19	18	43	355	.04	.14	12	1	.15	5	2>	.063	.2>	106	.55	2.4	2>	30
422	PG422	4788.700	1371.490	80	10	131	1>	12	20	209	.53	.44	5>	1>	.13	1>	12	.085	9.5	94	.43	1.4	2>	12
423	PG423	4788.220	1371.070	4	1>	149	1>	21	14	451	.15	.08	5>	1>	.21	1>	2>	.079	.2>	233	.44	1.6	2>	9
424	PG424	4788.930	1371.110	1>	1>	44	3	27	5	121	.05	.01	5>	1>	.06	2	2>	.045	7.1	30	.62	2.2	2>	4
425	PG425	4789.830	1371.840	71	1>	62	64	30	27	173	.06	.07	1470	1	.17	4	7	.044	21.4	13	.78	2.2	2>	38
426	PG426	4789.830	1371.320	21	5	76	5	32	22	110	.20	.13	5>	1>	.14	7	2>	.028	5.0	22	.59	2.8	2>	32
427	PG427	4790.540	1371.820	8	1>	79	11	1025	10	76	.07	.07	91	1>	.08	288	35	.049	7.3	26	.91	3.0	2>	30
428	PG428	4790.690	1371.380	3	1>	68	6	40	6	56	.05	.03	100	1>	.06	8	11	.031	5.8	24	.74	3.0	2>	11
429	PG429	4790.330	1371.140	1	1	67	4	16	9	68	.13	.10	5>	1>	.08	1>	2>	.033	3.6	13	.56	1.8	2>	17
430	PG430	4791.210	1371.420	14	1>	61	5	46	11	62	.12	.12	46	1>	.10	8	5	.052	8.1	34	1.01	3.0	2>	20
431	PG431	4791.730	1371.630	23	1>	44	7	50	15	41	.06	.05	5>	1>	.11	8	5	.041	8.8	22	.89	3.2	2>	15
432	PG432	4791.030	1371.080	7	2	69	4	35	9	50	.19	.06	33	1>	.05	7	4	.028	4.1	24	.41	1.6	2>	16
433	PG433	4791.420	1371.210	11	1>	36	1	34	11	64	.04	.04	5>	1>	.06	4	3	.034	3.7	21	.81	3.6	2>	15
434	PG434	4791.780	1371.140	31	1>	42	1>	37	12	80	.06	.04	5>	13	.07	6	6	.046	1.4	30	.77	3.8	2>	13
435	PG435	4792.260	1371.750	11	5	51	3	139	12	38	.05	.04	5>	1	.09	40	10	.045	3.8	23	1.09	4.0	2>	24
436	PG436	4792.780	1371.690	71	1>	46	1>	56	34	104	.11	.04	5>	1>	.16	20	4	.077	.8	15	.65	4.0	2>	28
437	PG437	4792.540	1371.450	30	1>	52	6	75	20	86	.06	.05	5>	2	.12	16	7	.062	5.8	22	.86	3.4	2>	30
438	PG438	4792.430	1371.130	11	1>	62	3	60	11	128	.08	.04	5>	2	.07	7	2>	.035	3.5	25	.77	3.2	2>	13
439	PG439	4792.830	1371.260	1>	1>	42	4	46	11	40	.06	.05	5>	1>	.07	4	7	.040	6.3	18	1.10	3.8	2>	20
440	PG440	4793.320	1371.590	8	1>	54	5	38	9	98	.04	.05	74	1>	.07	3	5	.053	4.6	29	.91	3.6	2>	18
441	PG441	4793.790	1371.620	1>	1>	84	14	34	19	139	.08	.09	523	1>	.08	3	10	.055	6.3	30	1.17	3.4	2>	40
442	PG442	4794.180	1371.720	1>	1>	48	20	45	20	37	.05	.02	487	1	.08	14	23	.049	7.0	12	1.26	3.4	2>	33
443	PG443	4794.250	1371.290	6	1>	76	25	31	18	58	.04	.04	515	1>	.07	12	9	.038	8.6	15	1.32	2.6	2>	24
444	PG444	4795.500	1371.700	1>	1>	50	1	43	5	37	.05	.06	111	1	.04	6	12	.030	6.7	25	1.18	3.4	2>	11
445	PG445	4795.820	1371.310	9	1>	48	1	47	5	30	.06	.04	10	1>	.04	7	11	.027	4.3	24	.73	3.2	2>	7
446	PG446	4785.150	1370.770	16	1>	63	6	75	30	345	.18	.33	5>	1>	.13	24	13	.046	16.9	24	.54	2.2	2>	35
447	PG447	4785.580	1370.870	29	1>	55	2	45	23	379	.08	.21	5>	1	.10	11	2>	.040	19.5	18	.54	1.8	2>	46
448	PG448	4785.770	1370.540	1>	2	66	7	46	25	2661	.06	.74	5>	3	.15	10	2>	.043	4.5	31	.77	1.8	2>	40
449	PG449	4785.130	1370.280	17	1>	29	3	42	8	77	.04	.02	5>	1	.06	10	10	.038	.2	16	.50	2.4	2>	12
450	PG450	4785.570	1370.360	4	1>	286	37	63	49	85	.51	.95	909	3	.34	21	2>	.037	.4	79	.68	2.0	2>	57

List of Geochemical Analysis(10)

Ser. No.	Sample No.	Location (km) X-coord	Location (km) Y-coord	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm
451	PG451	4786.150	1370.830	32	1>	68	1>	58	13	360	.16	.14	5>	3	.09	12	8	.051	6.5	44	.51	3.2	2>	19
452	PG452	4786.660	1370.820	20	1>	110	2	54	9	380	.32	.25	5>	3	.12	7	10	.034	1.2	101	.48	2.6	2>	9
453	PG453	4786.430	1370.490	23	1>	92	2	32	15	617	.34	.54	5>	4	.13	4	8	.052	6.5	96	.55	1.8	5	15
454	PG454	4786.770	1370.510	11	1>	140	1>	34	9	412	.33	.33	5>	4	.16	13	8	.045	3.1	125	.57	2.4	2>	13
455	PG455	4786.970	1370.460	24	1>	177	1>	22	17	579	.49	.42	5>	2	.13	15	3	.060	4.5	69	.56	2.0	2>	11
456	PG456	4786.180	1370.190	8	1>	72	2	45	37	3278	.08	.80	5>	1	.20	5	2>	.047	.2>	19	.51	1.8	2>	41
457	PG457	4786.580	1370.200	15	1>	79	1>	50	23	618	.12	.34	5>	2	.12	16	5	.062	4.3	27	.60	2.0	2>	31
458	PG458	4786.880	1370.190	52	19	86	2	49	18	348	.29	.40	5>	2	.12	25	2>	.053	12.0	38	.55	1.8	2>	24
459	PG459	4787.020	1370.750	31	14	88	1>	17	11	161	.50	.19	5>	2	.08	13	14	.061	8.4	59	.56	1.6	2>	4
460	PG460	4787.550	1370.730	11	1>	141	1>	26	17	296	.46	.25	5>	1	.16	14	3	.057	2.9	74	.52	1.8	2>	14
461	PG461	4788.030	1370.510	16	1>	127	1>	27	10	190	.20	.14	5>	3	.09	6	4	.051	1.4	46	.47	1.6	2>	5
462	PG462	4787.500	1370.360	1>	1>	111	4	81	14	158	.15	.23	5>	2	.09	12	2	.035	4.2	64	.55	1.4	2>	18
463	PG463	4787.190	1370.130	1>	1>	116	2	43	12	515	.28	.23	5>	2	.14	8	2>	.051	.2>	162	.50	2.2	2>	13
464	PG464	4787.550	1369.980	14	1>	93	1>	29	8	195	.24	.16	5>	3	.10	3	2>	.051	3.0	111	.48	2.2	2>	7
465	PG465	4787.930	1370.130	26	1>	107	1>	31	5	195	.24	.16	5>	2	.07	2	5	.049	3.7	93	.44	1.6	2>	3
466	PG466	4788.540	1370.830	3	1>	78	1>	30	5	409	.11	.05	5>	2	.06	11	13	.049	8.3	54	.37	1.8	2>	4
467	PG467	4788.850	1370.530	28	7	114	1>	19	7	626	.20	.13	5>	2	.09	6	30	.074	8.0	98	.43	1.2	2>	16
468	PG468	4788.400	1370.310	23	1>	78	1>	34	3	197	.07	.04	5>	3	.05	5	13	.048	6.5	54	.48	1.6	2>	1
469	PG469	4788.960	1370.290	14	3	124	1>	23	10	417	.08	.10	5>	2	.07	6	14	.060	7.6	91	.44	1.6	2>	15
470	PG470	4789.280	1370.080	8	1>	56	1>	31	10	151	.08	.07	5>	4	.08	5	2>	.046	3.4	22	.62	2.8	2>	19
471	PG471	4789.630	1370.330	6	1>	51	1	19	9	213	.08	.07	133	2	.08	4	13	.104	4.2	42	.36	2.2	2>	15
472	PG472	4790.060	1370.710	9	1>	68	31	17	13	82	.10	.15	1384	1>	.07	7	7	.025	4.0	22	.76	3.0	2>	37
473	PG473	4790.390	1370.310	24	1>	88	1>	38	7	78	.10	.07	5>	3	.06	7	8	.046	2.6	30	.59	2.4	2>	9
474	PG474	4791.250	1370.770	18	1>	224	11	26	17	61	.91	.26	109	1	.24	8	3	.026	3.8	45	.37	1.6	2>	25
475	PG475	4791.520	1370.870	19	2	72	5	31	13	66	.13	.08	5>	2	.07	10	7	.041	6.9	31	.82	2.6	2>	20
476	PG476	4791.730	1370.630	22	1	188	26	36	16	99	.50	.24	600	3	.14	13	14	.056	9.6	41	.98	3.0	2>	39
477	PG477	4791.840	1370.400	19	5	109	29	33	20	85	.13	.13	874	4	.07	9	14	.047	6.3	39	.78	3.0	2>	33
478	PG478	4791.280	1370.290	32	2	159	16	14	17	41	.54	.23	299	1>	.15	14	14	.020	2.5	30	.38	1.8	2>	23
479	PG479	4791.610	1370.170	29	83	82	1>	48	11	56	.16	.10	5>	4	.07	8	11	.042	4.2	34	.68	3.4	2>	13
480	PG480	4791.940	1370.130	29	1	148	13	50	18	126	.31	.25	238	7	.13	12	9	.075	7.8	42	.73	3.4	2>	34
481	PG481	4791.950	1370.860	30	2	47	1>	56	15	86	.05	.05	5>	6	.10	16	2>	.044	9.1	25	.92	4.0	2>	28
482	PG482	4792.340	1370.870	25	1>	61	1>	85	8	44	.06	.02	71	3	.05	14	3	.043	2.8	20	.73	2.6	2>	10
483	PG483	4792.630	1370.860	19	1>	39	2	49	9	60	.04	.04	5>	1	.05	20	10	.040	3.7	17	1.09	3.2	2>	21
484	PG484	4793.030	1370.940	9	1>	72	2	35	5	64	.04	.02	59	1	.04	8	15	.051	5.6	21	.87	3.2	2>	9
485	PG485	4792.150	1370.570	9	2	94	2	49	15	49	.08	.11	5>	4	.07	8	9	.062	4.5	42	1.08	3.0	2>	20
486	PG486	4792.530	1370.470	25	1>	64	2	58	11	48	.08	.10	72	4	.07	10	11	.045	4.5	30	.81	3.0	2>	18
487	PG487	4792.920	1370.640	49	1>	72	7	61	14	164	.12	.13	5>	5	.08	18	14	.047	4.9	42	.83	4.0	2>	36
488	PG488	4792.890	1370.330	22	1>	68	11	84	16	42	.08	.12	204	2	.06	17	15	.040	3.8	25	.80	3.4	2>	31
489	PG489	4792.330	1370.200	31	2	107	7	62	24	106	.20	.19	5>	2	.09	11	6	.056	8.6	31	.79	3.2	2>	32
490	PG490	4792.190	1370.170	16	4	132	10	39	32	127	.29	.27	5>	4	.13	15	8	.061	6.8	41	.73	3.4	2>	51
491	PG491	4793.220	1370.650	1>	1>	91	8	45	8	40	.04	.09	729	2	.04	49	11	.059	10.7	27	2.15	5.6	2>	64
492	PG492	4793.230	1370.370	13	1>	81	18	31	12	40	.05	.12	354	1	.06	9	3	.039	7.4	29	.98	3.0	2>	40
493	PG493	4794.090	1370.430	37	1>	95	3	46	14	79	.13	.14	5>	3	.07	7	11	.055	4.7	36	.79	4.0	2>	25
494	PG494	4794.410	1370.800	18	1>	51	1>	38	8	24	.05	.07	50	1>	.05	7	5	.049	5.0	24	1.02	3.4	2>	25
495	PG495	4795.470	1370.230	47	1>	233	29	81	19	110	.60	.66	3068	4	.31	36	2>	.074	11.4	113	.59	3.4	2>	66
496	PG496	4795.790	1370.470	46	2	128	11	31	10	54	.35	.36	390	2	.46	11	3	.160	7.7	143	.38	1.4	2>	32
497	PG497	4785.220	1369.810	11	1>	375	22	51	33	73	.35	.88	903	1>	.70	27	7	.064	10.8	134	.61	1.6	2>	62
498	PG498	4785.790	1369.900	1	1>	392	27	71	35	124	.65	.65	948	1>	.49	37	2>	.033	4.6	98	.65	2.0	2>	53
499	PG499	4785.260	1369.380	9	1>	360	42	102	43	136	1.29	.54	1453	1	.62	45	2>	.049	7.0	86	.97	2.4	2>	68
500	PG500	4785.840	1369.410	9	1>	252	41	59	41	445	.59	.64	2664	1>	.35	26	5	.051	8.8	74	.85	1.6	2>	61

List of Geochemical Analysis(11)

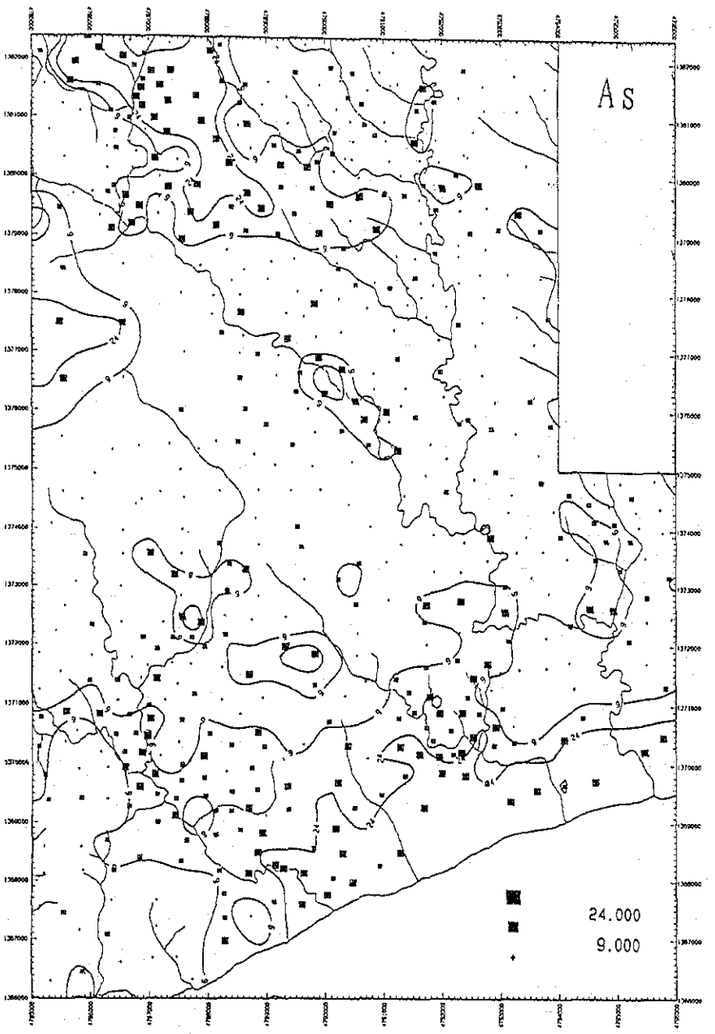
Ser. No.	Sample No.	Location (km) X-coord	Location (km) Y-coord	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm
501	PG501	4786.290	1369.930	1>	1>	85	37	49	27	356	.15	.70	1180	1	.12	12	2>	.049	.6	22	.81	1.4	2>	43
502	PG502	4786.580	1369.940	25	5	70	1>	30	14	477	.08	.32	5>	2	.08	2	4	.044	4.7	25	.71	2.0	2>	19
503	PG503	4786.280	1369.400	1>	6	370	25	52	34	155	.72	.57	1807	2	.38	29	2>	.064	6.3	97	.67	2.2	2>	65
504	PG504	4786.650	1369.280	19	1>	169	14	20	27	73	.34	.37	570	1	.11	6	2>	.040	5.4	41	.40	1.4	2>	33
505	PG505	4786.830	1369.620	31	2	63	3	50	24	299	.20	.37	5>	1	.14	8	2>	.050	.8	13	.48	1.2	2>	40
506	PG506	4787.090	1369.830	32	1>	69	1	28	20	237	.29	.17	5>	3	.10	6	2>	.031	1.5	16	.49	2.6	2>	38
507	PG507	4787.540	1369.720	12	1>	73	1>	23	12	154	.16	.14	5>	3	.09	4	2>	.051	.5	26	.59	1.8	2>	28
508	PG508	4787.930	1369.770	14	1>	76	1>	30	9	148	.14	.12	5>	2	.07	2	2	.048	3.2	52	.54	2.2	2>	20
509	PG509	4787.130	1369.480	9	1>	104	11	47	15	143	.11	.23	165	2	.07	9	9	.037	6.2	25	1.18	2.0	2>	35
510	PG510	4787.450	1369.410	15	1>	262	33	78	28	85	.85	.88	626	1	.35	29	6	.041	5.1	55	.67	1.6	2>	54
511	PG511	4787.950	1369.460	16	1>	110	5	153	20	331	.40	.38	5>	3	.12	22	4	.053	5.5	66	.51	2.0	2>	32
512	PG512	4787.140	1369.010	15	17	81	10	27	38	64	.24	.42	158	2	.10	6	2>	.040	.2>	16	.60	1.8	2>	38
513	PG513	4787.440	1369.120	26	1>	188	30	27	27	79	.53	.52	649	1>	.08	10	2>	.047	2.8	41	.53	2.0	2>	46
514	PG514	4787.890	1369.080	1>	1>	85	10	41	16	59	.06	.21	546	1>	.07	8	7	.035	4.0	25	1.04	2.8	2>	36
515	PG515	4788.300	1369.870	5	1>	98	1>	30	11	193	.24	.14	5>	2	.07	3	2>	.041	.3	34	.46	2.2	2>	17
516	PG516	4788.740	1369.930	17	1>	83	1>	66	8	185	.20	.15	5>	6	.08	6	5	.039	2.0	42	.61	3.2	2>	15
517	PG517	4788.400	1369.530	10	1>	58	2	49	7	167	.12	.07	5>	7	.07	5	5	.044	2.8	34	.63	2.6	2>	5
518	PG518	4788.830	1369.570	12	1>	52	3	36	6	81	.08	.06	5>	2	.06	5	6	.050	1.7	30	.62	2.8	2>	7
519	PG519	4788.130	1369.200	23	1>	185	2	40	38	46	.38	.52	5>	4	.28	7	2>	.035	5.9	21	.48	1.8	2>	30
520	PG520	4788.390	1369.200	16	1>	70	1>	42	7	102	.09	.09	5>	3	.06	6	6	.034	7.4	29	.58	2.4	2>	9
521	PG521	4788.690	1369.250	24	1>	73	1	66	10	141	.23	.14	5>	6	.09	8	11	.057	3.6	35	.65	3.2	2>	15
522	PG522	4788.980	1369.130	5	1>	49	2	43	6	72	.05	.04	5>	3	.06	6	4	.038	2.8	22	.65	3.2	2>	13
523	PG523	4789.350	1369.630	28	1>	51	3	30	4	93	.06	.04	5>	2	.06	4	5	.048	5.4	22	.55	2.8	2>	9
524	PG524	4789.370	1369.230	19	1>	69	5	40	6	76	.11	.09	5>	4	.06	5	6	.035	3.4	25	.75	3.0	2>	18
525	PG525	4790.210	1369.690	27	1>	62	5	44	7	72	.13	.08	5>	2	.05	7	4	.037	3.8	31	.65	2.8	2>	10
526	PG526	4790.500	1369.260	18	1>	121	49	28	8	88	.05	.06	1567	1>	.04	9	18	.043	5.6	22	.59	2.4	2>	30
527	PG527	4790.960	1369.480	19	1>	97	43	39	8	139	.05	.05	3708	1	.04	11	10	.052	7.1	32	.71	2.8	2>	47
528	PG528	4791.360	1369.810	16	5	121	2	7	5	34	.52	.06	5>	1>	.06	4	2>	.026	1.8	30	.54	2.0	2>	5
529	PG529	4791.690	1369.270	73	1>	108	26	75	9	76	.23	.47	2658	2	.20	37	9	.091	13.8	66	1.52	3.4	2>	54
530	PG530	4791.990	1369.860	27	1>	56	34	22	10	46	.06	.05	1309	2	.05	7	7	.040	7.8	19	.72	3.6	2>	19
531	PG531	4792.390	1369.820	26	1>	54	4	30	4	22	.04	.03	67	1>	.04	6	3	.032	7.1	20	.67	2.8	2>	12
532	PG532	4792.760	1369.700	17	1>	54	6	42	7	38	.11	.08	5>	1	.05	9	2>	.034	2.7	27	.62	2.4	2>	19
533	PG533	4793.170	1369.380	59	1>	114	15	48	10	31	.32	.61	641	1>	.39	18	2>	.116	5.4	109	.54	1.8	2>	52
534	PG534	4793.620	1369.570	48	1>	109	11	79	9	39	.38	.45	565	1>	.39	24	6	.128	8.8	114	.46	1.0	2>	36
535	PG535	4794.090	1369.660	19	2	155	7	30	16	50	.37	.17	10	1>	.28	10	15	.264	7.7	117	.37	2.2	2>	32
536	PG536	4794.620	1369.730	53	1>	108	20	70	9	43	.31	.35	407	1	.31	21	2>	.152	5.9	99	.54	.8	2>	36
537	PG537	4785.200	1368.580	5	1>	144	22	101	32	86	.22	.65	654	1>	.19	37	2>	.037	8.1	52	.61	1.0	2>	56
538	PG538	4785.830	1368.570	7	1>	345	14	26	17	71	.54	.98	258	1	.75	10	4	.040	6.6	191	.38	1.6	2>	35
539	PG539	4785.210	1368.120	1>	1>	211	13	47	24	74	.21	.53	60	1>	.18	20	2>	.030	4.4	46	.75	1.8	2>	38
540	PG540	4785.870	1368.170	4	1>	315	18	24	19	111	.50	.43	536	1>	.27	10	2>	.050	8.5	71	.52	1.8	2>	39
541	PG541	4786.270	1368.690	17	1>	404	23	21	20	74	1.11	.46	830	2	.56	11	2>	.037	4.7	99	.40	2.6	2>	30
542	PG542	4786.830	1368.410	10	1>	328	21	26	17	61	.99	.24	761	2	.42	15	5	.037	2.8	69	.65	3.2	2>	28
543	PG543	4786.400	1368.180	17	1>	409	17	23	19	54	.91	.37	266	2	.46	9	2>	.042	2.4	136	.63	2.8	2>	27
544	PG544	4787.620	1368.690	14	1>	110	5	36	24	196	.16	.82	5>	3	.13	11	2>	.059	2.5	42	.54	1.6	2>	44
545	PG545	4787.530	1368.340	16	1>	257	21	21	23	35	.95	.85	773	2	.28	10	5	.051	8.6	69	.60	1.6	2>	45
546	PG546	4788.130	1368.790	19	2	202	18	39	29	328	.54	.66	236	1>	.25	12	2>	.080	9.8	95	.55	2.0	2>	54
547	PG547	4788.550	1368.870	21	1>	48	4	21	5	76	.06	.03	5>	4	.05	6	16	.077	4.2	35	.59	2.4	2>	10
548	PG548	4788.920	1368.820	24	1>	58	2	37	6	48	.05	.06	93	1	.04	5	2>	.044	5.3	34	.67	3.0	2>	11
549	PG549	4788.840	1368.490	25	1>	45	1>	37	6	88	.07	.06	5>	2	.05	6	5	.036	3.7	21	.63	2.4	2>	12
550	PG550	4788.190	1368.170	9	1>	397	23	34	30	92	.65	.68	936	1>	.50	13	2>	.059	11.1	122	.60	2.2	2>	47

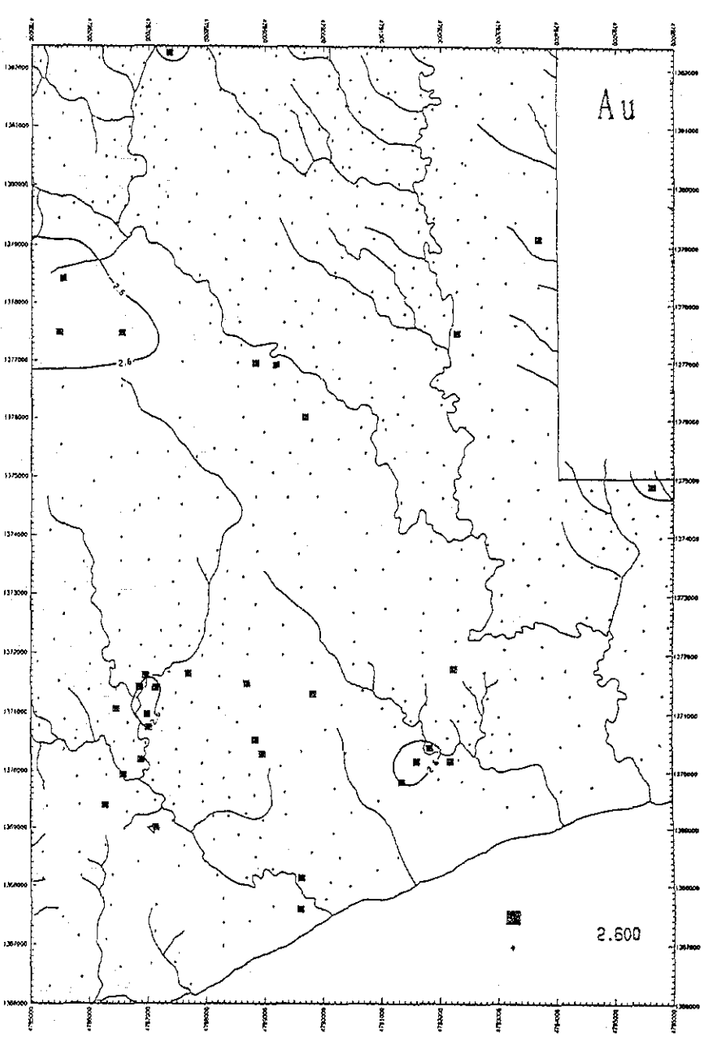
List of Geochemical Analysis(12)

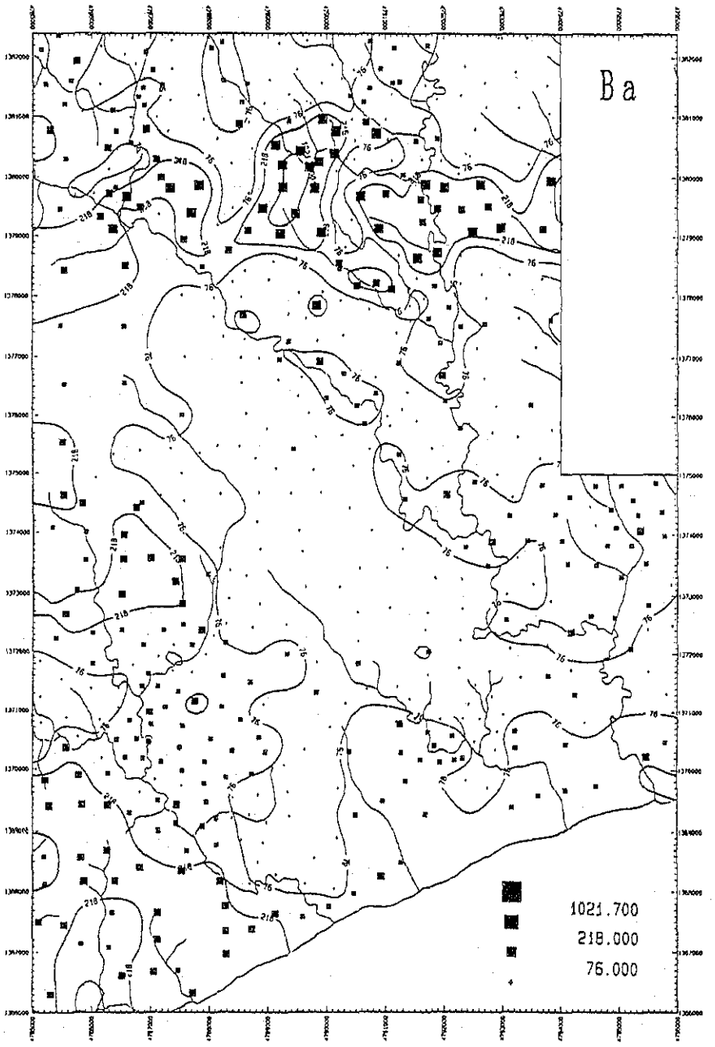
Ser. No.	Sample No.	Location (km) X-coord	Location (km) Y-coord	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm
551	PG551	4788.690	1368.130	24	1>	56	2	48	7	131	.07	.06	5>	4	.05	5	8	.035	4.2	23	.58	3.0	3	10
552	PG552	4789.280	1368.220	30	1>	38	2	33	5	62	.04	.04	74	1>	.05	5	5	.034	7.3	18	.73	3.0	2>	10
553	PG553	4789.800	1368.570	22	1>	73	56	38	11	97	.08	.10	1767	1	.05	15	5	.053	7.2	30	.56	2.2	2>	43
554	PG554	4789.140	1368.280	28	1>	65	3	39	8	135	.07	.09	5>	2	.06	5	4	.038	4.0	24	.58	2.6	2>	14
555	PG555	4789.630	1368.130	30	9	50	5	28	7	74	.06	.06	102	1>	.04	7	5	.041	8.1	21	.70	2.2	2>	18
556	PG556	4790.180	1368.900	32	1>	60	57	31	7	139	.05	.06	1637	2	.04	11	11	.049	6.9	22	.61	2.2	2>	22
557	PG557	4790.290	1368.480	29	1>	63	22	41	8	99	.07	.09	1158	1>	.05	11	11	.054	5.8	25	.63	2.6	2>	65
558	PG558	4790.930	1368.260	19	1>	278	16	48	33	10>	.60	.55	5>	2	.28	33	2>	.046	1.7	33	.45	5.2	2>	66
559	PG559	4791.280	1368.490	50	1>	89	19	50	10	15	.31	.93	1170	1>	.26	14	4	.072	11.7	104	1.15	2.0	2>	66
560	PG560	4785.110	1367.500	5	1>	305	27	21	25	63	1.37	.85	869	3	.60	10	2>	.040	5.7	82	.46	2.0	2>	50
561	PG561	4785.540	1367.450	11	1>	296	24	32	22	69	.66	.25	581	1	.31	21	2>	.030	5.8	46	.75	2.6	2>	45
562	PG562	4785.820	1367.140	7	1>	119	32	30	20	78	.32	.18	1236	2	.16	12	3	.034	6.1	24	1.09	3.2	2>	43
563	PG563	4786.360	1367.660	1>	1>	127	36	31	23	76	.13	.22	1413	1>	.15	13	3	.035	7.0	22	1.02	1.6	2>	43
564	PG564	4786.290	1367.080	14	1>	102	57	39	27	75	.18	.16	1823	1>	.15	15	2>	.026	7.6	13	1.49	3.2	2>	48
565	PG565	4787.130	1367.660	1>	1>	278	32	56	30	77	.52	1.09	1620	1>	.47	18	2>	.095	12.8	102	.86	1.6	2>	73
566	PG566	4787.120	1367.210	1>	1>	300	87	188	50	93	.09	.39	5172	1>	.14	39	13	.063	10.5	37	1.76	1.8	2>	88
567	PG567	4788.280	1367.770	11	1>	251	41	66	43	137	.56	.92	1231	1	.40	21	2>	.052	2.9	79	.77	1.6	2>	59
568	PG568	4788.290	1367.350	16	1>	402	32	27	29	113	.86	.78	1377	1>	.69	21	4	.067	5.9	124	.53	1.2	2>	54
569	PG569	4788.730	1367.380	3	1>	254	75	41	33	111	.10	.50	4332	1	.14	17	23	.048	4.9	29	1.09	2.2	2>	56
570	PG570	4789.130	1367.640	11	1>	271	73	53	38	140	.12	1.04	3630	2	.26	20	2>	.079	8.9	63	.88	1.8	2>	59
571	PG571	4789.600	1367.590	63	3	152	11	54	11	83	.71	.51	5>	3	.31	15	4	.147	4.4	69	.50	2.8	2>	41
572	PG572	4790.130	1368.050	19	1>	45	9	33	7	30	.06	.06	19	1>	.05	6	3	.031	5.0	17	.59	2.8	2>	14
573	PG573	4790.470	1367.980	96	1>	94	19	37	7	62	.23	.46	1166	1	.22	15	4	.072	9.6	67	.71	2.4	2>	39
574	PG574	4790.040	1367.760	91	1>	143	12	34	8	38	.37	.46	41	2	.33	12	3	.079	5.4	90	.38	1.6	2>	40
575	PG575	4785.320	1366.300	6	1>	293	39	48	52	60	.30	.35	2686	1	.18	15	27	.082	8.8	66	.76	1.4	2>	130
576	PG576	4785.870	1366.450	14	1>	41	16	44	22	43	.09	.22	5>	1	.14	22	2>	.037	8.8	12	.69	2.4	2>	41
577	PG577	4786.520	1366.620	1>	1>	326	83	329	53	116	.09	.41	3972	3	.16	78	6	.040	2.2	46	1.42	3.2	2>	59
578	PG578	4787.060	1366.680	1>	1>	238	61	132	31	60	.44	.39	2539	2	.24	57	4	.040	7.0	25	1.20	2.2	2>	60
579	PG579	4787.470	1366.700	2	1>	173	20	233	15	56	.62	.24	915	1	.29	21	2>	.030	11.7	46	1.41	3.6	2>	30
580	PG580	4787.730	1366.330	8	1>	381	37	92	30	56	.80	.89	2069	1>	.58	38	2	.081	6.9	120	.79	1.4	2>	66
581	PG581	4788.290	1366.970	24	1>	320	34	44	30	94	.29	.89	1168	1>	.50	28	2>	.051	4.3	96	.64	1.0	2>	57

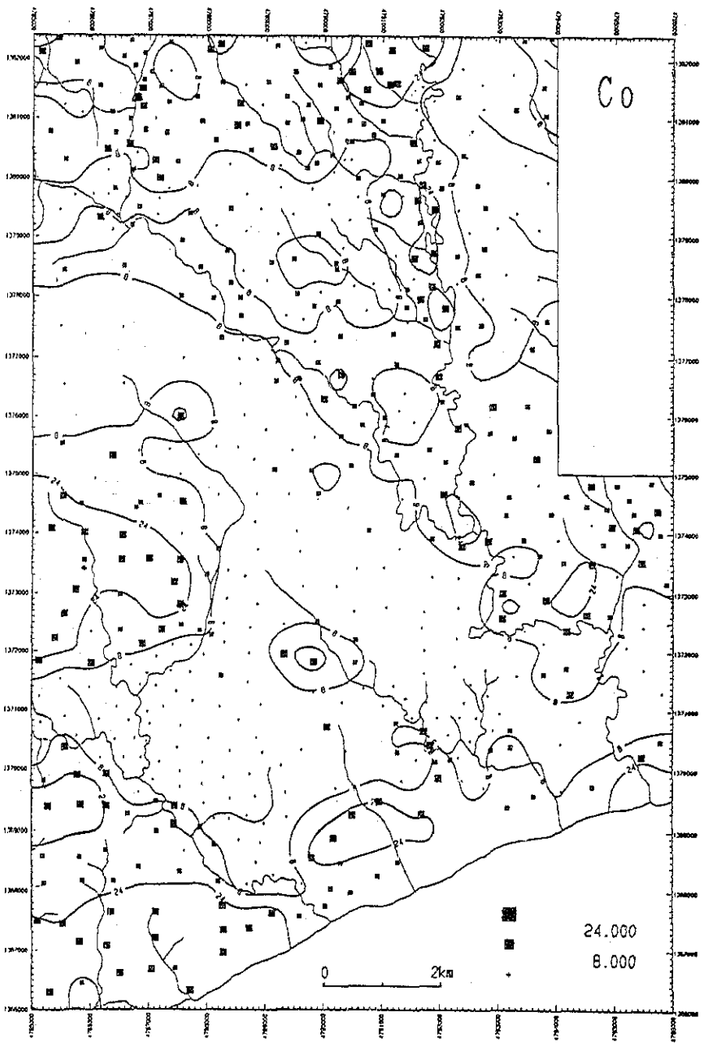
Appendix 41

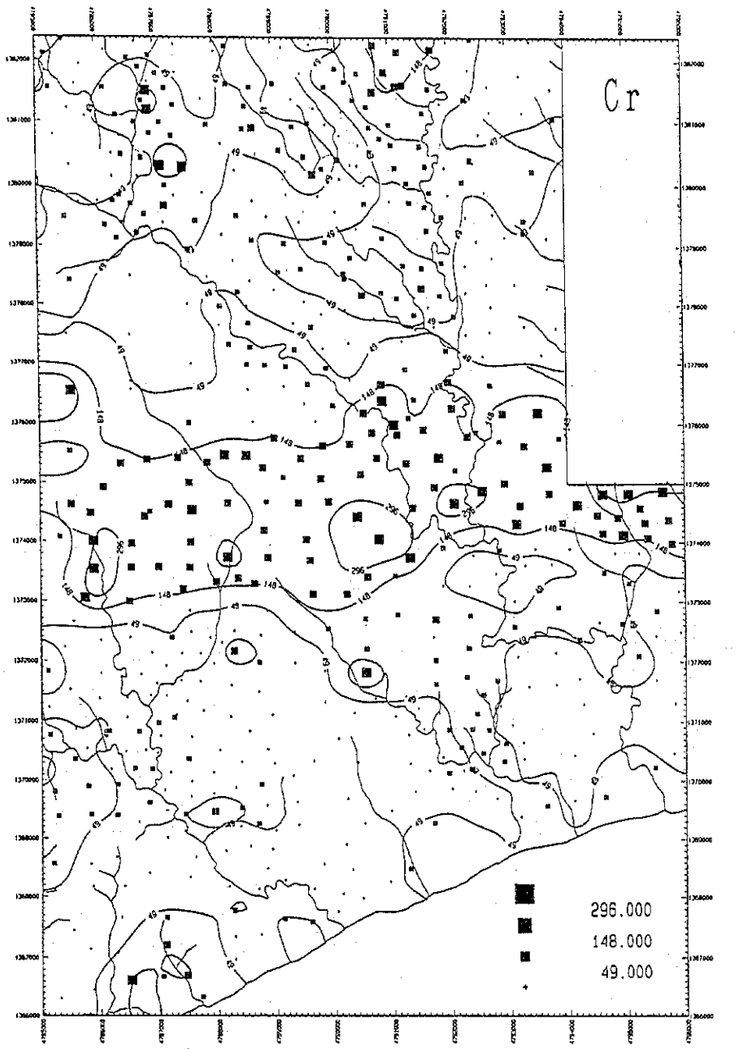
Distribution map of elements in Area G

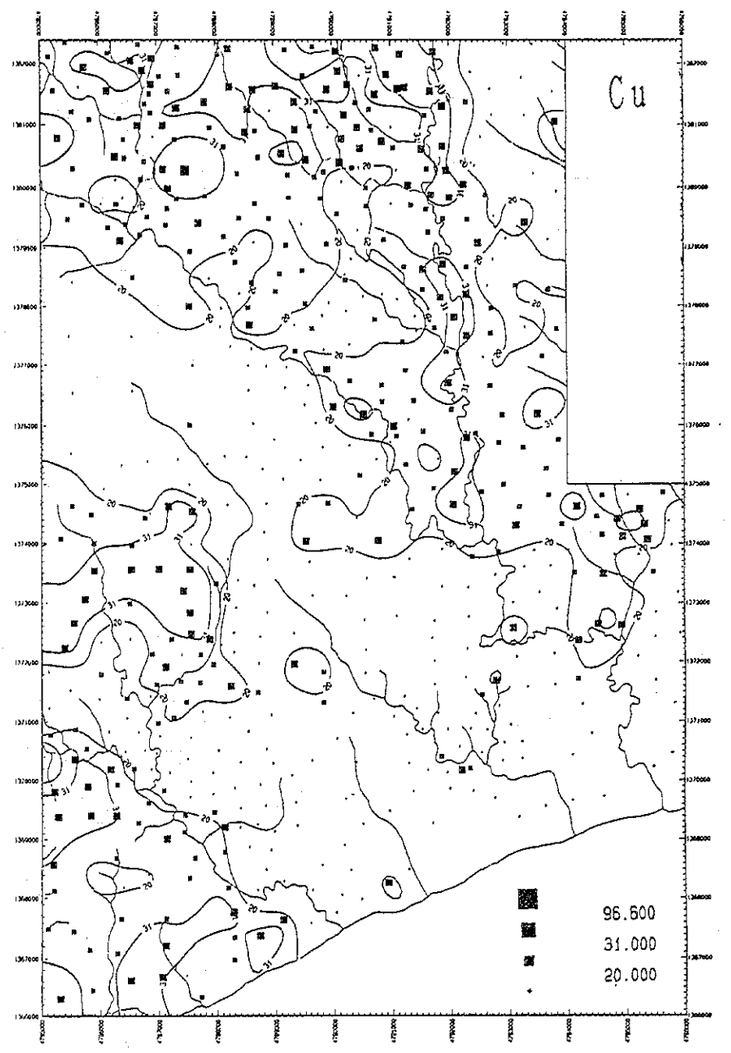

As
24.000
9.000

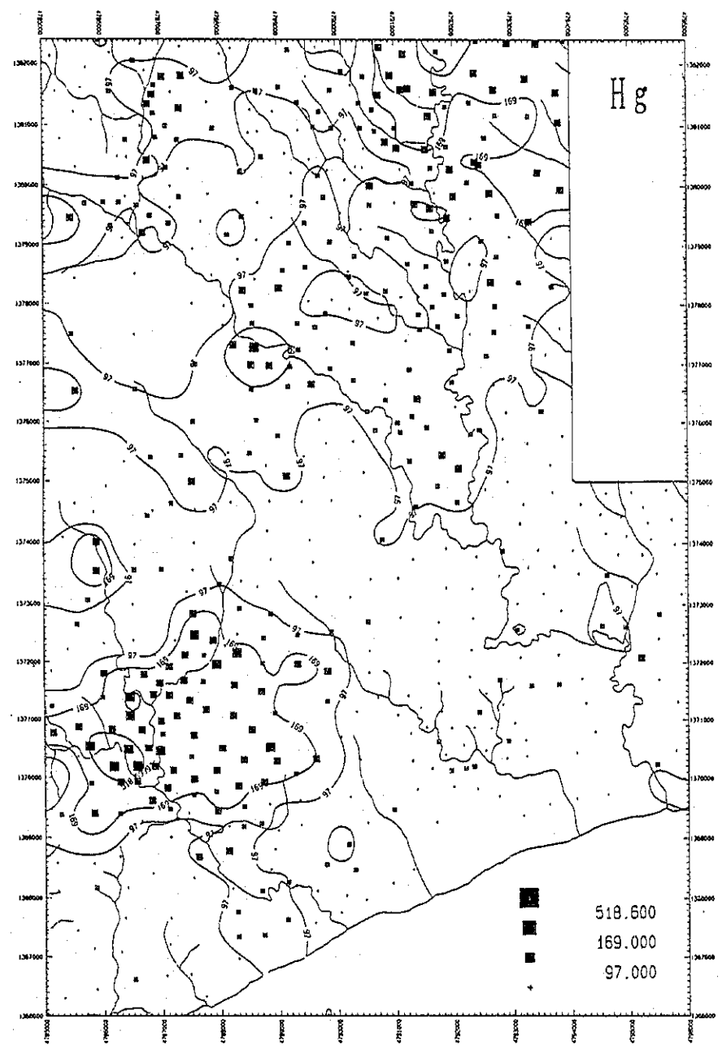

Au
2.600

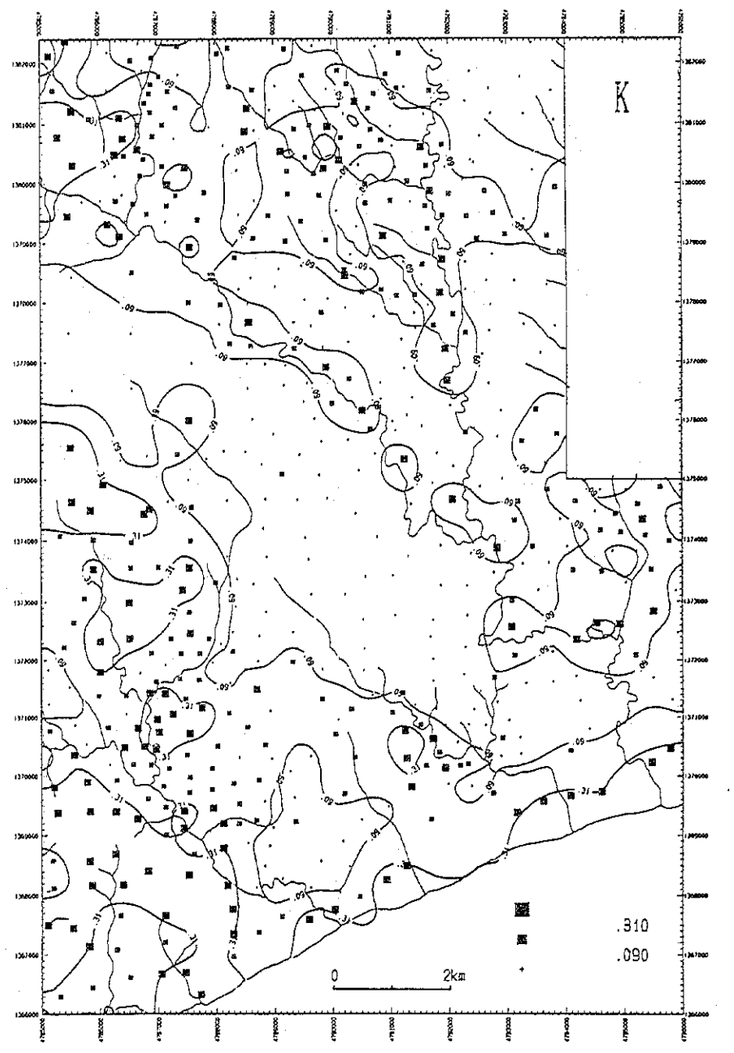

Ba
1021.700
218.000
76.000

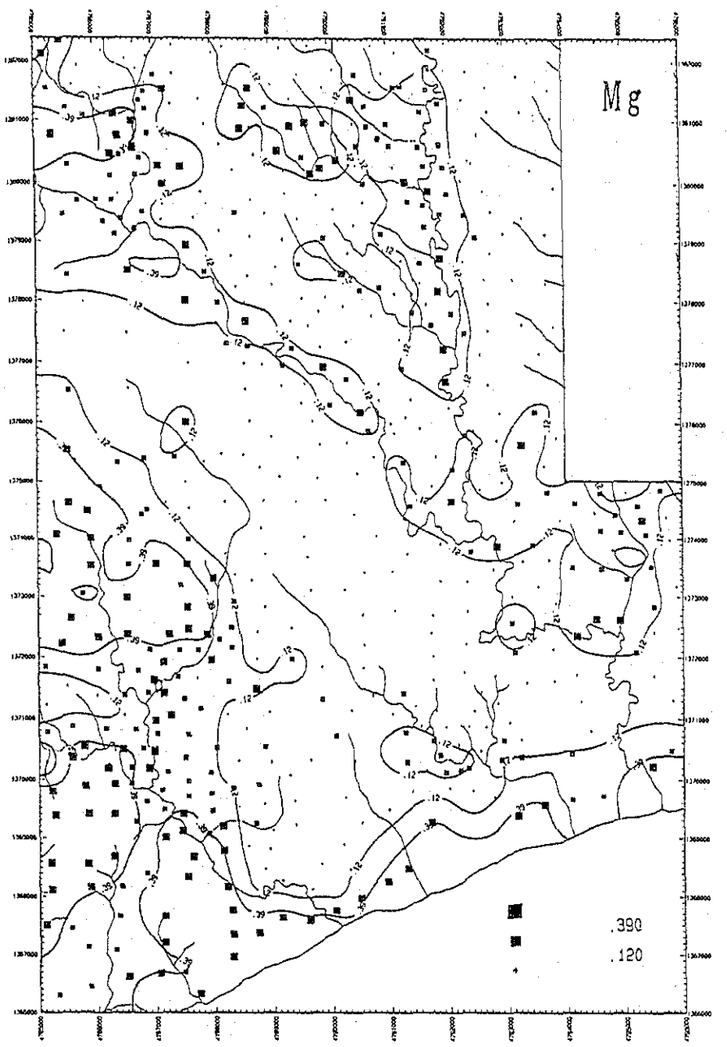

Co
24.000
8.000
0
2km

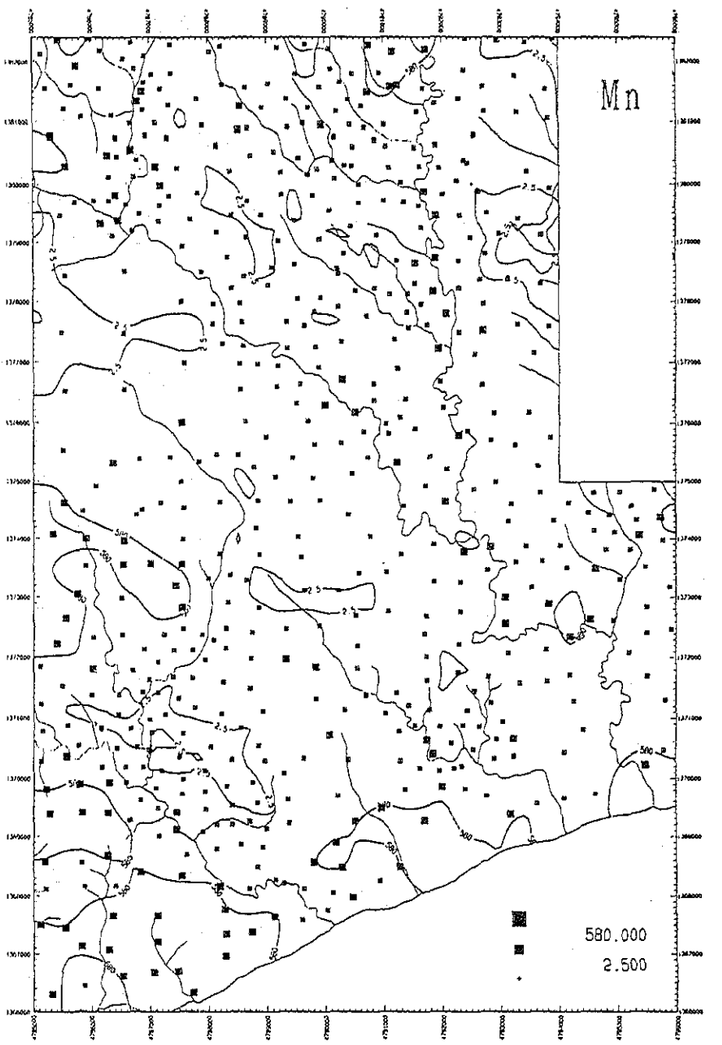

Cr
296.000
148.000
49.000

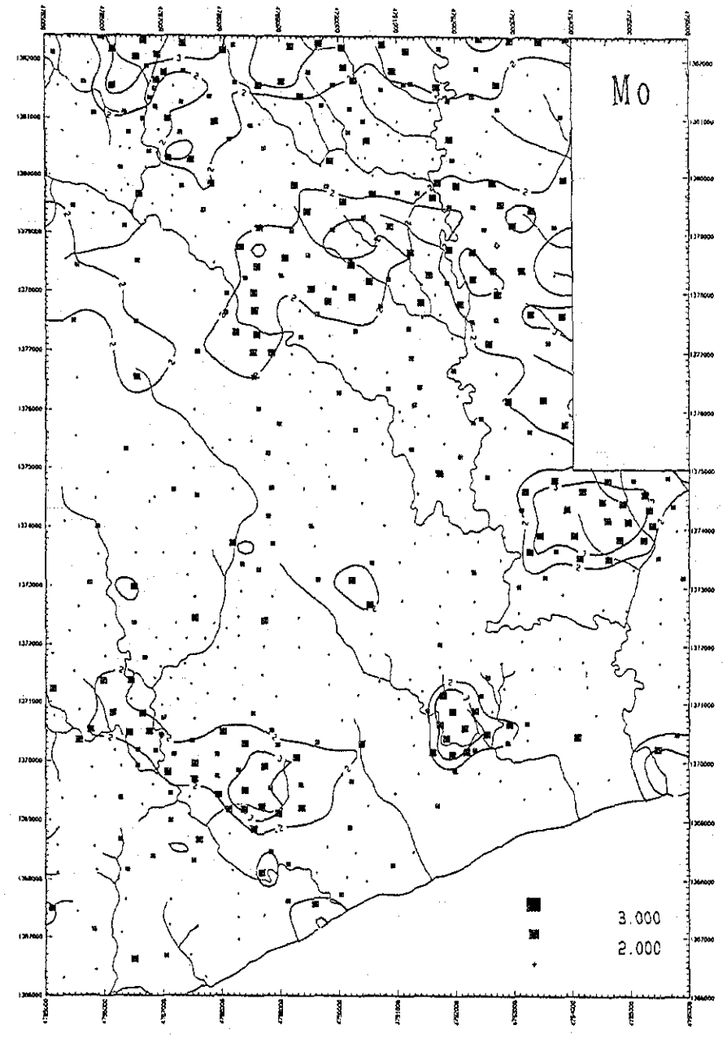

Cu
96.600
31.000
20.000

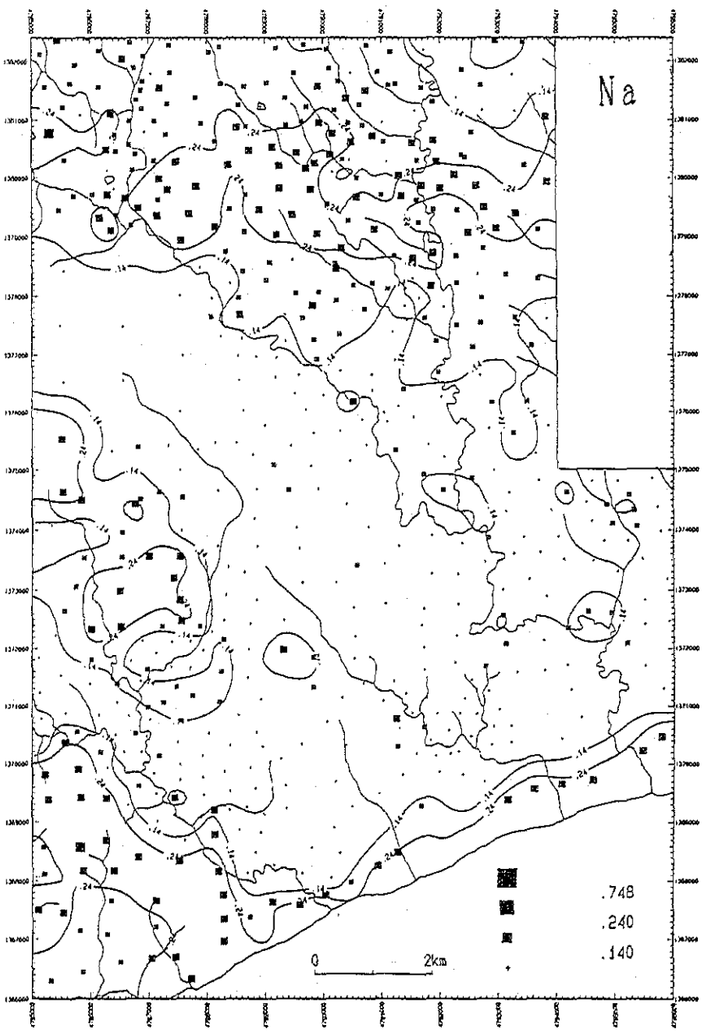

Hg
518.600
169.000
97.000

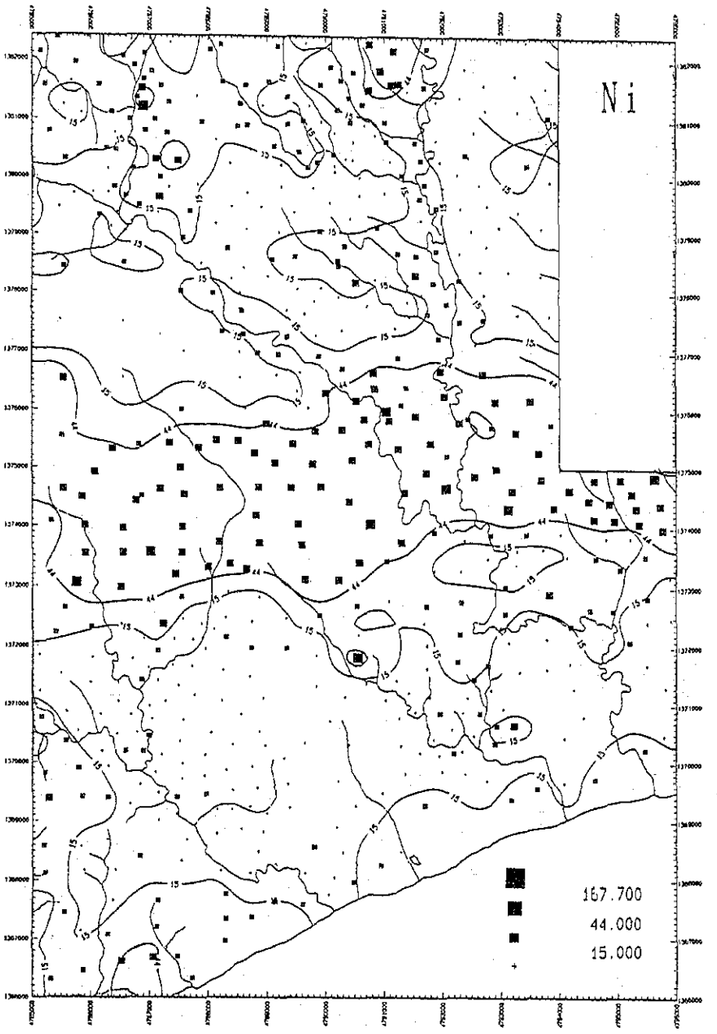

K
.310
.090
0
2km

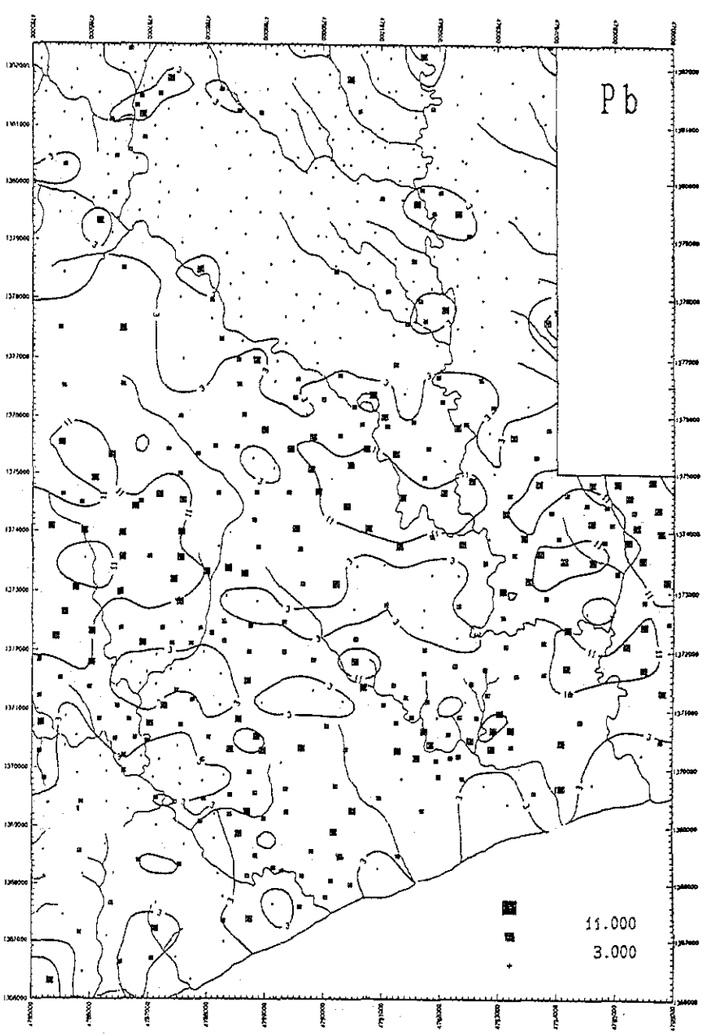

Mg
.390
.120

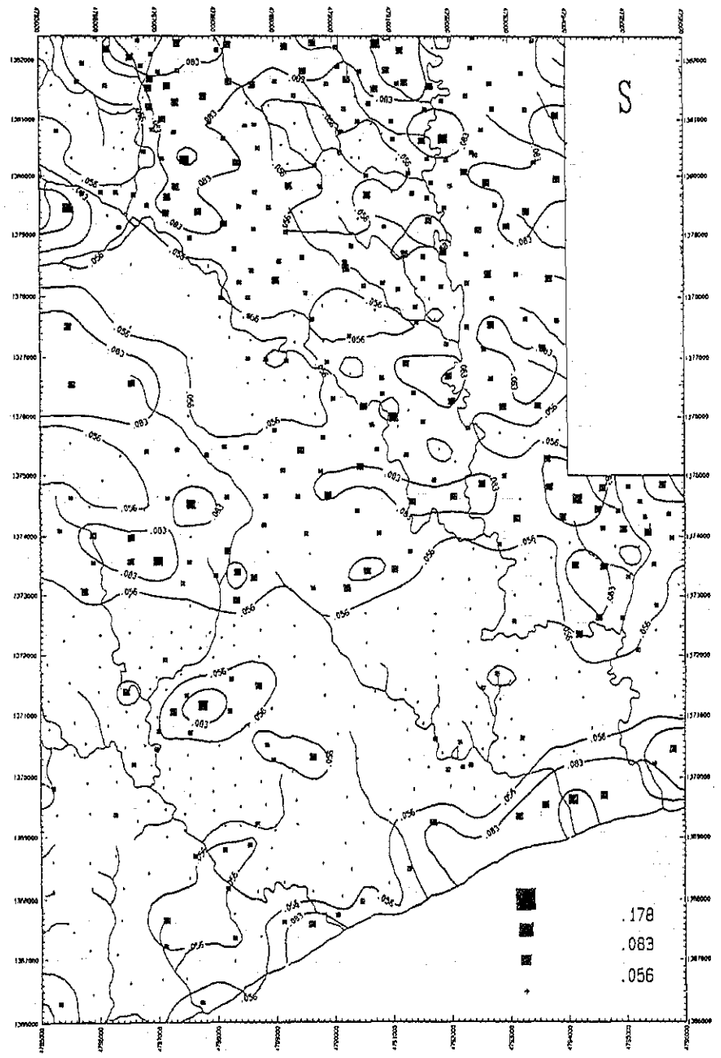

Mn
580.000
2.500

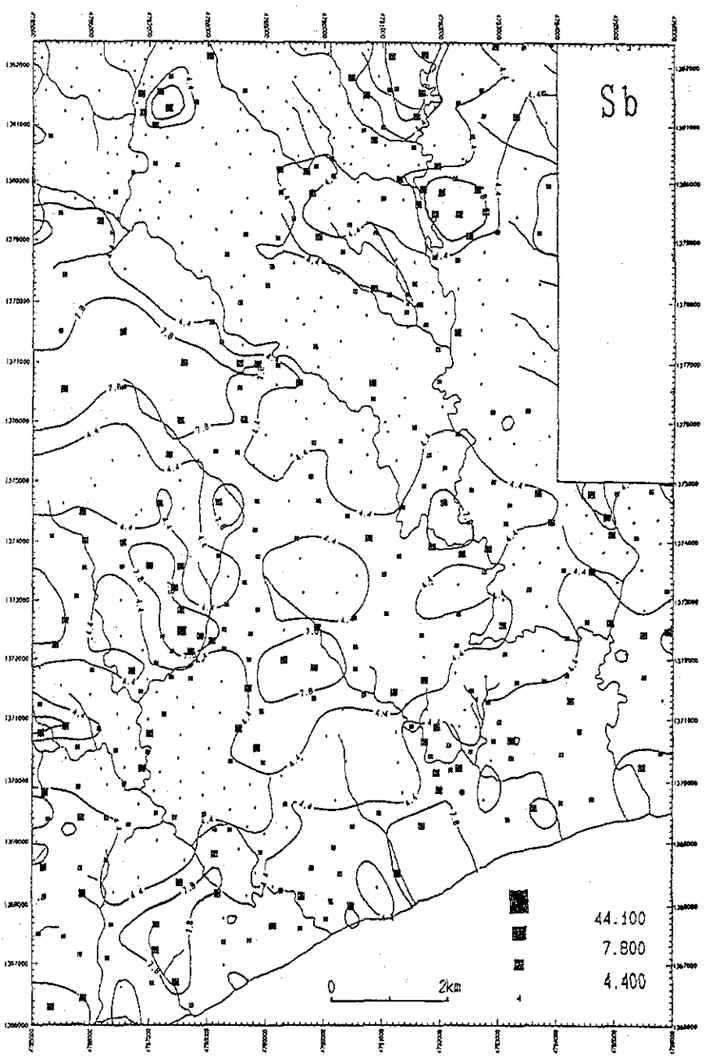

Mo
3.000
2.000

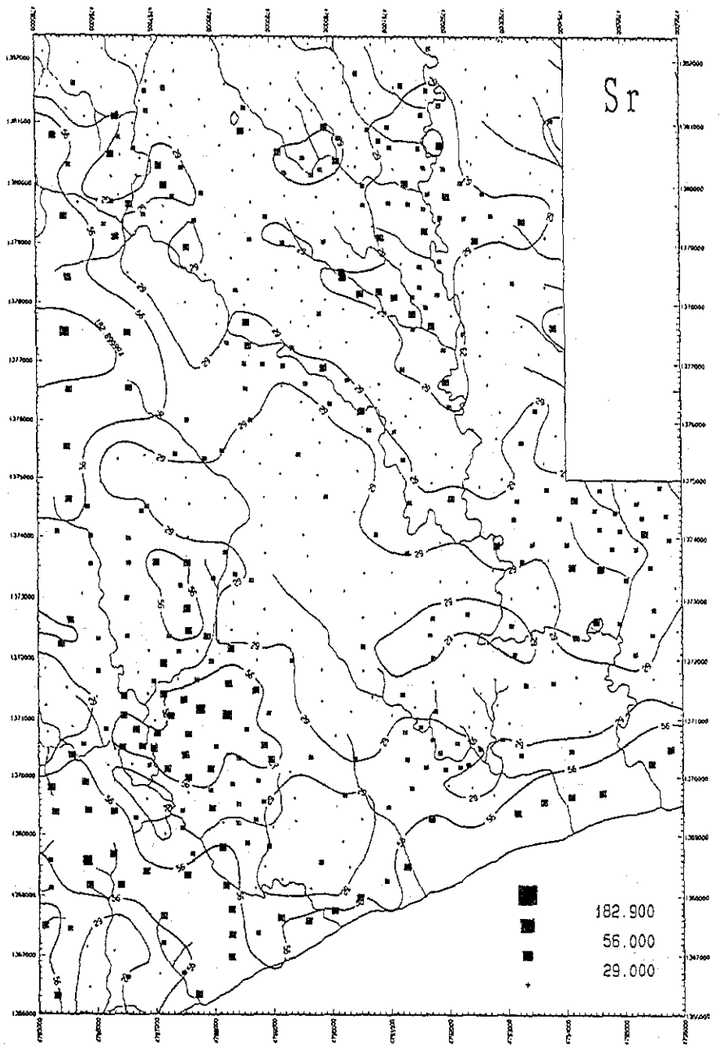

Na
.748
.240
.140
0
2km

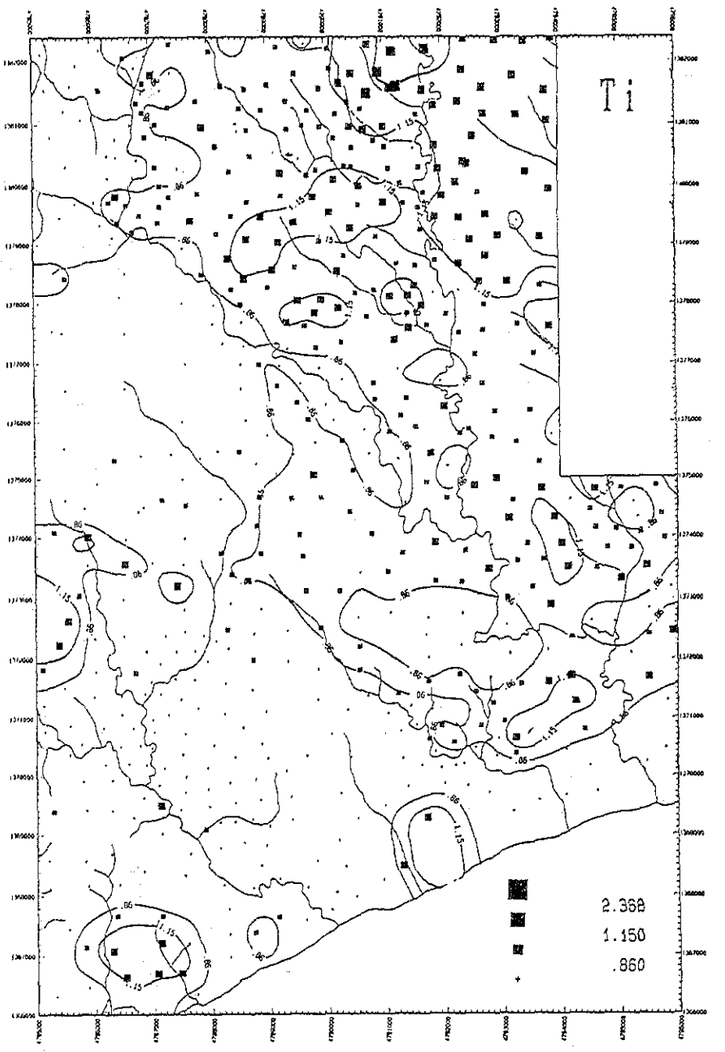

Ni
167.700
44.000
15.000

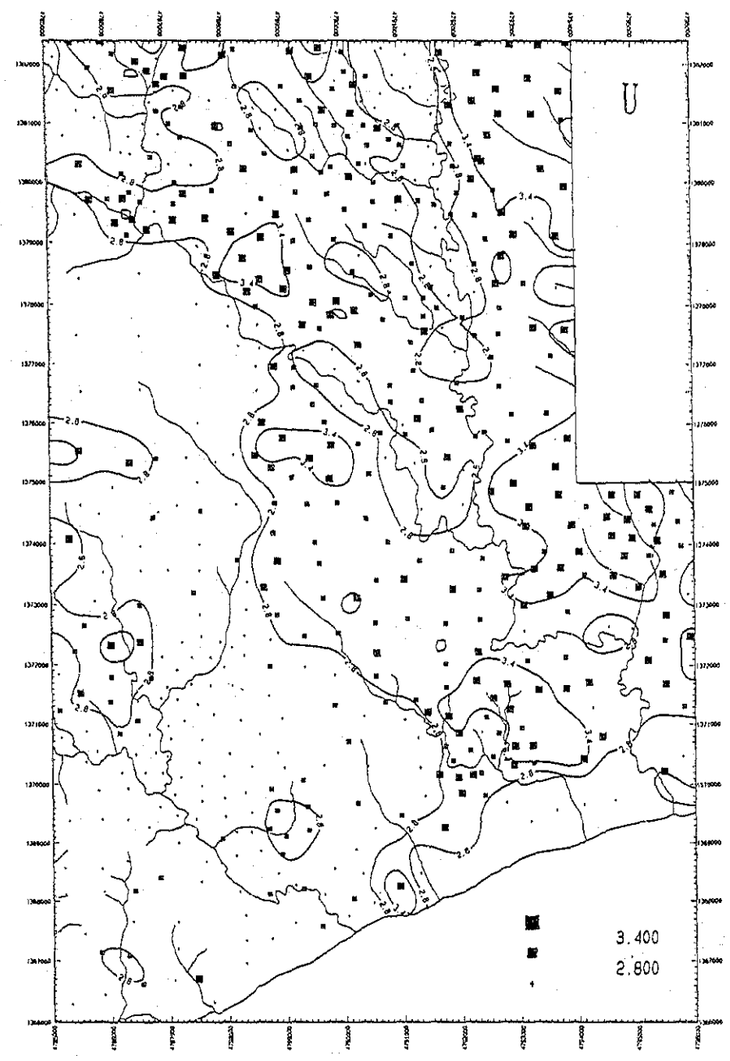

Pb
11.000
3.000

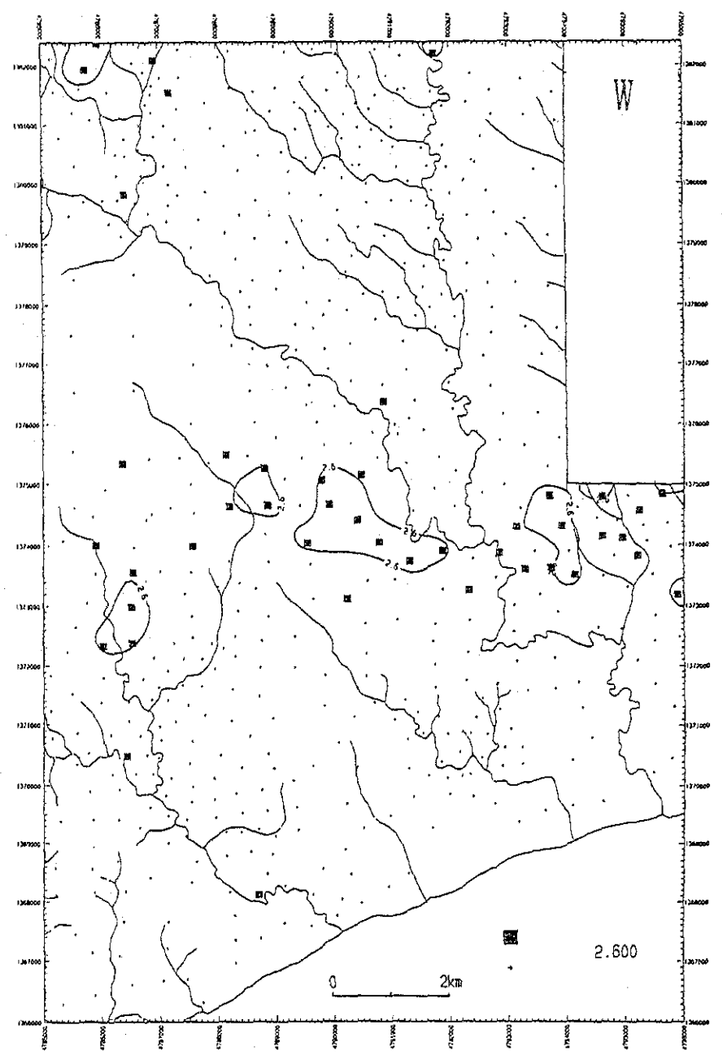

S
.178
.083
.056

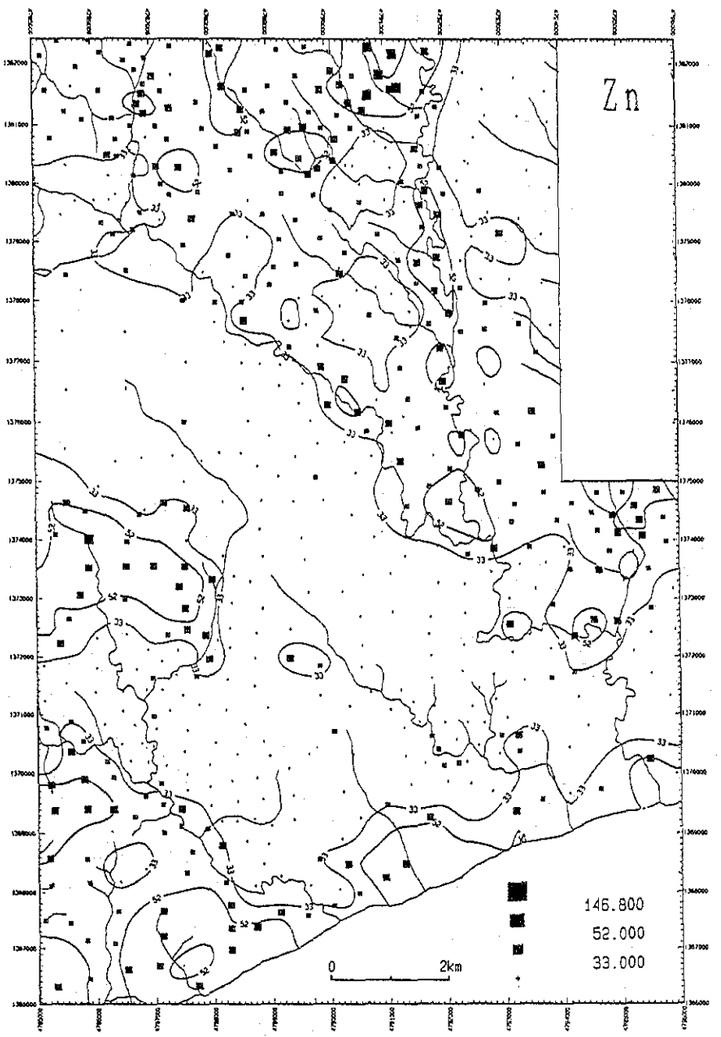

Sb
44.100
7.800
4.400
0
2km


Sr
182.900
56.000
29.000


Ti
2.368
1.150
.860


U
3.400
2.800


W
2.600
0
2km


Zn
146.800
52.000
33.000
0
2km

Appendix 42

List of soil geochemical samples
in Area H

Area: Sungai Sipit Area (Area H)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
1	PH001	1403.68	4820.42	P. Timbun Mata	—	P_4Kg	40	L.B.	R	C	M	W	Cocoa plantation
2	PH002	1403.46	4820.98	P. Timbun Mata	—	P_4Kg	40	L.B.	R	C	M	W	Cocoa plantation
3	PH003	1403.13	4820.68	P. Timbun Mata	—	P_4Kg	30	L.B.	R	C	F	W	Cocoa plantation
4	PH004	1403.42	4820.07	P. Timbun Mata	—	P_4Kg	45	L.B.	R	C	M	W	Cocoa plantation
5	PH005	1403.66	4821.43	P. Timbun Mata	—	P_4Kg	40	L.B.	R	C	M	W	Cocoa plantation
6	PH006	1403.13	4821.36	P. Timbun Mata	—	P_4Kg	45	L.B.	R	C	M	W	Oil palm plant.
7	PH007	1403.70	4821.82	P. Timbun Mata	—	P_4Kg	40	L.B.	R	C	M	W	Cocoa plantation
8	PH008	1403.08	4821.81	P. Timbun Mata	—	P_4Kg	45	L.B.	R	C	M	W	Cocoa plantation
9	PH009	1403.40	4822.07	P. Timbun Mata	—	P_4Kg	40	L.B.	R	C	M	W	Oil palm plant.
10	PH010	1403.12	4822.38	P. Timbun Mata	—	P_4Kg	40	L.B.	R	C	M	W	Oil palm plant.
11	PH011	1403.63	4822.83	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	D	Oil palm plant.
12	PH012	1403.25	4822.87	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Cocoa plantation
13	PH013	1403.62	4823.27	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	D	Oil palm plant.
14	PH014	1403.63	4823.72	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	D	Oil palm plant.
15	PH015	1403.21	4823.17	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	D	Oil palm plant.
16	PH016	1403.17	4823.74	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	D	Oil palm plant.
17	PH017	1403.73	4824.25	P. Timbun Mata	—	P_4Kg	40	D.B.	R	C	M	W	None vegitation
18	PH018	1403.73	4824.67	P. Timbun Mata	—	P_4Kg	40	L.B.	R	C	F	W	None vegitation
19	PH019	1403.18	4824.27	P. Timbun Mata	—	P_4Kg	40	B.	R	C	F	W	None vegitation
20	PH020	1403.18	4824.78	P. Timbun Mata	—	P_4Kg	40	Y.B.	F	S	F	W	None vegitation
21	PH021	1403.73	4825.22	P. Timbun Mata	—	P_4Kg	40	B.	R	C	F	W	Bush
22	PH022	1403.72	4825.72	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Bush
23	PH023	1403.18	4825.19	P. Timbun Mata	—	P_4Kg	40	B.	R	C	M	W	Secondary forest
24	PH024	1403.19	4825.63	P. Timbun Mata	—	P_4Kg	40	B.	R	C	M	W	Secondary forest
25	PH025	1403.63	4826.32	P. Timbun Mata	—	P_4Kg	40	B.	F	C	F	W	Secondary forest
26	PH026	1403.67	4826.73	P. Timbun Mata	—	P_4Kg	40	B.	R	C	F	W	Secondary forest
27	PH027	1403.08	4826.23	P. Timbun Mata	—	Csch	40	Y.B.	R	S	F	W	Secondary forest
28	PH028	1403.08	4826.70	P. Timbun Mata	—	P_4Kg	40	B.	F	C	F	W	Secondary forest
29	PH029	1402.78	4820.15	P. Timbun Mata	—	P_4Kg	45	L.B.	R	C	F	W	Oil palm plant.
30	PH030	1402.38	4820.83	P. Timbun Mata	—	P_4Kg	50	L.B.	R	C	M	W	Cocoa plantation

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Area: Sungai Sipit Area (Area H)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
31	PH031	1402.83	4820.63	P. Timbun Mata	—	P_4Kg	40	L.B.	R	C	M	W	Cocoa plantation
32	PH032	1402.27	4820.24	P. Timbun Mata	—	P_4Kg	45	L.B.	R	C	F	W	Cocoa plantation
33	PH033	1402.68	4821.23	P. Timbun Mata	—	P_4Kg	45	L.B.	R	C	M	W	Cocoa plantation
34	PH034	1402.78	4821.65	P. Timbun Mata	—	P_4Kg	45	L.B.	R	C	M	W	Cocoa plantation
35	PH035	1402.18	4821.17	P. Timbun Mata	—	P_4Kg	45	L.B.	R	C	M	W	Cocoa plantation
36	PH036	1402.22	4821.66	P. Timbun Mata	—	P_4Kg	45	L.B.	R	C	M	W	Oil palm plant.
37	PH037	1402.69	4822.18	P. Timbun Mata	—	P_4Kg	45	L.B.	R	C	M	W	Oil palm plant.
38	PH038	1402.48	4822.63	P. Timbun Mata	—	P_4Kg	45	L.B.	R	C	F	W	Oil palm plant.
39	PH039	1402.83	4822.78	P. Timbun Mata	—	P_4Kg	40	L.B.	R	C	M	W	Oil palm plant.
40	PH040	1402.28	4822.13	P. Timbun Mata	—	P_4Kg	45	L.B.	R	C	M	W	Oil palm plant.
41	PH041	1402.73	4823.07	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	D	Oil palm plant.
42	PH042	1402.73	4823.68	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	D	Oil palm plant.
43	PH043	1402.23	4823.15	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	D	Oil palm plant.
44	PH044	1402.19	4823.75	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	D	Oil palm plant.
45	PH045	1402.28	4824.25	P. Timbun Mata	—	P_4Kg	40	B.	R	C	M	W	Oil palm plant.
46	PH046	1402.80	4824.92	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	D	Oil palm plant.
47	PH047	1402.23	4824.20	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	D	Cocoa plantation
48	PH048	1402.27	4824.78	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	D	Oil palm plant.
49	PH049	1402.73	4825.34	P. Timbun Mata	—	P_4Kg	40	R.B.	F	C	F	W	Secondary forest
50	PH050	1402.63	4825.82	P. Timbun Mata	—	P_4Kg	40	B.	F	C	F	W	Secondary forest
51	PH051	1402.37	4825.27	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	M	W	Oil palm plant.
52	PH052	1402.22	4825.83	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Secondary forest
53	PH053	1402.40	4826.12	P. Timbun Mata	—	P_4Kg	40	R.B.	R	C	F	W	Bush
54	PH054	1402.63	4826.88	P. Timbun Mata	—	P_4Kg	40	R.B.	R	C	F	W	None vegitation
55	PH055	1402.12	4826.35	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	S	F	W	None vegitation
56	PH056	1402.73	4826.30	P. Timbun Mata	—	P_4Kg	40	B.	F	C	F	W	Bush
57	PH057	1401.68	4820.23	P. Timbun Mata	—	P_4Kg	40	W.G.	R	C	F	W	Bush
58	PH058	1401.71	4820.82	P. Timbun Mata	—	P_4Kg	40	W.G.	R	S	F	W	Bush
59	PH059	1401.22	4820.25	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Bush
60	PH060	1401.22	4820.78	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Bush

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Area: Sungai Sipit Area (Area H)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
61	PH061	1401.62	4821.37	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	M	W	Bush
62	PH062	1401.73	4821.87	P. Timbun Mata	—	P_4Kg	40	R.B.	R	C	M	W	Bush
63	PH063	1401.18	4821.33	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	M	W	Bush
64	PH064	1401.18	4821.83	P. Timbun Mata	—	P_4Kg	40	B.	R	C	M	W	Bush
65	PH065	1401.72	4822.30	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Bush
66	PH066	1401.73	4822.82	P. Timbun Mata	—	P_4Kg	40	L.B.	R	C	M	W	Bush
67	PH067	1401.23	4822.37	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Secondary forest
68	PH068	1401.24	4822.74	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Secondary forest
69	PH069	1401.73	4823.22	P. Timbun Mata	—	P_4Kg	30	Y.B.	R	C	F	D	Oil palm plant.
70	PH070	1401.72	4823.83	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	D	Oil palm plant.
71	PH071	1401.27	4823.28	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	D	Oil palm plant.
72	PH072	1401.22	4823.68	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Bush
73	PH073	1401.93	4824.17	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	D	Oil palm plant.
74	PH074	1401.85	4824.83	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Oil palm plant.
75	PH075	1401.34	4824.15	P. Timbun Mata	—	P_4Kg	30	Y.B.	R	C	F	D	Bush
76	PH076	1401.34	4824.70	P. Timbun Mata	—	P_4Kg	40	D.B.	R	C	F	D	Oil palm plant.
77	PH077	1401.82	4825.23	P. Timbun Mata	—	P_4Kg	40	L.B.	F	S	M	W	Oil palm plant.
78	PH078	1401.58	4825.64	P. Timbun Mata	—	P_4Kg	40	L.B.	R	S	F	W	Bush
79	PH079	1401.13	4825.17	P. Timbun Mata	—	P_4Kg	40	B.	R	C	M	W	Oil palm plant.
80	PH080	1401.25	4825.64	P. Timbun Mata	—	P_4Kg	40	B.	R	C	F	W	Bush
81	PH081	1401.70	4826.35	P. Timbun Mata	—	P_4Kg	30	B.	F	C	F	W	Bush
82	PH082	1401.68	4826.72	P. Timbun Mata	—	P_4Kg	40	D.B.	R	C	F	W	Bush
83	PH083	1401.22	4826.28	P. Timbun Mata	—	P_4Kg	40	B.	R	C	F	W	Bush
84	PH084	1401.23	4826.69	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Bush
85	PH085	1400.73	4820.23	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Bush
86	PH086	1400.73	4820.82	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	M	W	Bush
87	PH087	1400.12	4820.10	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	S	F	W	Oil palm plant.
88	PH088	1400.12	4820.88	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Oil palm plant.
89	PH089	1400.72	4821.23	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Oil palm plant.
90	PH090	1400.72	4821.82	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Cocoa plantation

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
91	PH091	1400.18	4821.24	P. Timbun Mata	—	P_4Kg	40	L.G.	R	S	F	W	Oil palm plant.
92	PH092	1400.16	4821.83	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Cocoa plantation
93	PH093	1400.83	4822.26	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Secondary forest
94	PH094	1400.82	4822.75	P. Timbun Mata	—	P_4Kg	40	B.	R	C	F	W	Secondary forest
95	PH095	1400.35	4822.34	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Secondary forest
96	PH096	1400.33	4822.75	P. Timbun Mata	—	P_4Kg	40	R.B.	R	C	F	W	Secondary forest
97	PH097	1400.73	4823.33	P. Timbun Mata	fine tuff	P_4Kg	40	Y.B.	R	C	F	D	Bush
98	PH098	1400.90	4823.74	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Bush
99	PH099	1400.08	4823.13	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	D	Oil palm plant.
100	PH100	1400.20	4823.78	P. Timbun Mata	—	P_4Kg	40	L.B.	R	C	F	W	Secondary forest
101	PH101	1400.88	4824.12	P. Timbun Mata	—	P_4Kg	50	Y.B.	R	C	F	W	Bush
102	PH102	1400.85	4824.72	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Bush
103	PH103	1400.15	4824.18	P. Timbun Mata	—	P_4Kg	40	L.B.	R	C	F	W	Secondary forest
104	PH104	1400.37	4824.73	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Secondary forest
105	PH105	1400.80	4825.12	P. Timbun Mata	—	P_4Kg	40	B.	R	C	F	W	Bush
106	PH106	1400.63	4825.54	P. Timbun Mata	—	P_4Kg	40	B.	R	C	F	W	Bush
107	PH107	1400.36	4825.12	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Bush
108	PH108	1400.35	4825.77	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Bush
109	PH109	1400.76	4826.27	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Bush
110	PH110	1400.75	4826.65	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Bush
111	PH111	1400.38	4826.15	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Bush
112	PH112	1400.39	4826.63	P. Timbun Mata	—	P_4Kg	40	R.B.	R	C	F	W	None vegitation
113	PH113	1399.60	4820.17	P. Timbun Mata	—	P_4Kg	40	W.G.	R	S	F	W	None vegitation
114	PH114	1399.63	4820.92	P. Timbun Mata	—	P_4Kg	40	L.B.	R	C	F	W	Oil palm plant.
115	PH115	1399.22	4820.48	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Secondary forest
116	PH116	1399.12	4820.92	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Secondary forest
117	PH117	1399.61	4821.37	P. Timbun Mata	—	P_4Kg	40	B.	R	C	F	W	Oil palm plant.
118	PH118	1399.79	4821.80	P. Timbun Mata	—	P_4Kg	40	L.G.	R	S	F	W	Oil palm plant.
119	PH119	1399.17	4821.30	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Oil palm plant.
120	PH120	1399.20	4821.82	P. Timbun Mata	—	P_4Kg	40	L.B.	R	C	F	W	Oil palm plant.

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Area: Sungai Sipit Area (Area H)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
121	PH121	1399.82	4822.18	P. Timbun Mata	—	P_4Kg	50	Y.B.	R	C	F	D	Oil palm plant.
122	PH122	1399.70	4822.75	P. Timbun Mata	—	P_4Kg	60	Y.B.	R	C	F	D	Oil palm plant.
123	PH123	1399.32	4822.19	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	D	Oil palm plant.
124	PH124	1399.18	4822.67	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Oil palm plant.
125	PH125	1399.62	4823.13	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	D	Oil palm plant.
126	PH126	1399.83	4823.80	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Secondary forest
127	PH127	1399.23	4823.17	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	D	Oil palm plant.
128	PH128	1399.27	4823.75	P. Timbun Mata	—	P_4Kg	30	L.B.	F	C	F	W	Secondary forest
129	PH129	1399.81	4824.18	P. Timbun Mata	—	P_4Kg	50	Y.B.	R	C	F	W	Secondary forest
130	PH130	1399.86	4824.72	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Secondary forest
131	PH131	1399.21	4824.13	P. Timbun Mata	—	P_4Kg	40	Y.B.	F	C	F	D	Secondary forest
132	PH132	1399.33	4824.72	P. Timbun Mata	—	P_4Kg	40	Y.B.	F	C	F	W	Secondary forest
133	PH133	1399.47	4825.13	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	D	Bush
134	PH134	1399.78	4825.62	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Bush
135	PH135	1399.12	4825.48	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	D	Secondary forest
136	PH136	1399.30	4825.87	P. Timbun Mata	—	P_4Kg	50	Y.B.	R	C	F	D	Secondary forest
137	PH137	1399.62	4826.16	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Bush
138	PH138	1399.68	4826.69	P. Timbun Mata	siltstone	P_4Kg	30	Y.B.	R	C	F	D	Bush
139	PH139	1399.15	4826.17	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	D	Secondary forest
140	PH140	1399.14	4826.75	P. Timbun Mata	—	P_4Kg	30	Y.B.	R	S	F	D	Bush
141	PH141	1398.82	4820.25	P. Timbun Mata	—	P_4Kg	40	W.G.	R	C	F	W	Oil palm plant.
142	PH142	1398.58	4820.67	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Oil palm plant.
143	PH143	1398.22	4820.28	P. Timbun Mata	—	P_4Kg	40	G.W.	R	S	F	W	Oil palm plant.
144	PH144	1398.17	4820.78	P. Timbun Mata	—	P_4Kg	40	L.B.	R	S	F	W	Oil palm plant.
145	PH145	1398.65	4821.20	P. Timbun Mata	—	P_4Kg	40	L.B.	R	S	F	W	Oil palm plant.
146	PH146	1398.64	4821.73	P. Timbun Mata	—	P_4Kg	40	B.	R	C	F	W	Oil palm plant.
147	PH147	1398.18	4821.19	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	S	F	W	Bush
148	PH148	1398.15	4821.77	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Bush
149	PH149	1398.15	4822.43	P. Timbun Mata	—	P_4Kg	40	L.G.	R	C	F	W	Oil palm plant.
150	PH150	1398.87	4822.27	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Oil palm plant.

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
151	PH151	1398.85	4822.87	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Oil palm plant.
152	PH152	1398.20	4822.82	P. Timbun Mata	—	P_4Kg	50	Y.B.	R	C	F	D	Cocoa plantation
153	PH153	1398.85	4823.25	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Oil palm plant.
154	PH154	1398.93	4823.83	P. Timbun Mata	—	P_4Kg	50	Y.B.	R	C	F	W	Bush
155	PH155	1398.22	4823.15	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Oil palm plant.
156	PH156	1398.23	4823.73	P. Timbun Mata	—	P_4Kg	40	D.B.	R	C	F	D	Cocoa plantation
157	PH157	1398.55	4824.92	P. Timbun Mata	—	P_4Kg	40	B.	R	C	F	W	Secondary forest
158	PH158	1398.57	4824.11	P. Timbun Mata	—	P_4Kg	40	R.B.	R	S	F	W	Bush
159	PH159	1398.12	4824.68	P. Timbun Mata	—	P_4Kg	40	D.B.	R	S	F	W	Cocoa plantation
160	PH160	1398.17	4824.19	P. Timbun Mata	—	P_4Kg	40	R.B.	R	S	F	W	Cocoa plantation
161	PH161	1398.23	4825.81	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	S	F	W	Bush
162	PH162	1398.73	4825.82	P. Timbun Mata	—	P_4Kg	40	R.B.	R	C	F	W	Bush
163	PH163	1398.28	4825.28	P. Timbun Mata	—	P_4Kg	40	Y.	R	C	F	W	Bush
164	PH164	1398.63	4825.18	P. Timbun Mata	—	P_4Kg	40	R.B.	R	C	F	W	Bush
165	PH165	1398.38	4826.53	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	S	F	W	Bush
166	PH166	1398.58	4826.85	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	S	F	W	Bush
167	PH167	1398.71	4826.25	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	S	F	W	Bush
168	PH168	1398.17	4826.17	P. Timbun Mata	—	P_4Kg	40	Y.	R	S	F	W	Bush
169	PH169	1397.07	4820.64	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Cocoa plantation
170	PH170	1397.28	4820.18	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	S	M	W	None vegitation
171	PH171	1397.72	4820.25	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	S	M	W	None vegitation
172	PH172	1397.79	4820.84	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	S	M	W	Secondary forest
173	PH173	1397.05	4821.25	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Oil palm plant.
174	PH174	1397.78	4821.22	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Bush
175	PH175	1397.72	4821.73	P. Timbun Mata	—	P_4Kg	40	L.B.	F	C	M	W	Bush
176	PH176	1397.18	4821.68	P. Timbun Mata	—	P_4Kg	40	Y.B.	F	C	M	W	Oil palm plant.
177	PH177	1397.17	4822.37	P. Timbun Mata	—	P_4Kg	40	Y.B.	F	C	M	W	Oil palm plant.
178	PH178	1397.82	4822.27	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	M	W	Oil palm plant.
179	PH179	1397.57	4822.65	P. Timbun Mata	—	P_4Kg	40	B.	R	C	F	W	Cocoa plantation
180	PH180	1397.28	4822.75	P. Timbun Mata	—	P_4Kg	40	B.	R	C	F	W	Oil palm plant.

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
181	PH181	1397.90	4823.78	P. Timbun Mata	—	P_4Kg	40	B.	R	C	F	W	Cocoa plantation
182	PH182	1397.74	4823.18	P. Timbun Mata	—	P_4Kg	40	B.	R	C	F	W	Cocoa plantation
183	PH183	1397.31	4823.83	P. Timbun Mata	—	P_4Kg	40	Y.	R	S	F	W	Cocoa plantation
184	PH184	1397.37	4823.47	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	S	M	W	Bush
185	PH185	1397.23	4824.67	P. Timbun Mata	—	P_4Kg	40	Y.	R	C	F	W	Cocoa plantation
186	PH186	1397.68	4824.23	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Cocoa plantation
187	PH187	1397.82	4824.77	P. Timbun Mata	—	P_4Kg	40	B.	R	C	F	W	Oil palm plant.
188	PH188	1397.17	4824.26	P. Timbun Mata	—	P_4Kg	40	B.	R	C	M	W	Cocoa plantation
189	PH189	1397.32	4825.72	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Oil palm plant.
190	PH190	1397.80	4825.67	P. Timbun Mata	—	P_4Kg	40	R.B.	R	C	F	W	Oil palm plant.
191	PH191	1397.69	4825.26	P. Timbun Mata	—	P_4Kg	40	L.B.	R	C	F	W	Oil palm plant.
192	PH192	1397.17	4825.23	P. Timbun Mata	—	P_4Kg	40	L.B.	R	C	F	W	Oil palm plant.
193	PH193	1397.27	4826.68	P. Timbun Mata	—	P_4Kg	40	D.B.	R	S	F	W	Oil palm plant.
194	PH194	1397.85	4826.65	P. Timbun Mata	—	P_4Kg	40	D.B.	R	C	F	W	Oil palm plant.
195	PH195	1397.53	4826.27	P. Timbun Mata	—	P_4Kg	40	D.B.	R	C	F	W	Oil palm plant.
196	PH196	1397.23	4826.10	P. Timbun Mata	—	An_1	40	D.B.	R	C	F	W	Oil palm plant.
197	PH197	1396.78	4820.18	P. Timbun Mata	andesite	An_1	40	B.	F	C	M	W	Cocoa plantation
198	PH198	1396.73	4820.68	P. Timbun Mata	andesite	An_1	40	Y.B.	F	C	M	W	Cocoa plantation
199	PH199	1396.23	4820.18	Kalumpang	—	P_4Kg	40	Y.B.	R	C	M	W	Cocoa plantation
200	PH200	1396.22	4820.75	Kalumpang	—	P_4Kg	40	L.B.	R	C	M	W	Cocoa plantation
201	PH201	1396.55	4821.27	Kalumpang	—	P_4Kg	40	Y.B.	R	C	M	D	Cocoa plantation
202	PH202	1396.77	4821.83	P. Timbun Mata	—	P_4Kg	30	Y.B.	R	C	F	W	Oil palm plant.
203	PH203	1396.06	4821.48	Kalumpang	—	P_4Kg	40	Y.B.	R	C	F	D	Oil palm plant.
204	PH204	1396.19	4821.83	Kalumpang	—	P_4Kg	40	Y.B.	R	C	F	D	Oil palm plant.
205	PH205	1396.27	4822.67	Kalumpang	—	P_4Kg	40	D.B.	R	S	F	W	Oil palm plant.
206	PH206	1396.25	4822.18	Kalumpang	—	P_4Kg	40	Y.B.	R	S	F	W	Oil palm plant.
207	PH207	1396.73	4822.23	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	S	F	W	Oil palm plant.
208	PH208	1396.71	4822.68	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	S	F	W	Oil palm plant.
209	PH209	1396.78	4823.72	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	S	M	W	Oil palm plant.
210	PH210	1396.77	4823.17	P. Timbun Mata	—	P_4Kg	40	R.B.	R	S	F	W	Oil palm plant.

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
211	PH211	1396.28	4823.82	Kalumpang	—	An_1	40	R.B.	R	S	F	W	Oil palm plant.
212	PH212	1396.10	4823.22	Kalumpang	—	An_1	40	D.B.	R	S	F	W	Oil palm plant.
213	PH213	1396.67	4824.17	P. Timbun Mata	—	P_4Kg	40	R.Y.	R	C	F	W	Oil palm plant.
214	PH214	1396.87	4824.64	P. Timbun Mata	—	An_1	40	R.Y.	R	C	F	W	Oil palm plant.
215	PH215	1396.16	4824.37	Kalumpang	—	An_1	40	Y.B.	R	C	F	W	Oil palm plant.
216	PH216	1396.12	4824.77	Kalumpang	—	An_1	40	R.B.	R	C	F	W	Oil palm plant.
217	PH217	1396.32	4825.92	Kalumpang	—	An_1	40	Y.B.	R	C	F	W	Oil palm plant.
218	PH218	1396.91	4825.75	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Oil palm plant.
219	PH219	1396.88	4825.23	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Oil palm plant.
220	PH220	1396.16	4825.47	Kalumpang	—	An_1	40	Y.B.	R	S	M	W	Oil palm plant.
221	PH221	1396.12	4826.34	Kalumpang	—	An_1	40	R.B.	R	S	F	W	Oil palm plant.
222	PH222	1396.47	4826.59	Kalumpang	—	An_1	40	Y.B.	R	S	F	W	Oil palm plant.
223	PH223	1396.78	4826.24	P. Timbun Mata	—	An_1	40	R.B.	R	S	F	W	Oil palm plant.
224	PH224	1396.93	4826.64	P. Timbun Mata	—	P_4Kg	40	Y.B.	R	C	F	W	Oil palm plant.
225	PH225	1395.73	4820.18	Kalumpang	—	P_4Kg	40	Y.B.	R	C	F	D	Cocoa plantation
226	PH226	1395.84	4820.82	Kalumpang	—	P_4Kg	40	Y.B.	R	C	F	D	Cocoa plantation
227	PH227	1395.25	4820.18	Kalumpang	—	P_4Kg	40	Y.B.	R	C	F	D	Cocoa plantation
228	PH228	1395.12	4820.77	Kalumpang	—	P_4Kg	40	Y.B.	R	C	F	D	Cocoa plantation
229	PH229	1395.78	4821.33	Kalumpang	—	P_4Kg	40	Y.B.	R	C	F	D	Cocoa plantation
230	PH230	1395.23	4821.27	Kalumpang	andesite	An_1	40	D.B.	M	C	M	D	Cocoa plantation
231	PH231	1395.87	4821.92	Kalumpang	—	P_4Kg	40	Y.B.	R	C	F	D	Oil palm plant.
232	PH232	1395.14	4821.88	Kalumpang	—	An_1	40	R.B.	R	C	M	W	Cocoa plantation
233	PH233	1395.87	4822.32	Kalumpang	—	An_1	40	D.B.	R	C	F	W	Oil palm plant.
234	PH234	1395.83	4822.72	Kalumpang	—	P_4Kg	40	Y.B.	R	C	F	D	Oil palm plant.
235	PH235	1395.28	4822.28	Kalumpang	—	P_4Kg	30	Y.B.	R	C	F	W	Cocoa plantation
236	PH236	1395.07	4822.75	Kalumpang	—	An_1	40	Y.B.	R	C	F	D	Cocoa plantation
237	PH237	1395.88	4823.08	Kalumpang	—	P_4Kg	40	Y.B.	R	C	F	D	Oil palm plant.
238	PH238	1395.90	4823.83	Kalumpang	—	An_1	40	Y.B.	R	C	F	W	Oil palm plant.
239	PH239	1395.07	4823.08	Kalumpang	—	An_1	40	D.B.	R	C	M	D	Secondary forest
240	PH240	1395.46	4823.82	Kalumpang	ande. boulder	An_1	40	D.B.	R	C	M	D	Secondary forest

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Area: Sungai Sipit Area (Area H)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
241	PH241	1395.13	4824.87	Kalumpang	—	An_1	40	R.B.	R	C	F	W	Oil palm plant.
242	PH242	1395.16	4824.37	Kalumpang	—	An_1	40	D.B.	R	C	M	W	Bush
243	PH243	1395.58	4824.85	Kalumpang	—	An_1	40	D.B.	R	S	M	W	Oil palm plant.
244	PH244	1395.73	4824.26	Kalumpang	—	An_1	40	D.B.	R	S	M	W	Oil palm plant.
245	PH245	1395.60	4825.87	Kalumpang	andesite	An_1	40	D.B.	R	C	M	W	Oil palm plant.
246	PH246	1395.18	4825.74	Kalumpang	—	An_1	40	D.B.	R	C	M	W	Secondary forest
247	PH247	1395.23	4825.32	Kalumpang	—	An_1	40	D.B.	R	C	M	W	Secondary forest
248	PH248	1395.58	4825.23	Kalumpang	—	An_1	40	D.B.	R	C	M	W	Oil palm plant.
249	PH249	1395.71	4826.63	Kalumpang	—	An_1	40	D.B.	R	C	M	W	Oil palm plant.
250	PH250	1395.17	4826.72	Kalumpang	basalt boulder	An_1	40	D.B.	R	C	M	W	Oil palm plant.
251	PH251	1395.14	4826.23	Kalumpang	—	An_1	40	D.B.	R	C	M	W	Secondary forest
252	PH252	1395.72	4826.16	Kalumpang	—	An_1	40	R.Y.	R	C	F	W	Oil palm plant.
253	PH253	1394.85	4820.27	Kalumpang	—	P_4Kg	40	Y.B.	R	C	F	D	Cocoa plantation
254	PH254	1394.77	4820.73	Kalumpang	ande. boulder	An_1	40	R.B.	R	C	F	D	Cocoa plantation
255	PH255	1394.20	4820.18	Kalumpang	—	P_4Kg	40	R.B.	R	C	F	W	Cocoa plantation
256	PH256	1394.34	4820.90	Kalumpang	ande. boulder	An_1	50	D.B.	F	C	F	D	Cocoa plantation
257	PH257	1394.78	4821.32	Kalumpang	—	An_1	40	Y.B.	R	C	F	D	Cocoa plantation
258	PH258	1394.83	4821.78	Kalumpang	—	An_1	40	R.B.	R	C	M	W	Cocoa plantation
259	PH259	1394.19	4821.24	Kalumpang	—	An_1	40	D.B.	F	C	M	W	Cocoa plantation
260	PH260	1394.28	4821.76	Kalumpang	—	An_1	40	Y.B.	R	C	F	W	Cocoa plantation
261	PH261	1394.72	4822.23	Kalumpang	—	P_4Kg	40	D.B.	R	C	M	W	Cocoa plantation
262	PH262	1394.82	4822.72	Kalumpang	—	An_1	40	D.B.	R	C	F	D	Cocoa plantation
263	PH263	1394.12	4822.23	Kalumpang	—	P_4Kg	40	Y.B.	R	C	F	W	Cocoa plantation
264	PH264	1394.17	4822.68	Kalumpang	—	P_4Kg	50	Y.B.	R	C	F	W	Cocoa plantation
265	PH265	1394.82	4823.12	Kalumpang	—	An_1	40	Y.B.	M	S	M	D	Secondary forest
266	PH266	1394.48	4823.72	Kalumpang	—	An_1	40	D.B.	F	C	M	W	Secondary forest
267	PH267	1394.07	4823.22	Kalumpang	—	An_1	40	Y.B.	R	C	F	D	Cocoa plantation
268	PH268	1394.17	4823.73	Kalumpang	—	An_1	40	D.B.	F	C	M	W	Secondary forest
269	PH269	1394.79	4824.28	Kalumpang	—	An_1	30	D.B.	F	C	S	W	Secondary forest
270	PH270	1394.78	4824.88	Kalumpang	—	An_1	30	L.G.	F	C	S	W	Secondary forest

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Area: Sungai Sipit Area (Area H)

Ser. No.	Sample No.	Coordinates N	Coordinates E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegitation
271	PH271	1394.37	4824.37	Kalumpang	—	An_1	30	Y.B.	F	C	S	W	Secondary forest
272	PH272	1394.23	4824.82	Kalumpang	—	An_1	30	D.B.	R	C	S	W	Secondary forest
273	PH273	1394.80	4825.13	Kalumpang	—	An_1	30	L.G.	F	C	S	W	Secondary forest
274	PH274	1394.82	4825.68	Kalumpang	andesite	An_1	40	B.	F	C	M	W	Bush
275	PH275	1394.25	4825.22	Kalumpang	andesite	An_1	30	D.B.	F	C	S	W	Secondary forest
276	PH276	1394.23	4825.72	Kalumpang	andesite	An_1	30	Y.B.	F	C	S	W	Secondary forest
277	PH277	1394.73	4826.77	Kalumpang	—	An_1	40	D.B.	R	C	M	W	Oil palm plant.
278	PH278	1394.28	4826.64	Kalumpang	—	An_1	40	R.B.	R	C	M	W	Oil palm plant.
279	PH279	1394.17	4826.22	Kalumpang	—	An_1	40	D.B.	R	S	M	W	Secondary forest
280	PH280	1394.67	4826.22	Kalumpang	—	An_1	40	D.B.	R	C	M	W	Secondary forest
281	PH281	1393.42	4824.69	Kalumpang	alt. w/pyrite	An_1	40	Y.B.	R	C	M	D	Secondary forest
282	PH282	1393.50	4824.57	Kalumpang	argi. rock	An_1	40	Y.B.	R	C	F	W	Secondary forest

*1Gravel: Many (M), Few (F), Rare or none (R)
*2Grain size: Sandy (S), Clayey (C)
*3Topography: Steep (S), Moderate (M), Flat (F)
*4Humidity: Dry (D), Wet (W)

Appendix 43

Analytical results of soil geochemical samples in Area H

List of Geochemical Analysis(1)

Ser. No.	Sample No.	Location (km) X-coord	Location (km) Y-coord	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm
1	PH001	4820.420	1403.680	1>	1	108	7	40	25	91	.47	.31	18	2	.07	12	2>	.020	4.1	26	.52	2.0	2>	53
2	PH002	4820.980	1403.460	1>	1>	115	7	44	11	65	.60	.30	5>	1>	.04	17	2>	.017	1.2	39	.47	2.4	2>	41
3	PH003	4820.680	1403.130	1>	1>	89	2	55	23	90	.51	.32	5>	1	.07	13	2>	.018	6.7	15	.49	1.8	2>	52
4	PH004	4820.070	1403.420	4	1>	110	5	52	32	60	.66	.48	5>	2	.12	19	2>	.013	7.1	21	.57	1.6	2>	73
5	PH005	4821.430	1403.660	7	1>	114	4	41	24	69	.70	.45	5>	2	.07	16	2>	.020	.2>	26	.42	2.0	2>	50
6	PH006	4821.360	1403.130	1>	1>	124	2	51	20	54	.74	.42	5>	2	.07	16	3	.018	5.6	37	.40	2.2	2>	56
7	PH007	4821.820	1403.700	1>	1>	123	10	52	25	58	.83	.45	5>	2	.07	22	2>	.016	7.4	37	.44	2.2	2>	61
8	PH008	4821.810	1403.080	1>	1>	96	1>	58	20	55	.60	.36	5>	2	.06	15	2>	.017	1.2	27	.44	2.0	2	49
9	PH009	4822.070	1403.400	1>	1>	116	8	46	20	54	.63	.30	5>	2	.04	16	2>	.011	4.6	39	.43	2.2	2>	50
10	PH010	4822.380	1403.120	23	1>	105	2	48	16	84	.61	.28	5>	2	.05	18	2>	.009	.2>	36	.37	2.2	2>	46
11	PH011	4822.830	1403.630	1>	1>	33	1>	23	3	85	.06	.06	5>	2	.01	4	2>	.011	3.1	18	.27	1.6	2>	10
12	PH012	4822.870	1403.250	16	1>	113	1>	62	20	79	.77	.43	5>	2	.06	33	2>	.017	4.1	38	.38	2.6	3	67
13	PH013	4823.270	1403.620	10	2	141	4	38	19	48	.59	.39	5>	2	.02	17	5	.025	1.0	19	.32	2.2	2>	38
14	PH014	4823.720	1403.630	1>	1	52	3	67	18	42	.29	.26	5>	1>	.02	27	2>	.015	1.4	10	.33	1.8	2>	298
15	PH015	4823.170	1403.210	7	1>	92	2	31	9	53	.39	.23	5>	1>	.02	15	2>	.013	.7	33	.35	2.2	2>	65
16	PH016	4823.740	1403.170	1>	1>	46	1>	22	5	32	.18	.15	5>	2	.01	9	3	.008	2.8	15	.23	2.0	2>	33
17	PH017	4824.250	1403.730	1>	1>	148	48	73	51	55	.95	.68	3186	4	.05	73	8	.015	1.4	61	.42	1.8	4	80
18	PH018	4824.670	1403.730	1>	1>	55	1>	75	7	58	.25	.21	5>	1>	.01	13	8	.011	2.9	24	.35	2.2	2>	25
19	PH019	4824.270	1403.180	12	1>	118	9	83	13	37	.66	.30	5>	3	.05	28	7	.013	3.0	64	.44	2.6	2>	48
20	PH020	4824.780	1403.180	1>	1>	21	1>	169	3	108	.01>	.01	5>	2	.01>	6	2>	.013	1.3	13	.54	1.4	2>	12
21	PH021	4825.220	1403.730	1>	1>	90	8	83	18	49	.58	.44	5>	2	.03	27	2>	.011	.2>	46	.42	2.2	2>	52
22	PH022	4825.720	1403.720	1>	1>	41	1>	87	9	38	.07	.08	5>	1	.01>	5	6	.010	2.9	28	.42	1.8	2>	17
23	PH023	4825.190	1403.180	1>	1>	43	14	236	48	57	.04	.45	202	3	.11	48	2>	.015	8.6	18	.90	1.2	2>	59
24	PH024	4825.630	1403.190	4	1>	68	21	159	50	59	.31	.45	5>	2	.03	67	2>	.009	1.4	12	.60	1.2	2>	66
25	PH025	4826.320	1403.630	5	1>	40	4	129	12	42	.05	.10	5>	3	.02	14	2>	.013	3.9	15	.72	2.4	2>	28
26	PH026	4826.730	1403.670	1>	1>	43	1>	60	9	71	.05	.08	5>	1	.01	8	2>	.012	.2>	13	.42	1.8	2>	38
27	PH027	4826.230	1403.080	7	1>	49	1	27	3	27	.09	.07	5>	1>	.01	5	4	.011	5.0	31	.44	2.2	2>	12
28	PH028	4826.700	1403.080	6	1>	62	2	91	6	56	.12	.13	5>	7	.04	17	2>	.016	6.7	26	.58	2.4	2>	26
29	PH029	4820.150	1402.780	10	1>	191	1>	100	26	14	1.79	.56	5>	1>	.17	21	2>	.018	2.2	33	.47	2.6	2>	44
30	PH030	4820.830	1402.380	1>	1>	18	2	79	4	70	.01	.03	80	3	.02	8	2>	.024	7.3	11	.83	1.4	2>	15
31	PH031	4820.630	1402.830	5	1>	118	3	102	11	68	.60	.26	5>	1	.07	14	7	.027	5.0	60	.69	1.8	2>	35
32	PH032	4820.240	1402.270	1>	1>	15	1>	83	3	109	.01	.04	5>	2	.03	8	2>	.013	3.0	9	.82	1.6	2>	15
33	PH033	4821.230	1402.680	1>	1>	118	4	77	18	46	.73	.32	5>	2	.07	12	3	.027	2.0	43	.47	2.4	2	38
34	PH034	4821.650	1402.780	4	1>	89	4	49	11	45	.36	.22	5>	1>	.06	11	2>	.016	.5	38	.44	1.8	2>	34
35	PH035	4821.170	1402.180	1>	1>	34	3	44	5	56	.09	.08	5>	2	.05	3	2>	.017	1.8	14	.57	2.0	2>	15
36	PH036	4821.660	1402.220	1>	1>	71	8	39	18	46	.45	.35	5>	1	.10	13	2>	.011	2.9	10	.50	1.8	2>	47
37	PH037	4822.180	1402.690	3	1>	120	7	60	25	58	.77	.35	5>	1>	.08	19	6	.012	.2>	37	.39	2.2	2>	47
38	PH038	4822.630	1402.480	5	3	167	2	69	23	56	1.03	.38	5>	1>	.13	19	6	.014	.2>	41	.42	2.4	2>	50
39	PH039	4822.780	1402.830	16	1>	109	2	50	13	44	.64	.25	5>	1	.07	12	4	.019	.6	33	.39	2.0	2>	36
40	PH040	4822.130	1402.280	5	1>	136	6	69	20	61	.85	.32	5>	1>	.12	16	5	.015	1.9	43	.50	2.6	2>	49
41	PH041	4823.070	1402.730	15	2	90	1>	48	23	63	.71	.38	5>	1>	.07	17	2>	.018	.2>	18	.40	1.8	2>	43
42	PH042	4823.680	1402.730	13	1>	119	6	67	21	55	.98	.43	5>	1	.13	44	8	.015	.2>	27	.42	2.2	2>	79
43	PH043	4823.150	1402.230	2	1>	105	4	58	17	64	.73	.31	5>	1>	.05	16	6	.014	.2>	30	.40	2.2	2>	41
44	PH044	4823.750	1402.190	1>	1>	72	5	36	9	51	.27	.18	5>	1>	.04	7	2>	.012	.2>	10	.38	1.6	2>	22
45	PH045	4824.250	1402.280	2	1>	89	9	118	22	59	.56	.38	5>	2	.10	45	2>	.015	.5	21	.49	2.8	2>	44
46	PH046	4824.920	1402.800	12	1>	100	13	61	20	34	.64	.39	394	1>	.07	25	8	.011	3.8	31	.43	2.4	2>	40
47	PH047	4824.200	1402.230	1>	1>	83	5	42	14	60	.44	.28	5>	1>	.05	10	2>	.015	.3	21	.43	2.0	2>	33
48	PH048	4824.780	1402.270	6	1>	67	4	82	19	42	.43	.26	5>	1>	.06	21	2>	.016	1.0	42	.45	2.2	2>	32
49	PH049	4825.340	1402.730	1>	1>	147	6	90	61	35	1.36	.75	164	2	.12	39	15	.010	.2>	42	.43	1.8	2>	69
50	PH050	4825.820	1402.630	55	3	161	110	1230	226	46	.95	.42	2012	1>	1.18	2191	60	.255	3.7	28	.46	1.8	2>	2134

List of Geochemical Analysis(2)

Ser. No.	Sample No.	Location (km) X-coord	Location (km) Y-coord	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm
51	PH051	4825.270	1402.370	14	1>	63	10	206	29	50	.32	.20	5>	1>	.12	236	13	.040	.2>	25	.31	1.8	2>	238
52	PH052	4825.830	1402.220	11	1>	126	9	66	12	36	.58	.32	242	1>	.07	41	4	.012	1.5	37	.35	2.2	2>	40
53	PH053	4826.120	1402.400	11	1>	131	15	81	45	46	.76	.47	278	2	.09	30	9	.014	.2>	43	.47	2.4	2>	54
54	PH054	4826.880	1402.630	5	1>	44	1	125	5	65	.07	.10	5>	6	.03	12	7	.011	.4	20	.50	2.6	2>	15
55	PH055	4826.350	1402.120	1>	1>	45	3	132	9	56	.04	.09	5>	2	.02	12	2>	.013	.2>	15	.65	2.0	2>	23
56	PH056	4826.300	1402.730	1>	1>	44	41	468	71	66	.24	.45	5>	1>	.08	108	2>	.024	6.5	5	1.16	.8	2>	80
57	PH057	4820.230	1401.680	1>	1>	52	3	65	7	64	.12	.10	5>	1>	.02	8	5	.013	5.4	34	.69	1.8	2>	23
58	PH058	4820.820	1401.710	10	1>	16	1>	61	1	95	.01>	.02	236	1>	.01	3	2>	.011	.2>	6	.99	1.4	2>	11
59	PH059	4820.250	1401.220	8	1>	46	18	315	44	59	.12	.12	206	1>	.21	526	13	.082	.4	10	.65	1.2	2>	455
60	PH060	4820.780	1401.220	1>	1	54	3	44	10	74	.22	.21	5>	1>	.05	10	2>	.013	1.3	8	.61	1.4	2>	27
61	PH061	4821.370	1401.620	1>	1>	78	1>	49	21	276	.51	.32	5>	2	.08	13	2>	.016	1.6	13	.52	1.6	2>	34
62	PH062	4821.870	1401.730	4	1>	106	1>	65	10	39	.71	.26	5>	1>	.08	8	4	.014	.2>	27	.50	2.2	2>	20
63	PH063	4821.330	1401.180	7	2	25	3	48	24	262	.05	.08	5>	1	.08	10	2>	.027	1.0	9	.80	2.0	2>	28
64	PH064	4821.830	1401.180	1>	1>	40	1>	80	4	197	.13	.11	5>	5	.07	7	2>	.020	.2>	17	.70	2.4	2>	16
65	PH065	4822.300	1401.720	1>	1>	144	3	73	13	56	.91	.35	5>	1>	.08	14	3	.016	.2>	44	.48	2.4	2>	39
66	PH066	4822.820	1401.730	14	1	106	1	79	25	53	.72	.33	5>	1>	.05	25	2>	.017	.2>	34	.41	2.2	2>	52
67	PH067	4822.370	1401.230	1>	1>	60	72	60	19	148	.03	.09	3958	1	.07	45	15	.044	1.3	10	.53	1.0	2>	58
68	PH068	4822.740	1401.240	1>	36	63	1>	46	14	88	.35	.20	5>	1>	.03	5	2>	.014	.2>	13	.37	1.8	2>	20
69	PH069	4823.220	1401.730	4	1>	90	3	51	16	37	.56	.23	5>	1>	.06	13	2>	.016	1.5	27	.38	2.2	2>	41
70	PH070	4823.830	1401.720	5	1>	101	5	1248	19	61	.54	.27	5>	1>	.05	216	7	.020	2.4	28	.42	2.0	2>	46
71	PH071	4823.280	1401.270	4	2	206	16	74	38	58	1.37	.42	119	1>	.11	22	5	.017	1.7	61	.50	2.0	2>	67
72	PH072	4823.680	1401.220	1>	1>	92	1>	55	11	96	.39	.21	5>	1>	.03	10	2	.014	.2>	31	.34	2.2	2>	30
73	PH073	4824.170	1401.930	12	1>	112	6	57	13	47	.72	.25	5>	1>	.05	13	4	.014	.2>	43	.40	2.0	2>	41
74	PH074	4824.830	1401.850	6	1>	70	2	63	17	41	.43	.25	5>	1>	.03	16	5	.012	2.3	20	.30	2.0	2>	28
75	PH075	4824.150	1401.340	1>	1>	117	1>	57	17	47	.62	.24	5>	1>	.04	13	2>	.017	.2>	37	.36	2.4	2>	35
76	PH076	4824.700	1401.340	12	26	98	5	125	23	43	.52	.26	5>	1>	.11	146	4	.030	.7	37	.41	2.4	2>	154
77	PH077	4825.230	1401.820	32	1>	79	52	577	126	48	.47	.20	339	1>	.54	1472	35	.183	.8	24	.30	2.2	2>	1301
78	PH078	4825.640	1401.580	9	1>	66	1>	39	8	56	.31	.18	5>	1	.03	9	6	.016	1.2	24	.26	1.6	2>	25
79	PH079	4825.170	1401.130	16	1>	123	5	62	17	80	.80	.33	5>	1>	.06	14	2>	.014	.4	30	.43	2.2	2>	50
80	PH080	4825.640	1401.250	1	1>	78	9	112	22	63	.56	.36	5>	1>	.03	40	6	.011	.9	12	.41	1.6	2>	35
81	PH081	4826.350	1401.700	3	1>	42	34	242	57	109	.12	.23	819	1>	.06	26	2>	.035	4.9	6	1.44	1.0	2>	42
82	PH082	4826.720	1401.680	1>	1	119	34	147	55	93	.81	.41	3360	1>	.08	44	11	.022	3.5	32	.51	2.0	2>	61
83	PH083	4826.280	1401.220	1>	1>	112	15	100	38	49	.97	.51	22	1>	.09	32	2	.008	1.4	23	.39	2.0	2>	52
84	PH084	4826.690	1401.230	1>	1>	107	2	71	17	40	.71	.26	5>	1>	.05	18	2>	.010	2.7	30	.37	2.6	2>	41
85	PH085	4820.230	1400.730	6	1>	27	1>	74	3	65	.07	.08	5>	4	.02	5	2>	.009	.2>	8	.69	2.0	2>	13
86	PH086	4820.820	1400.730	4	1>	19	1	438	5	62	.02	.05	10	3	.02	120	2>	.016	1.1	9	1.02	2.0	2>	18
87	PH087	4820.100	1400.120	1>	1>	43	1>	104	5	61	.05	.07	70	1>	.02	14	4	.031	.4	13	.73	1.8	2>	17
88	PH088	4820.880	1400.120	1>	1>	111	14	45	15	44	.38	.33	304	1>	.14	16	3	.015	1.7	29	.53	1.8	2>	50
89	PH089	4821.230	1400.720	1>	1>	42	2	23	5	34	.23	.26	5>	1>	.08	4	2>	.014	.2>	8	.53	1.2	2>	47
90	PH090	4821.820	1400.720	5	1>	72	3	40	3	61	.15	.15	5>	3	.02	3	2>	.020	.2>	13	.52	1.4	2>	15
91	PH091	4821.240	1400.180	1>	1>	37	1>	72	1	57	.01>	.01	101	6	.01	2	6	.012	2.6	14	.88	2.0	2>	7
92	PH092	4821.830	1400.160	9	1>	41	1>	72	2	107	.05	.06	5>	5	.03	5	2>	.014	4.0	19	.62	2.4	2>	10
93	PH093	4822.260	1400.830	1>	1>	325	113	37	19	129	.02	.04	9308	1>	.01	9	22	.025	.2>	10	.38	1.2	2>	37
94	PH094	4822.750	1400.820	15	1>	69	59	47	23	81	.07	.15	3157	2	.05	11	17	.026	.2>	36	.56	1.4	2>	36
95	PH095	4822.340	1400.350	3	1>	87	1	56	10	60	.52	.26	5>	1>	.05	14	2>	.014	5.0	13	.44	1.6	2>	25
96	PH096	4822.750	1400.330	8	1>	57	1>	160	10	41	.39	.21	5>	1>	.06	33	2>	.010	.2>	9	.35	2.0	2>	24
97	PH097	4823.330	1400.730	3	1>	62	1>	49	2	45	.29	.12	5>	1>	.02	10	2>	.013	1.5	21	.19	1.6	2>	17
98	PH098	4823.740	1400.900	3	2	192	6	74	38	122	1.43	.46	5>	1>	.12	17	2>	.013	.2>	47	.46	2.2	2>	53
99	PH099	4823.130	1400.080	1>	1>	47	1>	41	5	50	.09	.10	5>	1>	.04	4	5	.014	2.3	13	.64	1.6	2>	18
100	PH100	4823.780	1400.200	7	1>	39	1>	27	5	45	.03	.05	5>	1>	.02	2	2>	.016	2.0	10	.50	1.6	2>	11

List of Geochemical Analysis(3)

Ser. No.	Sample No.	Location (km) X-coord	Location (km) Y-coord	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm
101	PH101	4824.120	1400.880	17	1	49	1>	56	18	148	.33	.23	5>	2	.08	4	2>	.019	.2>	15	.53	3.2	2>	24
102	PH102	4824.720	1400.850	1>	1>	53	1>	43	12	68	.17	.15	5>	1>	.04	3	2>	.012	.2>	10	.42	1.8	2>	18
103	PH103	4824.180	1400.150	10	1>	29	1>	33	2	93	.01>	.01>	18	1>	.01>	1>	2>	.013	1.5	12	.54	1.8	2>	4
104	PH104	4824.730	1400.370	9	1>	41	1>	55	2	84	.03	.06	5>	7	.05	4	2>	.014	.6	12	.48	2.4	2>	10
105	PH105	4825.120	1400.800	5	1>	115	1>	57	19	92	.69	.32	5>	1>	.07	10	2>	.014	.2>	28	.47	2.6	2>	35
106	PH106	4825.540	1400.630	9	1>	127	1	62	14	85	.78	.30	5>	1>	.06	9	2>	.014	4.8	42	.51	2.4	2>	30
107	PH107	4825.120	1400.360	9	1>	152	5	64	10	53	.96	.37	5>	1>	.08	14	2>	.014	.2>	47	.55	2.4	2>	42
108	PH108	4825.770	1400.350	10	1>	72	1>	44	7	40	.35	.19	5>	1>	.04	3	3	.012	.2>	25	.44	2.2	2>	14
109	PH109	4826.270	1400.760	4	1>	51	1>	43	3	79	.15	.11	5>	1>	.01	2	2>	.015	.4	33	.35	2.0	2>	11
110	PH110	4826.650	1400.750	8	1>	47	1>	26	3	55	.05	.06	5>	1>	.01	2	5	.022	.2>	29	.39	2.0	2>	10
111	PH111	4826.150	1400.380	1>	1>	41	1>	29	3	96	.05	.05	5>	1>	.01	3	8	.020	.2>	34	.41	2.2	2>	9
112	PH112	4826.630	1400.390	1>	4	55	1>	66	23	229	.38	.23	5>	1>	.10	3	2>	.020	.2>	14	.64	2.6	2>	25
113	PH113	4820.170	1399.600	6	1>	20	2	16	1>	179	.01>	.01>	13	1>	.01>	1>	2>	.014	.2	12	.53	1.6	2>	3
114	PH114	4820.920	1399.630	4	1>	37	1>	47	3	48	.07	.08	5>	2	.03	5	2>	.014	3.2	16	.73	2.0	2>	15
115	PH115	4820.480	1399.220	9	1>	50	1>	34	2	92	.03	.05	5>	3	.03	2	10	.015	3.0	15	.60	1.6	2>	9
116	PH116	4820.920	1399.120	17	1>	29	1>	45	2	83	.02	.02	5>	8	.02	6	2>	.016	.2>	14	.53	1.8	2>	7
117	PH117	4821.370	1399.610	2	1>	44	1	116	11	73	.09	.12	5>	1>	.04	17	2>	.016	.2>	13	.84	2.2	2>	42
118	PH118	4821.800	1399.790	3	1>	27	1>	18	1	52	.01>	.01>	5>	1>	.01>	1>	4	.019	2.1	16	.44	2.2	2>	6
119	PH119	4821.300	1399.170	4	1>	34	1>	18	1	51	.01>	.01	5>	5	.01	1>	6	.015	.2>	16	.59	2.0	2>	7
120	PH120	4821.820	1399.200	2	1>	31	4	28	1	52	.01	.03	5>	2	.01	2	2>	.010	.2>	12	.49	2.0	2>	7
121	PH121	4822.180	1399.820	10	1>	34	1>	44	1	83	.01>	.01	35	1	.01>	4	3	.016	3.4	11	.56	1.6	2>	7
122	PH122	4822.750	1399.700	7	1>	33	2	22	1	112	.01>	.01>	30	1>	.01>	1	2>	.014	2.9	11	.45	1.4	2>	5
123	PH123	4822.190	1399.320	14	1>	86	4	48	9	79	.21	.16	292	1	.06	9	5	.020	1.9	22	.63	2.4	2>	29
124	PH124	4822.670	1399.180	14	1>	28	1>	33	2	130	.01	.03	5>	1>	.01	1>	2>	.015	1.7	20	.61	2.2	2>	9
125	PH125	4823.130	1399.620	1>	1>	54	1>	42	4	53	.09	.10	5>	1>	.01	3	2>	.013	.2>	16	.63	1.8	2>	12
126	PH126	4823.800	1399.830	10	1	27	1>	30	2	80	.01>	.01>	29	1>	.01>	2	2>	.013	.9	11	.49	2.0	2>	5
127	PH127	4823.170	1399.230	9	1>	49	1>	53	3	112	.03	.04	5>	4	.01	14	2>	.018	5.1	16	.56	2.0	2>	11
128	PH128	4823.750	1399.270	1>	1>	29	2	39	2	103	.01>	.01>	57	1	.01>	2	5	.018	2.9	13	.60	2.0	2>	5
129	PH129	4824.180	1399.810	19	1>	30	2	39	2	140	.01>	.01	5>	4	.01	4	3	.017	2.7	14	.59	2.0	2>	8
130	PH130	4824.720	1399.860	1>	1>	39	2	61	2	73	.02	.03	5>	10	.02	7	3	.013	3.0	16	.64	1.8	2>	9
131	PH131	4824.130	1399.210	1>	1>	40	1	40	2	82	.01	.03	5>	5	.01	4	2>	.016	1.1	14	.61	2.0	2>	10
132	PH132	4824.720	1399.330	17	1>	30	1>	52	3	139	.01	.02	5>	6	.01	5	3	.018	1.3	13	.55	2.0	2>	9
133	PH133	4825.130	1399.470	1>	1>	28	3	61	2	110	.01>	.03	5>	8	.02	5	2>	.017	.8	12	.67	2.2	2>	18
134	PH134	4825.620	1399.780	1>	1>	59	1>	47	4	85	.06	.06	5>	4	.03	5	2	.016	1.6	14	.67	1.6	2>	16
135	PH135	4825.480	1399.120	4	1>	61	14	46	23	82	.09	.24	195	2	.07	21	2>	.020	6.0	14	.71	1.6	2>	59
136	PH136	4825.870	1399.300	1	1>	144	24	65	18	72	.22	.48	696	1	.21	16	2>	.019	5.0	47	.93	1.6	2>	67
137	PH137	4826.160	1399.620	3	1>	151	28	48	42	63	1.43	.66	156	2	.32	24	14	.009	4.8	23	.54	2.4	2>	73
138	PH138	4826.690	1399.680	5	1>	37	1>	11	2	120	.06	.05	5>	2	.04	2	9	.010	2.6	15	.31	1.8	2>	10
139	PH139	4826.170	1399.150	1	1>	39	3	32	9	134	.05	.09	5>	1	.03	16	2>	.017	5.4	11	.61	1.4	2>	22
140	PH140	4826.750	1399.140	8	1>	59	1>	48	3	183	.07	.09	5>	6	.06	4	2>	.013	2.3	12	.66	1.4	2>	16
141	PH141	4820.250	1398.820	1>	1>	21	1>	19	1	116	.01>	.01>	29	7	.01>	3	7	.014	4.7	14	.72	1.8	2>	5
142	PH142	4820.670	1398.580	13	1>	64	2	58	3	61	.10	.09	5>	7	.07	7	6	.018	2.2	19	.65	2.6	2>	14
143	PH143	4820.280	1398.220	1>	1>	28	2	23	1	84	.01>	.01>	9	4	.01>	5	8	.020	4.2	13	.62	1.8	2>	4
144	PH144	4820.780	1398.170	1>	1>	22	1	34	2	129	.01>	.01	23	3	.01>	3	4	.012	2.9	11	.54	1.8	2>	9
145	PH145	4821.200	1398.650	6	1>	150	19	46	17	41	.56	.44	1388	2	.23	19	4	.016	2.1	33	.49	1.8	2>	67
146	PH146	4821.730	1398.640	13	1>	189	15	51	23	40	.66	.50	864	2	.36	26	5	.017	2.6	55	.51	1.8	2>	70
147	PH147	4821.190	1398.180	8	1>	23	1>	44	3	128	.01	.04	5>	4	.01	6	2>	.013	3.2	12	.56	1.6	2>	13
148	PH148	4821.770	1398.150	8	1>	38	3	143	10	91	.06	.09	5>	5	.09	17	2	.017	2.7	9	.93	2.4	2>	29
149	PH149	4822.430	1398.150	1>	1>	19	3	33	3	105	.01>	.01	168	6	.01	4	2	.017	3.3	10	.93	2.2	2>	11
150	PH150	4822.270	1398.870	1>	1>	129	17	51	19	81	.46	.38	830	1	.20	23	11	.014	.2>	35	.49	2.2	2>	60

List of Geochemical Analysis(4)

Ser. No.	Sample No.	Location(km) X-coord	Location(km) Y-coord	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm
151	PH151	4822.870	1398.850	2	1>	38	3	59	3	123	.02	.04	5>	3	.01	5	3	.021	1.9	18	.68	2.0	2>	13
152	PH152	4822.820	1398.200	12	1>	30	1>	54	3	65	.02	.04	5>	7	.02	4	3	.016	3.8	14	.61	1.6	2>	14
153	PH153	4823.250	1398.850	4	1>	35	1	30	3	155	.01	.04	5>	1	.01	4	2>	.018	2.5	13	.57	2.2	2>	11
154	PH154	4823.830	1398.930	22	1>	51	5	104	17	93	.21	.16	5>	13	.06	13	3	.027	3.0	17	.60	5.8	2>	27
155	PH155	4823.150	1398.220	11	1>	55	1>	91	5	36	.07	.09	5>	4	.04	13	7	.020	3.4	17	.69	2.0	2>	15
156	PH156	4823.730	1398.230	6	1>	197	35	38	46	45	.39	.85	1506	3	.33	21	2>	.032	11.2	78	.67	1.2	2>	101
157	PH157	4824.920	1398.550	1>	1>	147	17	54	31	46	.40	.59	864	3	.26	23	4	.025	1.9	42	.60	1.6	2>	77
158	PH158	4824.110	1398.570	1>	1>	55	5	56	12	53	.14	.16	5>	2	.04	10	2>	.014	1.6	18	.63	2.6	2>	31
159	PH159	4824.680	1398.120	1>	1>	48	73	49	28	83	.09	.18	1839	2	.04	16	2>	.040	4.4	14	.97	2.2	2>	56
160	PH160	4824.190	1398.170	14	1>	28	1>	41	3	83	.01	.04	5>	6	.01	6	2>	.016	.8	11	.56	2.0	2>	14
161	PH161	4825.810	1398.230	1>	1>	33	3	47	4	55	.01	.04	82	4	.01	4	2>	.018	2.9	15	.72	1.8	2>	12
162	PH162	4825.820	1398.730	18	1>	62	6	98	17	101	.19	.19	5>	8	.08	13	2>	.025	3.4	18	.80	3.6	2>	31
163	PH163	4825.280	1398.280	21	1>	29	1>	58	2	93	.01>	.02	5>	8	.02	6	4	.014	7.4	12	.70	2.2	2>	9
164	PH164	4825.180	1398.630	19	1>	20	1>	53	2	191	.01>	.02	5>	5	.01	4	2>	.014	1.3	13	.67	2.4	2>	10
165	PH165	4826.530	1398.380	17	1>	28	1>	59	3	191	.01	.06	5>	18	.03	8	2>	.016	.2	17	.84	3.6	2>	14
166	PH166	4826.850	1398.580	5	1>	32	3	43	3	162	.01	.05	5>	15	.03	3	2>	.022	.2>	18	.92	3.0	2>	13
167	PH167	4826.250	1398.710	3	1>	34	1>	61	3	70	.01	.03	5>	6	.01	10	2>	.017	.2>	17	.59	2.8	2>	9
168	PH168	4826.170	1398.170	10	1>	35	1>	45	3	64	.01>	.01	18	5	.01>	3	8	.022	3.2	16	.41	2.0	2>	7
169	PH169	4820.640	1397.070	1>	1>	12	1>	39	6	59	.01>	.01>	13	2	.01>	4	3	.009	2.8	8	.53	1.6	2>	8
170	PH170	4820.180	1397.280	5	1	17	1	116	7	96	.01	.04	44	3	.01	13	2>	.014	1.7	6	.96	1.8	2>	22
171	PH171	4820.250	1397.720	7	1>	21	1>	110	35	70	.01	.04	84	3	.01	10	2>	.016	3.4	9	.92	2.2	2>	15
172	PH172	4820.840	1397.790	1>	1>	17	1	97	3	69	.01>	.02	5>	2	.01	20	4	.017	3.0	11	.70	2.2	2>	15
173	PH173	4821.250	1397.050	1>	1>	17	3	98	6	58	.01	.06	104	3	.01	9	2>	.018	3.3	8	.94	1.6	2>	20
174	PH174	4821.220	1397.780	16	1>	14	2	156	9	99	.01	.07	5>	3	.02	13	3	.015	.2>	7	1.00	2.4	2>	23
175	PH175	4821.730	1397.720	10	1	200	2	84	26	63	.95	.37	5>	3	.14	20	2>	.015	.3	26	.48	2.8	2>	70
176	PH176	4821.680	1397.180	5	1>	14	2	12	1	57	.01	.02	5>	2	.04	3	2>	.018	.4	3	.44	1.6	2>	26
177	PH177	4822.370	1397.170	2	1>	72	3	48	20	119	.20	.20	5>	1	.05	12	3	.018	.2>	27	.62	2.0	2>	41
178	PH178	4822.270	1397.820	5	1>	28	3	90	9	91	.04	.06	23	7	.03	7	3	.018	4.9	10	.98	3.2	2>	21
179	PH179	4822.650	1397.570	4	1>	72	70	32	41	108	.03	.19	4599	2	.04	17	7	.027	3.5	10	1.01	1.4	2>	103
180	PH180	4822.750	1397.280	7	1>	33	11	42	34	152	.01	.07	261	3	.05	11	2>	.034	1.0	9	1.13	1.8	2>	53
181	PH181	4823.780	1397.900	9	1>	106	33	32	56	88	.13	.54	2397	2	.15	22	2>	.018	5.8	41	.69	1.2	2>	104
182	PH182	4823.180	1397.740	3	1>	30	10	43	38	128	.07	.12	90	2	.05	14	3	.028	4.6	5	.88	1.2	2>	70
183	PH183	4823.830	1397.310	13	1>	35	1>	36	5	58	.07	.07	5>	2	.02	5	2>	.013	3.2	18	.50	2.0	2>	14
184	PH184	4823.470	1397.370	16	1	42	1>	41	5	53	.12	.08	5>	2	.02	5	6	.014	1.4	15	.49	1.8	2>	14
185	PH185	4824.670	1397.230	15	1>	42	1>	49	7	56	.11	.10	7	1	.02	7	6	.015	3.7	17	.63	2.0	2>	18
186	PH186	4824.230	1397.680	4	1>	27	9	34	30	68	.01	.11	655	3	.03	8	4	.030	3.8	7	1.05	1.6	2>	45
187	PH187	4824.770	1397.820	13	1>	34	1	44	6	54	.01	.05	133	7	.02	6	2>	.018	.2>	10	.90	2.2	2>	17
188	PH188	4824.260	1397.170	13	1>	122	2	66	16	35	.79	.33	5>	1>	.08	12	2>	.014	6.1	25	.55	2.6	2>	46
189	PH189	4825.720	1397.320	15	1>	29	2	45	5	109	.01>	.02	244	4	.02	4	2>	.019	3.0	12	1.09	2.2	2>	17
190	PH190	4825.670	1397.800	24	1>	42	1	53	9	34	.05	.07	51	5	.03	14	3	.019	4.6	16	.85	2.6	2>	23
191	PH191	4825.260	1397.690	5	1>	30	1>	31	3	39	.01>	.01	265	3	.01	6	4	.016	6.1	12	.87	2.0	2>	11
192	PH192	4825.230	1397.170	1>	1>	42	13	73	16	98	.01	.04	731	4	.02	8	5	.026	.2>	12	.88	2.0	2>	35
193	PH193	4826.680	1397.270	1>	1>	44	3	30	12	136	.01>	.04	15	4	.03	5	4	.021	11.4	14	.88	2.2	2>	18
194	PH194	4826.650	1397.850	1>	2	56	1	60	8	83	.02	.08	5>	11	.05	5	2>	.018	.2>	19	.94	2.4	2>	19
195	PH195	4826.270	1397.530	1>	3	56	1>	46	7	76	.04	.06	292	7	.03	5	2>	.021	4.9	18	.71	2.4	2>	17
196	PH196	4826.100	1397.230	1>	1>	123	48	43	40	76	.23	.50	1443	3	.14	19	2>	.026	2.3	18	.69	1.8	2>	78
197	PH197	4820.180	1396.780	1>	2	55	1>	125	9	46	.20	.11	5>	1>	.03	14	2>	.021	8.0	19	.83	2.2	2>	27
198	PH198	4820.680	1396.730	1>	1	36	1>	86	15	74	.12	.12	5>	3	.02	7	2>	.033	.2>	12	.66	2.0	2>	25
199	PH199	4820.180	1396.230	1>	1>	69	2	67	22	80	.28	.19	5>	4	.07	9	2>	.029	2.1	26	.68	2.4	2>	39
200	PH200	4820.750	1396.220	1>	1	116	6	65	17	61	.70	.37	5>	2	.06	20	2>	.018	6.6	23	.47	2.2	2>	54

List of Geochemical Analysis(5)

Ser. No.	Sample No.	Location (km) X-coord	Location (km) Y-coord	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sr ppm	Ti %	U ppm	W ppm	Zn ppm
201	PH201	4821.270	1396.550	1>	1>	124	6	65	33	59	.95	.53	5>	2	.10	24	2>	.025	2.4	25	.46	2.0	2>	61
202	PH202	4821.830	1396.770	1>	1>	65	5	35	13	59	.19	.19	28	2	.05	8	2>	.012	4.7	13	.65	1.8	2>	36
203	PH203	4821.480	1396.060	1>	1	37	2	63	11	105	.16	.09	5>	2	.06	8	2>	.019	5.6	12	.67	1.6	2>	22
204	PH204	4821.830	1396.190	1>	1>	25	4	55	6	91	.02	.04	96	1	.02	4	2>	.025	5.0	12	.63	1.2	2>	16
205	PH205	4822.670	1396.270	1>	1>	30	1>	23	7	93	.01>	.01	224	2	.01	4	2	.018	2.3	12	.66	1.8	2>	13
206	PH206	4822.180	1396.250	1>	1>	48	2	57	14	80	.11	.14	5>	3	.05	8	3	.019	5.3	15	.57	1.8	2>	33
207	PH207	4822.230	1396.730	1>	1>	17	2	56	15	120	.04	.05	5>	4	.04	11	2>	.033	2.4	7	.75	1.2	2>	21
208	PH208	4822.680	1396.710	1>	1>	150	35	24	36	61	.19	.77	1780	2	.17	14	2>	.016	9.4	41	.60	.8	2>	88
209	PH209	4823.720	1396.780	1>	1>	69	6	73	22	99	.31	.23	5>	3	.06	18	2>	.024	1.2	14	.58	1.8	2>	39
210	PH210	4823.170	1396.770	1>	1>	34	1	115	11	120	.08	.09	5>	5	.02	29	2>	.018	2.5	14	.70	2.2	2>	24
211	PH211	4823.820	1396.280	1>	1>	43	28	42	25	102	.14	.12	1734	2	.04	9	7	.025	9.2	9	.64	1.4	2>	31
212	PH212	4823.220	1396.100	1>	1>	204	35	33	50	61	.37	1.34	2691	3	.34	20	2>	.021	12.7	101	.58	.6	2>	99
213	PH213	4824.170	1396.670	1>	1>	81	4	51	18	97	.43	.27	5>	2	.07	12	2>	.014	5.1	25	.57	2.0	2>	42
214	PH214	4824.640	1396.870	1>	1>	84	50	42	50	98	.13	.76	992	4	.12	18	2>	.022	4.4	17	.91	.6	2>	94
215	PH215	4824.370	1396.160	1>	3	95	58	87	37	91	.32	.30	1804	1>	.05	32	14	.014	.2>	17	.68	1.8	2>	69
216	PH216	4824.770	1396.120	1>	1>	101	3	55	37	104	.52	.19	92	3	.06	8	2>	.019	6.7	8	.70	1.6	2>	48
217	PH217	4825.920	1396.320	1>	1>	83	33	27	10	57	.07	.19	1611	1>	.07	9	12	.017	4.4	12	.65	1.4	2>	51
218	PH218	4825.750	1396.910	1>	1>	30	1>	37	5	43	.02	.03	160	1	.01	3	2>	.014	5.8	10	.55	1.2	2>	13
219	PH219	4825.230	1396.880	1>	1>	33	6	32	11	31	.06	.07	145	2	.01	3	4	.013	3.3	13	.62	1.8	2>	22
220	PH220	4825.470	1396.160	1>	1>	89	15	3	3	47	.01>	.25	908	1	.04	1>	2>	.011	4.4	25	.67	1.0	2>	112
221	PH221	4826.340	1396.120	1>	1>	41	5	7	5	44	.02	.24	5>	2	.05	2	2>	.012	1.1	7	.57	1.0	2>	49
222	PH222	4826.590	1396.470	1>	1>	26	1>	22	3	85	.02	.03	5>	1>	.01	1>	2>	.014	1.4	12	.41	1.6	2>	8
223	PH223	4826.240	1396.780	1>	1>	32	6	46	15	91	.02	.05	125	6	.02	6	3	.017	6.7	11	.84	2.0	2>	23
224	PH224	4826.640	1396.930	1>	17	31	1>	37	5	61	.01>	.01	84	2	.01	1	2>	.013	4.9	12	.63	1.6	2>	9
225	PH225	4820.180	1395.730	1>	1>	129	30	68	31	66	.32	.72	1176	2	.05	34	2>	.024	5.5	18	.56	1.2	2>	67
226	PH226	4820.820	1395.840	1>	1>	15	7	10	14	48	.03	.24	5>	3	.08	3	2>	.055	8.2	2	.60	.6	2>	65
227	PH227	4820.180	1395.250	1>	1>	15	3	98	8	128	.02	.03	5>	3	.01	8	2>	.025	3.0	9	.90	1.8	2>	19
228	PH228	4820.770	1395.120	1>	1>	82	4	68	31	72	.45	.33	5>	2	.10	15	2>	.024	2.5	17	.61	1.6	2>	51
229	PH229	4821.330	1395.780	9	2	529	2	33	12	77	.14	.08	5>	3	.14	7	2>	.021	6.6	17	.57	2.2	2>	39
230	PH230	4821.270	1395.230	1>	1>	786	27	6	15	67	.04	.79	3055	2	.29	1>	2>	.019	9.2	103	.91	.6	2>	131
231	PH231	4821.920	1395.870	1>	3	27	2	18	15	102	.07	.07	5>	3	.11	6	2>	.029	1.3	5	.52	.8	2>	65
232	PH232	4821.880	1395.140	2	2	1106	13	14	54	1059	.10	.31	5>	3	.32	4	2>	.025	8.7	37	.97	.4	2>	76
233	PH233	4822.320	1395.870	1	1>	830	4	47	27	113	.62	.23	5>	3	.26	14	2>	.016	1.1	21	.55	1.8	2>	71
234	PH234	4822.720	1395.830	1>	1>	57	2	41	11	64	.25	.14	5>	1>	.04	6	3	.012	5.6	14	.47	1.8	2>	26
235	PH235	4822.280	1395.280	2	1>	775	5	26	37	158	.30	.35	5>	3	.23	5	2>	.024	8.0	22	.77	1.4	2>	56
236	PH236	4822.750	1395.070	11	1>	1073	25	9	60	44	.15	1.68	1407	2	.62	5	2>	.028	10.2	70	.69	.2>	2>	110
237	PH237	4823.080	1395.880	1>	1>	650	9	36	18	51	.25	.36	5>	3	.20	10	2>	.017	4.3	21	.57	1.2	2>	65
238	PH238	4823.830	1395.900	5	1	998	3	58	27	57	1.05	.55	5>	2	.28	14	2>	.018	13.2	31	.42	1.8	2>	53
239	PH239	4823.080	1395.070	1>	1>	1114	25	6	81	70	.15	1.23	1510	3	.67	3	2>	.032	14.8	302	.74	.2	2>	237
240	PH240	4823.820	1395.460	1>	1>	1439	56	17	58	71	.18	.86	2722	4	.46	8	2>	.024	13.9	78	.83	.2	2>	102
241	PH241	4824.870	1395.130	10	1>	1042	10	21	32	76	.15	.26	5>	1	.35	4	2>	.049	4.2	26	.67	.4	2>	63
242	PH242	4824.370	1395.160	1>	1>	1187	38	17	58	42	.19	1.55	2158	3	.58	6	2>	.025	2.4	300	.56	.2>	2>	107
243	PH243	4824.850	1395.580	1>	1>	317	41	28	45	86	.43	1.27	1590	1	.28	15	2>	.022	8.9	115	.60	.6	2>	101
244	PH244	4824.260	1395.730	2	1>	996	12	18	43	34	.34	.85	193	1	.41	6	4	.033	4.3	86	.57	.4	2>	104
245	PH245	4825.870	1395.600	1>	4	177	25	28	46	61	.45	1.50	1723	3	.57	13	2>	.027	12.5	226	.54	.6	2>	89
246	PH246	4825.740	1395.180	3	1>	1093	25	17	45	55	.31	1.59	1464	3	.65	8	2>	.029	12.1	293	.59	.6	2>	105
247	PH247	4825.320	1395.230	1>	1>	145	21	25	47	47	.48	1.09	1959	1>	.98	11	2>	.026	7.3	107	.50	.6	2>	76
248	PH248	4825.230	1395.580	1>	1>	1308	59	15	78	60	.15	.91	1447	2	.42	8	2>	.020	13.8	67	.89	.2	2>	121
249	PH249	4826.630	1395.710	2	1>	1211	47	15	72	64	.14	.31	837	4	.32	9	2>	.024	8.1	25	1.12	.6	2>	113
250	PH250	4826.720	1395.170	1>	1>	1321	197	273	87	63	.12	1.06	7869	3	.26	124	2>	.014	14.6	50	.65	.2>	2>	101