

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegetation
		N	E										
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	W	Oil palm plant.
98	PG098	1380.26	4789.86	Apas-Balang	—	Da ₂	30	R.B.	F	C	F	D	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	S	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)

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. #1	S. #2	T. #3	H. #4	Vegetation
		N	E										
121	PG121	1379.70	4786.72	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	D	Cocoa plantation
138	PG138	1379.72	4788.67	Apas-Balang	and. boulder	Da ₂	40	D. B.	R	C	F	D	Cocoa plantation
139	PG139	1379.48	4788.40	Apas-Balang	—	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	4789.26	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)

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

**Grain size: Sandy (S), Clayey (C)

**Humidity: Dry (D), Wet (W)

Area: Sungai Apas Area (Area G)

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. #1	S. #2	T. #3	H. #4	Vegetation
		N	E										
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	Cocoa plantation
160	PG160	1379.46	4792.31	Apas-Balang	—	Dt	30	L.Y.B.	R	C	F	D	Bush 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.	40	B.	F	S	S	W	Secondary forest
168	PG168	1378.51	4786.57	Tawau North	sil. and. bould.	An.	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.	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.	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.	F	S	M	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		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegetation
		N	E										
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.	R	C	M	D	Oil palm plant.
200	PG200	1377.50	4785.48	Tawau North	sili. andesite	An.	30	Y.B.	F	C	S	D	Bush
201	PG201	1377.49	4786.55	Tawau North	sili. andesite	An.	30	Y.B.	F	S	S	D	Bush
202	PG202	1376.99	4787.59	Tawau North	sili. andesite	An.	30	D.G.	F	S	M	W	Bush
203	PG203	1377.65	4788.07	Apas-Balang	sili. and. bould.	An.	40	B.	F	S	M	W	Cocoa plantation
204	PG204	1377.68	4788.57	Apas-Balang	sili. and. bould.	Dt	40	B.	F	S	F	W	Cocoa plantation
205	PG205	1377.32	4788.24	Apas-Balang	—	An.	40	L.B.Y.	R	C	M	W	Cocoa plantation
206	PG206	1377.28	4788.60	Apas-Balang	—	Dt	40	R.Y.	R	C	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)

*3Topography: Steep (S), Moderate (M), Flat (F)

*2Grain size: Sandy (S), Clayey (C)

*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. #1	S. #2	T. #3	H. #4	Vegetation
		N	E										
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.	40	Y.B.	F	C	M	D	Cocoa plantation
231	PG231	1376.56	4786.56	Tawau North	sil. An. boulder	An.	40	Y.B.	M	S	M	D	Bush
232	PG232	1376.01	4787.54	Tawau North	sil. An. boulder	An.	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.	30	Y.B.	R	C	F	D	Oil palm plant.
235	PG235	1376.95	4789.20	Tawau North	—	Dt	40	D.B.	R	C	F	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		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. #1	S. #2	T. #3	H. #4	Vegetation
		N	E										
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	C	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.	R	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.	R	C	M	D	Cocoa plantation
250	PG250	1376.26	4792.03	Apas-Balang	—	Dt	40	B.	R	C	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.	R	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	40	Y.B.	R	S	S	D	Cocoa plantation
255	PG255	1375.33	4786.37	Tawau North	sil. An. boulder	An	30	D.B.	M	C	F	D	Cocoa plantation
256	PG256	1375.40	4786.82	Tawau North	sil. An. boulder	An	50	D.B.	F	C	F	D	Cocoa plantation
257	PG257	1375.43	4787.34	Tawau North	sil. An. boulder	An	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		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. #1	S. #2	T. #3	H. #4	Vegetation
		N	E										
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	S	F	D	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 vegetation
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	C	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	Y.B.	R	S	F	D	Coffee plant.
299	PG299	1374.68	4789.91	Apas-Balang	---	Dt	40	D.B.	R	S	F	D	Coconut
300	PG300	1374.04	4789.53	Apas-Balang	---	Dt	40	Y.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		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegetation
		N	E										
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	C	F	W	Oil palm plant.
307	PG307	1375.00	4792.92	Apas-Balang	—	Dt	30	B.	R	C	F	W	No. vegetation
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	C	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	S	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.	R	S	M	W	Cocoa plantation
330	PG330	1373.56	4787.54	Tawau North	—	An ₁	40	B.	F	S	C	D	Cocoa plantation

*1Gravel: Many (M), Few (F), Rare or none (R)

*2Topography: Steep (S), Moderate (M), Flat (F)

*3Grain size: Sandy (S), Clayey (C)

*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates N E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegetation
331	PG331	1373.20	Tawau North	—	An ₁	30	D.G.	R	C	F	D	Cocoa plantation
332	PG332	1373.32	Apas-Balang	—	Dt	30	B.	R	C	F	D	Oil palm plant.
333	PG333	1373.74	Apas-Balang	alt. An. boulder	Dt	40	B.	F	S	F	D	Bush
334	PG334	1373.73	Apas-Balang	—	Dt	40	Y.B.	R	C	F	D	Rubber plant.
335	PG335	1373.38	Apas-Balang	—	Dt	40	Y.B.	R	S	F	D	Oil palm plant.
336	PG336	1373.29	Apas-Balang	—	Dt	30	Y.B.	F	S	F	D	Oil palm plant.
337	PG337	1373.69	Apas-Balang	—	Dt	40	Y.B.	R	S	F	D	Cocoa plantation
338	PG338	1373.12	Apas-Balang	—	Dt	30	Y.B.	R	S	F	D	Cocoa plantation
339	PG339	1373.12	Apas-Balang	—	Dt	40	Y.B.	R	S	F	D	Cocoa plantation
340	PG340	1373.41	Apas-Balang	—	Dt	40	Y.B.	R	S	F	D	Cocoa plantation
341	PG341	1373.74	Apas-Balang	—	Dt	40	B.	F	S	F	W	Cocoa plantation
342	PG342	1373.91	Apas-Balang	—	Dt	30	L.G.	R	S	F	D	Farm
343	PG343	1373.43	Apas-Balang	—	Dt	40	Y.B.	R	S	F	D	Cocoa plantation
344	PG344	1373.27	Apas-Balang	—	Dt	40	L.B.	R	C	F	W	Farm
345	PG345	1373.78	Apas-Balang	—	Dt	40	G.	R	S	F	W	Farm
346	PG346	1373.87	Apas-Balang	—	Dt	40	D.B.	R	S	F	W	Farm
347	PG347	1373.26	Apas-Balang	—	Dt	40	L.B.	F	S	F	D	Farm
348	PG348	1373.47	Apas-Balang	—	Dt	40	L.G.	F	S	F	W	Farm
349	PG349	1373.89	Apas-Balang	—	Dt	30	B.	R	C	F	W	Oil palm plant.
350	PG350	1373.61	Apas-Balang	—	Dt	30	B.	R	C	F	W	Farm
351	PG351	1373.63	Apas-Balang	—	Dt	30	L.B.	R	S	F	D	Farm
352	PG352	1373.01	Apas-Balang	—	Dt	30	B.	R	C	F	W	Farm
353	PG353	1373.18	Apas-Balang	—	Dt	30	B.	R	C	F	W	Bush
354	PG354	1373.89	Apas-Balang	—	Dt	30	L.B.	R	S	F	D	Oil palm plant.
355	PG355	1373.82	Apas-Balang	—	Dt	30	R.B.	R	C	F	D	Oil palm plant.
356	PG356	1373.51	Apas-Balang	—	Dt	40	B.	R	C	F	W	Oil palm plant.
357	PG357	1373.49	Apas-Balang	—	Dt	30	Y.B.	R	S	F	W	Cocoa plantation
358	PG358	1373.82	Apas-Balang	—	Dt	40	L.B.	R	S	F	D	Oil palm plant.
359	PG359	1373.31	Apas-Balang	—	Dt	40	L.B.	R	S	F	D	Oil palm plant.
360	PG360	1373.52	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		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. #1	S. #2	T. #3	H. #4	Vegetation
		N	E										
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	D	Cocoa plantation
365	PG365	1372.38	4786.52	Tawau North	andesite	An1	40	G.B.	R	S	M	D	Cocoa plantation
366	PG366	1372.13	4786.89	Tawau North	—	Dt	40	Y.B.	R	S	M	D	Cocoa plantation
367	PG367	1372.83	4787.54	Tawau North	andesite	An1	30	G.	F	C	M	D	Cocoa plantation
368	PG368	1372.38	4787.23	Tawau North	—	Dt	30	D.B.	R	C	M	D	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	D	Cocoa plantation
372	PG372	1372.12	4787.72	Tawau North	—	Dt	30	B.	F	S	F	W	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	D	Rubber plant.
375	PG375	1372.49	4788.29	Apas-Balang	—	Dt	40	D.B.	R	S	F	W	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	D	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	—	An1	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	C	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	D	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	C	F	D	Farm
388	PG388	1372.02	4791.73	Apas-Balang	—	Dt	40	B.	R	C	M	D	Farm
389	PG389	1372.76	4792.32	Apas-Balang	—	Dt	40	B.	F	C	F	W	Farm
390	PG390	1372.22	4792.29	Apas-Balang	—	Dt	40	L.B.	R	C	M	D	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)

Area: Sungai Apas Area (Area G)

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. #1	S. #2	T. #3	H. #4	Vegetation
		N	E										
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.	R	C	M	W	Farm
394	PG394	1372.14	4793.78	Apas-Balang	—	Dt	30	L.B.	F	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.	R	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	—	Ani	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	Cocoa plantation
417	PG417	1371.42	4787.13	Tawau North	—	Dt	40	B.	R	C	S	W	Oil palm plant.
418	PG418	1371.33	4787.48	Tawau North	—	Ani	40	B.	R	C	S	W	Farm
419	PG419	1371.06	4787.26	Tawau North	—	Ani	30	B.	R	C	S	W	Bush
420	PG420	1371.17	4787.76	Tawau North	—	Ani	30	L.B.	M	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)

Area: Sungai Apas Area (Area G)

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegetation
		N	E										
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	4788.83	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	M	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	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 E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegetation
451	PG451	1370.83	4786.15	---	Dt	40	D.B.	R	S	M	D	Cocoa plantation
452	PG452	1370.82	4786.66	---	Dt	40	R.B.	R	C	M	W	Cocoa plantation
453	PG453	1370.49	4786.43	---	Dt	40	R.B.	R	C	M	W	Rubber plant.
454	PG454	1370.51	4786.77	---	Dt	40	R.B.	R	C	M	W	Rubber plant.
455	PG455	1370.46	4786.97	---	Dt	40	R.B.	R	C	M	W	Cocoa plantation
456	PG456	1370.19	4786.18	---	Dt	40	R.B.	R	C	M	W	Cocoa plantation
457	PG457	1370.20	4786.58	---	Dt	40	R.B.	R	C	M	W	Cocoa plantation
458	PG458	1370.19	4786.88	---	Dt	40	R.B.	R	C	M	D	Cocoa plantation
459	PG459	1370.75	4787.02	---	Dt	40	Y.B.	R	C	M	W	Rubber plant.
460	PG460	1370.73	4787.55	---	Dt	40	Y.B.	R	S	M	W	Rubber plant.
461	PG461	1370.51	4786.03	---	Dt	40	Y.B.	R	S	F	D	Rubber plant.
462	PG462	1370.36	4787.50	---	Dt	40	R.B.	R	S	M	D	Rubber plant.
463	PG463	1370.13	4787.19	---	Dt	40	D.B.	R	C	M	D	Rubber plant.
464	PG464	1369.98	4787.55	---	Dt	40	Y.B.	R	S	M	D	Rubber plant.
465	PG465	1370.13	4787.93	---	Dt	40	Y.B.	R	S	F	D	Rubber plant.
466	PG466	1370.83	4788.54	---	Dt	30	L.B.	R	S	M	D	Rubber plant.
467	PG467	1370.53	4788.85	---	Dt	30	L.B.	R	S	F	D	Rubber plant.
468	PG468	1370.31	4788.40	---	Dt	40	Y.B.	R	S	F	D	Rubber plant.
469	PG469	1370.29	4788.96	---	Dt	30	D.B.	R	C	M	W	Bush
470	PG470	1370.08	4789.28	---	Dt	30	B.	R	C	M	W	Bush
471	PG471	1370.33	4789.63	---	Dt	30	L.G.	R	S	F	D	Bush
472	PG472	1370.71	4790.06	---	Dt	40	Y.B.	R	S	M	D	Rubber plant.
473	PG473	1370.31	4790.39	---	Dt	30	Y.B.	R	C	F	D	Cocoa plantation
474	PG474	1370.77	4791.25	---	Dt	40	L.B.	R	S	M	W	Oil palm plant.
475	PG475	1370.87	4791.52	---	Dt	30	L.B.	R	S	M	D	Cocoa plantation
476	PG476	1370.63	4791.73	---	Dt	30	Y.B.	R	S	F	W	Cocoa plantation
477	PG477	1370.40	4791.84	---	Dt	30	Y.B.	R	C	M	W	Cocoa plantation
478	PG478	1370.29	4791.28	---	Dt	30	L.B.	R	S	M	D	Oil palm plant.
479	PG479	1370.17	4791.61	---	Dt	30	L.B.	R	C	M	D	Oil palm plant.
480	PG480	1370.13	4791.94	---	Dt	30	Y.B.	R	C	M	W	Cocoa plantation

*1Gravel: Many (M), Few (F), Rare or none (R)

*2Topography: Steep (S), Moderate (M), Flat (F)

*3Grain size: Sandy (S), Clayey (C)

*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. #1	S. #2	I. #3	H. #4	Vegetation
		N	E										
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 vegetation
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 vegetation
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 vegetation
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	C	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

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

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

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. #1	S. #2	T. #3	H. #4	Vegetation
		N	E										
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)

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. #1	S. #2	T. #3	H. #4	Vegetation
		N	E										
541	PG541	1368.69	4786.27	Tawau	andesite	An ₁	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.	R	C	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	W	Coconut plant.
558	PG558	1368.26	4790.93	Apas-Balang	—	Q ₂	40	L.B.	F	C	F	D	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	S	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)

Area: Sungai Apas Area (Area G)

Ser. No.	Sample No.	Coordinates N E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegetation
571	PG571	1367.59	4789.60	—	Q ₂	40	L.B.	R	S	F	D	Coconut plant.
572	PG572	1368.05	4790.13	—	Dt	40	L.B.	F	S	F	D	Coconut plant.
573	PG573	1367.98	4790.47	—	Q ₂	40	D.B.	F	S	F	W	Coconut plant.
574	PG574	1367.76	4790.04	—	Q ₂	40	B.	R	C	F	W	Coconut plant.
575	PG575	1366.30	4785.32	weathered and.	An ₁	30	D.B.	M	S	M	D	Coconut plant.
576	PG576	1366.45	4785.87	weathered and.	An ₁	30	D.B.	M	S	M	D	Coconut plant.
577	PG577	1366.62	4786.52	and. boulder	An ₁	30	D.B.	M	S	M	D	Coconut plant.
578	PG578	1366.68	4787.06	andesite	An ₁	30	G.W.	M	S	M	D	Cocoa plantation
579	PG579	1366.70	4787.47	andesite	An ₁	30	G.W.	M	S	F	D	Cocoa plantation
580	PG580	1366.33	4787.73	andesite	An ₁	30	D.B.	M	S	F	D	Cocoa plantation
581	PG581	1366.97	4788.29	—	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)	As	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Sr	Ti	U	W	Zn
		X-coord Y-coord	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	%	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm
1	PG001	4785.150 1382.120	11	1	137	24	49	30	44	.86	.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	8	26	28	130	.07	.05	2242	4	.21	16	2	.082	2.6	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	.10	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	47	27	63	.09	.11	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	4789.150 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	166	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	166	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	15	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	14	167	.05	.06	5	3	.15	10	7	.048	5.2	12	1.44	4.6	2	25
21	PG021	4785.220 1381.560	1615	1	98	7	52	24	60	.17	.20	2011	1	.14	16	2	.034	4.0	25	.55	2.0	2	38
22	PG022	4785.730 1381.940	1	1	316	12	25	46	62	.08	.05	5	2	.19	22	2	.074	2	19	.62	2.8	2	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 1381.080	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	3	.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 1381.330	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	1.9	7	.40	2.4	2	40
35	PG035	4786.570 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	13	91	22	169	.04	.07	5	2	.18	12	2	.078	7.6	7	.79	3.8	2	27
37	PG037	4787.190 1381.550	74	1	158	13	91	29	51	.17	.06	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	94	35	132	.11	.06	5	3	.22	17	2	.064	4.1	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	5	.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	3	.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)

Sec. Sample No.	Location (km)	As	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Nb	Na	Ni	Pb	S	So	Sr	Ti	U	W	Zn
	X-coord. Y-coord	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
51	PG051	4790.100	1381.800	38	14	137	33	99	.26	.05	53	3	.20	40	2	.070	2.8	7	1.02	3.2	2	53
52	PG052	4790.260	1381.860	56	30	61	43	81	.09	.10	5	3	.17	17	2	.089	2.8	15	1.44	3.4	2	51
53	PG053	4790.470	1381.800	1	41	76	14	112	.07	.14	476	3	.09	16	12	.060	12.1	33	2.17	3.0	2	39
54	PG054	4790.930	1381.820	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	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	98	199	53	282	.11	.04	7363	2	.25	96	2	.186	10.7	8	2.90	1.0	2	185
57	PG057	4790.630	1381.260	83	15	73	22	135	.20	.38	5	1	.15	26	7	.058	.5	23	1.03	2.4	2	59
58	PG058	4790.200	1381.170	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	9	45	34	102	.04	.08	5	2	.15	15	2	.062	7.7	9	1.18	3.2	2	38
60	PG060	4791.120	1381.590	182	60	152	45	191	.20	.20	1980	2	.20	70	2	.089	4.0	24	2.14	1.6	2	130
61	PG061	4791.240	1381.610	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	5	66	37	239	.09	.21	5	4	.17	19	2	.085	12.5	32	1.31	2.6	2	42
63	PG063	4791.560	1381.160	1	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	67	3	48	40	148	.08	.15	5	1	.16	11	8	.071	3.1	46	1.56	3.6	2	35
65	PG065	4792.370	1381.860	1	4	47	14	253	.04	.05	5	2	.14	9	2	.062	7.0	17	1.84	3.8	2	25
66	PG066	4792.700	1381.590	1	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	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	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	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	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	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	1381.080	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	247	22	40	41	63	1.09	1.10	905	1	.79	19	2	.084	6.3	142	.37	2.0	2	51
74	PG074	4785.560	1380.310	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	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	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	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	303	28	42	32	50	.96	1.24	630	1	.55	21	2	.036	2.5	56	.41	1.4	2	55
79	PG079	4786.780	1380.420	23	5	50	24	169	.10	.13	5	2	.17	10	2	.073	4.1	10	.77	3.0	2	29
80	PG080	4786.290	1380.130	36	2	42	16	114	.08	.14	5	2	.13	8	2	.052	4.5	18	.71	2.8	2	16
81	PG081	4786.720	1380.140	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	38	8	88	21	111	.07	.10	5	1	.16	34	2	.068	4.9	23	.84	2.8	2	33
83	PG083	4787.100	1380.300	218	43	728	47	130	.24	.39	638	11	.18	46	2	.081	4.5	94	.87	2.6	2	64
84	PG084	4787.480	1380.280	150	18	306	155	23	.68	.98	5	3	.37	165	2	.822	4.7	30	.51	1.6	2	96
85	PG085	4788.140	1380.640	28	9	47	25	95	.08	.05	5	3	.20	13	2	.076	3.2	7	1.00	3.0	2	36
86	PG086	4788.510	1380.880	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	17	12	151	29	92	.04	.03	5	2	.21	38	2	.075	2.7	4	1.00	2.2	2	39
88	PG088	4788.730	1380.480	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	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	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	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	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	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	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	1286	11	65	34	80	.27	.30	5	1	.43	23	2	.045	3.7	39	.74	3.0	2	54
96	PG096	4789.700	1380.170	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	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	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	695	9	59	22	110	.13	.14	5	1	.22	6	2	.045	5.7	51	1.34	3.4	2	30
100	PG100	4791.010	1380.960	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	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	1380.520	8	>	>	34	31	39	31	95	.10	.13	>	3	.25	12	>	.052	>	12	.90	3.0	>	31
102	PG102	4790.850	1380.730	13	>	>	1154	31	53	31	175	.22	.25	>	1	.30	12	>	.050	9.2	47	1.01	2.8	>	26
103	PG103	4790.130	1380.400	20	>	>	1487	20	55	37	75	.87	.68	512	>	.63	21	>	.059	7.7	96	.72	2.4	>	63
104	PG104	4790.460	1380.310	4	>	>	23	47	47	14	45	.05	.09	>	>	.19	9	>	.034	1.5	11	1.08	2.4	>	19
105	PG105	4790.340	1380.320	6	>	>	25	6	45	29	84	.05	.07	>	1	.19	8	>	.043	3.6	15	1.05	3.0	>	24
106	PG106	4790.160	1380.100	5	>	>	22	5	28	4	59	.03	.11	471	>	.05	3	>	.028	7.4	21	2.08	4.2	>	14
107	PG107	4790.580	1380.000	5	>	>	57	8	47	24	203	.09	.17	>	>	.15	8	>	.096	4.2	40	1.25	2.8	>	25
108	PG108	4791.040	1380.630	4	>	>	152	49	80	23	198	.07	.17	5	1	.19	17	>	.079	8	54	1.07	3.0	>	21
109	PG109	4791.530	1380.610	7	>	>	127	7	45	36	213	.43	.34	73	1	.28	31	>	.112	6.2	50	.79	2.4	>	54
110	PG110	4791.890	1380.650	7	>	>	127	7	45	45	141	.14	.14	>	4	.25	8	>	.190	2.8	129	1.18	3.0	>	30
111	PG111	4791.100	1380.280	5	>	>	35	5	49	16	49	.05	.09	5	1	.12	8	>	.036	2.8	27	1.07	3.0	>	18
112	PG112	4791.620	1380.300	6	>	>	72	13	69	20	103	.30	.33	5	1	.15	15	>	.073	2.4	29	.94	2.0	>	33
113	PG113	4791.950	1380.280	6	>	>	68	23	47	39	194	.07	.19	5	2	.25	15	>	.063	8.9	44	1.20	2.8	>	45
114	PG114	4791.300	1380.040	4	>	>	118	22	62	35	143	.29	.49	144	1	.33	18	>	.056	8.4	62	.87	2.2	>	45
115	PG115	4792.540	1380.800	1	>	>	18	3	40	15	111	.04	.04	5	1	.18	6	>	.056	5.0	10	1.64	3.6	>	24
116	PG116	4792.440	1380.360	1	>	>	24	7	44	13	247	.04	.04	5	1	.17	11	>	.080	3.1	21	1.63	3.8	>	16
117	PG117	4792.380	1380.400	9	>	>	18	5	93	8	233	.07	.10	5	1	.28	9	>	.057	2.7	13	1.82	3.6	>	20
118	PG118	4792.250	1380.060	5	>	>	33	5	54	34	166	.04	.04	5	1	.17	36	>	.086	6.8	29	1.21	3.4	>	25
119	PG119	4793.450	1380.230	5	>	>	19	5	74	13	215	.04	.05	5	2	.15	25	>	.072	3.4	15	1.89	4.8	>	21
120	PG120	4785.470	1379.460	7	>	>	162	7	58	24	222	.32	.31	5	1	.17	25	>	.291	7.0	140	.45	2.0	>	11
121	PG121	4785.720	1379.700	7	>	>	27	7	43	24	165	.07	.18	5	1	.14	7	>	.058	2.0	22	.57	5.4	>	18
122	PG122	4786.040	1379.720	4	>	>	29	4	35	15	154	.05	.13	5	1	.17	5	>	.056	4.0	25	.81	3.0	>	11
123	PG123	4786.300	1379.720	12	>	>	963	2	49	22	132	.15	.16	5	1	.34	10	>	.070	2.9	45	.94	3.4	>	31
124	PG124	4786.600	1379.670	25	2	1158	14	112	68	14	112	.17	.10	5	3	.34	24	>	.068	3.5	64	.96	3.2	>	32
125	PG125	4786.410	1379.820	11	>	>	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	9	>	>	939	23	58	25	145	.17	.26	5	1	.31	16	>	.083	3.9	34	.90	2.6	>	39
127	PG127	4786.160	1379.330	4	>	>	912	46	116	25	105	.34	.37	3306	1	.40	36	44	.052	9.3	55	.80	3.8	>	35
128	PG128	4786.450	1379.380	3	>	>	27	4	45	26	52	.42	.42	645	1	.14	8	>	.048	1.3	14	1.10	3.9	>	17
129	PG129	4786.560	1379.120	27	>	>	1284	5	50	49	46	.59	.30	372	2	.42	11	>	.079	6.7	67	.53	2.8	>	42
130	PG130	4786.700	1379.210	41	>	>	52	16	56	22	204	.07	.23	5	1	.16	13	>	.043	2.2	14	1.04	3.4	>	33
131	PG131	4787.150	1379.370	3	>	>	21	3	37	25	131	.07	.03	5	1	.24	6	>	.102	1.1	8	.98	3.5	>	23
132	PG132	4787.180	1379.990	7	>	>	973	35	80	31	45	.64	.39	1156	1	.38	40	>	.042	2.9	57	.89	2.8	>	46
133	PG133	4787.170	1379.640	4	>	>	62	5	148	29	65	.10	.08	5	1	.23	65	>	.102	2.8	14	.97	3.2	>	29
134	PG134	4787.330	1379.810	6	>	>	1680	6	47	26	101	.28	.05	5	2	.52	14	>	.129	2.2	33	1.04	3.4	>	49
135	PG135	4787.820	1379.860	6	>	>	1572	6	43	26	70	.19	.07	5	3	.45	12	>	.052	2.2	37	1.05	3.0	>	50
136	PG136	4787.700	1379.400	33	>	>	1647	10	63	31	66	.23	.06	5	2	.49	21	>	.112	2.7	37	1.19	3.6	>	59
137	PG137	4787.560	1378.940	21	>	>	318	21	55	30	60	1.00	.77	442	1	.43	18	>	.077	1.2	86	.65	2.2	>	49
138	PG138	4788.670	1379.720	4	>	>	18	4	37	24	45	.05	.05	5	1	.21	10	>	.064	2.2	7	1.00	3.2	>	30
139	PG139	4788.400	1379.480	10	>	>	21	9	57	25	123	.06	.33	5	1	.17	13	>	.060	2.2	13	1.03	2.6	>	34
140	PG140	4788.910	1379.470	7	>	>	1485	27	44	27	55	.20	.06	5	1	.46	9	>	.066	2.2	32	1.23	3.4	>	50
141	PG141	4788.140	1379.180	4	>	>	17	4	34	28	152	.05	.02	5	1	.28	8	>	.088	7.5	5	.95	3.4	>	28
142	PG142	4788.650	1379.090	13	>	>	745	7	52	14	78	.14	.07	5	3	.19	12	>	.081	10.0	32	1.34	3.8	>	24
143	PG143	4789.250	1379.830	10	>	>	1302	6	37	26	74	.19	.03	5	3	.35	11	>	.087	5.4	20	1.02	2.8	>	37
144	PG144	4789.790	1379.810	21	>	>	1462	7	42	26	125	.21	.02	5	2	.37	10	>	.069	10.0	23	1.15	3.2	>	35
145	PG145	4789.470	1379.380	16	>	>	1152	4	35	17	116	.17	.04	5	3	.30	8	>	.042	6.8	20	1.27	3.2	>	33
146	PG146	4789.200	1379.040	13	>	>	1260	6	57	25	145	.18	.10	5	2	.31	14	>	.056	4.4	45	1.18	3.2	>	33
147	PG147	4789.900	1379.060	8	>	>	1478	8	51	24	100	.80	.16	5	2	.47	15	>	.053	12.4	40	1.12	2.8	>	39
148	PG148	4790.080	1379.550	24	>	>	14	4	37	20	89	.04	.03	5	3	.23	9	>	.047	1.5	29	1.35	3.0	>	36
149	PG149	4790.580	1379.680	25	>	>	1564	24	52	24	137	.23	.05	5	3	.41	12	>	.106	4.7	5	1.05	2.8	>	36
150	PG150	4790.430	1379.800	13	>	>	13	15	46	15	94	.04	.05	5	2	.19	8	>	.045	4.7	5	1.38	3.2	>	30

List of Geochemical Analysis (4)

Seq. Sample No.	Location (km)	As	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Sr	Ti	U	W	Zn
	X-coord Y-coord	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
151	4790.890 1379.130	35	>	1123	9	59	28	119	32	.30	5	3	.49	17	>	.057	4.8	66	.93	3.2	>	41
152	4791.010 1379.720	11	>	706	10	45	17	88	.11	.10	8	2	.18	8	5	.048	7.4	45	1.75	3.6	>	27
153	4791.630 1379.880	21	>	1177	43	63	35	94	.48	.55	1547	3	.37	28	4	.072	9.1	52	.93	1.8	>	84
154	4791.350 1379.700	15	>	46	30	61	23	275	.05	.14	5	2	.26	12	2	.070	>	42	1.10	2.8	>	31
155	4791.610 1379.630	>	2	829	30	61	28	210	.17	.28	540	3	.22	19	32	.061	10.2	37	1.14	2.8	>	63
156	4791.900 1379.470	11	>	811	106	66	28	216	.15	.23	2295	2	.20	19	10	.067	11.5	31	1.40	3.0	>	76
157	4791.640 1379.250	>	>	811	13	61	22	114	.16	.32	5	1	.20	14	10	.121	3.1	74	1.08	2.2	>	37
158	4792.010 1379.830	37	>	1022	8	47	36	194	.20	.18	5	3	.26	14	5	.075	13.0	57	1.20	2.8	>	35
159	4792.630 1379.880	28	>	1594	9	48	21	174	.22	.04	5	4	.41	10	2	.121	10.6	33	1.11	3.2	>	34
160	4792.310 1379.460	3	>	753	3	47	25	82	.12	.14	5	2	.18	11	12	.051	11.8	47	1.54	3.2	>	30
161	4792.770 1379.510	>	>	1020	9	43	16	104	.14	.05	5	3	.25	8	2	.059	9.8	29	1.62	3.6	>	25
162	4792.490 1379.080	13	>	1047	7	41	32	114	.15	.15	5	2	.25	7	7	.090	17.0	74	1.51	3.2	>	32
163	4792.970 1379.150	15	>	1156	1	41	16	92	.17	.04	5	4	.29	7	2	.104	6.7	27	1.31	3.4	>	96
164	4793.300 1379.410	30	>	72	2	77	39	279	.05	.11	5	4	.28	14	2	.155	8	80	.85	2.4	>	27
165	4793.840 1379.940	3	>	1201	5	41	15	235	.18	.04	5	3	.31	10	2	.100	7.6	28	1.57	3.6	>	29
166	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	>	22
167	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	>	33
168	4786.570 1378.510	>	>	381	16	33	24	62	.14	.54	5	2	.13	20	6	.035	2.3	18	.73	2.0	>	48
169	4787.880 1378.490	>	>	215	9	37	7	54	.04	.13	197	1	.05	8	26	.042	3.6	17	.91	4.4	>	23
170	4787.540 1378.010	>	>	38	10	39	35	60	.11	.45	5	1	.12	16	2	.042	1.4	12	.59	2.2	>	38
171	4788.330 1378.760	4	>	753	10	31	20	80	.12	.04	5	5	.21	20	2	.079	6.4	17	1.18	3.6	>	33
172	4788.610 1378.420	6	>	18	7	36	23	75	.05	.05	5	3	.17	13	2	.065	8	9	1.17	3.4	>	34
173	4788.400 1378.230	>	>	43	8	49	11	248	.06	.06	5	2	.09	10	2	.056	1.5	53	1.12	3.4	>	17
174	4788.090 1377.970	8	>	69	14	78	19	66	.25	.29	5	2	.06	29	5	.064	2.9	25	.67	2.2	>	35
175	4788.560 1377.980	>	>	18	10	44	25	131	.05	.06	5	3	.16	12	2	.068	7.0	9	1.05	3.2	>	33
176	4789.090 1378.570	>	>	15	8	65	21	128	.03	.04	5	3	.16	17	2	.057	5.3	7	1.26	3.4	>	33
177	4789.480 1378.620	7	>	65	18	70	23	102	.06	.24	5	2	.13	33	2	.082	3.4	22	.90	2.8	>	46
178	4789.020 1378.270	>	>	17	3	31	24	175	.05	.04	5	2	.23	11	2	.089	6.6	8	.94	3.6	>	36
179	4789.530 1378.050	>	>	17	8	40	21	80	.04	.06	5	4	.17	10	2	.059	3.9	26	1.28	3.4	>	31
180	4789.930 1378.070	>	>	30	4	46	18	84	.04	.05	5	2	.16	10	2	.054	2	8	1.19	3.4	>	26
181	4790.220 1378.460	19	>	178	16	66	23	98	.39	.45	266	3	.26	30	8	.115	3.5	71	.71	2.2	>	57
182	4790.320 1378.810	10	>	15	6	87	19	101	.04	.04	5	1	.24	24	2	.052	5.3	5	1.05	2.6	>	34
183	4790.210 1378.550	>	>	578	11	76	16	96	.10	.11	5	2	.16	16	2	.058	4.0	61	1.18	2.8	>	23
184	4790.520 1378.180	23	>	901	6	243	17	104	.13	.12	5	4	.23	58	2	.078	7.4	67	1.03	2.8	>	30
185	4790.850 1378.220	4	>	531	5	64	11	131	.10	.16	5	2	.15	14	2	.060	7.9	63	1.05	2.6	>	22
186	4791.230 1378.680	7	>	24	7	95	25	137	.04	.04	5	3	.23	28	2	.111	4.3	17	.93	3.2	>	35
187	4791.550 1378.640	20	>	1104	74	129	35	122	.17	.28	2839	1	.31	36	9	.059	2.7	38	1.00	2.4	>	85
189	4791.110 1378.120	12	>	684	6	70	16	83	.09	.08	5	1	.19	14	5	.057	6.2	59	1.35	3.2	>	31
190	4791.420 1378.130	10	>	50	9	42	13	86	.11	.09	5	1	.08	12	2	.053	5.6	34	1.44	3.0	>	22
191	4791.540 1378.300	10	>	62	6	245	25	112	.06	.09	5	3	.12	90	2	.074	4.4	47	1.37	3.0	>	39
192	4791.860 1378.170	>	>	167	32	64	39	107	.39	.46	1074	2	.24	32	2	.072	4	40	.79	2.2	>	104
193	4792.290 1378.680	6	>	24	8	35	26	56	.04	.06	5	4	.16	8	2	.056	5.6	18	1.31	3.0	>	30
194	4792.750 1378.810	>	>	47	10	38	13	103	.03	.02	5	1	.18	10	2	.050	2	8	1.29	3.6	>	28
195	4792.290 1378.220	>	>	17	6	42	48	62	.06	.10	5	4	.19	15	2	.079	3.5	26	.77	2.2	>	37
196	4792.650 1378.370	>	>	18	8	35	8	214	.03	.04	5	3	.13	9	2	.068	3.5	13	1.40	4.0	>	25
197	4792.720 1377.970	>	>	35	5	39	20	153	.04	.04	5	3	.22	13	2	.063	3.0	9	1.07	3.0	>	35
198	4793.130 1378.370	>	>	35	5	41	25	147	.05	.08	5	3	.19	13	2	.078	3.0	37	1.29	3.0	>	28
199	4793.690 1378.300	8	>	23	5	35	20	104	.04	.04	5	1	.22	11	2	.087	2.1	15	1.00	2.2	>	32
200	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	>	3

List of Geochemical Analysis (5)

Ser. No.	Sample No.	Location (km)	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	11	.07	.03	5	2	.07	6	12	.043	32.9	147	.38	1.6	2	8
202	PG202	4787.550	1376.990	1	2	31	3	38	11	.05	.04	5	2	.12	8	8	.055	15.4	23	.85	1.8	2	13
203	PG203	4788.070	1377.650	1	1	24	6	45	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	.85	.79	470	3	.43	24	2	.073	3.7	100	.60	2.0	2	66
205	PG205	4788.240	1377.320	17	1	48	9	66	15	.19	.14	5	3	.10	17	5	.036	4.7	38	.60	2.2	2	30
206	PG206	4788.500	1377.280	1	1	65	7	79	14	.25	.13	5	3	.09	17	2	.026	7	66	.50	2.2	2	21
207	PG207	4788.540	1376.960	7	1	45	3	54	5	.05	.02	5	3	.07	10	20	.056	11.5	42	.74	2.6	2	9
208	PG208	4788.850	1376.970	18	5	42	4	69	10	.06	.06	5	3	.09	18	30	.083	19.1	40	1.06	3.6	2	17
209	PG209	4789.340	1377.680	1	1	25	6	44	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	.16	.04	5	4	.42	13	2	.047	2.2	6	1.17	3.6	2	51
211	PG211	4789.640	1377.620	1	1	14	6	54	111	.04	.02	5	2	.18	14	2	.065	2	30	1.05	2.8	2	31
212	PG212	4789.350	1377.240	27	1	100	12	54	22	.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	.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	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	.03	.05	5	2	.18	10	2	.049	2	15	1.05	2.8	2	34
216	PG216	4790.280	1377.950	1	1	22	9	36	17	.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	.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	45	19	.04	.10	391	1	.10	11	5	.054	7.5	39	1.32	3.2	2	25
219	PG219	4791.190	1377.990	1	1	50	11	43	21	.05	.07	32	1	.11	9	2	.046	3.5	22	1.17	3.0	2	33
220	PG220	4791.430	1377.890	8	1	65	7	45	11	.04	.09	88	1	.08	8	6	.057	7.4	49	1.21	3.4	2	19
221	PG221	4791.740	1377.630	6	1	89	16	47	29	.17	.35	31	1	.23	15	7	.049	7.4	65	1.04	2.6	2	41
222	PG222	4791.940	1377.230	1	1	163	27	50	30	.34	.47	647	1	.20	25	2	.076	6.0	47	.82	2.0	2	72
223	PG223	4792.080	1377.810	3	1	139	75	57	35	.12	.28	3939	3	.11	25	18	.053	7.8	28	1.10	3.0	2	63
224	PG224	4792.290	1377.500	22	4	96	20	38	42	.15	.30	1863	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	.05	.03	5	4	.16	17	2	.111	2	12	.87	3.0	2	36
226	PG226	4792.570	1377.140	1	1	29	4	25	17	.05	.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	.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	.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	29	10	29	23	.06	.02	211	2	.15	14	2	.086	18.5	7	.86	3.0	2	33
230	PG230	4786.540	1376.830	24	1	86	1	502	18	.06	.24	5	1	.12	93	10	.166	6.4	167	.58	2.4	2	25
231	PG231	4786.560	1376.560	8	1	117	2	38	6	.04	.01	2136	3	.06	4	6	.144	9.8	173	.50	1.6	2	2
232	PG232	4787.540	1376.010	9	1	125	70	70	23	.38	.41	5	1	.10	35	6	.054	5.0	52	.37	1.8	2	3
233	PG233	4788.550	1376.860	10	1	37	2	48	3	.04	.01	5	2	.04	10	4	.034	5.0	45	.55	2.2	2	6
234	PG234	4788.630	1376.030	9	1	28	3	47	3	.03	.01	5	2	.06	8	5	.043	10.2	30	.74	3.4	2	27
235	PG235	4789.200	1376.950	2	3	85	8	63	15	.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	.60	.67	398	1	.23	24	2	.065	8	111	.58	2.8	2	60
238	PG238	4789.570	1376.650	16	1	37	8	71	13	.04	.06	5	1	.08	14	5	.042	4.0	22	1.06	3.0	2	15
239	PG239	4789.510	1376.830	10	1	28	3	33	12	.04	.03	5	1	.08	9	3	.048	1.8	17	1.05	3.2	2	15
240	PG240	4789.700	1376.040	1	6	28	4	29	10	.04	.04	5	1	.09	8	6	.035	2.2	18	1.00	3.2	2	15
241	PG241	4790.290	1376.720	38	1	100	46	31	24	.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	.24	.34	917	2	.10	68	4	.045	1.6	38	.69	2.6	2	55
243	PG243	4790.520	1376.180	36	1	215	18	295	47	.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	.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	15	376	111	.05	.06	5	2	.13	41	5	.122	6.8	53	.79	2.8	2	36
246	PG246	4791.240	1376.900	12	1	97	15	121	27	.07	.20	6	2	.16	43	2	.079	9	7	.96	3.2	2	36
247	PG247	4791.380	1376.400	6	1	31	1	121	28	.03	.04	5	2	.12	29	2	.050	1.1	12	.96	3.6	2	36
248	PG248	4791.290	1376.100	1	1	20	6	93	19	.03	.04	5	2	.23	70	4	.098	5.1	76	.69	2.8	2	74
249	PG249	4791.970	1376.550	10	1	318	25	193	48	.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	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	Y-coord	As	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Nb	Na	Ni	Pb	S	Sb	Sr	Ti	U	W	Zn
					ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
251	PG251		4792.890	1376.640	3	1	28	6	118	20	89	0.05	0.04	5	1	11	53	5	0.064	2	14	.92	2.8	31	
252	PG252		4792.900	1376.170	3	1	29	26	198	23	82	.04	.04	74	4	15	96	4	.087	2	13	.93	3.0	45	
253	PG253		4793.500	1376.190	11	1	93	11	308	42	113	.11	.21	5	3	14	118	4	.096	6.6	47	1.08	2.8	54	
254	PG254		4795.510	1375.540	7	1	371	13	117	19	54	1.78	.44	143	1	67	43	11	.032	4.2	88	3.7	3.6	31	
255	PG255		4796.370	1375.330	1	1	54	35	202	17	83	.05	.15	1669	2	09	54	25	.051	1.7	11	1.00	3.8	23	
256	PG256		4796.820	1375.400	1	1	52	7	151	13	125	.06	.12	5	1	15	41	2	.069	3.2	24	.67	3.0	24	
257	PG257		4787.340	1375.430	4	1	19	4	178	19	129	.17	.17	5	1	09	64	6	.080	9.0	37	.47	1.8	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	15	
259	PG259		4787.580	1375.000	4	1	39	5	155	7	191	.02	.01	46	1	04	82	8	.051	1.2	15	.40	2.0	5	
260	PG260		4786.140	1375.480	8	1	37	5	305	6	85	.03	.01	5	1	04	95	6	.058	4.6	35	.53	2.2	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	23	
262	PG262		4788.790	1375.280	1	1	23	4	166	9	73	.03	.02	5	1	07	55	2	.052	3.7	15	.81	3.6	15	
263	PG263		4786.990	1375.770	11	1	58	5	247	11	149	.03	.02	8	2	05	72	11	.066	2.3	24	.84	3.6	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	
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	
266	PG266		4789.140	1375.090	2	1	41	9	293	12	293	.09	.06	5	1	14	44	2	.063	3.9	27	.80	2.8	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	
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	23	
269	PG269		4790.660	1375.860	28	1	76	16	167	24	124	.11	.19	5	1	09	62	4	.057	1.6	35	.79	2.8	2	
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	
271	PG271		4790.480	1375.150	6	1	57	8	228	20	55	.05	.05	63	1	09	68	14	.104	1.0	22	.90	3.0	31	
272	PG272		4791.090	1375.830	1	1	55	4	223	21	108	.03	.01	5	1	05	74	5	.052	2.5	38	.99	3.0	2	
273	PG273		4791.540	1375.910	9	1	14	4	222	20	163	.04	.06	5	1	05	112	3	.057	5.0	6	1.01	3.2	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	53	
275	PG275		4791.800	1375.440	1	1	36	8	350	31	141	.07	.11	5	1	07	593	17	.239	2.2	26	.71	2.6	26	
276	PG276		4791.040	1375.990	96	1	61	22	359	31	178	.03	.05	44	1	08	60	4	.042	5.9	24	1.51	4.2	53	
277	PG277		4792.290	1375.800	10	1	126	48	189	43	141	.19	.26	2141	2	11	75	14	.038	3.1	27	1.02	2.8	24	
278	PG278		4792.840	1375.720	14	1	52	9	146	27	94	.05	.07	5	1	09	43	2	.050	6.3	11	.41	2.2	49	
279	PG279		4792.080	1375.220	13	1	38	10	144	34	183	.03	.16	5	2	09	43	2	.036	2.4	25	.99	3.2	32	
280	PG280		4792.440	1375.870	1	1	52	12	96	28	125	.05	.07	5	2	09	24	10	.036	4.3	48	.94	3.8	48	
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	48	
282	PG282		4793.860	1375.770	1	1	48	12	136	25	38	.09	.06	5	3	11	41	8	.030	2	15	.76	3.8	41	
283	PG283		4796.650	1375.280	1	1	71	24	317	26	74	.08	.07	5	1	13	94	7	.115	6	21	1.07	4.2	52	
284	PG284		4785.530	1374.630	5	1	285	31	234	28	52	1.00	.95	1056	1	35	75	10	.073	3.0	166	.57	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	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	49	
287	PG287		4785.900	1374.010	1	1	202	78	347	30	455	.20	.46	4103	2	08	88	33	.132	8.5	45	1.59	2.2	191	
288	PG288		4786.070	1374.920	7	1	74	5	198	14	35	.34	.34	37	1	07	66	16	.045	5	26	.34	1.8	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	19	
290	PG290		4786.770	1374.430	6	1	289	12	213	25	97	1.26	.37	5	1	46	91	15	.046	1.9	30	.28	2.8	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	47	
292	PG292		4787.190	1374.630	6	1	56	17	263	60	119	.07	.10	5	2	15	109	79	.074	18.6	10	.86	2.4	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	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	
295	PG295		4788.190	1374.650	1	1	24	2	271	10	90	.03	.01	5	1	04	91	8	.062	19.5	22	.38	1.8	9	
296	PG296		4788.850	1374.670	1	1	43	3	137	9	68	.04	.02	5	1	08	56	5	.058	6.3	25	.97	2.8	13	
297	PG297		4786.810	1374.190	5	1	64	6	182	9	73	.04	.02	5	2	08	70	10	.067	4.8	21	.88	3.2	19	
298	PG298		4789.400	1374.650	7	1	54	4	248	24	65	.06	.06	5	1	16	108	3	.077	4.3	20	.97	3.0	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	28	
300	PG300		4789.530	1374.040	13	1	41	7	265	35	45	.04	.01	53	2	07	94	12	.059	6.8	25	.88	3.2	16	

List of Geochemical Analysis (7)

Ser. No.	Sample No.	Location (km)		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	
		X-coord	Y-coord																						
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	.15	5	> 1	.12	111	32	.104	5.3	51	.82	2.6	> 1	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	> 1	46	
305	PG305	4792.060	1374.660	17	> 1	278	44	857	57	149	.32	.39	2617	> 1	.21	276	20	.115	9.3	71	.90	2.4	> 1	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	1.23	4.0	> 1	49	
307	PG307	4792.920	1375.060	9	> 1	38	7	235	23	87	.06	.09	5	1	.12	92	> 1	.082	4.7	22	1.18	4.2	> 1	37	
308	PG308	4793.190	1374.820	12	> 1	69	12	201	27	34	.09	.14	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	4	.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	30	.20	.20	133	4	.21	113	9	.212	2.1	65	.70	3.2	> 1	48	
313	PG313	4794.600	1374.810	> 1	> 1	95	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	> 1	38	
315	PG315	4794.860	1374.420	5	> 1	107	7	239	39	34	.29	.34	5	5	.15	107	9	.060	10.0	43	.69	4.4	> 1	58	
316	PG316	4795.040	1374.820	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	12	> 1	82	9	388	18	49	.05	.05	171	2	.09	114	18	.061	7.6	27	.90	3.4	> 1	41	
319	PG319	4795.630	1374.860	3	> 1	91	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	4795	40	52	.35	.45	5	3	.16	101	9	.067	1.6	43	.64	3.0	> 1	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	3.2	> 1	38	
323	PG323	4795.370	1374.070	5	> 1	235	39	240	33	60	.21	.23	777	3	.14	95	15	.135	4.5	62	.94	3.6	> 1	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	> 1	49	
325	PG325	4785.900	1373.540	15	> 1	118	13	470	37	403	.65	.65	5	1	.20	147	22	.066	5.1	47	.72	2.0	> 1	60	
326	PG326	4785.750	1373.060	> 1	> 1	213	37	559	50	120	.12	.15	639	2	.22	213	16	.115	7.3	27	.86	2.0	> 1	72	
327	PG327	4786.540	1373.560	5	> 1	256	77	233	42	103	.12	.15	2934	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	.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	> 1	102	
330	PG330	4787.540	1373.560	> 1	> 1	246	37	193	53	35	.70	.55	590	1	.44	95	11	.062	10.0	72	.69	2.2	> 1	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	> 1	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	> 1	55	
333	PG333	4788.190	1373.740	11	> 1	46	9	442	17	105	.07	.06	5	3	.11	125	2	.088	4.9	36	.86	2.8	> 1	26	
334	PG334	4788.870	1373.730	> 1	> 1	24	5	239	10	54	.03	.01	5	2	.07	58	4	.055	4.7	16	.88	3.4	> 1	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	> 1	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	> 1	28	
337	PG337	4789.590	1373.690	10	> 1	40	3	294	14	47	.05	.04	5	> 1	.09	76	3	.055	1.6	24	1.04	2.8	> 1	24	
338	PG338	4789.640	1373.120	> 1	> 1	34	2	275	15	44	.07	.05	5	4	.09	101	18	.091	3	24	.97	3.8	6	22	
339	PG339	4790.220	1373.120	14	> 1	39	5	277	12	82	.07	.05	5	2	.14	118	22	.108	3.1	25	.85	3.2	> 1	22	
340	PG340	4790.570	1373.410	8	> 1	55	6	375	15	89	.04	.08	5	> 1	.09	126	14	.075	4.4	30	1.03	3.0	6	28	
341	PG341	4791.300	1373.740	> 1	> 1	88	9	96	15	36	.04	.10	289	1	.07	32	10	.049	9.5	28	1.25	3.0	4	30	
342	PG342	4791.860	1373.910	> 1	> 1	42	3	107	12	37	.05	.04	5	> 1	.07	29	22	.095	7.2	25	1.05	3.6	> 1	30	
343	PG343	4791.040	1373.430	6	> 1	54	2	30	10	33	.05	.05	67	1	.12	8	8	.038	4.0	23	.95	3.4	> 1	15	
344	PG344	4791.860	1373.270	> 1	> 1	157	49	27	25	56	.06	.19	1385	1	.12	13	13	.049	8.3	23	.95	3.2	> 1	43	
345	PG345	4792.380	1373.780	6	> 1	299	24	53	27	102	.37	.39	1397	> 1	.18	23	22	.077	8.1	111	.85	2.4	> 1	67	
346	PG346	4792.830	1373.870	33	> 1	37	2	34	9	23	.06	.05	5	2	.08	8	8	.039	1.4	20	.94	3.0	3	17	
347	PG347	4792.310	1373.260	6	> 1	77	6	30	10	67	.04	.06	171	> 1	.06	8	8	.037	4.7	23	1.18	3.8	2	18	
348	PG348	4792.770	1373.470	> 1	> 1	78	17	36	17	39	.09	.16	5	4	.08	17	14	.046	2.7	35	.86	3.0	> 1	34	
349	PG349	4793.440	1373.890	> 1	> 1	58	2	45	12	54	.06	.07	5	5	.08	12	3	.047	2.8	29	.99	3.5	> 1	18	
350	PG350	4793.270	1373.610	> 1	> 1																				

List of Geochemical Analysis (8)

Ser. No.	Sample No.	Location (km)	As	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Mb	Na	Ni	Pb	S	Sb	Sr	Ti	U	W	Zn
		X-coord	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
351	PG351	4793.720	4	>	51	8	45	10	36	.06	.08	97	2	.07	13	17	.037	>	25	1.13	4.2	3	27
352	PG352	4793.080	17	>	58	45	39	15	55	.12	.10	586	2	.06	15	15	.034	4.3	23	.87	3.6	2	26
353	PG353	4793.530	5	>	49	5	40	9	50	.05	.05	5	2	.08	9	11	.027	5.6	19	.88	3.4	2	16
354	PG354	4794.030	19	>	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	16	>	85	11	47	17	35	.06	.09	5	4	.12	11	8	.041	>	29	1.08	4.0	5	44
356	PG356	4794.130	1	>	194	17	42	22	50	.14	.19	304	3	.11	13	17	.174	6.8	65	1.33	3.2	5	33
357	PG357	4794.620	11	>	114	52	58	35	145	.14	.23	581	3	.12	20	22	.105	8.3	58	1.03	4.0	5	53
358	PG358	4795.220	9	>	89	10	40	10	39	.05	.07	172	3	.05	11	11	.088	3.5	29	.98	3.2	5	20
359	PG359	4795.040	9	>	100	7	40	18	50	.07	.14	5	1	.06	17	9	.061	3.7	41	1.28	4.0	5	28
360	PG360	4795.310	1	>	133	32	38	22	47	.23	.18	506	2	.12	18	14	.077	5	45	1.27	3.4	2	49
361	PG361	4795.470	1	>	75	12	32	11	53	.05	.05	565	2	.05	14	19	.046	4.5	28	.70	2.4	5	21
362	PG362	4795.890	14	>	365	69	39	40	100	.28	.56	3198	1	.16	16	20	.081	8.9	64	1.96	2.4	2	49
363	PG363	4785.560	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	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	7	>	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	12	>	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	4	>	299	41	31	54	170	1.02	1.02	1904	1	.25	16	13	.045	11.8	103	.73	1.0	2	53
368	PG368	4787.230	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	1	>	194	13	29	45	636	.47	.98	226	3	.44	10	2	.053	44.2	110	.59	1.2	2	55
370	PG370	4787.880	126	2	269	16	32	38	408	.28	.55	361	1	.23	8	9	.037	27.1	69	.68	1.6	2	58
371	PG371	4787.120	11	>	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	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	1	38	4	31	15	142	.08	.15	5	1	.11	12	2	.092	6.4	13	.68	3.2	2	21
374	PG374	4788.860	1372.830	8	32	1	31	4	132	.04	.01	5	1	.06	6	2	.036	5.9	22	.77	3.0	2	6
375	PG375	4788.290	1372.490	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	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	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	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	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	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	40	8	73	15	104	.05	.06	5	1	.08	29	2	.054	10.3	24	.90	3.2	2	26
382	PG382	4789.530	1372.700	26	145	31	34	35	245	.21	.28	1152	1	.28	20	5	.049	15.1	36	.69	2.2	2	63
383	PG383	4790.530	1372.700	15	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	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	1372.690	35	41	4	57	5	48	.04	.03	5	1	.06	14	6	.034	7.2	25	.83	3.0	2	16
386	PG386	4791.730	1372.770	1	55	4	210	9	86	.04	.03	5	1	.08	40	2	.044	3.5	32	.63	3.0	2	9
387	PG387	4791.690	1372.400	13	55	4	47	12	40	.06	.04	5	2	.07	14	2	.048	7.5	35	.71	2.6	2	17
388	PG388	4791.730	1372.020	1	125	2	60	11	51	.05	.05	5	1	.06	18	9	.046	5.1	40	.70	2.8	2	9
389	PG389	4792.320	1372.760	31	55	2	72	9	46	.05	.03	5	1	.06	28	6	.055	5.2	32	.74	2.8	2	12
390	PG390	4792.290	1372.220	8	37	3	56	10	33	.04	.03	5	1	.07	18	6	.032	5.2	21	.64	3.4	2	33
391	PG391	4793.630	1372.900	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	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	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	64	6	28	8	59	.05	.03	151	1	.04	2	7	.033	>	22	.85	3.0	2	15
395	PG395	4794.530	1372.640	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	152	19	51	40	294	.40	.45	294	1	.22	21	2	.095	9.5	50	.65	2.4	2	54
397	PG397	4794.190	1372.360	15	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	92	2	51	19	151	.33	.24	5	1	.13	24	10	.073	8.5	51	.67	3.6	2	40
399	PG399	4795.500	1372.420	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	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)	As	Au	Ba	Co	Cr	Cu	Hg	K	Mo	Mn	Mb	Na	Ni	Pb	S	Sb	Sr	Ti	U	W	Zn
		X-coord Y-coord	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
401	PG401	4785.200 1372.090	23	1	59	26	14	17	172	.29	.20	5	1	.17	29	18	.071	2.2	49	.84	3.4	2	32
402	PG402	4785.120 1371.840	2	1	52	2	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	.58	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	4785.020 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	4785.700 1371.780	1	1	67	5	24	19	189	.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	3	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	4	10	.036	7	27	.57	3.2	2	8
409	PG409	4786.460 1371.930	10	1	54	1	40	25	1486	.10	.18	5	3	.19	5	2	.039	2.5	56	.50	2.6	2	26
410	PG410	4786.860 1371.430	1	4	124	2	30	12	209	.41	.39	5	1	.13	16	2	.040	5.8	19	.50	1.5	2	26
411	PG411	4786.460 1371.050	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	280	4	52	30	286	1.57	.57	5	1	.18	8	2	.051	7	27	.26	1.2	2	37
413	PG413	4787.190 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 1371.860	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 1371.830	1	1	140	1	43	25	293	.10	.16	5	1	.17	3	3	.078	7.6	156	.43	1.8	2	13
419	PG419	4787.280 1371.060	2	1	215	3	87	22	271	.66	.39	5	1	.22	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	.20	10	5	.181	7.6	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	9.5	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	.095	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	7.1	233	.44	1.6	2	9
424	PG424	4788.960 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	5	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	51	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	33	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	1	.07	6	6	.046	1.4	30	.77	3.8	2	15
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	.85	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	.85	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	18	.77	3.2	2	13
439	PG439	4792.830 1371.250	1	1	42	4	46	11	40	.06	.05	74	1	.07	4	5	.053	4.6	29	.91	3.6	2	18
440	PG440	4793.320 1371.590	8	1	54	5	38	9	98	.04	.05	5	1	.07	3	5	.049	6.3	30	1.17	3.4	2	33
441	PG441	4793.790 1371.620	1	1	84	14	34	19	139	.08	.09	523	1	.08	3	10	.055	7.0	12	1.26	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	8.5	15	1.32	2.6	2	24
443	PG443	4794.250 1371.290	6	1	76	25	31	18	58	.04	.04	515	1	.07	12	9	.038	6.7	25	1.18	3.4	2	11
444	PG444	4795.500 1371.700	1	1	50	1	43	5	37	.05	.06	111	1	.04	6	12	.030	6.7	25	1.73	3.2	2	7
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	.83	5	1	.18	24	13	.046	16.9	24	.54	2.2	2	35
447	PG447	4785.580 1370.870	29	1	55	2	45	25	379	.08	.74	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	23	2661	.06	.14	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	.037	2.2	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	Y-coord	As	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Mb	Na	Ni	Pb	S	Sb	Sr	Ti	U	W	Zn
					ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	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	360	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	1.8	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	77	1	22	17	579	49	42	3	2	.13	15	3	.060	4.5	69	.56	2.0	2	11
456	PG456		4786.180	1370.190	8	1	172	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	518	12	34	5	2	.12	15	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	14	.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	.15	14	3	.057	2.9	74	.52	1.8	2	14
461	PG461		4788.080	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	81	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	3	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		4788.500	1370.530	28	1	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	2	.05	5	13	.048	5.5	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	19	10	151	08	07	5	2	.08	4	5	.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	4	.08	4	13	.046	4.2	42	.36	2.2	2	15
472	PG472		4790.060	1370.710	9	1	68	1	17	13	82	10	15	133	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	8	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	5	186	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	.88	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	4	.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	8	.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		4792.390	1370.330	22	2	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	.051	6.8	41	.73	3.4	2	51
491	PG491		4793.220	1370.650	1	1	81	8	45	8	40	04	04	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		4794.050	1370.430	37	1	95	1	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	6	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	1	31	10	54	35	36	390	2	.46	11	3	.160	7.7	143	.38	1.4	2	32
497	PG497		4795.220	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		4795.790	1369.980	1	1	392	27	71	35	124	65	65	948	1	.62	45	2	.033	4.6	98	.65	2.0	2	53
499	PG499		4795.280	1369.300	9	1	360	42	102	43	136	1.29	.54	1453	1	.62	45	2	.033	4.6	98	.65	2.0	2	68
500	PG500		4795.840	1369.410	9	1	252	41	59	41	445	.59	.64	2664	1	.35	25	5	.051	8.8	74	.85	1.6	2	61

List of Geochemical Analysis (11)

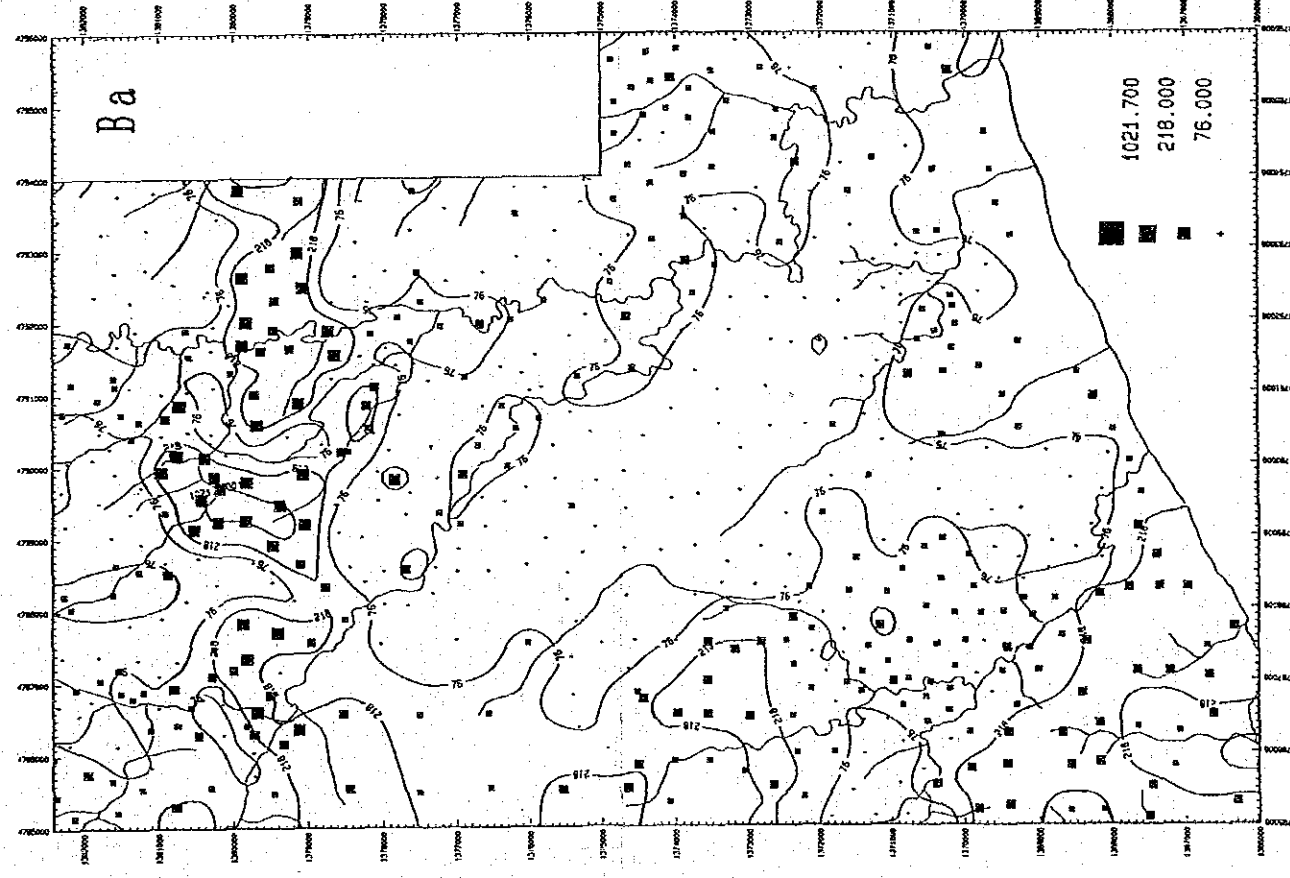
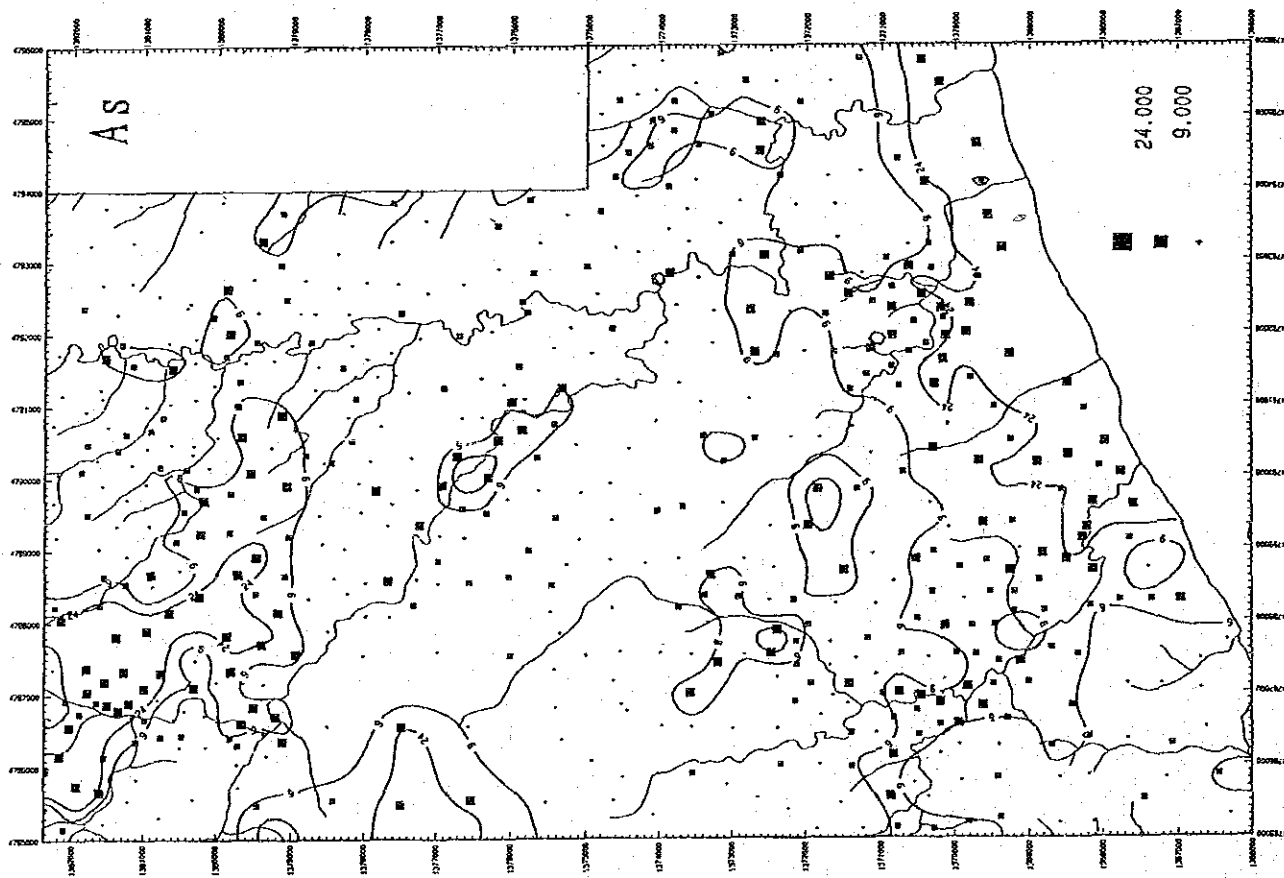
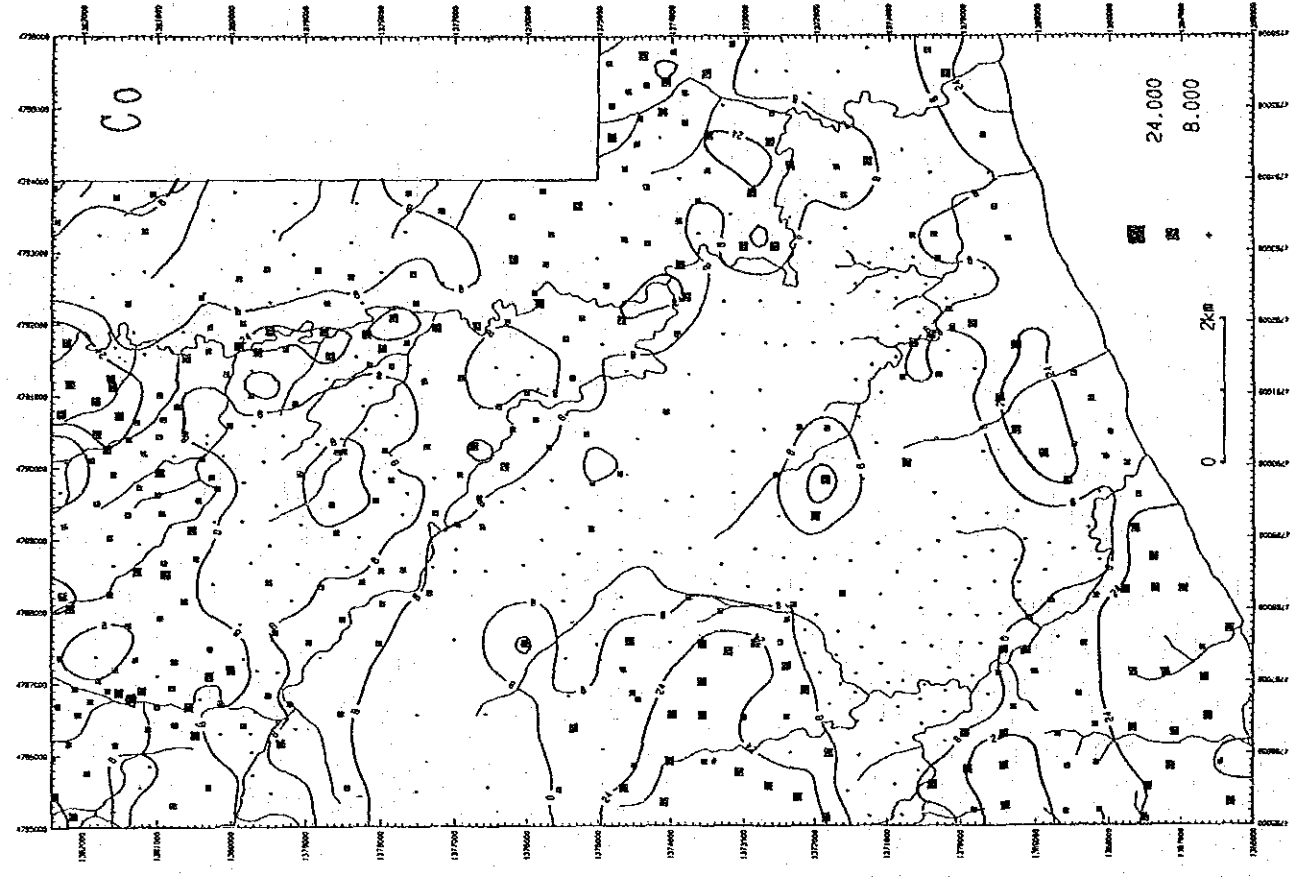
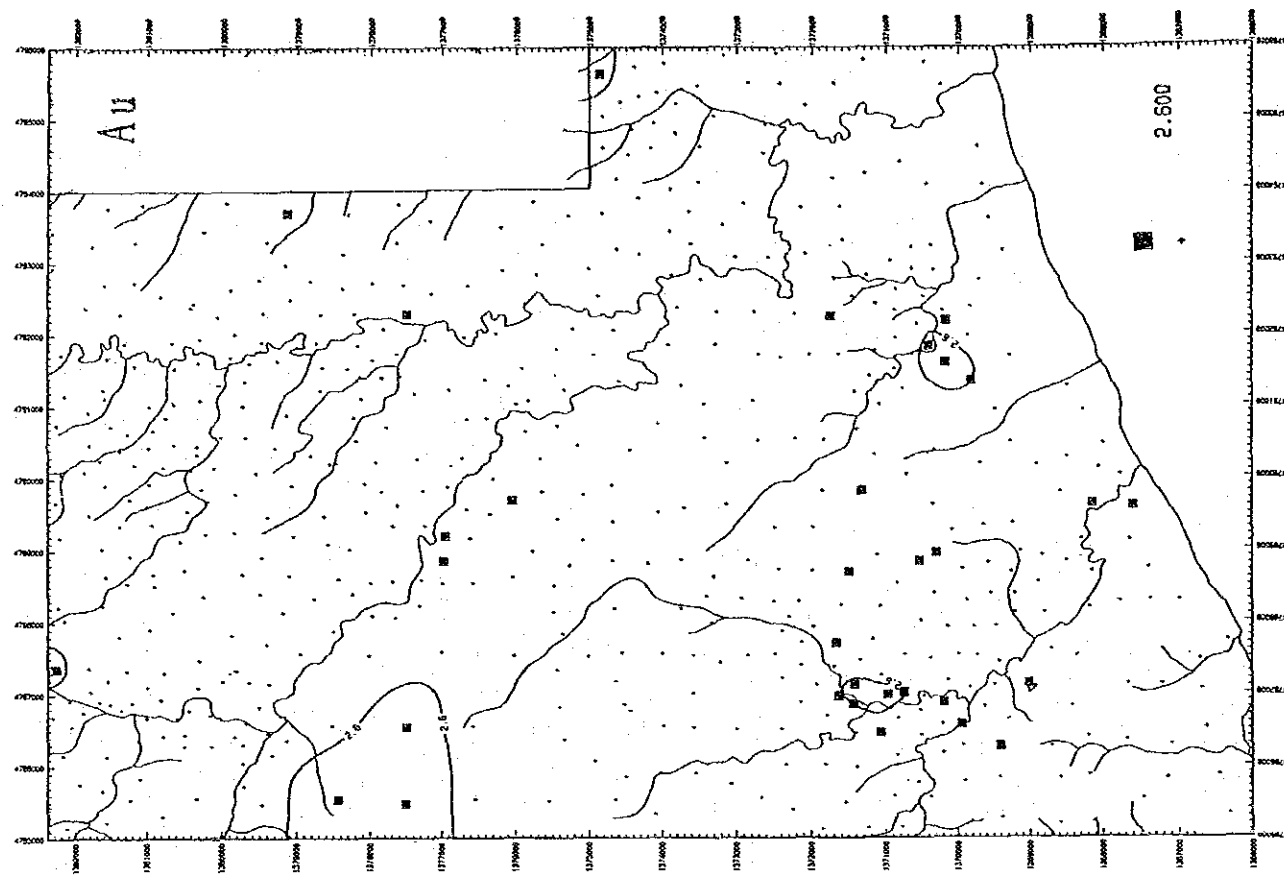
Ser. No.	Sample No.	Location (km)	X-coord	Y-coord	As	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Sr	Ti	U	W	Zn
					ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
501	PG501	4786.290	1369.930	1369.930	>	>	85	37	49	27	356	.15	.70	1180	1	.12	12	>	.049	.6	22	.81	1.4	>	43
502	PG502	4786.580	1369.940	1369.940	25	5	70	17	30	14	477	.08	.32	5	2	.08	2	4	.044	4.7	25	.71	2.0	>	19
503	PG503	4786.280	1369.400	1369.400	>	6	370	25	52	34	155	.72	.57	1807	2	.38	29	>	.064	6.3	97	.67	2.2	>	65
504	PG504	4786.650	1369.280	1369.280	19	1	169	14	20	27	73	.34	.37	570	1	.11	6	>	.040	5.4	41	.40	1.4	>	33
505	PG505	4786.830	1369.830	1369.830	31	2	63	3	50	24	299	.29	.37	5	1	.14	8	>	.050	8	13	.48	1.2	>	40
506	PG506	4787.090	1369.830	1369.830	32	1	69	1	28	20	237	.29	.17	5	3	.10	4	>	.031	1.5	15	.49	2.5	>	38
507	PG507	4787.540	1369.720	1369.720	12	1	73	1	23	12	154	.16	.14	5	3	.09	6	>	.051	5	26	.59	1.9	>	28
508	PG508	4787.930	1369.770	1369.770	14	1	76	1	30	9	148	.14	.12	5	2	.07	2	>	.048	3.2	52	.54	2.2	>	20
509	PG509	4787.180	1369.480	1369.480	9	1	104	11	47	15	143	.11	.23	165	2	.07	9	>	.037	6.2	25	.18	2.0	>	35
510	PG510	4787.450	1369.410	1369.410	15	1	262	33	78	28	85	.85	.88	626	1	.35	29	6	.041	5.1	55	.67	1.6	>	54
511	PG511	4787.950	1369.450	1369.450	16	1	110	5	153	20	331	.40	.38	5	3	.12	22	4	.053	5.5	66	.51	2.0	>	32
512	PG512	4787.140	1369.010	1369.010	15	17	81	10	27	38	64	.24	.42	158	2	.10	6	>	.040	2	16	.60	1.8	>	38
513	PG513	4787.440	1369.120	1369.120	26	1	188	30	27	27	79	.53	.52	649	1	.08	10	>	.047	2.8	41	.53	2.0	>	46
514	PG514	4787.890	1369.050	1369.050	>	1	85	10	41	16	59	.06	.21	546	1	.07	8	>	.035	4.0	25	1.04	2.8	>	36
515	PG515	4788.300	1369.870	1369.870	5	1	93	1	30	11	193	.24	.14	5	2	.07	3	>	.041	3	34	.46	2.2	>	17
516	PG516	4788.740	1369.930	1369.930	17	1	88	1	66	8	185	.20	.15	5	6	.08	6	5	.039	2.0	42	.61	3.2	>	15
517	PG517	4788.400	1369.530	1369.530	10	1	58	2	49	7	167	.12	.07	5	7	.07	5	5	.044	2.8	34	.63	2.5	>	5
518	PG518	4788.830	1369.570	1369.570	12	1	55	3	36	6	81	.08	.06	5	2	.06	5	6	.050	1.7	30	.62	2.8	>	7
519	PG519	4788.130	1369.200	1369.200	23	1	182	2	40	38	46	.38	.52	5	4	.28	7	>	.035	5.9	21	.48	1.8	>	30
520	PG520	4788.390	1369.200	1369.200	16	1	70	1	42	7	102	.09	.09	5	3	.05	6	6	.034	7.4	29	.58	2.4	>	9
521	PG521	4788.690	1369.250	1369.250	24	1	73	1	66	10	141	.23	.14	5	6	.09	8	11	.057	3.6	35	.63	3.2	>	15
522	PG522	4788.980	1369.130	1369.130	5	1	49	2	43	6	72	.05	.04	5	3	.06	6	4	.038	2.8	22	.65	3.2	>	13
523	PG523	4789.350	1369.680	1369.680	28	1	51	3	30	4	93	.06	.04	5	2	.05	4	5	.048	5.4	22	.55	2.8	>	9
524	PG524	4789.370	1369.230	1369.230	19	1	69	5	40	6	76	.11	.09	5	4	.06	5	6	.035	3.4	25	.75	3.0	>	18
525	PG525	4790.210	1369.690	1369.690	27	1	62	5	44	7	72	.13	.08	5	2	.05	7	4	.037	3.8	31	.65	2.8	>	10
526	PG526	4790.500	1369.280	1369.280	18	1	121	49	28	8	88	.05	.06	5	3	.05	9	18	.043	5.6	22	.69	2.4	>	30
527	PG527	4791.960	1369.480	1369.480	15	1	97	2	7	5	34	.52	.06	5	1	.04	11	10	.026	7.1	32	.71	2.8	>	47
528	PG528	4791.360	1369.810	1369.810	16	5	121	43	39	8	139	.05	.06	5	1	.06	4	4	.026	1.8	30	.54	2.0	>	5
529	PG529	4791.690	1369.270	1369.270	73	1	108	26	75	9	76	.23	.47	2658	2	.20	37	9	.091	13.8	66	1.52	3.4	>	54
530	PG530	4791.990	1369.860	1369.860	27	1	56	34	22	10	46	.06	.03	67	2	.05	6	7	.040	7.8	19	.72	3.6	>	19
531	PG531	4792.390	1369.820	1369.820	26	1	54	4	30	4	22	.04	.03	67	1	.04	6	3	.032	7.1	20	.67	2.8	>	12
532	PG532	4792.760	1369.700	1369.700	17	1	54	6	42	7	38	.11	.08	5	1	.05	9	2	.034	2.7	27	.62	2.4	>	19
533	PG533	4793.170	1369.380	1369.380	59	1	114	15	48	10	31	.32	.61	641	1	.39	18	2	.116	5.4	109	.54	1.8	>	52
534	PG534	4793.620	1369.570	1369.570	48	1	109	11	79	9	39	.38	.45	565	1	.39	24	6	.128	8.8	114	.46	1.0	>	36
535	PG535	4794.090	1369.660	1369.660	19	2	155	7	30	16	50	.37	.17	10	1	.28	10	15	.284	7.7	117	.37	2.2	>	32
536	PG536	4794.620	1369.730	1369.730	53	1	108	20	70	9	43	.31	.35	407	1	.31	21	2	.152	5.9	99	.54	1.8	>	36
537	PG537	4795.200	1369.580	1369.580	5	1	144	22	101	32	86	.22	.65	654	1	.19	37	4	.037	8.1	52	.61	1.0	>	55
538	PG538	4795.830	1369.570	1369.570	7	1	144	14	26	17	71	.54	.38	258	1	.75	10	4	.040	6.6	191	.38	1.6	>	35
539	PG539	4795.210	1369.120	1369.120	1	1	211	13	47	24	74	.21	.53	60	1	.18	20	2	.116	4.4	46	.75	1.8	>	38
540	PG540	4795.870	1369.170	1369.170	4	1	315	18	24	19	111	.50	.43	536	1	.27	10	2	.050	8.5	71	.52	1.8	>	39
541	PG541	4796.270	1369.690	1369.690	17	1	404	23	21	20	74	.11	.46	830	2	.56	11	5	.037	4.7	99	.40	2.6	>	30
542	PG542	4796.830	1369.410	1369.410	10	1	328	21	26	17	61	.99	.24	761	2	.42	15	5	.037	2.8	136	.65	3.2	>	27
543	PG543	4796.400	1369.180	1369.180	14	1	409	17	23	19	54	.91	.37	266	2	.46	9	2	.042	2.4	42	.53	2.8	>	28
544	PG544	4796.620	1369.690	1369.690	17	1	110	5	36	24	196	.82	.82	5	3	.13	11	2	.059	2.5	42	.54	1.6	>	44
545	PG545	4797.530	1369.340	1369.340	16	1	257	21	21	23	35	.95	.65	773	2	.28	10	5	.051	8.6	69	.60	1.6	>	45
546	PG546	4798.130	1369.790	1369.790	19	2	202	18	39	29	328	.54	.66	236	1	.25	12	2	.060	9.8	95	.55	2.0	>	54
547	PG547	4798.560	1369.870	1369.870	21	1	48	4	21	5	76	.06	.03	5	4	.05	6	16	.077	4.2	35	.59	2.4	>	10
548	PG548	4798.920	1369.820	1369.820	24	1	58	2	37	6	48	.05	.06	93	2	.04	5	5	.044	5.3	34	.67	3.0	>	11
549	PG549	4798.840	1369.490	1369.490	25	1	45	2	37	6	88	.07	.06	5	2	.05	6	5	.036	3.7	21	.63	2.4	>	12
550	PG550	4798.190	1369.170	1369.170	9	1	397	23	34	30	92	.65	.68	936	1	.50	13	2	.059	11.1	122	.60	2.2	>	47

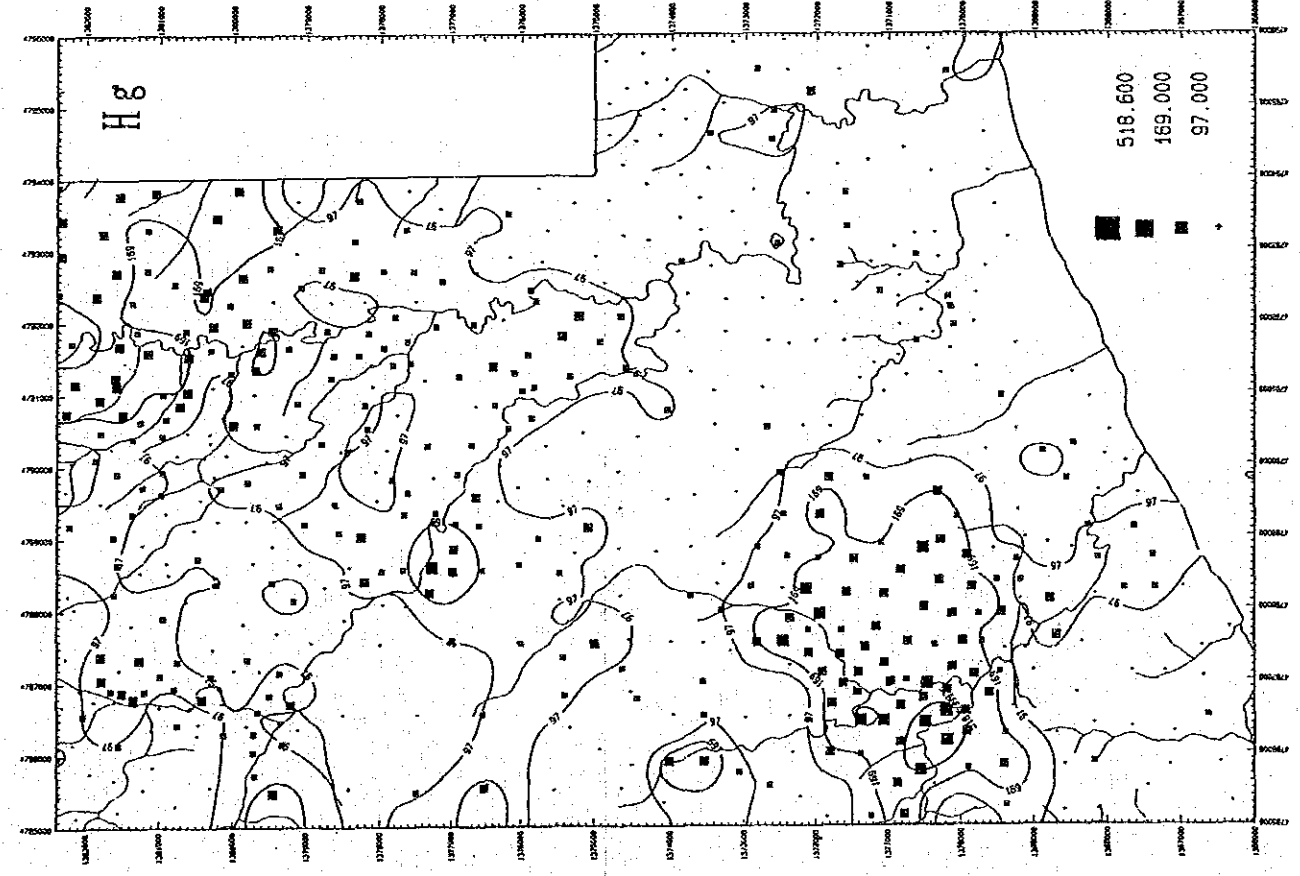
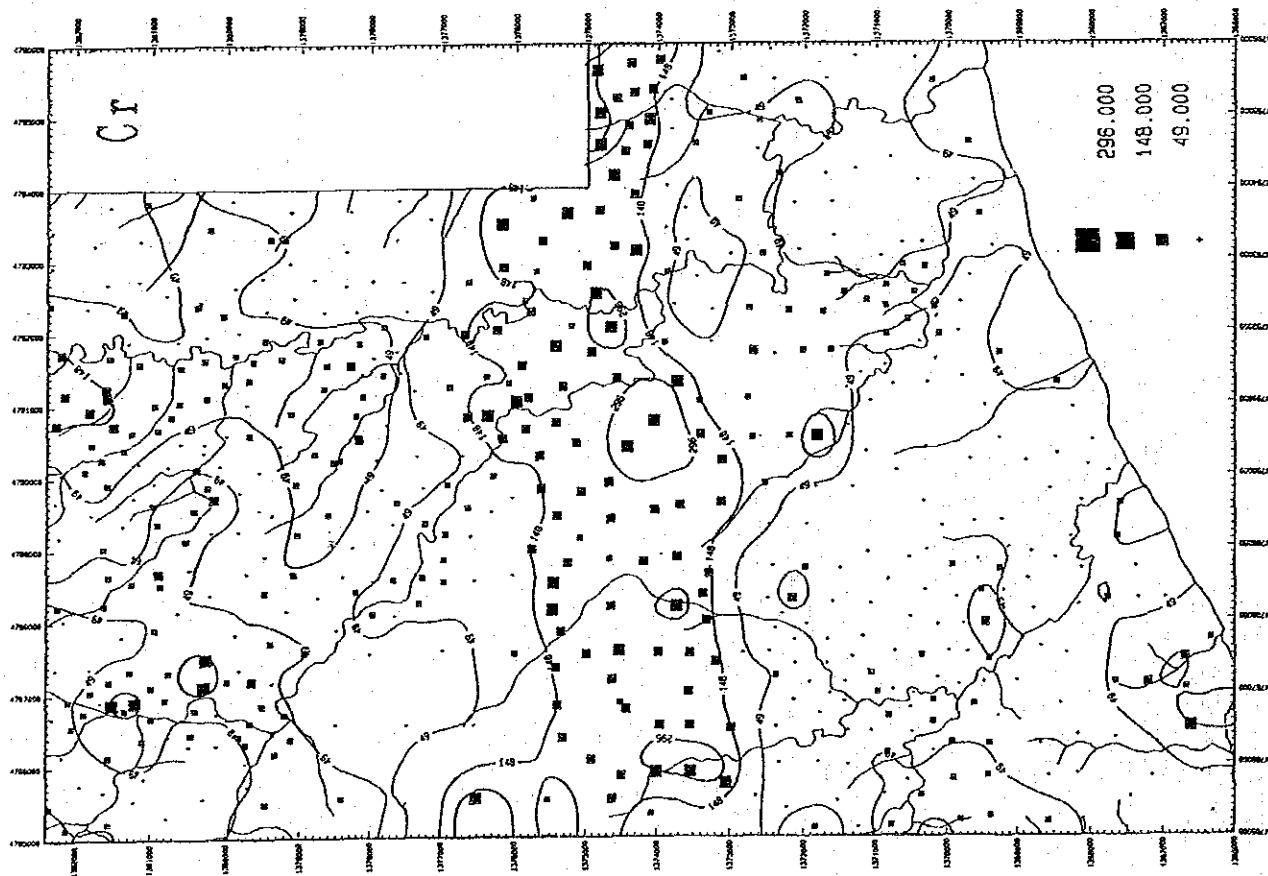
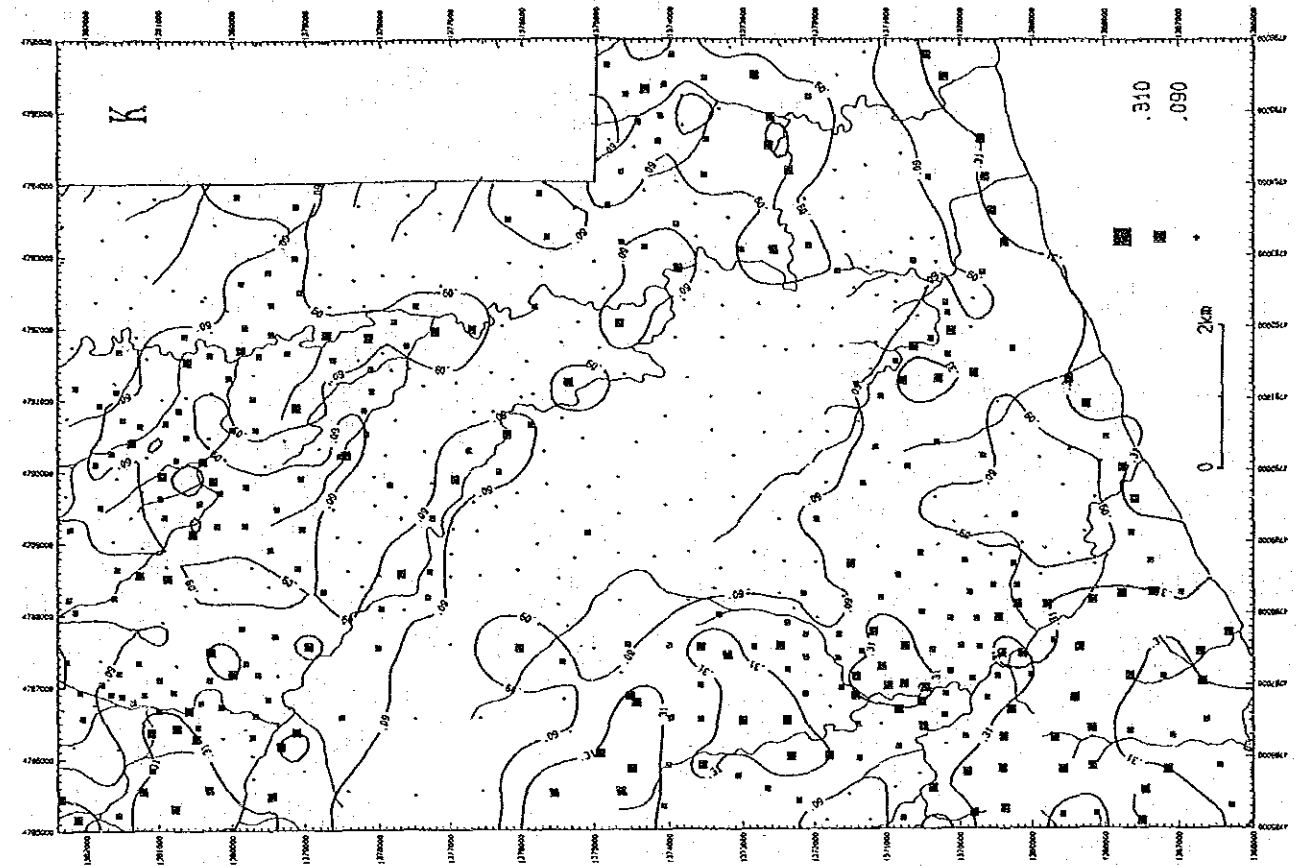
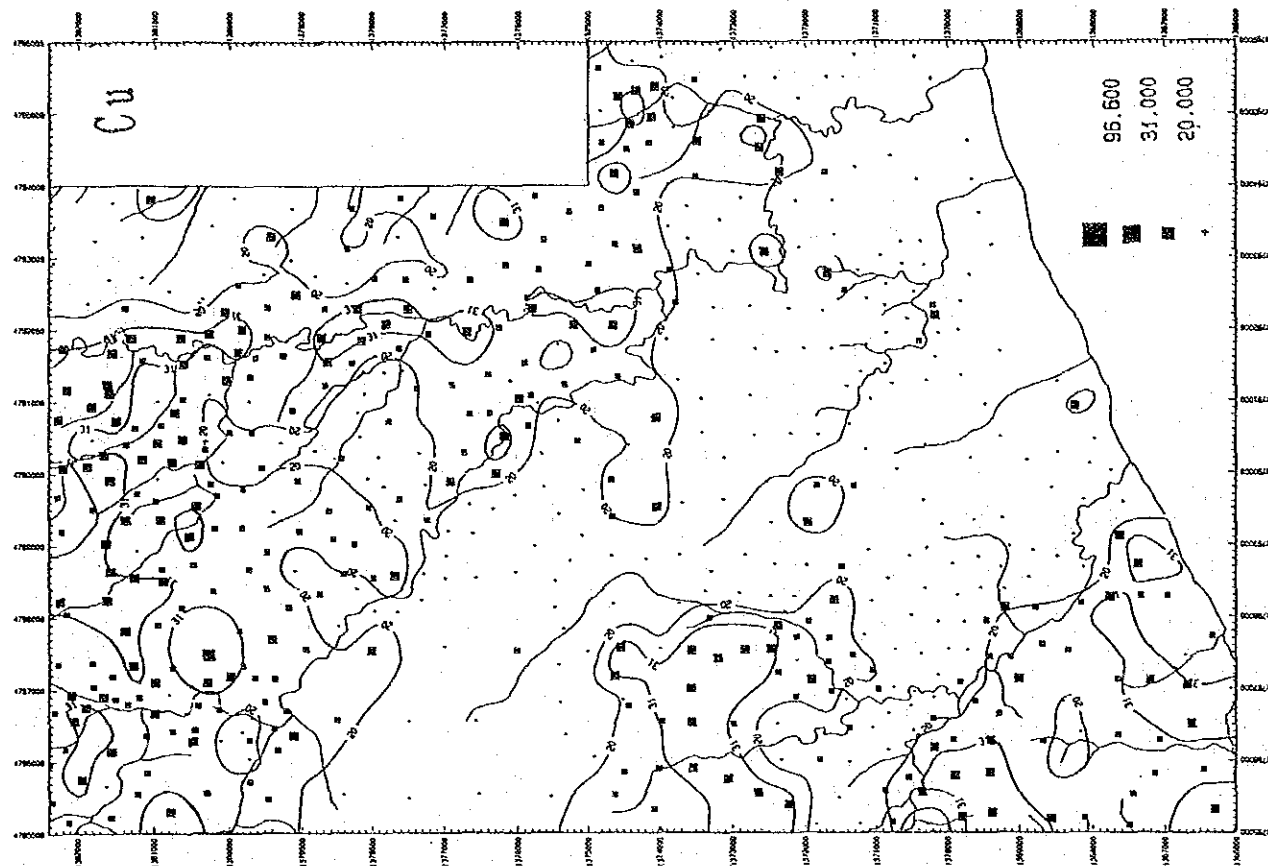
List of Geochemical Analysis (12)

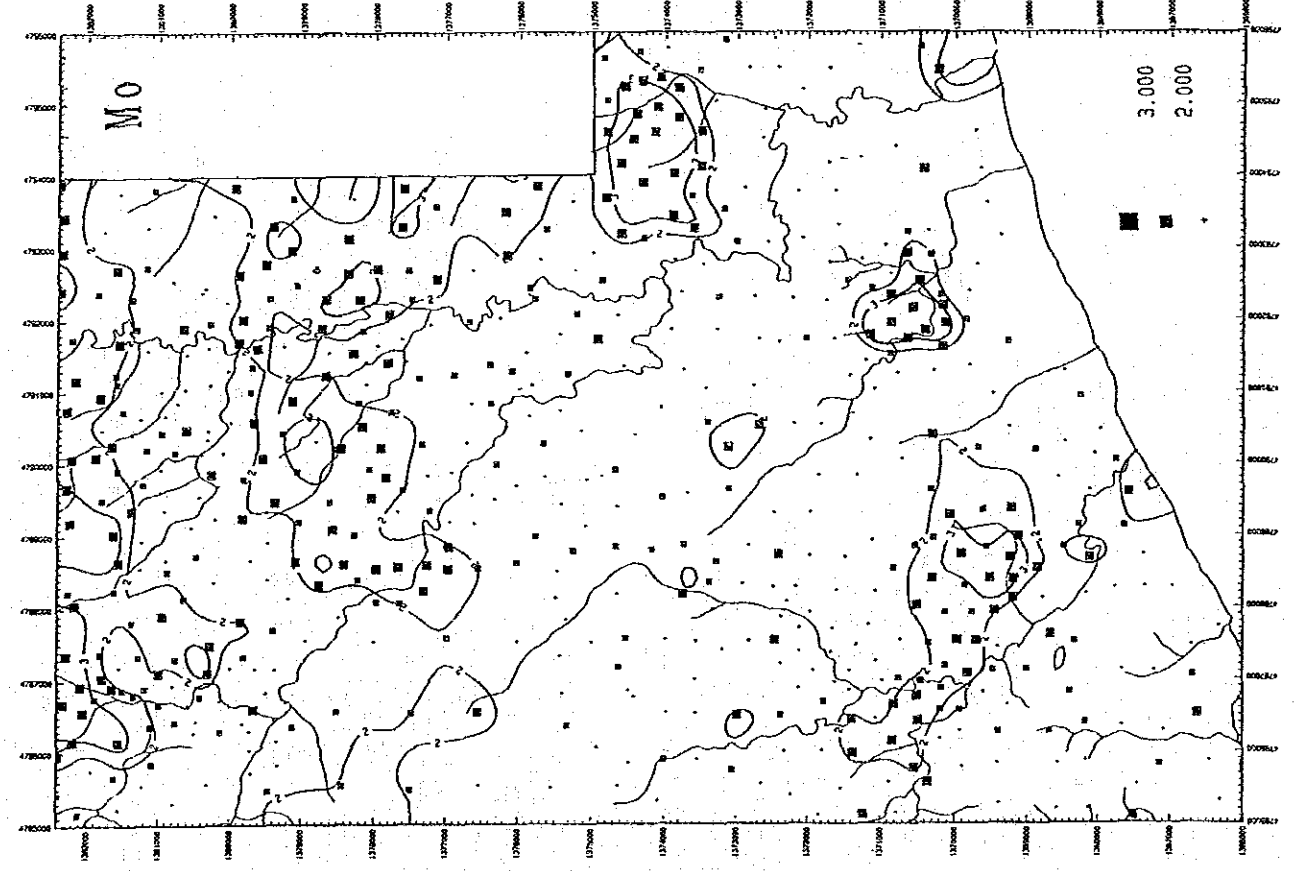
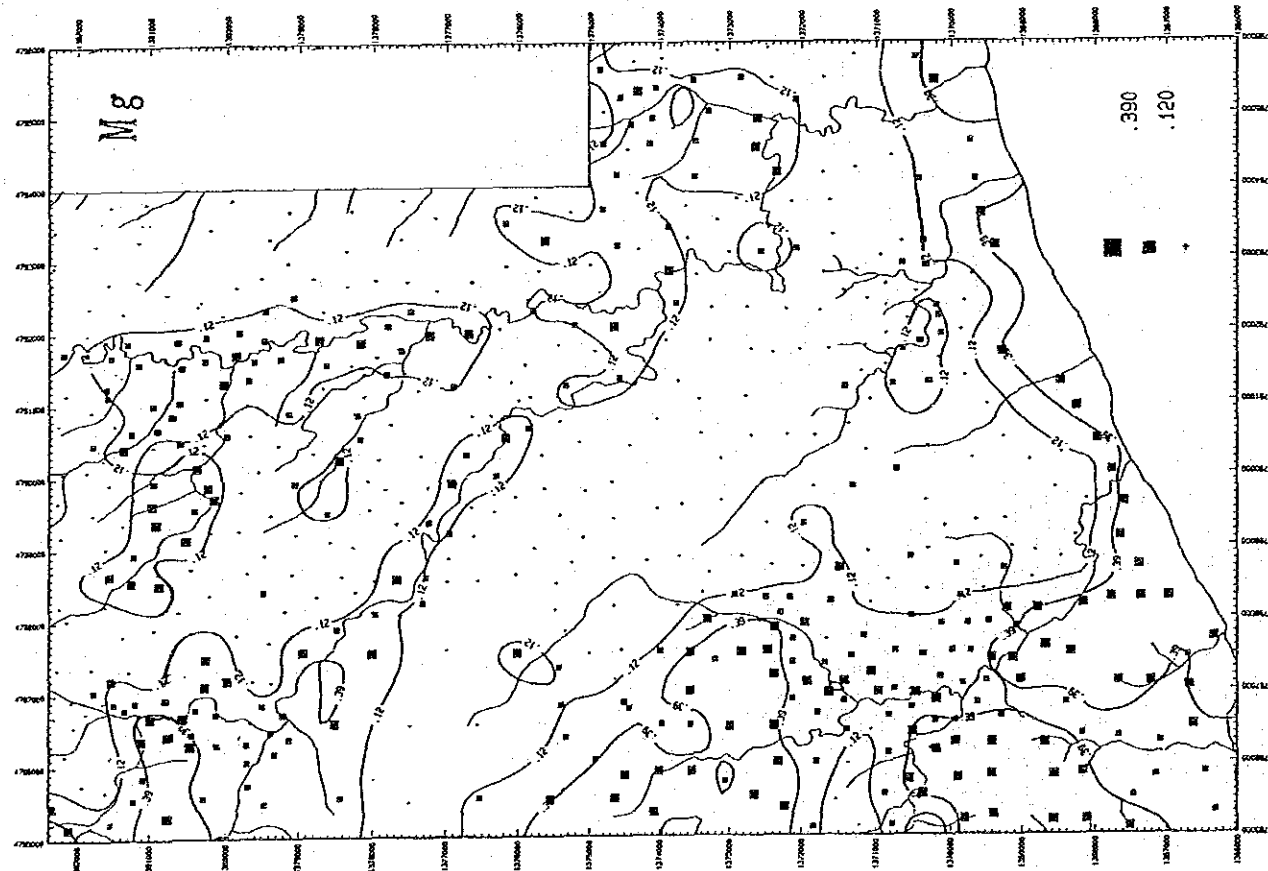
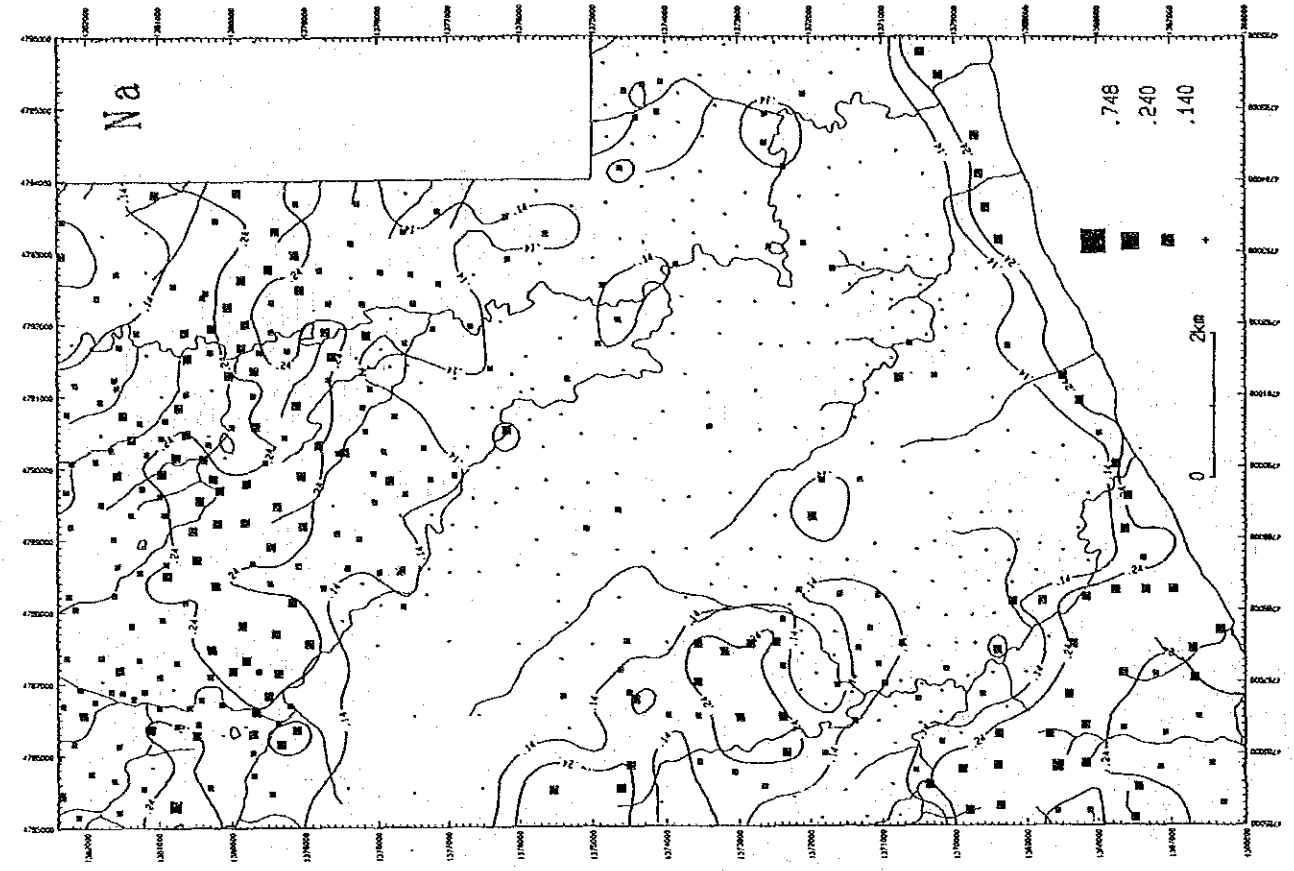
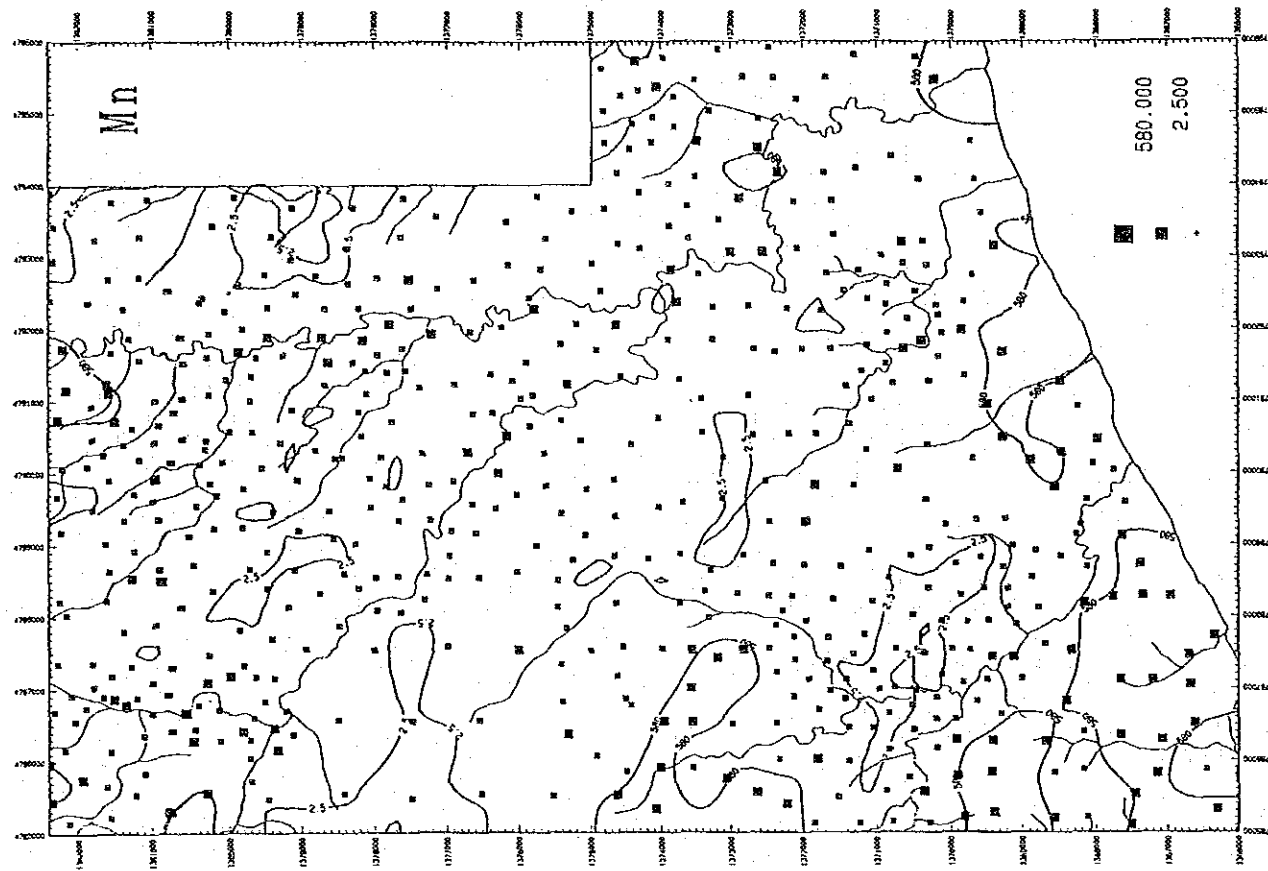
Ser. No.	Sample No.	Location (km)	As	Au	Ba	Co	Cr	Cu	Hg	K	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Sr	Ti	U	W	Zn
		X-coord	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
551	PG551	4788.690	1368.130	1	56	2	48	7	131	.07	.06	5	4	.05	5	8	.035	4.2	23	.58	3.0	3	10
552	PG552	4789.280	1368.220	1	38	2	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	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	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	9	50	5	28	7	74	.06	.06	102	1	.04	7	5	.041	8.1	21	.70	2.2	2	18
555	PG556	4790.180	1368.900	1	60	57	23	7	139	.05	.06	1637	2	.04	11	11	.049	6.9	22	.61	2.2	2	22
557	PG557	4790.290	1368.480	1	63	22	41	8	99	.07	.09	1158	1	.05	11	11	.054	5.8	33	.63	2.6	2	55
558	PG558	4790.930	1368.260	1	278	16	48	33	10	.60	.55	5	2	.28	33	2	.046	1.7	25	.45	5.2	2	66
559	PG559	4791.280	1368.490	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	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	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	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	127	36	31	23	76	.13	.22	1413	1	.15	13	3	.035	7.0	22	1.02	1.6	2	48
564	PG564	4786.290	1367.080	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	278	32	56	30	77	.52	1.09	1620	1	.47	18	2	.095	12.8	102	.86	1.6	2	73
565	PG566	4787.120	1367.210	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	1	251	41	65	43	137	.56	.82	1231	1	.40	21	2	.052	2.9	79	.77	1.6	2	59
568	PG568	4788.290	1367.350	1	402	32	27	29	113	.36	.78	1377	1	.69	21	4	.067	5.9	124	.53	1.2	2	54
569	PG569	4788.730	1367.390	3	254	75	41	33	111	.10	.50	4332	2	.14	17	23	.043	4.9	29	1.09	2.2	2	56
570	PG570	4789.130	1367.640	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	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	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	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	1	143	12	34	8	38	.37	.46	41	2	.33	12	3	.079	5.4	90	.68	1.6	2	40
575	PG575	4785.320	1366.300	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	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	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	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	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	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	1	320	34	44	30	94	.29	.89	1168	1	.50	28	2	.051	4.3	96	.64	1.0	2	57

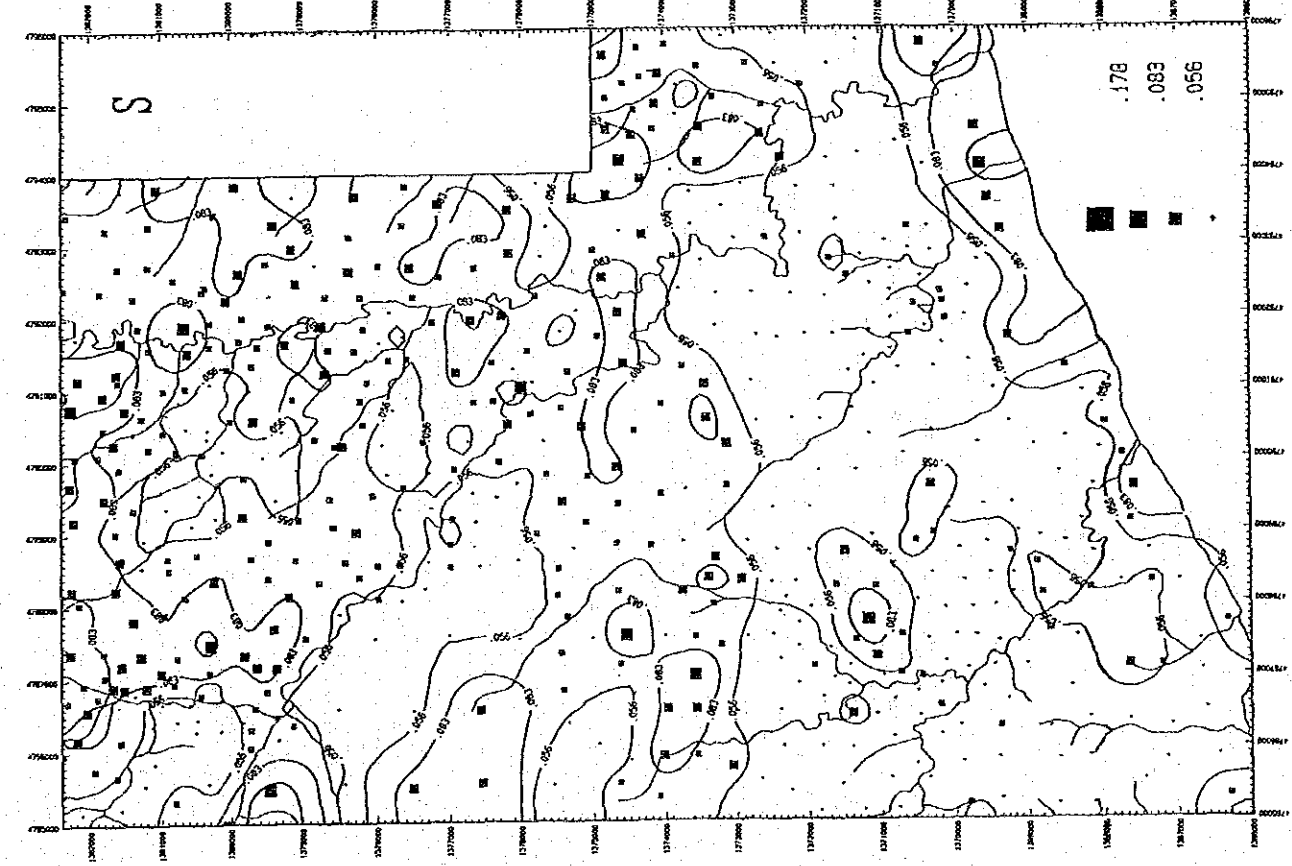
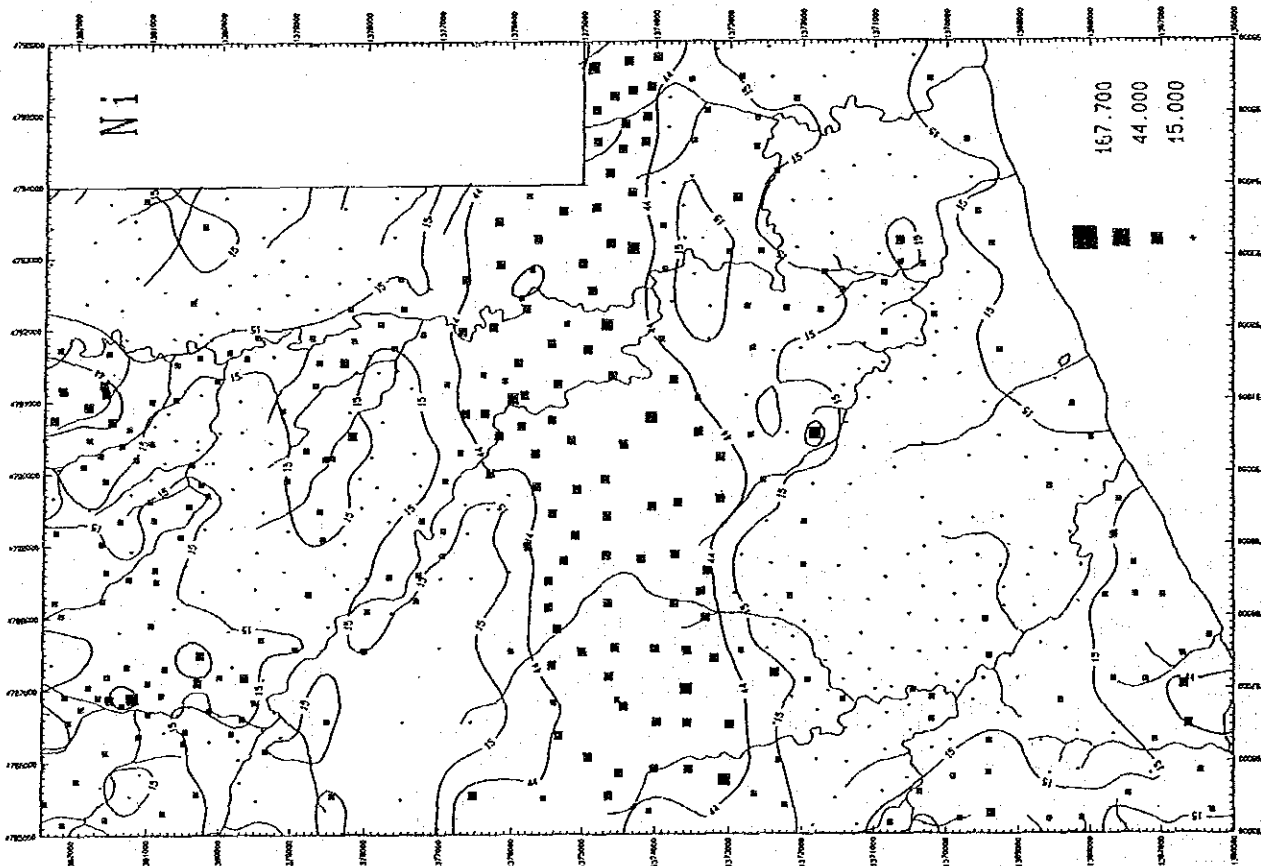
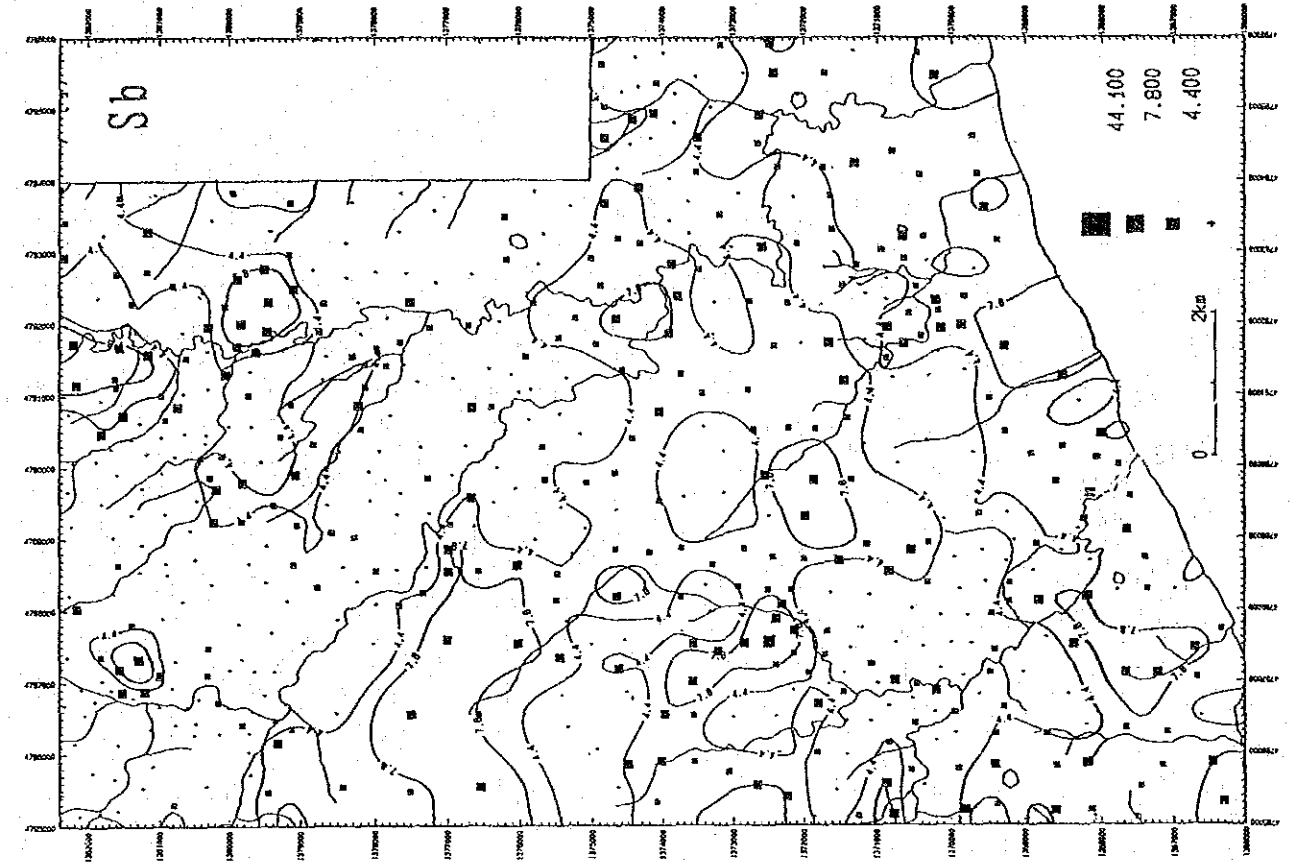
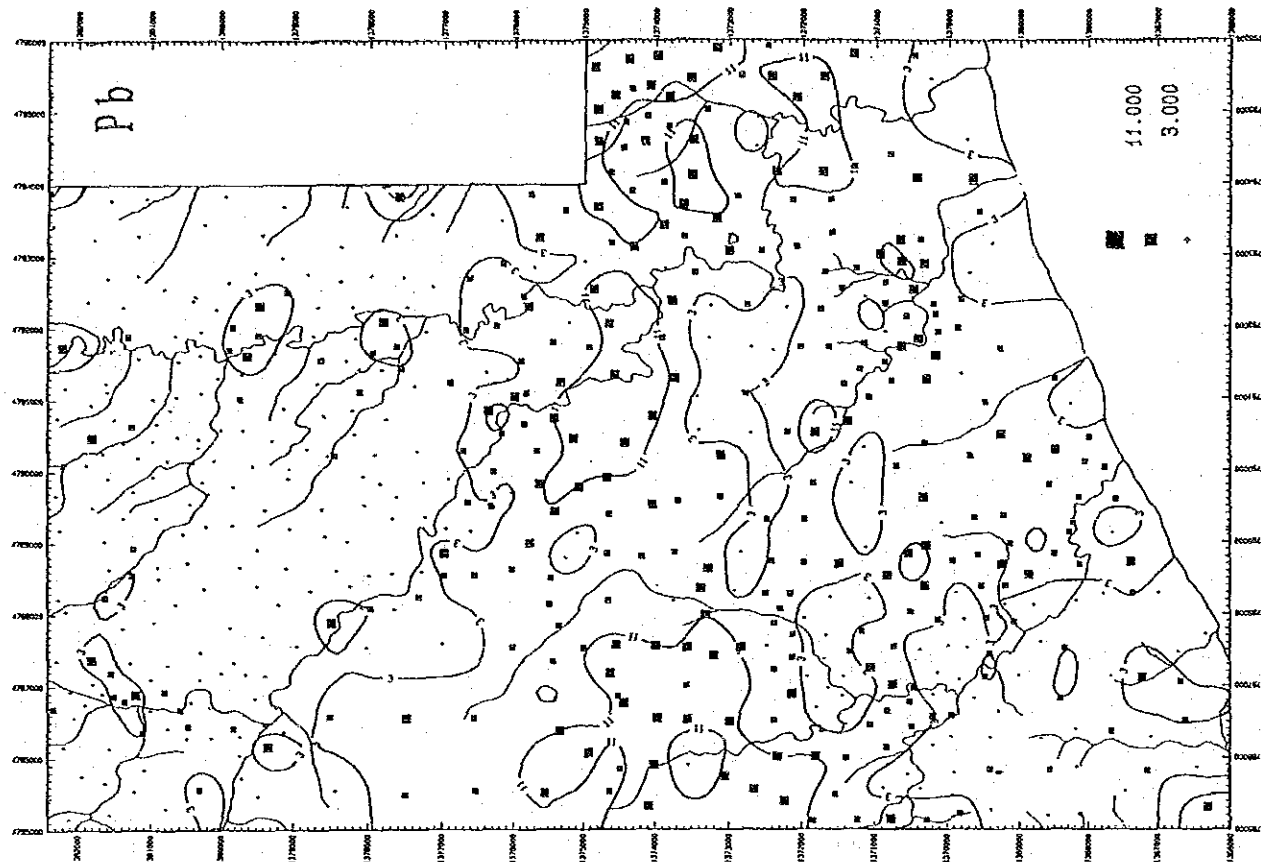
Appendix 41

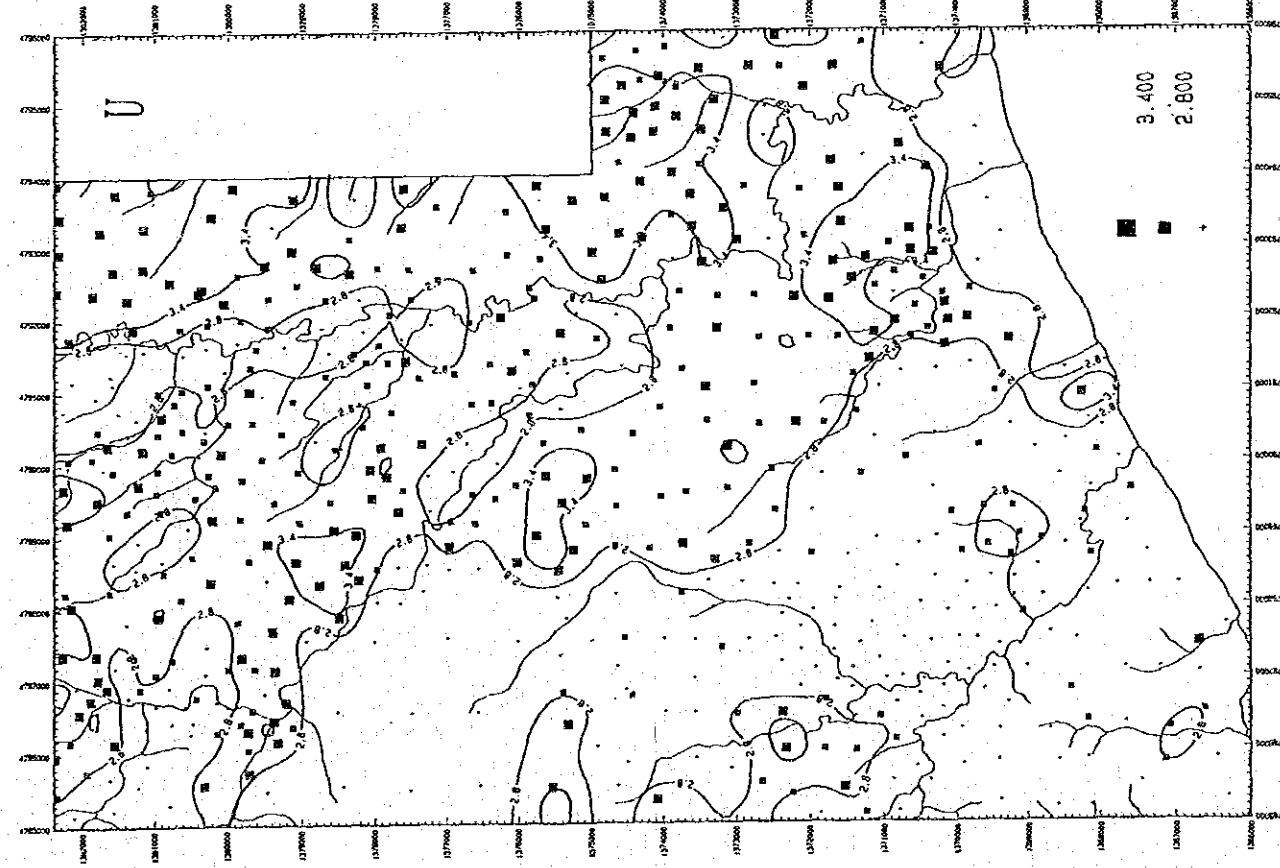
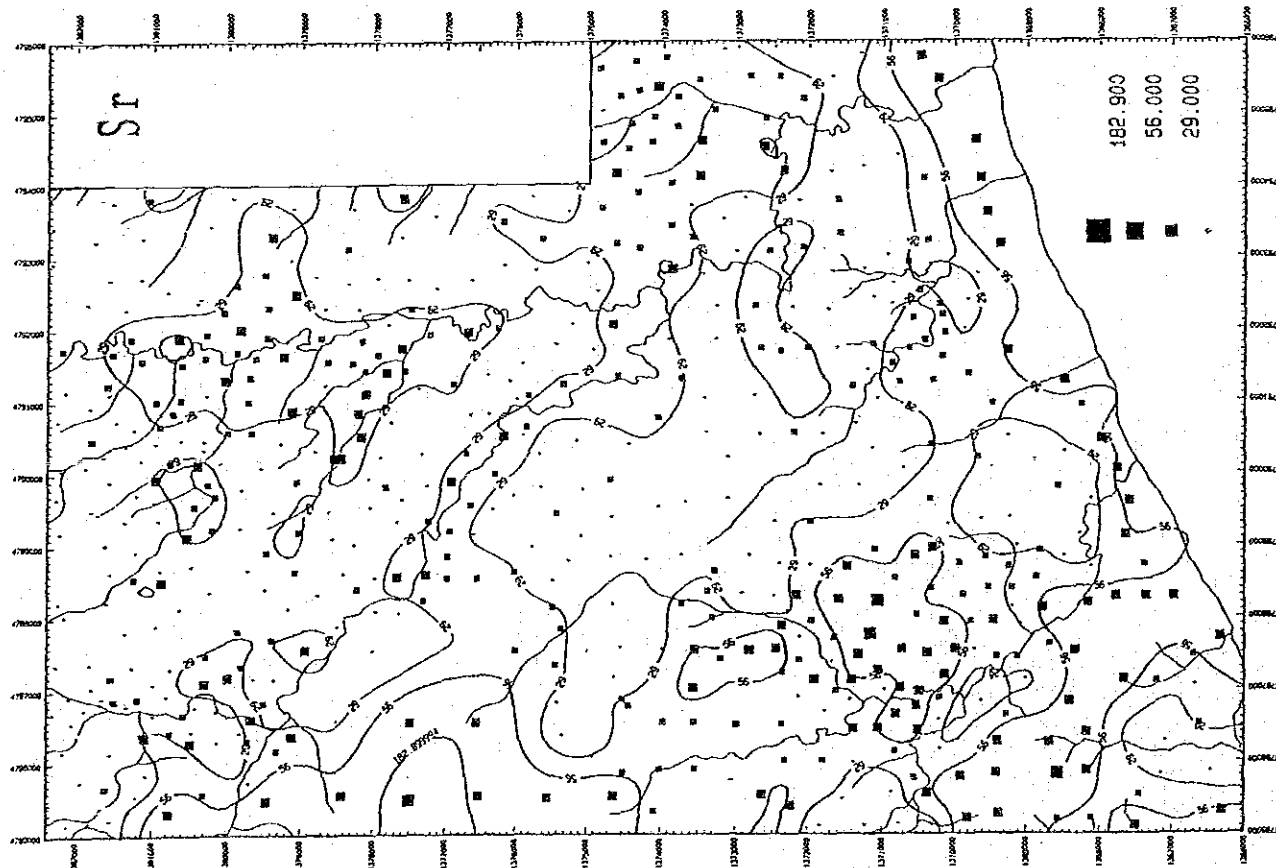
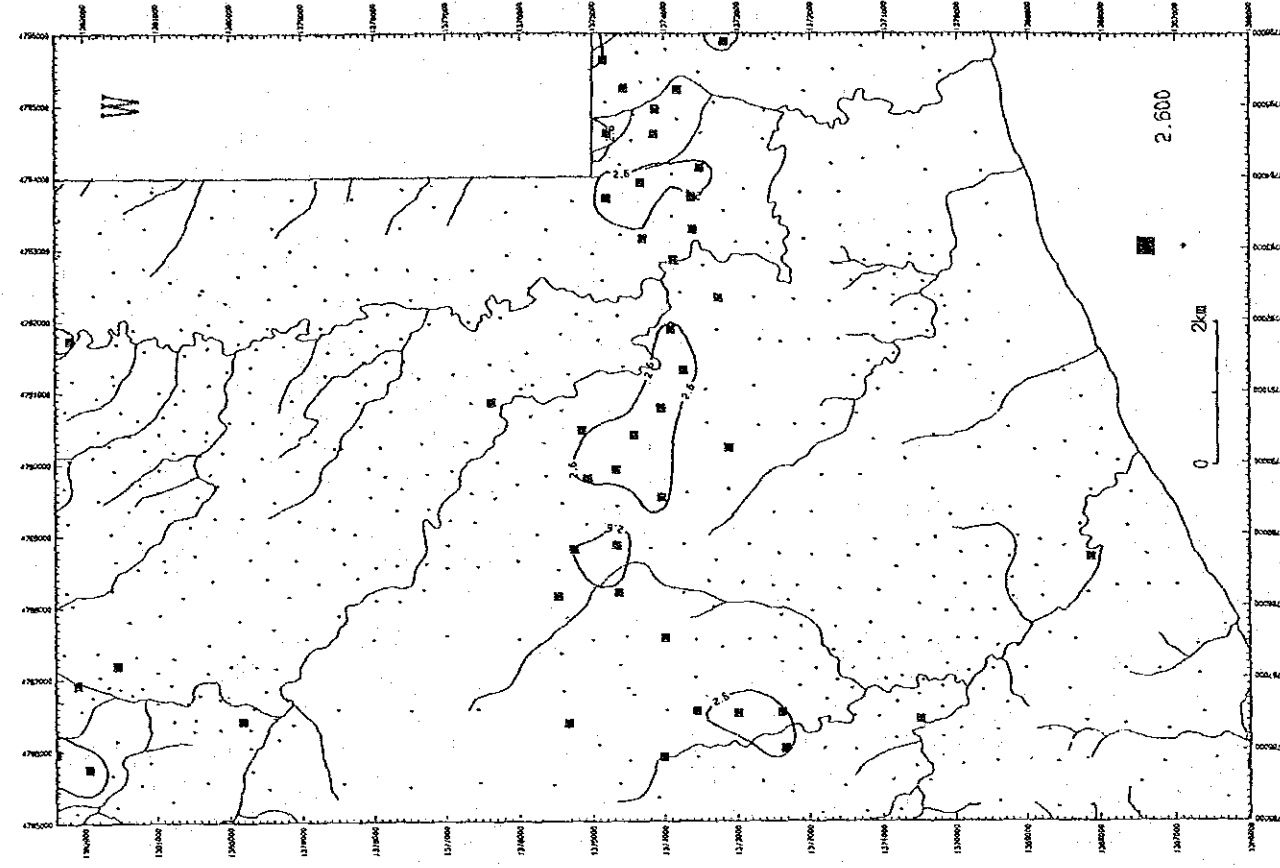
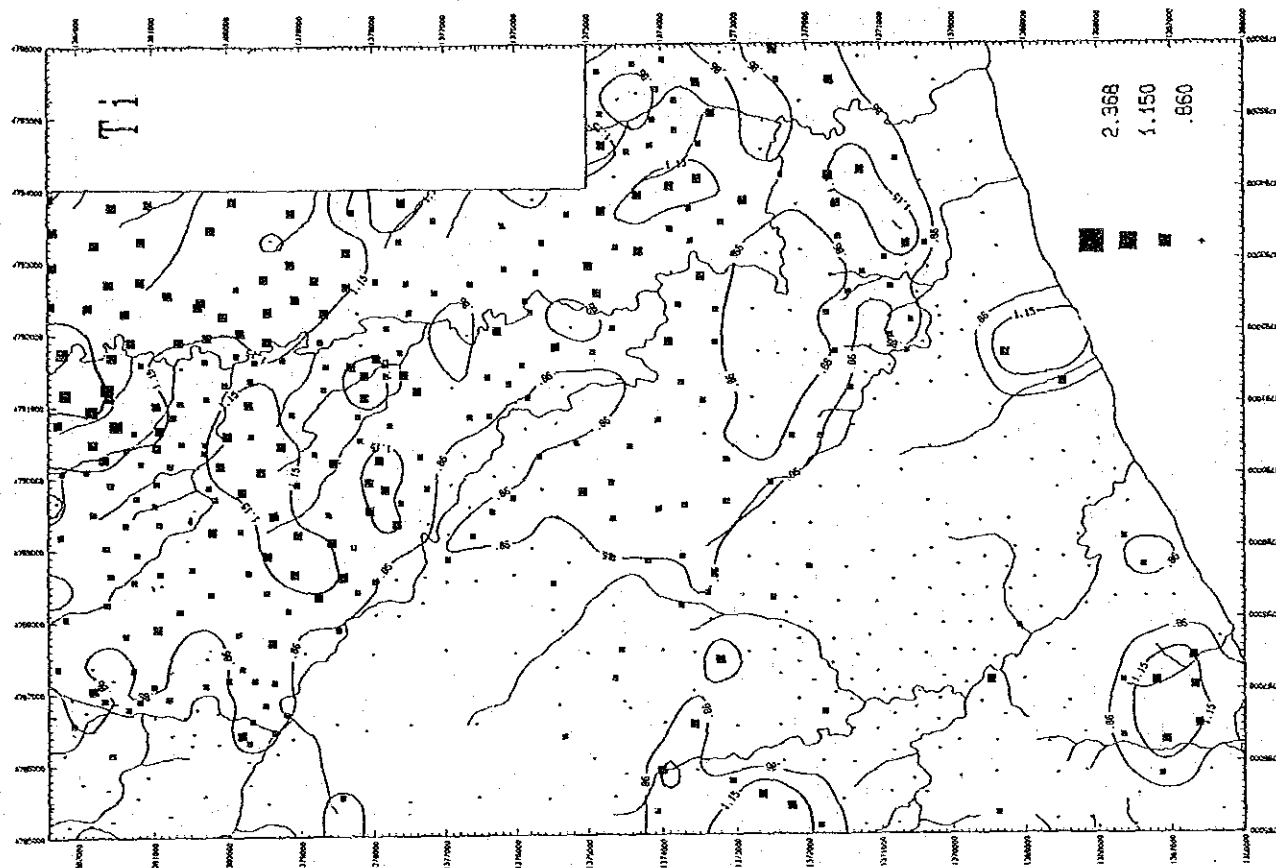
Distribution map of elements
in Area G

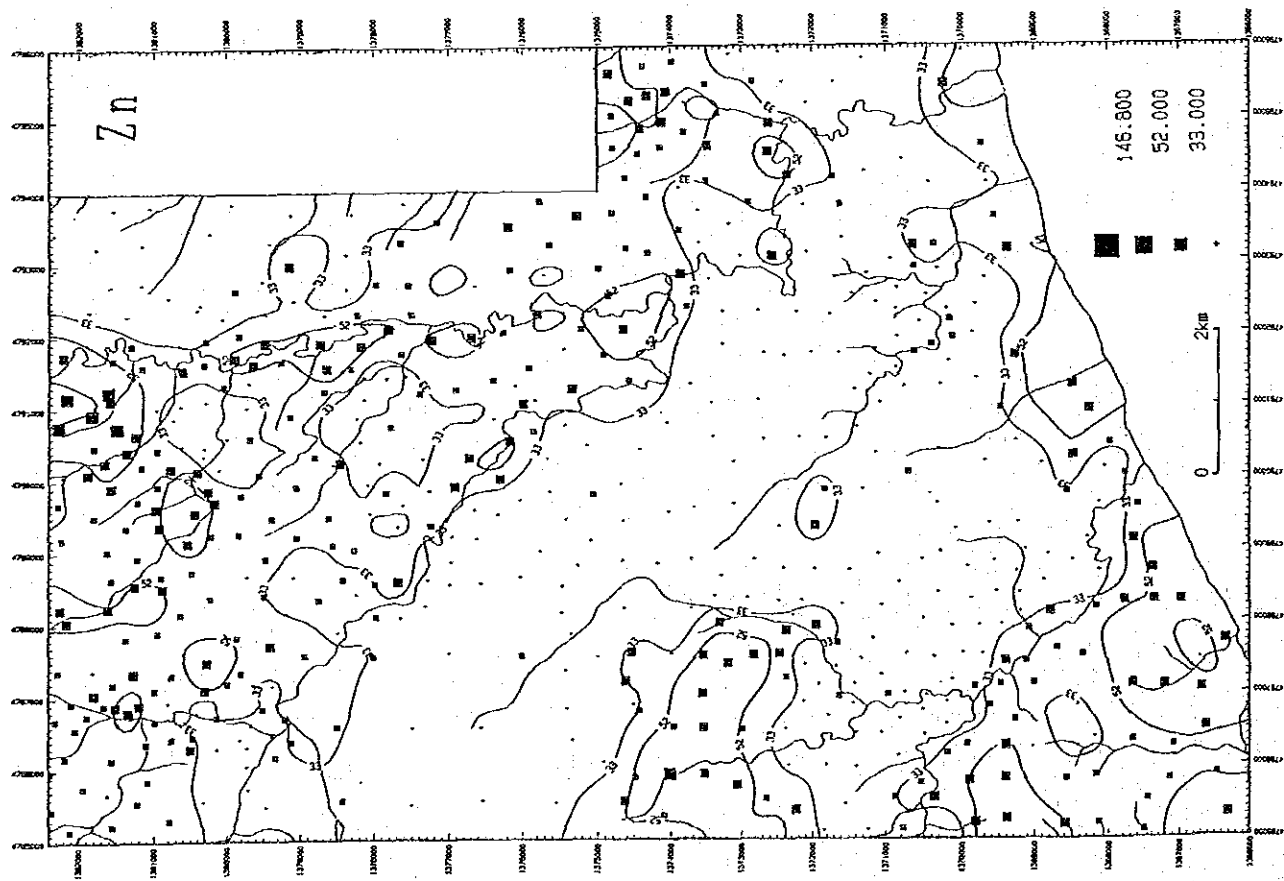












Appendix 42

List of soil geochemical samples
in Area H

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegetation
		N	E										
1	PH001	1403.68	4820.42	P. Timbun Mata	—	P ₄ Kg	40	L.B.	R	C	M	W	Cocoa plantation
2	PH002	1403.46	4820.98	P. Timbun Mata	—	P ₄ Kg	40	L.B.	R	C	M	W	Cocoa plantation
3	PH003	1403.13	4820.68	P. Timbun Mata	—	P ₄ Kg	30	L.B.	R	C	F	W	Cocoa plantation
4	PH004	1403.42	4820.07	P. Timbun Mata	—	P ₄ Kg	45	L.B.	R	C	M	W	Cocoa plantation
5	PH005	1403.66	4821.43	P. Timbun Mata	—	P ₄ Kg	40	L.B.	R	C	M	W	Cocoa plantation
6	PH006	1403.13	4821.36	P. Timbun Mata	—	P ₄ Kg	45	L.B.	R	C	M	W	Oil palm plant.
7	PH007	1403.70	4821.82	P. Timbun Mata	—	P ₄ Kg	40	L.B.	R	C	M	W	Cocoa plantation
8	PH008	1403.08	4821.81	P. Timbun Mata	—	P ₄ Kg	45	L.B.	R	C	M	W	Cocoa plantation
9	PH009	1403.40	4822.07	P. Timbun Mata	—	P ₄ Kg	40	L.B.	R	C	M	W	Oil palm plant.
10	PH010	1403.12	4822.38	P. Timbun Mata	—	P ₄ Kg	40	L.B.	R	C	M	W	Oil palm plant.
11	PH011	1403.63	4822.83	P. Timbun Mata	—	P ₄ Kg	40	Y.B.	R	C	F	D	Oil palm plant.
12	PH012	1403.25	4822.87	P. Timbun Mata	—	P ₄ Kg	40	Y.B.	R	C	F	W	Cocoa plantation
13	PH013	1403.62	4823.27	P. Timbun Mata	—	P ₄ Kg	40	Y.B.	R	C	F	D	Oil palm plant.
14	PH014	1403.63	4823.72	P. Timbun Mata	—	P ₄ Kg	40	Y.B.	R	C	F	D	Oil palm plant.
15	PH015	1403.21	4823.17	P. Timbun Mata	—	P ₄ Kg	40	Y.B.	R	C	F	D	Oil palm plant.
16	PH016	1403.17	4823.74	P. Timbun Mata	—	P ₄ Kg	40	Y.B.	R	C	F	D	Oil palm plant.
17	PH017	1403.73	4824.25	P. Timbun Mata	—	P ₄ Kg	40	D.B.	R	C	M	W	None vegetation
18	PH018	1403.73	4824.67	P. Timbun Mata	—	P ₄ Kg	40	L.B.	R	C	F	W	None vegetation
19	PH019	1403.18	4824.27	P. Timbun Mata	—	P ₄ Kg	40	B.	R	C	F	W	None vegetation
20	PH020	1403.18	4824.78	P. Timbun Mata	—	P ₄ Kg	40	Y.B.	R	C	F	W	None vegetation
21	PH021	1403.73	4825.22	P. Timbun Mata	—	P ₄ Kg	40	B.	R	C	F	W	Bush
22	PH022	1403.72	4825.72	P. Timbun Mata	—	P ₄ Kg	40	Y.B.	R	C	F	W	Bush
23	PH023	1403.18	4825.19	P. Timbun Mata	—	P ₄ Kg	40	B.	R	C	M	W	Secondary forest
24	PH024	1403.19	4825.63	P. Timbun Mata	—	P ₄ Kg	40	B.	R	C	M	W	Secondary forest
25	PH025	1403.63	4826.32	P. Timbun Mata	—	P ₄ Kg	40	B.	R	C	F	W	Secondary forest
26	PH026	1403.67	4826.73	P. Timbun Mata	—	P ₄ Kg	40	B.	R	C	F	W	Secondary forest
27	PH027	1403.08	4826.23	P. Timbun Mata	—	Csch	40	Y.B.	R	C	F	W	Secondary forest
28	PH028	1403.08	4826.70	P. Timbun Mata	—	P ₄ Kg	40	B.	R	C	F	W	Secondary forest
29	PH029	1402.78	4820.15	P. Timbun Mata	—	P ₄ Kg	45	L.B.	R	C	F	W	Oil palm plant.
30	PH030	1402.88	4820.83	P. Timbun Mata	—	P ₄ Kg	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)

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

*1Gravel: Many (M), Few (F), Rare or none (R)

*2Topography: Steep (S), Moderate (M), Flat (F)

*3Grain size: Sandy (S), Clayey (C)

*4Humidity: Dry (D), Wet (W)

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

*1Gravel: Many (M), Few (F), Rare or none (R)

*2Topography: Steep (S), Moderate (M), Flat (F)

*3Grain size: Sandy (S), Clayey (C)

*4Humidity: Dry (D), Wet (W)

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

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

*1Gravel: Many (M), Few (F), Rare or none (R)

*2Topography: Steep (S), Moderate (M), Flat (F)

*3Grain size: Sandy (S), Clayey (C)

*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates N E	L/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. *1	S. *2	T. *3	H. *4	Vegetation
151	PH151	1398.85	4822.87	—	P ₄ Kg	40	Y.B.	R	C	F	W	Oil palm plant.
152	PH152	1398.20	4822.82	—	P ₄ Kg	50	Y.B.	R	C	F	D	Cocoa plantation
153	PH153	1398.85	4823.25	—	P ₄ Kg	40	Y.B.	R	C	F	W	Oil palm plant.
154	PH154	1398.93	4823.83	—	P ₄ Kg	50	Y.B.	R	C	F	W	Bush
155	PH155	1398.22	4823.15	—	P ₄ Kg	40	Y.B.	R	C	F	W	Oil palm plant.
156	PH156	1398.23	4823.73	—	P ₄ Kg	40	D.B.	R	C	F	D	Cocoa plantation
157	PH157	1398.55	4824.92	—	P ₄ Kg	40	B.	R	C	F	W	Secondary forest
158	PH158	1398.57	4824.11	—	P ₄ Kg	40	R.B.	R	S	F	W	Bush
159	PH159	1398.12	4824.68	—	P ₄ Kg	40	D.B.	R	S	F	W	Cocoa plantation
160	PH160	1398.17	4824.19	—	P ₄ Kg	40	R.B.	R	S	F	W	Cocoa plantation
161	PH161	1398.23	4825.81	—	P ₄ Kg	40	Y.B.	R	S	F	W	Bush
162	PH162	1398.73	4825.82	—	P ₄ Kg	40	R.B.	R	C	F	W	Bush
163	PH163	1398.28	4825.28	—	P ₄ Kg	40	Y.	R	C	F	W	Bush
164	PH164	1398.63	4825.18	—	P ₄ Kg	40	R.B.	R	C	F	W	Bush
165	PH165	1398.38	4826.53	—	P ₄ Kg	40	Y.B.	R	S	F	W	Bush
166	PH166	1398.58	4826.85	—	P ₄ Kg	40	Y.B.	R	S	F	W	Bush
167	PH167	1398.71	4826.25	—	P ₄ Kg	40	Y.B.	R	S	F	W	Bush
168	PH168	1398.17	4826.17	—	P ₄ Kg	40	Y.	R	S	F	W	Bush
169	PH169	1397.07	4820.64	—	P ₄ Kg	40	Y.B.	R	C	F	W	Cocoa plantation
170	PH170	1397.28	4820.18	—	P ₄ Kg	40	Y.B.	R	C	F	W	None vegetation
171	PH171	1397.72	4820.25	—	P ₄ Kg	40	Y.B.	R	S	M	W	None vegetation
172	PH172	1397.79	4820.84	—	P ₄ Kg	40	Y.B.	R	S	M	W	Secondary forest
173	PH173	1397.05	4821.25	—	P ₄ Kg	40	Y.B.	R	C	F	W	Oil palm plant.
174	PH174	1397.78	4821.22	—	P ₄ Kg	40	Y.B.	R	C	F	W	Bush
175	PH175	1397.72	4821.73	—	P ₄ Kg	40	L.B.	R	C	F	W	Bush
176	PH176	1397.18	4821.68	—	P ₄ Kg	40	Y.B.	R	C	M	W	Oil palm plant.
177	PH177	1397.17	4822.37	—	P ₄ Kg	40	Y.B.	R	C	M	W	Oil palm plant.
178	PH178	1397.82	4822.27	—	P ₄ Kg	40	Y.B.	R	C	M	W	Oil palm plant.
179	PH179	1397.57	4822.85	—	P ₄ Kg	40	B.	R	C	F	W	Cocoa plantation
180	PH180	1397.28	4822.75	—	P ₄ Kg	40	B.	R	C	F	W	Oil palm plant.

*1Gravel: Many (M), Few (F), Rare or none (R)

*2Topography: Steep (S), Moderate (M), Flat (F)

*3Grain size: Sandy (S), Clayey (C)

*4Humidity: Dry (D), Wet (W)

Ser. No.	Sample No.	Coordinates N E	1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. #1	S. #2	T. #3	H. #4	Vegetation
181	PH181	1397.90	P. Timbun Mata	—	P.Kg	40	B.	R	C	F	W	Cocoa plantation
182	PH182	1397.74	P. Timbun Mata	—	P.Kg	40	B.	R	C	F	W	Cocoa plantation
183	PH183	1397.31	P. Timbun Mata	—	P.Kg	40	Y.	R	S	F	W	Cocoa plantation
184	PH184	1397.37	P. Timbun Mata	—	P.Kg	40	Y.B.	R	S	M	W	Bush
185	PH185	1397.23	P. Timbun Mata	—	P.Kg	40	Y.	R	C	F	W	Cocoa plantation
186	PH186	1397.68	P. Timbun Mata	—	P.Kg	40	Y.B.	R	C	F	W	Cocoa plantation
187	PH187	1397.82	P. Timbun Mata	—	P.Kg	40	B.	R	C	F	W	Oil palm plant.
188	PH188	1397.17	P. Timbun Mata	—	P.Kg	40	B.	R	C	M	W	Cocoa plantation
189	PH189	1397.32	P. Timbun Mata	—	P.Kg	40	Y.B.	R	C	F	W	Oil palm plant.
190	PH190	1397.80	P. Timbun Mata	—	P.Kg	40	R.B.	R	C	F	W	Oil palm plant.
191	PH191	1397.69	P. Timbun Mata	—	P.Kg	40	L.B.	R	C	F	W	Oil palm plant.
192	PH192	1397.17	P. Timbun Mata	—	P.Kg	40	L.B.	R	C	F	W	Oil palm plant.
193	PH193	1397.27	P. Timbun Mata	—	P.Kg	40	D.B.	R	S	F	W	Oil palm plant.
194	PH194	1397.85	P. Timbun Mata	—	P.Kg	40	D.B.	R	C	F	W	Oil palm plant.
195	PH195	1397.53	P. Timbun Mata	—	P.Kg	40	D.B.	R	C	F	W	Oil palm plant.
196	PH196	1397.23	P. Timbun Mata	—	An.	40	D.B.	R	C	F	W	Oil palm plant.
197	PH197	1396.78	P. Timbun Mata	—	An.	40	D.B.	R	C	M	W	Cocoa plantation
198	PH198	1396.73	P. Timbun Mata	andesite	An.	40	B.	F	C	M	W	Cocoa plantation
199	PH199	1396.23	Kalumpang	andesite	An.	40	Y.B.	F	C	M	W	Cocoa plantation
200	PH200	1396.22	Kalumpang	—	P.Kg	40	Y.B.	R	C	M	W	Cocoa plantation
201	PH201	1396.55	Kalumpang	—	P.Kg	40	Y.B.	R	C	M	D	Cocoa plantation
202	PH202	1396.77	P. Timbun Mata	—	P.Kg	30	Y.B.	R	C	F	W	Oil palm plant.
203	PH203	1396.06	Kalumpang	—	P.Kg	40	Y.B.	R	C	F	D	Oil palm plant.
204	PH204	1396.19	Kalumpang	—	P.Kg	40	Y.B.	R	C	F	D	Oil palm plant.
205	PH205	1396.27	Kalumpang	—	P.Kg	40	D.B.	R	S	F	W	Oil palm plant.
206	PH206	1396.25	Kalumpang	—	P.Kg	40	Y.B.	R	S	F	W	Oil palm plant.
207	PH207	1396.73	P. Timbun Mata	—	P.Kg	40	Y.B.	R	S	F	W	Oil palm plant.
208	PH208	1396.71	P. Timbun Mata	—	P.Kg	40	Y.B.	R	S	F	W	Oil palm plant.
209	PH209	1396.78	P. Timbun Mata	—	P.Kg	40	Y.B.	R	S	F	W	Oil palm plant.
210	PH210	1396.77	P. Timbun Mata	—	P.Kg	40	R.B.	R	S	M	W	Oil palm plant.

*1Gravel: Many (M), Few (F), Rare or none (R)

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

**2Grain size: Sandy (S), Clayey (C)

**4Humidity: Dry (D), Wet (W)

Area: Sungai Sipit Area (Area H)

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. #1	S. #2	T. #3	H. #4	Vegetation
		N	E										
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 ₄ Kg	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 ₄ Kg	40	Y.B.	R	C	F	W	Oil palm plant.
219	PH219	1396.88	4825.23	P. Timbun Mata	—	P ₄ Kg	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 ₄ Kg	40	Y.B.	R	C	F	W	Oil palm plant.
225	PH225	1395.73	4820.18	Kalumpang	—	P ₄ Kg	40	Y.B.	R	C	F	D	Cocoa plantation
226	PH226	1395.84	4820.82	Kalumpang	—	P ₄ Kg	40	Y.B.	R	C	F	D	Cocoa plantation
227	PH227	1395.25	4820.18	Kalumpang	—	P ₄ Kg	40	Y.B.	R	C	F	D	Cocoa plantation
228	PH228	1395.12	4820.77	Kalumpang	—	P ₄ Kg	40	Y.B.	R	C	F	D	Cocoa plantation
229	PH229	1395.78	4821.33	Kalumpang	—	P ₄ Kg	40	Y.B.	R	C	F	D	Cocoa plantation
230	PH230	1395.23	4821.27	Kalumpang	andesite	An ₁	40	D.B.	R	C	M	D	Cocoa plantation
231	PH231	1395.87	4821.92	Kalumpang	—	P ₄ Kg	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 ₄ Kg	40	Y.B.	R	C	F	D	Oil palm plant.
235	PH235	1395.28	4822.28	Kalumpang	—	P ₄ Kg	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 ₄ Kg	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		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. #1	S. #2	T. #3	H. #4	Vegetation
		N	E										
241	PH241	1395.13	4824.87	Kalumpang	—	An:	40	R.B.	R	C	F	W	Oil palm plant.
242	PH242	1395.16	4824.37	Kalumpang	—	An:	40	D.B.	R	C	M	W	Bush
243	PH243	1395.58	4824.85	Kalumpang	—	An:	40	D.B.	R	S	M	W	Oil palm plant.
244	PH244	1395.73	4824.26	Kalumpang	—	An:	40	D.B.	R	S	M	W	Oil palm plant.
245	PH245	1395.60	4825.87	Kalumpang	andesite	An:	40	D.B.	R	C	M	W	Oil palm plant.
246	PH246	1395.18	4825.74	Kalumpang	—	An:	40	D.B.	R	C	M	W	Secondary forest
247	PH247	1395.23	4825.32	Kalumpang	—	An:	40	D.B.	R	C	M	W	Secondary forest
248	PH248	1395.58	4825.23	Kalumpang	—	An:	40	D.B.	R	C	M	W	Oil palm plant.
249	PH249	1395.71	4826.63	Kalumpang	—	An:	40	D.B.	R	C	M	W	Oil palm plant.
250	PH250	1395.17	4826.72	Kalumpang	basalt boulder	An:	40	D.B.	R	C	M	W	Oil palm plant.
251	PH251	1395.14	4826.23	Kalumpang	—	An:	40	D.B.	R	C	M	W	Secondary forest
252	PH252	1395.72	4826.16	Kalumpang	—	An:	40	R.Y.	R	C	F	W	Oil palm plant.
253	PH253	1394.85	4820.27	Kalumpang	—	P ₄ Kg	40	Y.B.	R	C	F	D	Cocoa plantation
254	PH254	1394.77	4820.73	Kalumpang	ande. boulder	An:	40	R.B.	R	C	F	D	Cocoa plantation
255	PH255	1394.20	4820.18	Kalumpang	—	P ₄ Kg	40	R.B.	R	C	F	W	Cocoa plantation
256	PH256	1394.34	4820.90	Kalumpang	ande. boulder	An:	50	D.B.	F	C	F	D	Cocoa plantation
257	PH257	1394.78	4821.32	Kalumpang	—	An:	40	Y.B.	R	C	F	D	Cocoa plantation
258	PH258	1394.83	4821.78	Kalumpang	—	An:	40	R.B.	R	C	M	W	Cocoa plantation
259	PH259	1394.19	4821.24	Kalumpang	—	An:	40	D.B.	R	C	M	W	Cocoa plantation
260	PH260	1394.28	4821.76	Kalumpang	—	An:	40	Y.B.	R	C	F	W	Cocoa plantation
261	PH261	1394.72	4822.23	Kalumpang	—	P ₄ Kg	40	D.B.	R	C	M	W	Cocoa plantation
262	PH262	1394.82	4822.72	Kalumpang	—	An:	40	D.B.	R	C	F	D	Cocoa plantation
263	PH263	1394.12	4822.23	Kalumpang	—	P ₄ Kg	40	Y.B.	R	C	F	W	Cocoa plantation
264	PH264	1394.17	4822.68	Kalumpang	—	P ₄ Kg	50	Y.B.	R	C	F	W	Cocoa plantation
265	PH265	1394.82	4823.12	Kalumpang	—	An:	40	Y.B.	M	S	M	D	Secondary forest
266	PH266	1394.48	4823.72	Kalumpang	—	An:	40	D.B.	F	C	M	W	Secondary forest
267	PH267	1394.07	4823.22	Kalumpang	—	An:	40	Y.B.	R	C	F	D	Cocoa plantation
268	PH268	1394.17	4823.73	Kalumpang	—	An:	40	D.B.	F	C	M	W	Secondary forest
269	PH269	1394.79	4824.28	Kalumpang	—	An:	30	D.B.	F	C	S	W	Secondary forest
270	PH270	1394.78	4824.88	Kalumpang	—	An:	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)

Ser. No.	Sample No.	Coordinates		1/50,000 Topo. Sheet	Rock of Basement	Geol. Unit	Depth (cm)	Color	G. #1	S. #2	T. #3	H. #4	Vegetation
		N	E										
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)

*2Topography: Steep (S), Moderate (M), Flat (F)

*3Grain size: Sandy (S), Clayey (C)

*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)	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	K %	Mg %	Mn ppm	Mb 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	108	7	40	25	91	.47	.31	18	2	.07	12	2	.020	4.1	25	.52	2.0	>2	53
2	PH002	4820.580	1403.450	>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	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	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	114	4	41	24	59	.70	.45	5	2	.07	16	2	.020	2	26	.42	2.0	>2	50
6	PH006	4821.360	1403.130	>1	124	10	51	24	54	.74	.45	5	2	.07	16	3	.018	5.6	37	.44	2.2	>2	56
7	PH007	4821.820	1403.700	>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	96	8	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	116	8	45	20	54	.63	.36	5	2	.04	16	2	.011	4.6	39	.43	2.2	>2	50
10	PH010	4822.380	1403.120	23	105	2	45	16	84	.61	.28	5	2	.05	18	2	.009	3.1	36	.37	2.2	>2	46
11	PH011	4822.830	1403.630	>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	>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	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	52	3	67	18	42	.29	.26	5	1	.02	27	2	.015	1.4	10	.33	1.6	>2	298
15	PH015	4823.170	1403.210	7	92	2	31	9	53	.39	.23	5	1	.02	15	2	.013	1.4	33	.35	2.2	>2	65
16	PH016	4823.740	1403.170	>1	148	48	75	51	65	.95	.68	5	2	.05	73	3	.008	2.8	15	.23	2.0	>2	33
17	PH017	4824.250	1403.730	>1	18	7	75	7	58	.25	.21	5	1	.01	13	8	.015	1.4	61	.42	1.8	4	90
18	PH018	4824.670	1403.750	>1	118	9	83	13	37	.66	.30	5	3	.05	28	7	.013	3.0	24	.35	2.2	>2	25
19	PH019	4824.270	1403.180	>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	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	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	43	14	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	43	14	236	48	57	.04	.45	5	3	.11	48	2	.015	8.6	18	.90	1.2	>2	59
24	PH024	4825.630	1403.190	4	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	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	43	4	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	49	1	27	3	27	.09	.07	5	1	.04	5	4	.011	5.0	31	.44	2.2	>2	12
28	PH028	4826.700	1403.080	6	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	191	1	100	26	14	1.79	.56	80	1	.17	21	2	.018	2.2	33	.47	2.6	>2	44
30	PH030	4820.630	1402.360	>1	18	3	79	4	70	.01	.03	5	3	.07	8	7	.024	7.3	11	.83	1.4	>2	15
31	PH031	4820.630	1402.830	5	118	3	102	11	68	.60	.26	5	2	.03	14	7	.027	5.0	60	.69	1.8	>2	35
32	PH032	4820.240	1402.270	>1	15	3	83	3	109	.01	.04	5	2	.03	8	2	.013	3.0	9	.82	1.6	>2	15
33	PH033	4821.230	1402.660	>1	118	4	77	18	46	.73	.32	5	2	.08	12	3	.027	2.0	43	.47	2.4	>2	38
34	PH034	4821.650	1402.780	4	39	4	49	11	45	.36	.22	5	1	.06	11	6	.016	5	38	.44	1.8	>2	34
35	PH035	4821.170	1402.180	>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	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	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	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	109	2	50	13	44	.64	.25	5	1	.07	12	4	.019	3.3	33	.39	2.0	>2	38
40	PH040	4822.130	1402.280	5	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	90	23	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	119	6	67	21	55	.98	.31	5	1	.13	16	6	.014	2	27	.42	2.2	>2	79
43	PH043	4823.150	1402.230	2	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	72	5	36	9	51	.27	.18	5	1	.04	7	2	.012	5	10	.38	1.6	>2	22
45	PH045	4824.250	1402.280	2	89	9	118	22	59	.56	.39	5	2	.10	45	2	.015	5	21	.49	2.8	>2	44
46	PH046	4824.920	1402.800	12	100	13	61	20	34	.64	.39	5	1	.07	25	8	.011	3.8	31	.43	2.4	>2	40
47	PH047	4824.200	1402.230	>1	83	5	42	14	60	.44	.26	5	1	.06	10	2	.015	1.0	42	.45	2.0	>2	32
48	PH048	4824.780	1402.270	6	17	4	82	19	42	.43	.26	5	1	.05	21	2	.016	3	21	.43	2.4	>2	40
49	PH049	4825.340	1402.730	>1	147	6	90	61	35	1.36	.75	164	2	.12	39	15	.010	3.7	42	.43	1.8	>2	69
50	PH050	4825.820	1402.630	55	161	110	1230	226	46	.95	.42	2012	1	1.18	2191	60	.255	3.7	28	.46	1.8	>2	2134