Appendix 4

List of sample for stream sediment geochemical survey

Area: Nungkok
Sample Media: Stream Sediments (A)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geologic Unit	Order of Stream	Site *1	Flow *2	Color	Size *3
1	NSS01A	573.92	616.56	S Tunghabil (S)	—	P_2Cr	2	a	0	P.B.	3
2	NSS02A	573.90	616.74	S Tunghabil (N)	—	P_2Cr	2	a	0	P.B.	3
3	NSS03A	573.85	617.06	S Tunghabil (N)	Massive S.S.	P_2Cr	1	a	0	P.B.	3
4	NSS04A	573.81	617.37	S Tunghabil (N)	Massive S.S.	P_2Cr	1	a	0	P.B.	3
5	NSS05A	573.55	616.69	S Tunghabil (S)	Massive S.S.	P_2Cr	1	a	0	B.	4
6	NSS06A	573.32	616.98	S Tunghabil (S)	Massive S.S.	P_2Cr	1	a	0	B.	4
7	NSS07A	573.30	617.38	S Tunghabil (S)	S.S & Shale	P_2Cr	1	a	0	B.	4
8	NSS08A	573.16	617.61	S Tunghabil (S)	S.S & Shale	P_2Cr	1	a	0	P.B.	4
9	NSS09A	573.09	617.86	S Tunghabil (S)	S.S & Shale	P_2Cr	1	a	0	B.	3
10	NSS10A	573.17	618.21	S Tunghabil (S)	Sili. S.S.	P_2Cr	1	a	0	Y.B.	2
11	NSS11A	573.13	618.11	S Tunghabil (S)	Sili. S.S.Py	P_2Cr	1	a	0	B.	2
12	NSS12A	572.45	616.48	S Kurahaput	Massive S.S.	P_2Cr	2	a	0	D.B.	4
13	NSS13A	572.50	616.80	S Kurahaput	Massive S.S.	P_2Cr	1	a	0	D.B.	3
14	NSS14A	572.59	617.02	S Kurahaput	—	P_2Cr	1	a	0	D.G.	3
15	NSS15A	572.69	617.23	S Kurahaput	Massive S.S.	P_2Cr	1	a	0	D.B.	4
16	NSS16A	572.69	617.39	S Kurahaput	—	P_2Cr	1	a	0	D.B.	3
17	NSS17A	572.67	617.59	S Kurahaput	Massive S.S.	P_2Cr	1	a	0	D.B.	3
18	NSS18A	572.68	617.81	S Kurahaput	—	P_2Cr	1	a	0	B.	3
19	NSS19A	572.70	618.03	S Kurahaput	Massive S.S.	P_2Cr	1	a	0	D.B.	3
20	NSS20A	572.59	618.18	S Kurahaput	Massive S.S.	P_2Cr	1	a	0	B.	3
21	NSS21A	572.46	618.32	S Kurahaput	—	P_2Cr	1	a	0	B.	1
22	NSS22A	572.44	618.48	S Kurahaput	—	P_2Cr	1	a	0	D.B.	2
23	NSS23A	572.53	618.70	S Kurahaput	—	P_2Cr	1	a	0	D.B.	2
24	NSS24A	572.44	617.10	S Kitagaian	Massive S.S.	P_2Cr	1	a	0	B.	3
25	NSS25A	571.68	616.65	S Silu-Silu	Massive S.S.	P_2Cr	1	a	0	D.B.	4
26	NSS26A	571.97	617.06	S Silu-Silu	—	P_2Cr	1	a	0	D.B.	3
27	NSS27A	572.02	617.35	S Silu-Silu	—	Pinosuk	1	a	0	D.B.	3
28	NSS28A	572.07	617.60	S Silu-Silu	—	P_2Cr	1	a	0	D.B.	3
29	NSS29A	570.97	616.70	S Keihang	Massive S.S.	P_2Cr	1	a	0	B.G.	3
30	NSS30A	571.20	616.99	S Keihang	Massive S.S.	P_2Cr	1	a	0	B.G.	2
31	NSS31A	571.19	617.38	S Keihang	Massive S.S.	P_2Cr	1	a	0	B.G.	2
32	NSS32A	571.30	617.74	S Keihang	Massive S.S.	P_2Cr	1	a	0	B.G.	2
33	NSS33A	571.44	617.85	S Keihang	—	P_2Cr	1	a	0	B.G.	2
34	NSS34A	570.54	616.85	S Kiguatan	—	Pinosuk	2	a	0	P.B.	2
35	NSS35A	570.59	617.28	S Kiguatan	—	Pinosuk	2	a	0	D.B.	2
36	NSS36A	570.92	617.51	S Kiguatan	—	Pinosuk	2	a	0	D.B.	2
37	NSS37A	571.00	617.89	S Kiguatan	—	P_2Cr	2	a	0	D.B.	2
38	NSS38A	571.13	618.11	S Kiguatan	—	P_2Cr	2	a	0	P.B.	2
39	NSS39A	571.29	618.36	S Kiguatan	—	P_2Cr	1	a	0	B.	2
40	NSS40A	571.20	618.48	S Kiguatan	—	P_2Cr	1	a	0	D.G.	2

*1 Sample Site: bank (a), edge of stream (b), inside of stream (c).
*2 Sream Flow: none (0), puddle (1), slow flow (2), moderate flow (3), fast flow (4).
*3 Grain Size: coarse-grained (1), medium-grained (2), fine-grained (3), clayey (4).

Area: Nungkok
Sample Media: Stream Sediments (A)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geologic Unit	Ordr of Stream	Site *1	Flow *2	Color	Size *3
41	NSS41A	571.31	618.88	S Kiguatan	—	P_2Cr	1	a	0	B.Y.	2
42	NSS42A	570.20	617.57	S Kijuhutan	Massive S.S.	P_2Cr	2	a	0	B.G.	2
43	NSS43A	570.30	617.87	S Kinotoki	S.S & Shale	P_2Cr	2	a	0	B.	3
44	NSS44A	570.49	618.05	S Kinotoki	—	P_2Cr	1	a	0	B.	3
45	NSS45A	570.66	618.26	S Kinotoki	—	P_2Cr	1	a	0	D.B.	3
46	NSS46A	570.19	618.06	S Kijuhutan	—	P_2Cr	2	a	0	B.	3
47	NSS47A	570.33	618.48	S Kijuhutan	—	P_2Cr	2	a	0	B.	1
48	NSS48A	570.45	618.80	S Kijuhutan	Massive S.S.	P_2Cr	2	a	0	B.	1
49	NSS49A	570.59	619.22	S Kijuhutan	—	P_2Cr	1	a	0	D.B.	2
50	NSS50A	570.56	619.28	S Kijuhutan	Massive S.S.	P_2Cr	2	a	0	B.	1
51	NSS51A	570.79	619.28	S Kijuhutan	Massive S.S.	P_2Cr	1	a	0	B.	2
52	NSS52A	571.11	619.39	S Kijuhutan	—	P_2Cr	1	a	0	B.	2
53	NSS53A	570.85	619.78	S Kijuhutan	—	P_2Cr	2	a	0	D.B.	1
54	NSS54A	570.01	617.59	S Kiulan	—	P_2Cr	2	a	0	B.	1
55	NSS55A	569.94	617.98	S Tahubang	S.S & Shale	P_2Cr	2	a	0	B.	3
56	NSS56A	569.77	618.35	S Tahubang	Massive S.S.	P_2Cr	2	a	0	D.B.	4
57	NSS57A	569.69	618.78	S Tahubang	—	P_2Cr	1	a	0	B.	4
58	NSS58A	569.95	619.02	S Tahubang	Massive S.S.	P_2Cr	1	a	0	D.B.	4
59	NSS59A	570.09	619.44	S Tahubang	Brec. S.S.	P_2Cr	1	a	0	B.	4
60	NSS60A	570.21	619.66	S Tahubang	Brec. S.S.	P_2Cr	1	a	0	D.B.	4
61	NSS61A	569.68	617.18	S Kadamian	Massive S.S.	P_2Cr	3	a	0	B.G.	2
62	NSS62A	569.64	617.91	S Kiulan	—	P_2Cr	2	a	0	B.	3
63	NSS63A	569.51	619.33	S Tahubang	—	P_2Cr	1	a	0	B.	4
64	NSS64A	569.65	618.74	S Tahubang	—	P_2Cr	2	a	0	Y.B.	4
65	NSS65A	570.08	617.70	S Tahubang	—	P_2Cr	2	a	0	D.B.	2
66	NSS66A	570.13	619.44	S Tahubang	Brec. S.S.	P_2Cr	1	a	0	B.	4
67	NSS67A	569.81	617.15	S Kijuhutan	—	P_2Cr	3	a	0	B.G.	2
68	NSS68A	570.18	616.56	S Kadamaian	—	P_2Cr	3	a	0	B.G.	2
69	NSS69A	570.47	619.03	S Kijuhutan	Massive S.S.	P_2Cr	2	a	0	B.	1
70	NSS70A	570.58	619.25	S Kijuhutan	—	P_2Cr	1	a	0	D.B.	2
71	NSS71A	570.79	619.26	S Kijuhutan	—	P_2Cr	1	a	0	B.	3
72	NSS72A	570.88	619.76	S Kijuhutan	—	P_2Cr	1	a	0	D.B.	4
73	NSS73A	570.92	619.33	S Kijuhutan	Massive S.S.	P_2Cr	1	a	0	B.	2
74	NSS74A	570.78	616.66	S Kiguatan	—	Pinosuk	2	a	0	R.B.	3
75	NSS75A	570.90	616.70	S Keihang	—	P_2Cr	1	a	0	B.G.	2
76	NSS76A	570.91	616.45	S Kadamaian	Massive S.S.	P_2Cr	3	a	0	D.B.	2
77	NSS77A	572.47	616.81	S Kitagaian	Massive S.S.	P_2Cr	1	a	0	D.B.	4
78	NSS78A	572.56	618.69	S Kurahaput	—	P_2Cr	1	a	0	D.B.	2
79	NSS79A	573.15	618.23	S Tunghabil (S)	Sili. S.S.Py	P_2Cr	1	a	0	B.	3
80	NSS80A	573.88	617.06	S Tunghabil (N)	Massive S.S.	P_2Cr	1	a	0	Y.	3

*1 Sample Site: bank (a), edge of stream (b), inside of stream (c).
*2 Sream Flow: none (0), puddle (1), slow flow (2), moderate flow (3), fast flow (4).
*3 Grain Size: coarse-grained (1), medium-grained (2), fine-grained (3), clayey (4).

Area: Nungkok
Sample Media: Stream Sediments (B)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geologic Unit	Order of Stream	Site *1	Flow *2	Color	Size *3
81	NSS01B	573.92	616.56	S Tunghabil (S)	—	P_2Cr	2	b	0	B.	3
82	NSS02B	573.90	616.74	S Tunghabil (N)	—	P_2Cr	2	b	0	P.B.	2
83	NSS03B	573.85	617.06	S Tunghabil (N)	Massive S.S.	P_2Cr	1	b	0	P.B.	2
84	NSS04B	573.81	617.37	S Tunghabil (N)	Massive S.S.	P_2Cr	1	b	0	P.B.	3
85	NSS05B	573.55	616.69	S Tunghabil (S)	Massive S.S.	P_2Cr	1	b	0	P.B.	3
86	NSS06B	573.32	616.98	S Tunghabil (S)	Massive S.S.	P_2Cr	1	b	0	P.B.	3
87	NSS07B	573.30	617.38	S Tunghabil (S)	S.S & Shale	P_2Cr	1	b	0	P.B.	3
88	NSS08B	573.16	617.61	S Tunghabil (S)	S.S & Shale	P_2Cr	1	b	0	P.B.	3
89	NSS09B	573.09	617.86	S Tunghabil (S)	S.S & Shale	P_2Cr	1	b	1	B.	2
90	NSS10B	573.17	618.21	S Tunghabil (S)	Sili. S.S.	P_2Cr	1	b	1	Y.B.	3
91	NSS11B	573.13	618.11	S Tunghabil (S)	Sili. S.S.Py	P_2Cr	1	b	2	B.	2
92	NSS12B	572.45	616.48	S Kurahaput	Massive S.S.	P_2Cr	2	b	1	B.G.	2
93	NSS13B	572.50	616.80	S Kurahaput	Massive S.S.	P_2Cr	1	b	1	P.B.	2
94	NSS14B	572.59	617.02	S Kurahaput	—	P_2Cr	1	b	0	B.	2
95	NSS15B	572.69	617.23	S Kurahaput	Massive S.S.	P_2Cr	1	b	0	B.G.	2
96	NSS16B	572.69	617.39	S Kurahaput	—	P_2Cr	1	b	0	B.G.	2
97	NSS17B	572.67	617.59	S Kurahaput	Massive S.S.	P_2Cr	1	b	1	D.B.	2
98	NSS18B	572.68	617.81	S Kurahaput	—	P_2Cr	1	b	1	B.G.	2
99	NSS19B	572.70	618.03	S Kurahaput	Massive S.S.	P_2Cr	1	b	1	B.G.	2
100	NSS20B	572.59	618.18	S Kurahaput	Massive S.S.	P_2Cr	1	b	1	B.	2
101	NSS21B	572.46	618.32	S Kurahaput	—	P_2Cr	1	b	0	B.	1
102	NSS22B	572.44	618.48	S Kurahaput	—	P_2Cr	1	b	0	B.	1
103	NSS23B	572.53	618.70	S Kurahaput	—	P_2Cr	1	b	0	B.	1
104	NSS24B	572.44	617.10	S Kitagaian	Massive S.S.	P_2Cr	1	b	0	B.G.	2
105	NSS25B	571.68	616.65	S Silu-Silu	Massive S.S.	P_2Cr	1	b	0	B.G.	2
106	NSS26B	571.97	617.06	S Silu-Silu	—	P_2Cr	1	b	0	B.G.	2
107	NSS27B	572.02	617.35	S Silu-Silu	—	Pinosuk	1	b	0	B.G.	2
108	NSS28B	572.07	617.60	S Silu-Silu	—	P_2Cr	1	b	0	B.G.	2
109	NSS29B	570.97	616.70	S Keihang	Massive S.S.	P_2Cr	1	b	0	B.G.	2
110	NSS30B	571.20	616.99	S Keihang	Massive S.S.	P_2Cr	1	b	0	B.G.	1
111	NSS31B	571.19	617.38	S Keihang	Massive S.S.	P_2Cr	1	b	0	B.G.	1
112	NSS32B	571.30	617.74	S Keihang	Massive S.S.	P_2Cr	1	b	0	B.G.	1
113	NSS33B	571.44	617.85	S Keihang	—	P_2Cr	1	b	0	B.G.	1
114	NSS34B	570.54	616.85	S Kiguatan	—	Pinosuk	2	b	0	R.B.	2
115	NSS35B	570.59	617.28	S Kiguatan	—	Pinosuk	2	b	0	B.	2
116	NSS36B	570.92	617.51	S Kiguatan	—	Pinosuk	2	b	0	D.B.	2
117	NSS37B	571.00	617.89	S Kiguatan	—	P_2Cr	2	b	0	Y.B.	2
118	NSS38B	571.13	618.11	S Kiguatan	—	P_2Cr	2	b	0	B.	2
119	NSS39B	571.29	618.36	S Kiguatan	—	P_2Cr	1	b	0	D.B.	2
120	NSS40B	571.20	618.48	S Kiguatan	—	P_2Cr	1	b	0	G.	2

*1 Sample Site: bank (a), edge of stream (b), inside of stream (c).
*2 Sream Flow: none (0), puddle (1), slow flow (2), moderate flow (3), fast flow (4).
*3 Grain Size: coarse-grained (1), medium-grained (2), fine-grained (3), clayey (4).

Area: Nungkok
Sample Media: Stream Sediments (B)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geologic Unit	Ordr of Stream	Site *1	Flow *2	Color	Size *3
121	NSS41B	571.31	618.88	S Kiguatan	—	P_2Cr	1	b	0	D.B.	2
122	NSS42B	570.20	617.57	S Kijuhutan	Massive S.S.	P_2Cr	2	b	2	B.G.	1
123	NSS43B	570.30	617.87	S Kinotoki	S.S & Shale	P_2Cr	2	b	2	B.	3
124	NSS44B	570.49	618.05	S Kinotoki	—	P_2Cr	1	b	2	B.	2
125	NSS45B	570.66	618.26	S Kinotoki	—	P_2Cr	1	b	2	D.B.	2
126	NSS46B	570.19	618.06	S Kijuhutan	—	P_2Cr	2	b	1	B.	2
127	NSS47B	570.33	618.48	S Kijuhutan	—	P_2Cr	2	b	1	B.	2
128	NSS48B	570.45	618.80	S Kijuhutan	Massive S.S.	P_2Cr	2	b	1	B.	2
129	NSS49B	570.59	619.22	S Kijuhutan	—	P_2Cr	1	b	2	D.B.	2
130	NSS50B	570.56	619.28	S Kijuhutan	Massive S.S.	P_2Cr	2	b	2	B.	2
131	NSS51B	570.79	619.28	S Kijuhutan	Massive S.S.	P_2Cr	1	b	2	B.	1
132	NSS52B	571.11	619.39	S Kijuhutan	—	P_2Cr	1	b	1	B.	3
133	NSS53B	570.85	619.78	S Kijuhutan	—	P_2Cr	2	b	2	D.B.	2
134	NSS54B	570.01	617.59	S Kiulan	—	P_2Cr	2	b	2	B.	3
135	NSS55B	569.94	617.98	S Tahubang	S.S & Shale	P_2Cr	2	b	1	G.	3
136	NSS56B	569.77	618.35	S Tahubang	Massive S.S.	P_2Cr	2	b	0	B.	3
137	NSS57B	569.69	618.78	S Tahubang	—	P_2Cr	1	b	0	P.B.	2
138	NSS58B	569.95	619.02	S Tahubang	Massive S.S.	P_2Cr	1	b	0	D.B.	3
139	NSS59B	570.09	619.44	S Tahubang	Brec. S.S.	P_2Cr	1	b	0	B.	3
140	NSS60B	570.21	619.66	S Tahubang	Brec. S.S.	P_2Cr	1	b	0	D.B.	3
141	NSS61B	569.68	617.18	S Kadamian	Massive S.S.	P_2Cr	3	b	2	B.G.	2
142	NSS62B	569.64	617.91	S Kiulan	—	P_2Cr	2	b	2	B.	2
143	NSS63B	569.51	619.33	S Tahubang	—	P_2Cr	1	b	0	Y.	3
144	NSS64B	569.65	618.74	S Tahubang	—	P_2Cr	2	b	0	B.	3
145	NSS65B	570.08	617.70	S Tahubang	—	P_2Cr	2	b	2	D.B.	1
146	NSS66B	570.13	619.44	S Tahubang	Brec. S.S.	P_2Cr	1	b	0	Y.	3
147	NSS67B	569.81	617.15	S Kijuhutan	—	P_2Cr	3	b	2	B.G.	1
148	NSS68B	570.18	616.56	S Kadamaian	—	P_2Cr	3	b	2	B.G.	2
149	NSS69B	570.47	619.03	S Kijuhutan	Massive S.S.	P_2Cr	2	b	1	B.	2
150	NSS70B	570.58	619.25	S Kijuhutan	—	P_2Cr	1	b	2	D.B.	2
151	NSS71B	570.79	619.26	S Kijuhutan	—	P_2Cr	1	b	0	B.	3
152	NSS72B	570.88	619.76	S Kijuhutan	—	P_2Cr	1	b	2	D.B.	3
153	NSS73B	570.92	619.33	S Kijuhutan	Massive S.S.	P_2Cr	1	b	1	B.	3
154	NSS74B	570.78	616.66	S Kiguatan	—	Pinosuk	2	b	1	B.Y.	2
155	NSS75B	570.90	616.70	S Keihang	—	P_2Cr	1	b	0	B.G.	1
156	NSS76B	570.91	616.45	S Kadamaian	Massive S.S.	P_2Cr	3	b	2	D.B.	1
157	NSS77B	572.47	616.81	S Kitagaian	Massive S.S.	P_2Cr	1	b	0	B.G.	2
158	NSS78B	572.56	618.69	S Kurahaput	—	P_2Cr	1	b	0	B.	1
159	NSS79B	573.15	618.23	S Tunghabil (S)	Sili. S.S.Py	P_2Cr	1	b	2	R.B.	2
160	NSS80B	573.88	617.06	S Tunghabil (N)	Massive S.S.	P_2Cr	1	b	0	Y.	2

*1 Sample Site: bank (a), edge of stream (b), inside of stream (c).
*2 Sream Flow: none (0), puddle (1), slow flow (2), moderate flow (3), fast flow (4).
*3 Grain Size: coarse-grained (1), medium-grained (2), fine-grained (3), clayey (4).

Area: Nungkok
Sample Media: Stream Sediments (C)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geologic Unit	Order of Stream	Site *1	Flow *2	Color	Size *3
161	NSS01C	573.92	616.56	S Tunghabil (S)	—	P_2Cr	2	c	3	B.	2
162	NSS02C	573.90	616.74	S Tunghabil (N)	—	P_2Cr	2	c	3	P.B.	2
163	NSS03C	573.85	617.06	S Tunghabil (N)	Massive S.S.	P_2Cr	1	c	3	P.B.	2
164	NSS04C	573.81	617.37	S Tunghabil (N)	Massive S.S.	P_2Cr	1	c	3	P.B.	2
165	NSS05C	573.55	616.69	S Tunghabil (S)	Massive S.S.	P_2Cr	1	c	3	P.B.	2
166	NSS06C	573.32	616.98	S Tunghabil (S)	Massive S.S.	P_2Cr	1	c	3	P.B.	2
167	NSS07C	573.30	617.38	S Tunghabil (S)	S.S & Shale	P_2Cr	1	c	3	Y.	2
168	NSS08C	573.16	617.61	S Tunghabil (S)	S.S & Shale	P_2Cr	1	c	3	P.B.	2
169	NSS09C	573.09	617.86	S Tunghabil (S)	S.S & Shale	P_2Cr	1	c	3	B.	1
170	NSS10C	573.17	618.21	S Tunghabil (S)	Sili. S.S.	P_2Cr	1	c	2	Y.B.	3
171	NSS11C	573.13	618.11	S Tunghabil (S)	Sili. S.S.Py	P_2Cr	1	c	4	B.	1
172	NSS12C	572.45	616.48	S Kurahaput	Massive S.S.	P_2Cr	2	c	4	B.G.	1
173	NSS13C	572.50	616.80	S Kurahaput	Massive S.S.	P_2Cr	1	c	4	P.B.	1
174	NSS14C	572.59	617.02	S Kurahaput	—	P_2Cr	1	c	4	B.	1
175	NSS15C	572.69	617.23	S Kurahaput	Massive S.S.	P_2Cr	1	c	4	B.G.	1
176	NSS16C	572.69	617.39	S Kurahaput	—	P_2Cr	1	c	4	B.G.	1
177	NSS17C	572.67	617.59	S Kurahaput	Massive S.S.	P_2Cr	1	c	4	B.G.	1
178	NSS18C	572.68	617.81	S Kurahaput	—	P_2Cr	1	c	4	B.G.	1
179	NSS19C	572.70	618.03	S Kurahaput	Massive S.S.	P_2Cr	1	c	4	B.G.	1
180	NSS20C	572.59	618.18	S Kurahaput	Massive S.S.	P_2Cr	1	c	4	B.	1
181	NSS21C	572.46	618.32	S Kurahaput	—	P_2Cr	1	c	0	B.	1
182	NSS22C	572.44	618.48	S Kurahaput	—	P_2Cr	1	c	4	B.	1
183	NSS23C	572.53	618.70	S Kurahaput	—	P_2Cr	1	c	4	B.	1
184	NSS24C	572.44	617.10	S Kitagaian	Massive S.S.	P_2Cr	1	c	4	B.G.	1
185	NSS25C	571.68	616.65	S Silu-Silu	Massive S.S.	P_2Cr	1	c	4	B.G.	2
186	NSS26C	571.97	617.06	S Silu-Silu	—	P_2Cr	1	c	4	B.G.	1
187	NSS27C	572.02	617.35	S Silu-Silu	—	Pinosuk	1	c	4	B.G.	1
188	NSS28C	572.07	617.60	S Silu-Silu	—	P_2Cr	1	c	4	B.G.	1
189	NSS29C	570.97	616.70	S Keihang	Massive S.S.	P_2Cr	1	c	4	B.G.	1
190	NSS30C	571.20	616.99	S Keihang	Massive S.S.	P_2Cr	1	c	4	B.G.	1
191	NSS31C	571.19	617.38	S Keihang	Massive S.S.	P_2Cr	1	c	4	B.G.	1
192	NSS32C	571.30	617.74	S Keihang	Massive S.S.	P_2Cr	1	c	4	B.G.	1
193	NSS33C	571.44	617.85	S Keihang	—	P_2Cr	1	c	4	B.G.	1
194	NSS34C	570.54	616.85	S Kiguatan	—	Pinosuk	2	c	4	R.B.	2
195	NSS35C	570.59	617.28	S Kiguatan	—	Pinosuk	2	c	4	P.B.	2
196	NSS36C	570.92	617.51	S Kiguatan	—	Pinosuk	2	c	4	P.B.	2
197	NSS37C	571.00	617.89	S Kiguatan	—	P_2Cr	2	c	4	Y.	2
198	NSS38C	571.13	618.11	S Kiguatan	—	P_2Cr	2	c	4	Y.B.	2
199	NSS39C	571.29	618.36	S Kiguatan	—	P_2Cr	1	c	4	Y.B.	2
200	NSS40C	571.20	618.48	S Kiguatan	—	P_2Cr	1	c	4	Y.B.	2

*1 Sample Site: bank (a), edge of stream (b), inside of stream (c).
*2 Sream Flow: none (0), puddle (1), slow flow (2), moderate flow (3), fast flow (4).
*3 Grain Size: coarse-grained (1), medium-grained (2), fine-grained (3), clayey (4).

Area: Nungkok
Sample Media: Stream Sediments (C)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geologic Unit	Ordr of Stream	Site *1	Flow *2	Color	Size *3
201	NSS41C	571.31	618.88	S Kiguatan	—	P_2Cr	1	c	4	D.B.	2
202	NSS42C	570.20	617.57	S Kijuhutan	Massive S.S.	P_2Cr	2	c	4	B.G.	1
203	NSS43C	570.30	617.87	S Kinotoki	S.S & Shale	P_2Cr	2	c	3	B.	3
204	NSS44C	570.49	618.05	S Kinotoki	—	P_2Cr	1	c	3	B.	2
205	NSS45C	570.66	618.26	S Kinotoki	—	P_2Cr	1	c	3	D.B.	2
206	NSS46C	570.19	618.06	S Kijuhutan	—	P_2Cr	2	c	3	B.	1
207	NSS47C	570.33	618.48	S Kijuhutan	—	P_2Cr	2	c	3	B.	2
208	NSS48C	570.45	618.80	S Kijuhutan	Massive S.S.	P_2Cr	2	c	3	B.	2
209	NSS49C	570.59	619.22	S Kijuhutan	—	P_2Cr	1	c	3	D.B.	3
210	NSS50C	570.56	619.28	S Kijuhutan	Massive S.S.	P_2Cr	2	c	4	B.	2
211	NSS51C	570.79	619.28	S Kijuhutan	Massive S.S.	P_2Cr	1	c	3	B.	1
212	NSS52C	571.11	619.39	S Kijuhutan	—	P_2Cr	1	c	3	B.	3
213	NSS53C	570.85	619.78	S Kijuhutan	—	P_2Cr	2	c	4	D.B.	2
214	NSS54C	570.01	617.59	S Kiulan	—	P_2Cr	2	c	4	B.	2
215	NSS55C	569.94	617.98	S Tahubang	S.S & Shale	P_2Cr	2	c	3	G.	2
216	NSS56C	569.77	618.35	S Tahubang	Massive S.S.	P_2Cr	2	c	1	B.	2
217	NSS57C	569.69	618.78	S Tahubang	—	P_2Cr	1	c	4	P.B.	2
218	NSS58C	569.95	619.02	S Tahubang	Massive S.S.	P_2Cr	1	c	2	B.Y.	2
219	NSS59C	570.09	619.44	S Tahubang	Brec. S.S.	P_2Cr	1	c	3	Y.B.	2
220	NSS60C	570.21	619.66	S Tahubang	Brec. S.S.	P_2Cr	1	c	2	D.B.	2
221	NSS61C	569.68	617.18	S Kadamian	Massive S.S.	P_2Cr	3	c	4	B.G.	1
222	NSS62C	569.64	617.91	S Kiulan	—	P_2Cr	2	c	3	B.	2
223	NSS63C	569.51	619.33	S Tahubang	—	P_2Cr	1	c	2	Y.	2
224	NSS64C	569.65	618.74	S Tahubang	—	P_2Cr	2	c	4	B.	2
225	NSS65C	570.08	617.70	S Tahubang	—	P_2Cr	2	c	3	D.B.	1
226	NSS66C	570.13	619.44	S Tahubang	Brec. S.S.	P_2Cr	1	c	3	Y.	2
227	NSS67C	569.81	617.15	S Kijuhutan	—	P_2Cr	3	c	4	B.G.	1
228	NSS68C	570.18	616.56	S Kadamaian	—	P_2Cr	3	c	4	B.G.	2
229	NSS69C	570.47	619.03	S Kijuhutan	Massive S.S.	P_2Cr	2	c	3	B.	1
230	NSS70C	570.58	619.25	S Kijuhutan	—	P_2Cr	1	c	4	D.B.	1
231	NSS71C	570.79	619.26	S Kijuhutan	—	P_2Cr	1	c	3	B.	2
232	NSS72C	570.88	619.76	S Kijuhutan	—	P_2Cr	1	c	2	D.B.	3
233	NSS73C	570.92	619.33	S Kijuhutan	Massive S.S.	P_2Cr	1	c	2	B.	3
234	NSS74C	570.78	616.66	S Kiguatan	—	Pinosuk	2	c	4	B.Y.	2
235	NSS75C	570.90	616.70	S Keihang	—	P_2Cr	1	c	1	B.G.	1
236	NSS76C	570.91	616.45	S Kadamaian	Massive S.S.	P_2Cr	3	c	4	D.B.	1
237	NSS77C	572.47	616.81	S Kitagaian	Massive S.S.	P_2Cr	1	c	4	B.G.	2
238	NSS78C	572.56	618.69	S Kurahaput	—	P_2Cr	1	c	4	B.	1
239	NSS79C	573.15	618.23	S Tunghabil (S)	Sili. S.S.Py	P_2Cr	1	c	4	R.B.	2
240	NSS80C	573.88	617.06	S Tunghabil (N)	Massive S.S.	P_2Cr	1	c	3	Y.	2

*1 Sample Site: bank (a), edge of stream (b), inside of stream (c).
*2 Sream Flow: none (0), puddle (1), slow flow (2), moderate flow (3), fast flow (4).
*3 Grain Size: coarse-grained (1), medium-grained (2), fine-grained (3), clayey (4).

Area: Bidu Bidu Hill
Sample Media: Stream Sediments (A)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geologic Unit	Order of Stream	Site *1	Flow *2	Color	Size *3
1	BSS01A	549.07	712.30	Northeast	—	KPCs	1	a	0	D.B.	2
2	BSS02A	548.94	712.53	Northeast	—	KPCs	1	a	0	D.B.	3
3	BSS03A	548.96	712.84	Northeast	—	KPCs	3	a	0	D.B.	2
4	BSS04A	548.98	712.32	Northeast	—	KPCs	3	a	0	D.B.	2
5	BSS05A	549.06	712.02	Camp area	—	KPCs	3	a	0	D.B.	3
6	BSS06A	549.14	711.89	Camp area	—	KPCs	2	a	0	D.B.	3
7	BSS07A	549.23	711.60	North	—	KPCs	2	a	0	D.B.	2
8	BSS08A	549.39	711.44	North	—	Ub	1	a	0	D.B.	2
9	BSS09A	548.96	711.28	Camp area	—	KPCs	2	a	0	D.B.	3
10	BSS10A	549.00	711.00	Camp area	—	KPCs	1	a	0	D.G.	2
11	BSS11A	548.87	710.72	Northwest	—	KPCs	2	a	0	D.G.	2
12	BSS12A	548.67	710.57	Northwest	—	KPCs	1	a	0	D.B.	2
13	BSS13A	548.67	710.36	Northwest	—	KPCs	1	a	0	D.B.	1
14	BSS14A	548.88	710.18	Northwest	Basalt lava	KPCs	1	a	0	D.G.	1
15	BSS15A	548.55	710.52	Northwest	—	KPCs	1	a	0	D.B.	2
16	BSS16A	548.57	709.85	Northwest	Basalt lava	KPCs	1	a	0	D.B.	3
17	BSS17A	548.44	710.05	Northwest	Basalt lava	KPCs	1	a	0	D.B.	3
18	BSS18A	548.17	710.25	Northwest	—	KPCs	1	a	0	D.G.	4
19	BSS19A	548.01	710.20	West	Sandstone	KPCs	1	a	0	R.B.	4
20	BSS20A	548.01	709.82	West	—	KPCs	1	a	0	D.B.	2
21	BSS21A	547.68	710.00	West	—	KPCs	1	a	0	D.B.	1
22	BSS22A	547.66	710.21	West	—	KPCs	2	a	0	D.B.	2
23	BSS23A	547.49	710.15	West	—	KPCs	1	a	0	D.B.	3
24	BSS24A	547.37	710.03	West	—	KPCs	1	a	0	D.B.	2
25	BSS25A	547.07	709.96	West	Basalt lava	KPCs	1	a	0	D.B.	2
26	BSS26A	546.81	709.80	West	Basalt lava	KPCs	1	a	0	B.	2
27	BSS27A	546.64	709.56	West	—	KPCs	1	a	0	D.B.	3
28	BSS28A	547.61	710.46	Center	—	KPCs	1	a	0	D.B.	3
29	BSS29A	547.70	710.49	Center	—	KPCs	2	a	0	D.B.	3
30	BSS30A	547.81	710.75	Center	Basalt brec.	KPCs	2	a	0	D.B.	2
31	BSS31A	547.84	711.06	Center	Basalt lava	KPCs	2	a	0	D.B.	2
32	BSS32A	547.72	711.34	Center	Microgabbro	Gb	2	a	0	D.B.	2
33	BSS33A	547.54	711.61	S Sualog	—	Gb	2	a	0	D.B.	2
34	BSS34A	547.38	711.90	S Sualog	—	KPCs	2	a	0	D.B.	2
35	BSS35A	547.17	711.95	S Sualog	—	KPCs	3	a	0	R.B.	4
36	BSS36A	546.94	711.68	S Sualog	—	KPCs	3	a	0	D.B.	4
37	BSS37A	546.84	711.84	S Sualog	—	KPCs	1	a	0	D.B.	4
38	BSS38A	546.88	711.33	S Sualog	—	KPCs	1	a	0	P.B.	4
39	BSS39A	546.76	711.35	S Sualog	—	KPCs	3	a	0	B.	4
40	BSS40A	546.53	711.42	S Sualog	—	KPCs	3	a	0	D.B.	4

*1 Sample Site: bank (a), edge of stream (b), inside of stream (c).
*2 Sream Flow: none (0), puddle (1), slow flow (2), moderate flow (3), fast flow (4).
*3 Grain Size: coarse-grained (1), medium-grained (2), fine-grained (3), clayey (4).

Area: Bidu Bidu Hill
Sample Media: Stream Sediments (A)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geologic Unit	Ordr of Stream	Site *1	Flow *2	Color	Size *3
41	BSS41A	546.35	711.14	S Sualog	—	KPCs	3	a	0	D.B.	4
42	BSS42A	546.30	710.86	S Sualog	—	KPCs	3	a	0	D.B.	4
43	BSS43A	546.25	710.61	S Sualog	—	Ub	3	a	0	D.B.	4
44	BSS44A	546.08	710.44	S Sualog	—	Ub	3	a	0	D.B.	4
45	BSS45A	545.94	710.22	S Sualog	—	Ub	2	a	0	D.B.	4
46	BSS46A	546.22	710.26	S Sualog	—	Ub	1	a	0	D.B.	4
47	BSS47A	546.48	710.36	S Sualog	—	Ub	1	a	0	D.B.	4
48	BSS48A	546.04	709.85	S Sualog	—	Ub	2	a	0	D.B.	4
49	BSS49A	545.95	709.53	S Sualog	—	Ub	2	a	0	D.B.	4
50	BSS50A	545.78	710.33	Southwest	—	Ub	1	a	0	D.B.	4
51	BSS51A	545.61	709.89	Southwest	—	Ub	2	a	0	D.B.	4
52	BSS52A	545.41	709.80	Southwest	—	Ub	2	a	0	D.B.	4
53	BSS53A	545.29	709.56	Southwest	—	Ub	2	a	0	D.B.	4
54	BSS54A	547.43	712.12	S Sualog	—	Ub	3	a	0	D.B.	2
55	BSS55A	547.66	712.32	S Sualog	—	Ub	3	a	0	D.B.	2
56	BSS56A	547.91	712.07	S Sualog	—	KPCs	1	a	0	D.B.	3
57	BSS57A	547.84	712.53	S Sualog	—	KPCs	3	a	0	B.	3
58	BSS58A	548.07	712.68	S Sualog	—	KPCs	3	a	0	B.	2
59	BSS59A	548.55	712.11	Northeast	—	KPCs	1	a	0	D.B.	2
60	BSS60A	545.59	711.72	Southeast	—	Ub	1	a	0	D.B.	2
61	BSS61A	545.70	712.03	Southeast	Basalt lava	KPCs	1	a	0	D.B.	2
62	BSS62A	545.88	712.04	Southeast	—	KPCs	1	a	0	D.B.	2
63	BSS63A	545.89	712.45	Southeast	—	KPCs	1	a	0	D.B.	2
64	BSS64A	545.67	712.42	Southeast	—	KPCs	2	a	0	D.B.	2
65	BSS65A	545.64	712.74	Southeast	—	Ub	2	a	0	D.B.	2
66	BSS66A	545.60	712.97	Southeast	—	Ub	2	a	0	D.B.	2
67	BSS67A	548.21	712.90	S Sualog	—	KPCs	3	a	0	D.B.	2
68	BSS68A	548.98	711.54	Camp area	—	KPCs	2	a	0	D.B.	3
69	BSS69A	549.38	711.40	North	—	Ub	1	a	0	D.B.	2
70	BSS70A	548.97	710.99	Camp area	—	KPCs	2	a	0	D.B.	3
71	BSS71A	548.98	710.85	Camp area	—	KPCs	1	a	0	D.B.	2
72	BSS72A	547.99	710.16	West	—	KPCs	1	a	0	D.B.	4
73	BSS73A	547.75	709.92	West	—	KPCs	1	a	0	D.B.	3
74	BSS74A	547.50	710.23	West	—	KPCs	1	a	0	D.B.	3
75	BSS75A	545.90	710.23	Southwest	—	KPCs	2	a	0	D.B.	4
76	BSS76A	545.73	710.08	Southwest	—	KPCs	2	a	0	D.B.	4
77	BSS77A	545.62	709.83	Southwest	—	KPCs	1	a	0	D.B.	4
78	BSS78A	547.70	712.32	S Sualog	—	Ub	1	a	0	D.B.	3
79	BSS79A	548.52	712.74	Northeast	—	KPCs	1	a	0	D.B.	2
80	BSS80A	545.67	712.00	Southeast	Basalt lava	KPCs	1	a	0	D.B.	2
81	BSS81A	545.72	712.45	Southeast	—	KPCs	1	a	0	D.G.	2

*1 Sample Site: bank (a), edge of stream (b), inside of stream (c).
*2 Sream Flow: none (0), puddle (1), slow flow (2), moderate flow (3), fast flow (4).
*3 Grain Size: coarse-grained (1), medium-grained (2), fine-grained (3), clayey (4).

Area: Bidu Bidu Hill
Sample Media: Stream Sediments (B)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geologic Unit	Order of Stream	Site *1	Flow *2	Color	Size *3
82	BSS01B	549.07	712.30	Northeast	—	KPCs	1	b	0	D.B.	2
83	BSS02B	548.94	712.53	Northeast	—	KPCs	1	b	0	D.B.	3
84	BSS03B	548.96	712.84	Northeast	—	KPCs	3	b	0	D.B.	2
85	BSS04B	548.98	712.32	Northeast	—	KPCs	3	b	0	D.B.	2
86	BSS05B	549.06	712.02	Camp area	—	KPCs	3	b	0	D.B.	2
87	BSS06B	549.14	711.89	Camp area	—	KPCs	2	b	0	D.G.	2
88	BSS07B	549.23	711.60	North	—	KPCs	2	b	0	D.G.	1
89	BSS08B	549.39	711.44	North	—	Ub	1	b	0	D.G.	1
90	BSS09B	548.96	711.28	Camp area	—	KPCs	2	b	0	D.G.	2
91	BSS10B	549.00	711.00	Camp area	—	KPCs	1	b	0	D.G.	2
92	BSS11B	548.87	710.72	Northwest	—	KPCs	2	b	2	D.G.	1
93	BSS12B	548.67	710.57	Northwest	—	KPCs	1	b	0	D.G.	1
94	BSS13B	548.67	710.36	Northwest	—	KPCs	1	b	0	D.G.	1
95	BSS14B	548.88	710.18	Northwest	Basalt lava	KPCs	1	b	0	D.G.	1
96	BSS15B	548.55	710.52	Northwest	—	KPCs	1	b	0	D.G.	1
97	BSS16B	548.57	709.85	Northwest	Basalt lava	KPCs	1	b	1	D.B.	3
98	BSS17B	548.44	710.05	Northwest	Basalt lava	KPCs	1	b	2	D.B.	3
99	BSS18B	548.17	710.25	Northwest	—	KPCs	1	b	1	D.G.	3
100	BSS19B	548.01	710.20	West	Sandstone	KPCs	1	b	2	R.B.	3
101	BSS20B	548.01	709.82	West	—	KPCs	1	b	2	D.B.	2
102	BSS21B	547.68	710.00	West	—	KPCs	1	b	2	D.B.	3
103	BSS22B	547.66	710.21	West	—	KPCs	2	b	2	D.B.	3
104	BSS23B	547.49	710.15	West	—	KPCs	1	b	1	D.B.	2
105	BSS24B	547.37	710.03	West	—	KPCs	1	b	1	D.B.	3
106	BSS25B	547.07	709.96	West	Basalt lava	KPCs	1	b	1	D.B.	3
107	BSS26B	546.81	709.80	West	Basalt lava	KPCs	1	b	2	B.	3
108	BSS27B	546.64	709.56	West	—	KPCs	1	b	2	D.B.	3
109	BSS28B	547.61	710.46	Center	—	KPCs	1	b	1	D.B.	2
110	BSS29B	547.70	710.49	Center	—	KPCs	2	b	1	D.B.	2
111	BSS30B	547.81	710.75	Center	Basalt brec.	KPCs	2	b	1	D.B.	2
112	BSS31B	547.84	711.06	Center	Basalt lava	KPCs	2	b	1	D.B.	3
113	BSS32B	547.72	711.34	Center	Microgabbro	Gb	2	b	2	D.B.	3
114	BSS33B	547.54	711.61	S Sualog	—	Gb	2	b	2	D.B.	3
115	BSS34B	547.38	711.90	S Sualog	—	KPCs	2	b	0	D.B.	1
116	BSS35B	547.17	711.95	S Sualog	—	KPCs	3	b	0	D.G.	3
117	BSS36B	546.94	711.68	S Sualog	—	KPCs	3	b	0	D.G.	3
118	BSS37B	546.84	711.84	S Sualog	—	KPCs	1	b	0	D.G.	4
119	BSS38B	546.88	711.33	S Sualog	—	KPCs	1	b	0	P.B.	3
120	BSS39B	546.76	711.35	S Sualog	—	KPCs	3	b	0	P.B.	3
121	BSS40B	546.53	711.42	S Sualog	—	KPCs	3	b	0	P.B.	3

*1 Sample Site: bank (a), edge of stream (b), inside of stream (c).
*2 Sream Flow: none (0), puddle (1), slow flow (2), moderate flow (3), fast flow (4).
*3 Grain Size: coarse-grained (1), medium-grained (2), fine-grained (3), clayey (4).

Area: Bidu Bidu Hill
Sample Media: Stream Sediments (B)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geologic Unit	Ordr of Stream	Site *1	Flow *2	Color	Size *3
122	BSS41B	546.35	711.14	S Sualog	—	KPCs	3	b	0	D.B.	3
123	BSS42B	546.30	710.86	S Sualog	—	KPCs	3	b	0	D.B.	3
124	BSS43B	546.25	710.61	S Sualog	—	Ub	3	b	0	D.B.	3
125	BSS44B	546.08	710.44	S Sualog	—	Ub	3	b	0	D.B.	3
126	BSS45B	545.94	710.22	S Sualog	—	Ub	2	b	0	D.B.	3
127	BSS46B	546.22	710.26	S Sualog	—	Ub	1	b	0	D.B.	4
128	BSS47B	546.48	710.36	S Sualog	—	Ub	1	b	0	D.B.	4
129	BSS48B	546.04	709.85	S Sualog	—	Ub	2	b	0	D.B.	3
130	BSS49B	545.95	709.53	S Sualog	—	Ub	2	b	0	D.B.	3
131	BSS50B	545.78	710.33	Southwest	—	Ub	1	b	0	D.B.	3
132	BSS51B	545.61	709.89	Southwest	—	Ub	2	b	0	D.B.	3
133	BSS52B	545.41	709.80	Southwest	—	Ub	2	b	0	D.B.	3
134	BSS53B	545.29	709.56	Southwest	—	Ub	2	b	0	D.B.	3
135	BSS54B	547.43	712.12	S Sualog	—	Ub	3	b	0	D.B.	1
136	BSS55B	547.66	712.32	S Sualog	—	Ub	3	b	0	D.B.	1
137	BSS56B	547.91	712.07	S Sualog	—	KPCs	1	b	0	D.B.	2
138	BSS57B	547.84	712.53	S Sualog	—	KPCs	3	b	0	B.	2
139	BSS58B	548.07	712.68	S Sualog	—	KPCs	3	b	0	B.	2
140	BSS59B	548.55	712.11	Northeast	—	KPCs	1	b	0	D.B.	2
141	BSS60B	545.59	711.72	Southeast	—	Ub	1	b	2	B.	1
142	BSS61B	545.70	712.03	Southeast	Basalt lava	KPCs	1	b	0	B.	1
143	BSS62B	545.88	712.04	Southeast	—	KPCs	1	b	0	B.	1
144	BSS63B	545.89	712.45	Southeast	—	KPCs	1	b	0	D.G.	2
145	BSS64B	545.67	712.42	Southeast	—	KPCs	2	b	0	B.	2
146	BSS65B	545.64	712.74	Southeast	—	Ub	2	b	0	B.	2
147	BSS66B	545.60	712.97	Southeast	—	Ub	2	b	0	B.	2
148	BSS67B	548.21	712.90	S Sualog	—	KPCs	3	b	0	D.B.	2
149	BSS68B	548.98	711.54	Camp area	—	KPCs	2	b	0	D.B.	2
150	BSS69B	549.38	711.40	North	—	Ub	1	b	0	D.G.	1
151	BSS70B	548.97	710.99	Camp area	—	KPCs	2	b	0	D.G.	2
152	BSS71B	548.98	710.85	Camp area	—	KPCs	1	b	0	D.G.	1
153	BSS72B	547.99	710.16	West	—	KPCs	1	b	2	D.B.	3
154	BSS73B	547.75	709.92	West	—	KPCs	1	b	1	D.B.	2
155	BSS74B	547.50	710.23	West	—	KPCs	1	b	2	D.B.	3
156	BSS75B	545.90	710.23	Southwest	—	KPCs	2	b	0	D.B.	3
157	BSS76B	545.73	710.08	Southwest	—	KPCs	2	b	0	D.B.	3
158	BSS77B	545.62	709.83	Southwest	—	KPCs	1	b	0	D.B.	3
159	BSS78B	547.70	712.32	S Sualog	—	Ub	1	b	0	D.B.	2
160	BSS79B	548.52	712.74	Northeast	—	KPCs	1	b	0	D.G.	2
161	BSS80B	545.67	712.00	Southeast	Basalt lava	KPCs	1	b	0	B.	1
162	BSS81B	545.72	712.45	Southeast	—	KPCs	1	b	0	D.B.	1

*1 Sample Site: bank (a), edge of stream (b), inside of stream (c).
*2 Sream Flow: none (0), puddle (1), slow flow (2), moderate flow (3), fast flow (4).
*3 Grain Size: coarse-grained (1), medium-grained (2), fine-grained (3), clayey (4).

Area: Bidu Bidu Hill
Sample Media: Stream Sediments (C)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geologic Unit	Order of Stream	Site *1	Flow *2	Color	Size *3
163	BSS01C	549.07	712.30	Northeast	—	KPCs	1	c	2	D.G.	1
164	BSS02C	548.94	712.53	Northeast	—	KPCs	1	c	2	D.G.	2
165	BSS03C	548.96	712.84	Northeast	—	KPCs	3	c	2	D.G.	1
166	BSS04C	548.98	712.32	Northeast	—	KPCs	3	c	2	D.G.	1
167	BSS05C	549.06	712.02	Camp area	—	KPCs	3	c	2	D.G.	1
168	BSS06C	549.14	711.89	Camp area	—	KPCs	2	c	2	D.G.	1
169	BSS07C	549.23	711.60	North	—	KPCs	2	c	2	D.G.	1
170	BSS08C	549.39	711.44	North	—	Ub	1	c	3	D.G.	1
171	BSS09C	548.96	711.28	Camp area	—	KPCs	2	c	2	D.G.	1
172	BSS10C	549.00	711.00	Camp area	—	KPCs	1	c	2	D.G.	1
173	BSS11C	548.87	710.72	Northwest	—	KPCs	2	c	2	D.G.	1
174	BSS12C	548.67	710.57	Northwest	—	KPCs	1	c	2	D.G.	1
175	BSS13C	548.67	710.36	Northwest	—	KPCs	1	c	2	D.G.	1
176	BSS14C	548.88	710.18	Northwest	Basalt lava	KPCs	1	c	2	D.G.	1
177	BSS15C	548.55	710.52	Northwest	—	KPCs	1	c	2	D.G.	1
178	BSS16C	548.57	709.85	Northwest	Basalt lava	KPCs	1	c	1	D.B.	3
179	BSS17C	548.44	710.05	Northwest	Basalt lava	KPCs	1	c	3	D.B.	3
180	BSS18C	548.17	710.25	Northwest	—	KPCs	1	c	2	D.G.	3
181	BSS19C	548.01	710.20	West	Sandstone	KPCs	1	c	2	R.B.	3
182	BSS20C	548.01	709.82	West	—	KPCs	1	c	3	D.B.	2
183	BSS21C	547.68	710.00	West	—	KPCs	1	c	3	D.B.	2
184	BSS22C	547.66	710.21	West	—	KPCs	2	c	3	D.B.	2
185	BSS23C	547.49	710.15	West	—	KPCs	1	c	2	D.B.	2
186	BSS24C	547.37	710.03	West	—	KPCs	1	c	2	D.B.	2
187	BSS25C	547.07	709.96	West	Basalt lava	KPCs	1	c	3	B.	3
188	BSS26C	546.81	709.80	West	Basalt lava	KPCs	1	c	2	B.	2
189	BSS27C	546.64	709.56	West	—	KPCs	1	c	2	D.B.	2
190	BSS28C	547.61	710.46	Center	—	KPCs	1	c	2	D.B.	2
191	BSS29C	547.70	710.49	Center	—	KPCs	2	c	2	D.B.	2
192	BSS30C	547.81	710.75	Center	Basalt brec.	KPCs	2	c	2	D.B.	2
193	BSS31C	547.84	711.06	Center	Basalt lava	KPCs	2	c	2	D.B.	2
194	BSS32C	547.72	711.34	Center	Microgabbro	Gb	2	c	3	D.B.	3
195	BSS33C	547.54	711.61	S Sualog	—	Gb	2	c	3	D.B.	3
196	BSS34C	547.38	711.90	S Sualog	—	KPCs	2	c	3	D.B.	1
197	BSS35C	547.17	711.95	S Sualog	—	KPCs	3	c	2	D.G.	2
198	BSS36C	546.94	711.68	S Sualog	—	KPCs	3	c	2	D.B.	2
199	BSS37C	546.84	711.84	S Sualog	—	KPCs	1	c	2	B.	4
200	BSS38C	546.88	711.33	S Sualog	—	KPCs	1	c	3	P.B.	2
201	BSS39C	546.76	711.35	S Sualog	—	KPCs	3	c	3	P.B.	2
202	BSS40C	546.53	711.42	S Sualog	—	KPCs	3	c	3	D.B.	2

*1 Sample Site: bank (a), edge of stream (b), inside of stream (c).
*2 Sream Flow: none (0), puddle (1), slow flow (2), moderate flow (3), fast flow (4).
*3 Grain Size: coarse-grained (1), medium-grained (2), fine-grained (3), clayey (4).

Area: Bidu Bidu Hill
Sample Media: Stream Sediments (C)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geologic Unit	Ordr of Stream	Site *1	Flow *2	Color	Size *3
203	BSS41C	546.35	711.14	S Sualog	—	KPCs	3	c	2	D.B.	2
204	BSS42C	546.30	710.86	S Sualog	—	KPCs	3	c	2	D.B.	2
205	BSS43C	546.25	710.61	S Sualog	—	Ub	3	c	2	D.B.	2
206	BSS44C	546.08	710.44	S Sualog	—	Ub	3	c	2	D.B.	2
207	BSS45C	545.94	710.22	S Sualog	—	Ub	2	c	2	D.B.	2
208	BSS46C	546.22	710.26	S Sualog	—	Ub	1	c	2	D.B.	3
209	BSS47C	546.48	710.36	S Sualog	—	Ub	1	c	1	D.G.	4
210	BSS48C	546.04	709.85	S Sualog	—	Ub	2	c	2	D.B.	2
211	BSS49C	545.95	709.53	S Sualog	—	Ub	2	c	2	D.B.	2
212	BSS50C	545.78	710.33	Southwest	—	Ub	1	c	2	D.B.	3
213	BSS51C	545.61	709.89	Southwest	—	Ub	2	c	2	D.B.	2
214	BSS52C	545.41	709.80	Southwest	—	Ub	2	c	2	D.B.	2
215	BSS53C	545.29	709.56	Southwest	—	Ub	2	c	2	D.B.	2
216	BSS54C	547.43	712.12	S Sualog	—	Ub	3	c	3	D.G.	1
217	BSS55C	547.66	712.32	S Sualog	—	Ub	3	c	2	D.G.	1
218	BSS56C	547.91	712.07	S Sualog	—	KPCs	1	c	2	B.	2
219	BSS57C	547.84	712.53	S Sualog	—	KPCs	3	c	2	D.G.	2
220	BSS58C	548.07	712.68	S Sualog	—	KPCs	3	c	2	B.	2
221	BSS59C	548.55	712.11	Northeast	—	KPCs	1	c	2	D.G.	2
222	BSS60C	545.59	711.72	Southeast	—	Ub	1	c	2	D.G.	1
223	BSS61C	545.70	712.03	Southeast	Basalt lava	KPCs	1	c	2	D.G.	1
224	BSS62C	545.88	712.04	Southeast	—	KPCs	1	c	2	B.	1
225	BSS63C	545.89	712.45	Southeast	—	KPCs	1	c	2	D.G.	1
226	BSS64C	545.67	712.42	Southeast	—	KPCs	2	c	2	D.G.	1
227	BSS65C	545.64	712.74	Southeast	—	Ub	2	c	2	D.G.	1
228	BSS66C	545.60	712.97	Southeast	—	Ub	2	c	2	D.G.	1
229	BSS67C	548.21	712.90	S Sualog	—	KPCs	3	c	2	B.	2
230	BSS68C	548.98	711.54	Camp area	—	KPCs	2	c	2	D.G.	1
231	BSS69C	549.38	711.40	North	—	Ub	1	c	4	D.G.	1
232	BSS70C	548.97	710.99	Camp area	—	KPCs	2	c	2	D.G.	1
233	BSS71C	548.98	710.85	Camp area	—	KPCs	1	c	2	D.G.	1
234	BSS72C	547.99	710.16	West	—	KPCs	1	c	3	D.B.	3
235	BSS73C	547.75	709.92	West	—	KPCs	1	c	3	D.B.	2
236	BSS74C	547.50	710.23	West	—	KPCs	1	c	3	D.B.	3
237	BSS75C	545.90	710.23	Southwest	—	KPCs	2	c	2	D.B.	2
238	BSS76C	545.73	710.08	Southwest	—	KPCs	2	c	3	D.B.	2
239	BSS77C	545.62	709.83	Southwest	—	KPCs	1	c	2	D.B.	3
240	BSS78C	547.70	712.32	S Sualog	—	Ub	1	c	0	D.G.	2
241	BSS79C	548.52	712.74	Northeast	—	KPCs	1	c	2	D.G.	2
242	BSS80C	545.67	712.00	Southeast	Basalt lava	KPCs	1	c	2	D.G	1
243	BSS81C	545.72	712.45	Southeast	—	KPCs	1	c	2	B.	1

*1 Sample Site: bank (a), edge of stream (b), inside of stream (c).
*2 Sream Flow: none (0), puddle (1), slow flow (2), moderate flow (3), fast flow (4).
*3 Grain Size: coarse-grained (1), medium-grained (2), fine-grained (3), clayey (4).

Area: Mantri
Sample Media: Stream Sediments (A)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geologic Unit	Order of Stream	Site *1	Flow *2	Color	Size *3
1	MSS01A	397.81	798.01	West	—	An	1	a	0	B.	4
2	MSS02A	397.83	798.19	West	—	An	1	a	0	B.	4
3	MSS03A	398.95	801.06	Northeast	—	P_4Kg	1	a	0	B.	3
4	MSS04A	399.86	799.46	North	S.S. & shale	P_4Kg	1	a	0	B.	3
5	MSS05A	400.31	800.74	North	—	P_4Kg	1	a	0	B.	2
6	MSS06A	400.15	800.40	North	Shale	P_4Kg	1	a	0	B.	3
7	MSS07A	400.09	800.18	North	Pyroclastics	P_4Kg	1	a	0	B.	3
8	MSS08A	399.96	799.89	North	Pyroclastics	P_4Kg	1	a	0	B.	3
9	MSS09A	399.87	799.64	North	S.S. & shale	P_4Kg	1	a	0	B.	3
10	MSS10A	399.54	801.21	Northeast	Tfc. S.S.	P_4Kg	2	a	0	B.	2
11	MSS11A	399.61	800.90	Northeast	—	P_4Kg	1	a	0	B.	1
12	MSS12A	399.50	800.68	Northeast	—	P_4Kg	1	a	0	B.	2
13	MSS13A	399.39	800.42	Northeast	Mudstone	P_4Kg	1	a	0	B.	3
14	MSS14A	399.22	800.31	Northeast	Altered An.	An	1	a	0	B.	2
15	MSS15A	399.42	801.13	Northeast	—	P_4Kg	2	a	0	B.	3
16	MSS16A	399.29	800.90	Northeast	—	P_4Kg	1	a	0	B.	4
17	MSS17A	399.20	800.76	Northeast	—	P_4Kg	1	a	0	B.	4
18	MSS18A	399.20	801.10	Northeast	—	P_4Kg	2	a	0	B.	4
19	MSS19A	398.73	801.01	Northeast	Mudstone	P_4Kg	1	a	0	B.	2
20	MSS20A	398.91	800.80	Northeast	—	P_4Kg	1	a	0	B.	3
21	MSS21A	398.57	800.98	Northeast	Sandstone	P_4Kg	1	a	0	B.	2
22	MSS22A	398.38	800.95	Northeast	Mudstone	P_4Kg	1	a	0	B.	3
23	MSS23A	397.73	797.91	West	Andesite	An	2	a	0	D.B.	4
24	MSS24A	397.58	798.01	West	—	An	1	a	0	D.B.	3
25	MSS25A	397.95	797.87	West	Altered An.	An	1	a	0	B.	4
26	MSS26A	397.80	797.81	West	—	An	2	a	0	D.B.	3
27	MSS27A	397.65	798.10	West	—	An	2	a	0	D.B.	4
28	MSS28A	397.60	798.28	West	—	An	2	a	0	B.	3
29	MSS29A	397.85	798.45	West	—	An	1	a	0	B.	2
30	MSS30A	397.60	798.54	West	—	An	2	a	0	D.B.	3
31	MSS31A	397.74	798.73	West	—	An	1	a	0	B.	3
32	MSS32A	397.98	798.78	West	—	An	1	a	0	B.	2
33	MSS33A	398.10	798.91	West	—	An	1	a	0	D.B.	2
34	MSS34A	395.83	798.01	Southwest	—	An	3	a	0	D.B.	3
35	MSS35A	396.03	798.27	Southwest	—	An	3	a	0	D.B.	3
36	MSS36A	396.26	798.24	Southwest	Altered An.	An	1	a	0	B.	3
37	MSS37A	396.71	798.19	Southwest	—	An	1	a	0	B.	3
38	MSS38A	396.83	798.28	Southwest	Andesite	An	1	a	0	B.	4
39	MSS39A	396.08	798.63	Southwest	—	An	3	a	0	D.B.	3
40	MSS40A	396.26	798.93	South	—	An	2	a	0	D.B.	3

*1 Sample Site: bank (a), edge of stream (b), inside of stream (c).
*2 Sream Flow: none (0), puddle (1), slow flow (2), moderate flow (3), fast flow (4).
*3 Grain Size: coarse-grained (1), medium-grained (2), fine-grained (3), clayey (4).

Area: Mantri
Sample Media: Stream Sediments (A)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geologic Unit	Ordr of Stream	Site *1	Flow *2	Color	Size *3
41	MSS41A	396.49	798.94	South	—	An	2	a	0	B.	4
42	MSS42A	396.72	798.97	South	—	An	1	a	0	B.	4
43	MSS43A	396.86	799.01	South	—	An	1	a	0	B.	4
44	MSS44A	397.15	798.84	South	—	An	1	a	0	B.	4
45	MSS45A	397.16	799.04	South	—	An	1	a	0	B.	4
46	MSS46A	396.53	799.14	South	Andesite	An	1	a	0	G.B.	3
47	MSS47A	396.80	799.17	South	—	An	2	a	0	B.	2
48	MSS48A	397.04	799.27	South	—	An	2	a	0	B.	3
49	MSS49A	397.29	799.36	South	Altered An.	An	2	a	0	B.	3
50	MSS50A	397.58	799.38	South	—	An	1	a	0	B.	3
51	MSS51A	397.49	799.55	South	—	An	1	a	0	Y.B.	4
52	MSS52A	396.64	799.42	South	—	An	1	a	0	B.	3
53	MSS53A	396.85	799.58	South	Altered An.	An	1	a	0	B.	3
54	MSS54A	397.08	799.68	South	Altered An.	An	1	a	0	B.	3
55	MSS55A	397.27	799.80	South	Altered An.	An	1	a	0	B.	3
56	MSS56A	396.21	799.41	South	—	An	3	a	0	B.	3
57	MSS57A	396.19	799.71	South	—	An	3	a	0	B.	3
58	MSS58A	396.15	799.96	South	Altered An.	An	3	a	0	B.	3
59	MSS59A	396.34	800.13	Southeast	Altered An.	An	2	a	0	B.	3
60	MSS60A	396.55	800.26	Southeast	Altered An.	An	2	a	0	B.	3
61	MSS61A	396.73	800.39	Southeast	Altered An.	An	1	a	0	B.	3
62	MSS62A	396.92	800.30	Southeast	Altered An.	An	1	a	0	B.	3
63	MSS63A	397.16	800.18	Southeast	Altered An.	An	1	a	0	B.	3
64	MSS64A	397.21	800.37	Southeast	Altered An.	An	1	a	0	B.	3
65	MSS65A	396.85	800.60	Southeast	Altered An.	An	1	a	0	B.	3
66	MSS66A	396.96	800.81	Southeast	Altered An.	An	1	a	0	B.	3
67	MSS67A	396.05	800.29	Camp area	Altered An.	An	1	a	0	B.	3
68	MSS68A	396.16	800.48	Camp area	Altered An.	An	1	a	0	B.	3
69	MSS69A	396.30	800.67	Camp area	Altered An.	An	1	a	0	B.	3
70	MSS70A	395.90	800.29	Camp area	Altered An.	An	3	a	0	B.	3
71	MSS71A	395.91	800.69	Camp area	Altered An.	An	1	a	0	B.	3
72	MSS72A	399.06	800.92	North	—	P_4Kg	1	a	0	B.	3
73	MSS73A	397.81	797.84	West	Altered An.	An	1	a	0	B.	4
74	MSS74A	397.76	798.71	West	—	An	1	a	0	D.B.	3
75	MSS75A	396.05	798.24	Southwest	—	An	1	a	0	D.B.	4
76	MSS76A	396.30	799.04	South	—	An	2	a	0	B.	2
77	MSS77A	396.86	798.98	South	—	An	1	a	0	P.B.	4
78	MSS78A	396.19	799.96	South	Altered An.	An	2	a	0	B.	3
79	MSS79A	396.75	800.37	Southeast	Altered An.	An	2	a	0	B.	4
80	MSS80A	396.97	800.80	Southeast	Altered An.	An	1	a	0	B.	3
81	MSS81A	397.68	797.95	West	—	An	1	a	0	B.	3

*1 Sample Site: bank (a), edge of stream (b), inside of stream (c).
*2 Sream Flow: none (0), puddle (1), slow flow (2), moderate flow (3), fast flow (4).
*3 Grain Size: coarse-grained (1), medium-grained (2), fine-grained (3), clayey (4).

Area: Mantri
Sample Media: Stream Sediments (B)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geologic Unit	Order of Stream	Site *1	Flow *2	Color	Size *3
82	MSS01B	397.81	798.01	West	—	An	1	b	0	B.	3
83	MSS02B	397.83	798.19	West	—	An	1	b	0	B.	3
84	MSS03B	398.95	801.06	Northeast	—	P_4Kg	1	b	0	B.	2
85	MSS04B	399.86	799.46	North	S.S. & shale	P_4Kg	1	b	0	B.	2
86	MSS05B	400.31	800.74	North	—	P_4Kg	1	b	0	B.	2
87	MSS06B	400.15	800.40	North	Shale	P_4Kg	1	b	0	B.	2
88	MSS07B	400.09	800.18	North	Pyroclastics	P_4Kg	1	b	0	B.	2
89	MSS08B	399.96	799.89	North	Pyroclastics	P_4Kg	1	b	0	B.	2
90	MSS09B	399.87	799.64	North	S.S. & shale	P_4Kg	1	b	0	B.	2
91	MSS10B	399.54	801.21	Northeast	Tfc. S.S.	P_4Kg	2	b	0	B.	1
92	MSS11B	399.61	800.90	Northeast	—	P_4Kg	1	b	1	B.	1
93	MSS12B	399.50	800.68	Northeast	—	P_4Kg	1	b	1	B.	2
94	MSS13B	399.39	800.42	Northeast	Mudstone	P_4Kg	1	b	1	B.	2
95	MSS14B	399.22	800.31	Northeast	Altered An.	An	1	b	1	B.	2
96	MSS15B	399.42	801.13	Northeast	—	P_4Kg	2	b	0	B.	2
97	MSS16B	399.29	800.90	Northeast	—	P_4Kg	1	b	0	B.	3
98	MSS17B	399.20	800.76	Northeast	—	P_4Kg	1	b	0	B.	3
99	MSS18B	399.20	801.10	Northeast	—	P_4Kg	2	b	0	B.	3
100	MSS19B	398.73	801.01	Northeast	Mudstone	P_4Kg	1	b	0	B.	1
101	MSS20B	398.91	800.80	Northeast	—	P_4Kg	1	b	0	B.	2
102	MSS21B	398.57	800.98	Northeast	Sandstone	P_4Kg	1	b	0	B.	1
103	MSS22B	398.38	800.95	Northeast	Mudstone	P_4Kg	1	b	0	B.	2
104	MSS23B	397.73	797.91	West	Andesite	An	2	b	0	B.	3
105	MSS24B	397.58	798.01	West	—	An	1	b	0	B.	3
106	MSS25B	397.95	797.87	West	Altered An.	An	1	b	0	B.	3
107	MSS26B	397.80	797.81	West	—	An	2	b	0	B.	2
108	MSS27B	397.65	798.10	West	—	An	2	b	0	B.	2
109	MSS28B	397.60	798.28	West	—	An	2	b	0	B.	2
110	MSS29B	397.85	798.45	West	—	An	1	b	0	B.	2
111	MSS30B	397.60	798.54	West	—	An	2	b	0	B.	2
112	MSS31B	397.74	798.73	West	—	An	1	b	0	B.	2
113	MSS32B	397.98	798.78	West	—	An	1	b	0	B.	2
114	MSS33B	398.10	798.91	West	—	An	1	b	0	B.	2
115	MSS34B	395.83	798.01	Southwest	—	An	3	b	0	B.	2
116	MSS35B	396.03	798.27	Southwest	—	An	3	b	0	B.	2
117	MSS36B	396.26	798.24	Southwest	Altered An.	An	1	b	0	B.	2
118	MSS37B	396.71	798.19	Southwest	—	An	1	b	0	B.	2
119	MSS38B	396.83	798.28	Southwest	Andesite	An	1	b	0	B.	3
120	MSS39B	396.08	798.63	Southwest	—	An	3	b	0	B.	3
121	MSS40B	396.26	798.93	South	—	An	2	b	0	B.	2

*1 Sample Site: bank (a), edge of stream (b), inside of stream (c).
*2 Sream Flow: none (0), puddle (1), slow flow (2), moderate flow (3), fast flow (4).
*3 Grain Size: coarse-grained (1), medium-grained (2), fine-grained (3), clayey (4).

Area: Mantri
Sample Media: Stream Sediments (B)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geologic Unit	Ordr of Stream	Site *1	Flow *2	Color	Size *3
122	MSS41B	396.49	798.94	South	—	An	2	b	0	B.	3
123	MSS42B	396.72	798.97	South	—	An	1	b	0	B.	4
124	MSS43B	396.86	799.01	South	—	An	1	b	0	B.	3
125	MSS44B	397.15	798.84	South	—	An	1	b	0	B.	3
126	MSS45B	397.16	799.04	South	—	An	1	b	0	B.	3
127	MSS46B	396.53	799.14	South	Andesite	An	1	b	1	B.	3
128	MSS47B	396.80	799.17	South	—	An	2	b	2	B.	2
129	MSS48B	397.04	799.27	South	—	An	2	b	2	B.	2
130	MSS49B	397.29	799.36	South	Altered An.	An	2	b	1	B.	2
131	MSS50B	397.58	799.38	South	—	An	1	b	2	B.	2
132	MSS51B	397.49	799.55	South	—	An	1	b	1	Y.B.	4
133	MSS52B	396.64	799.42	South	—	An	1	b	1	B.	2
134	MSS53B	396.85	799.58	South	Altered An.	An	1	b	1	B.	2
135	MSS54B	397.08	799.68	South	Altered An.	An	1	b	1	B.	2
136	MSS55B	397.27	799.80	South	Altered An.	An	1	b	1	B.	2
137	MSS56B	396.21	799.41	South	—	An	3	b	0	B.	2
138	MSS57B	396.19	799.71	South	—	An	3	b	0	B.	2
139	MSS58B	396.15	799.96	South	Altered An.	An	3	b	0	B.	2
140	MSS59B	396.34	800.13	Southeast	Altered An.	An	2	b	0	B.	2
141	MSS60B	396.55	800.26	Southeast	Altered An.	An	2	b	0	B.	2
142	MSS61B	396.73	800.39	Southeast	Altered An.	An	1	b	0	B.	2
143	MSS62B	396.92	800.30	Southeast	Altered An.	An	1	b	0	B.	2
144	MSS63B	397.16	800.18	Southeast	Altered An.	An	1	b	0	B.	2
145	MSS64B	397.21	800.37	Southeast	Altered An.	An	1	b	0	B.	2
146	MSS65B	396.85	800.60	Southeast	Altered An.	An	1	b	0	D.B.	2
147	MSS66B	396.96	800.81	Southeast	Altered An.	An	1	b	0	B.	2
148	MSS67B	396.05	800.29	Camp area	Altered An.	An	1	b	0	B.	2
149	MSS68B	396.16	800.48	Camp area	Altered An.	An	1	b	0	B.	2
150	MSS69B	396.30	800.67	Camp area	Altered An.	An	1	b	0	B.	2
151	MSS70B	395.90	800.29	Camp area	Altered An.	An	3	b	0	B.	2
152	MSS71B	395.91	800.69	Camp area	Altered An.	An	1	b	0	B.	2
153	MSS72B	399.06	800.92	North	—	P_4Kg	1	b	0	B.	2
154	MSS73B	397.81	797.84	West	Altered An.	An	1	b	0	B.	3
155	MSS74B	397.76	798.71	West	—	An	1	b	0	B.	2
156	MSS75B	396.05	798.24	Southwest	—	An	1	b	0	B.	3
157	MSS76B	396.30	799.04	South	—	An	2	b	0	B.	3
168	MSS77B	396.86	798.98	South	—	An	1	b	0	B.	3
159	MSS78B	396.19	799.96	South	Altered An.	An	2	b	0	B.	2
160	MSS79B	396.75	800.37	Southeast	Altered An.	An	2	b	0	B.	3
161	MSS80B	396.97	800.80	Southeast	Altered An.	An	1	b	0	D.B.	2
162	MSS81B	397.68	797.95	West	—	An	1	b	0	B.	3

*1 Sample Site: bank (a), edge of stream (b), inside of stream (c).
*2 Sream Flow: none (0), puddle (1), slow flow (2), moderate flow (3), fast flow (4).
*3 Grain Size: coarse-grained (1), medium-grained (2), fine-grained (3), clayey (4).

Area: Mantri
Sample Media: Stream Sediments (C)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geologic Unit	Order of Stream	Site *1	Flow *2	Color	Size *3
163	MSS01C	397.81	798.01	West	—	An	1	c	2	B.	2
164	MSS02C	397.83	798.19	West	—	An	1	c	3	B.	2
165	MSS03C	398.95	801.06	Northeast	—	P_4Kg	1	c	4	B.	2
166	MSS04C	399.86	799.46	North	S.S. & shale	P_4Kg	1	c	3	B.	2
167	MSS05C	400.31	800.74	North	—	P_4Kg	1	c	3	B.	2
168	MSS06C	400.15	800.40	North	Shale	P_4Kg	1	c	3	B.	2
169	MSS07C	400.09	800.18	North	Pyroclastics	P_4Kg	1	c	3	B.	2
170	MSS08C	399.96	799.89	North	Pyroclastics	P_4Kg	1	c	3	B.	2
171	MSS09C	399.87	799.64	North	S.S. & shale	P_4Kg	1	c	3	B.	2
172	MSS10C	399.54	801.21	Northeast	Tfc. S.S.	P_4Kg	2	c	3	B.	1
173	MSS11C	399.61	800.90	Northeast	—	P_4Kg	1	c	3	B.	1
174	MSS12C	399.50	800.68	Northeast	—	P_4Kg	1	c	3	B.	1
175	MSS13C	399.39	800.42	Northeast	Mudstone	P_4Kg	1	c	3	B.	2
176	MSS14C	399.22	800.31	Northeast	Altered An.	An	1	c	3	B.	2
177	MSS15C	399.42	801.13	Northeast	—	P_4Kg	2	c	3	B.	2
178	MSS16C	399.29	800.90	Northeast	—	P_4Kg	1	c	3	B.	2
179	MSS17C	399.20	800.76	Northeast	—	P_4Kg	1	c	3	B.	2
180	MSS18C	399.20	801.10	Northeast	—	P_4Kg	2	c	3	B.	2
181	MSS19C	398.73	801.01	Northeast	Mudstone	P_4Kg	1	c	4	B.	1
182	MSS20C	398.91	800.80	Northeast	—	P_4Kg	1	c	4	B.	1
183	MSS21C	398.57	800.98	Northeast	Sandstone	P_4Kg	1	c	4	B.	1
184	MSS22C	398.38	800.95	Northeast	Mudstone	P_4Kg	1	c	4	B.	1
185	MSS23C	397.73	797.91	West	Andesite	An	2	c	3	B.	2
186	MSS24C	397.58	798.01	West	—	An	1	c	3	B.	2
187	MSS25C	397.95	797.87	West	Altered An.	An	1	c	3	B.	2
188	MSS26C	397.80	797.81	West	—	An	2	c	3	B.	1
189	MSS27C	397.65	798.10	West	—	An	2	c	3	B.	1
190	MSS28C	397.60	798.28	West	—	An	2	c	3	B.	1
191	MSS29C	397.85	798.45	West	—	An	1	c	4	B.	1
192	MSS30C	397.60	798.54	West	—	An	2	c	4	B.	1
193	MSS31C	397.74	798.73	West	—	An	1	c	4	D.B.	1
194	MSS32C	397.98	798.78	West	—	An	1	c	4	B.	1
195	MSS33C	398.10	798.91	West	—	An	1	c	4	B.	1
196	MSS34C	395.83	798.01	Southwest	—	An	3	c	3	B.	1
197	MSS35C	396.03	798.27	Southwest	—	An	3	c	3	B.	1
198	MSS36C	396.26	798.24	Southwest	Altered An.	An	1	c	3	B.	1
199	MSS37C	396.71	798.19	Southwest	—	An	1	c	3	B.	1
200	MSS38C	396.83	798.28	Southwest	Andesite	An	1	c	3	B.	2
201	MSS39C	396.08	798.63	Southwest	—	An	3	c	3	B.	2
202	MSS40C	396.26	798.93	South	—	An	2	c	2	D.G.	2

*1 Sample Site: bank (a), edge of stream (b), inside of stream (c).
*2 Sream Flow: none (0), puddle (1), slow flow (2), moderate flow (3), fast flow (4).
*3 Grain Size: coarse-grained (1), medium-grained (2), fine-grained (3), clayey (4).

Area: Mantri
Sample Media: Stream Sediments (C)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geologic Unit	Ordr of Stream	Site *1	Flow *2	Color	Size *3
203	MSS41C	396.49	798.94	South	—	An	2	c	2	D.G.	2
204	MSS42C	396.72	798.97	South	—	An	1	c	2	B.	3
205	MSS43C	396.86	799.01	South	—	An	1	c	2	B.	2
206	MSS44C	397.15	798.84	South	—	An	1	c	2	B.	2
207	MSS45C	397.16	799.04	South	—	An	1	c	2	B.	2
208	MSS46C	396.53	799.14	South	Andesite	An	1	c	3	B.	2
209	MSS47C	396.80	799.17	South	—	An	2	c	3	B.	2
210	MSS48C	397.04	799.27	South	—	An	2	c	3	B.	2
211	MSS49C	397.29	799.36	South	Altered An.	An	2	c	3	B.	2
212	MSS50C	397.58	799.38	South	—	An	1	c	3	B.	2
213	MSS51C	397.49	799.55	South	—	An	1	c	2	Y.B.	3
214	MSS52C	396.64	799.42	South	—	An	1	c	3	B.	2
215	MSS53C	396.85	799.58	South	Altered An.	An	1	c	3	B.	2
216	MSS54C	397.08	799.68	South	Altered An.	An	1	c	3	B.	2
217	MSS55C	397.27	799.80	South	Altered An.	An	1	c	3	B.	2
218	MSS56C	396.21	799.41	South	—	An	3	c	3	B.	1
219	MSS57C	396.19	799.71	South	—	An	3	c	3	B.	1
220	MSS58C	396.15	799.96	South	Altered An.	An	3	c	3	B.	2
221	MSS59C	396.34	800.13	Southeast	Altered An.	An	2	c	3	B.	2
222	MSS60C	396.55	800.26	Southeast	Altered An.	An	2	c	3	B.	2
223	MSS61C	396.73	800.39	Southeast	Altered An.	An	1	c	3	B.	2
224	MSS62C	396.92	800.30	Southeast	Altered An.	An	1	c	3	B.	2
225	MSS63C	397.16	800.18	Southeast	Altered An.	An	1	c	3	B.	2
226	MSS64C	397.21	800.37	Southeast	Altered An.	An	1	c	3	B.	2
227	MSS65C	396.85	800.60	Southeast	Altered An.	An	1	c	3	D.B.	2
228	MSS66C	396.96	800.81	Southeast	Altered An.	An	1	c	3	B.	2
229	MSS67C	396.05	800.29	Camp area	Altered An.	An	1	c	2	B.	2
230	MSS68C	396.16	800.48	Camp area	Altered An.	An	1	c	2	B.	2
231	MSS69C	396.30	800.67	Camp area	Altered An.	An	1	c	2	B.	2
232	MSS70C	395.90	800.29	Camp area	Altered An.	An	3	c	3	B.	2
233	MSS71C	395.91	800.69	Camp area	Altered An.	An	1	c	2	B.	2
234	MSS72C	399.06	800.92	North	—	P_4Kg	1	c	4	B.	1
235	MSS73C	397.81	797.84	West	Altered An.	An	1	c	3	B.	2
236	MSS74C	397.76	798.71	West	—	An	1	c	4	B.	1
237	MSS75C	396.05	798.24	Southwest	—	An	1	c	2	B.	2
238	MSS76C	396.30	799.04	South	—	An	2	c	3	B.	2
239	MSS77C	396.86	798.98	South	—	An	1	c	2	B.	2
240	MSS78C	396.19	799.96	South	Altered An.	An	2	c	3	B.	2
241	MSS79C	396.75	800.37	Southeast	Altered An.	An	2	c	3	B.	3
242	MSS80C	396.97	800.80	Southeast	Altered An.	An	1	c	3	D.B.	2
243	MSS81C	397.68	797.95	West	—	An	1	c	3	B.	2

*1 Sample Site: bank (a), edge of stream (b), inside of stream (c).
*2 Sream Flow: none (0), puddle (1), slow flow (2), moderate flow (3), fast flow (4).
*3 Grain Size: coarse-grained (1), medium-grained (2), fine-grained (3), clayey (4).

Appendix 5

List of sample for soil geochemical survey

Area: Nungkok
Sample Media: Soil (A)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
1	NSL01A	573.91	616.52	S Tunghabil	—	P_2Cr	A	5	D.B.	10 B 55	M	C	S	W	Primary forest
2	NSL02A	573.92	616.76	S Tunghabil	—	P_2Cr	A	5	D.B.	10 B 65	R	C	S	W	Primary forest
3	NSL03A	573.82	617.06	S Tunghabil	Massive S.S.	P_2Cr	A	5	B.	10 B 90	R	C	S	W	Primary forest
4	NSL04A	573.78	617.37	S Tunghabil	Massive S.S.	P_2Cr	A	5	D.B.	10 B 35	R	C	M	W	Primary forest
5	NSL05A	573.53	616.66	S Tunghabil	Massive S.S.	P_2Cr	A	15	D.B.	A 20 B 60	F	C	S	W	Primary forest
6	NSL06A	573.35	616.98	S Tunghabil	Massive S.S.	P_2Cr	A	10	D.B.	A15 B 55	R	C	S	W	Primary forest
7	NSL07A	573.28	617.37	S Tunghabil	S.S & Shale	P_2Cr	A	5	D.B.	10 B30	R	C	S	W	Primary forest
8	NSL08A	573.19	617.62	S Tunghabil	S.S & Shale	P_2Cr	A	5	D.B.	10 B 55	R	C	S	W	Primary forest
9	NSL09A	573.05	617.86	S Tunghabil	S.S & Shale	P_2Cr	A	10	D.B.	15 B 50	F	C	M	W	Primary forest
10	NSL10A	573.18	618.18	S Tunghabil	Sili. S.S.	P_2Cr	A	15	D.B.	A 20 B 50	M	S	S	W	Primary forest
11	NSL11A	573.09	618.04	S Tunghabil	Sili. S.S.Py	P_2Cr	A	10	D.B.	A 20 B 60	M	S	S	W	Primary forest
12	NSL12A	572.42	616.46	S Kurahaput	Massive S.S.	P_2Cr	A	15	D.B.	A 30 B 70	F	C	M	D	Primary forest
13	NSL13A	572.52	616.79	S Kurahaput	Massive S.S.	P_2Cr	A	10	D.B.	A15 B 70	R	C	F	W	Primary forest
14	NSL14A	572.61	617.02	S Kurahaput	—	P_2Cr	A	10	D.B.	A15 B 70	R	C	M	W	Primary forest
15	NSL15A	572.72	617.23	S Kurahaput	Massive S.S.	P_2Cr	A	10	D.G.	A15 B 70	R	C	M	W	Primary forest
16	NSL16A	572.72	617.40	S Kurahaput	—	P_2Cr	A	10	D.B.	A 20 B 70	F	C	M	W	Primary forest
17	NSL17A	572.70	617.59	S Kurahaput	Massive S.S.	P_2Cr	A	15	D.B.	A 20 B 70	R	C	M	W	Primary forest
18	NSL18A	572.71	617.81	S Kurahaput	—	P_2Cr	A	10	D.B.	A15 B 70	R	C	M	W	Primary forest
19	NSL19A	572.73	618.03	S Kurahaput	Massive S.S.	P_2Cr	A	20	D.B.	A 25 B 70	R	C	M	W	Primary forest
20	NSL20A	572.62	618.19	S Kurahaput	Massive S.S.	P_2Cr	A	5	D.B.	10 B 70	F	C	M	W	Primary forest
21	NSL21A	572.48	618.32	S Kurahaput	—	P_2Cr	A	5	D.B.	10 B 70	F	C	S	D	Primary forest
22	NSL22A	572.47	618.47	S Kurahaput	—	P_2Cr	A	10	D.B.	A15 B 60	F	C	S	D	Primary forest
23	NSL23A	572.50	618.70	S Kurahaput	—	P_2Cr	A	10	D.B.	10 B 60	F	C	S	D	Primary forest
24	NSL24A	572.46	617.10	S Kitagaian	Massive S.S.	P_2Cr	A	10	D.B.	A15 B 70	F	C	M	W	Primary forest
25	NSL25A	571.64	616.64	S Silu-Silu	Massive S.S.	P_2Cr	A	10	D.B.	10 B 70	R	C	M	W	Primary forest
26	NSL26A	571.94	617.07	S Silu-Silu	—	P_2Cr	A	10	D.B.	A15 B 70	F	C	M	D	Primary forest
27	NSL27A	572.04	617.35	S Silu-Silu	—	Pinos.	A	15	D.B.	A 20 B 80	R	C	M	D	Primary forest
28	NSL28A	572.05	617.60	S Silu-Silu	—	P_2Cr	A	5	D.B.	10 B 70	R	C	S	D	Primary forest
29	NSL29A	571.00	616.70	S Keihang	Massive S.S.	P_2Cr	A	20	D.B.	A 30 B 70	R	C	M	W	Plantation
30	NSL30A	571.22	616.99	S Keihang	Massive S.S.	P_2Cr	A	20	D.B.	A 30 B 70	R	C	M	W	Plantation

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

Area: Nungkok
Sample Media: Soil (A)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
31	NSL31A	571.22	617.40	S Keihang	Massive S.S.	P_2Cr	A	10	D.B.	A 20 B 70	R	C	M	W	Plantation
32	NSL32A	571.32	617.75	S Keihang	Massive S.S.	P_2Cr	A	20	D.B.	A 20 B 70	F	C	S	D	Plantation
33	NSL33A	571.47	617.85	S Keihang	—	P_2Cr	A	10	D.B.	A 20 B 70	R	C	M	W	Plantation
34	NSL34A	570.57	616.84	S Kiguatan	—	Pinos.	A	15	D.B.	A15 B 45	F	C	S	W	Plantation
35	NSL35A	570.55	617.28	S Kiguatan	—	Pinos.	A	10	D.B.	A15 B 70	F	C	S	W	Plantation
36	NSL36A	570.85	617.53	S Kiguatan	—	Pinos.	A	10	D.B.	A15 B 70	R	C	S	W	Plantation
37	NSL37A	571.03	617.89	S Kiguatan	—	P_2Cr	A	20	D.B.	A 30 B 75	F	C	S	W	Plantation
38	NSL38A	571.08	618.11	S Kiguatan	—	P_2Cr	A	15	D.B.	A 25 B 80	R	S	S	W	Plantation
39	NSL39A	571.37	618.36	S Kiguatan	—	P_2Cr	A	10	Y.	A15 B 60	F	C	S	W	Rice field
40	NSL40A	571.17	618.48	S Kiguatan	—	P_2Cr	A	15	D.B.	A 20 B 80	R	C	S	W	Rice field
41	NSL41A	571.28	618.88	S Kiguatan	—	P_2Cr	A	15	D.B.	A 20 B 90	F	C	S	W	Primary forest
42	NSL42A	570.23	617.55	S Kijuhutan	Massive S.S.	P_2Cr	A	5	B.	5 B 85	R	S	M	W	Plantation
43	NSL43A	570.32	617.84	S Kinotoki	S.S & Shale	P_2Cr	A	10	B.G.	A15 B 60	F	C	M	W	Plantation
44	NSL44A	570.46	618.04	S Kinotoki	—	P_2Cr	A	10	D.B.	A15 B 90	F	C	M	W	Plantation
45	NSL45A	570.69	618.26	S Kinotoki	—	P_2Cr	A	10	D.B.	A 20 B 60	R	C	M	W	Plantation
46	NSL46A	570.23	618.06	S Kijuhutan	—	P_2Cr	A	10	D.B.	A15 B 70	R	C	M	W	Plantation
47	NSL47A	570.35	618.48	S Kijuhutan	—	P_2Cr	A	15	D.B.	A 20 B 60C 80	M	C	F	W	Plantation
48	NSL48A	570.41	618.82	S Kijuhutan	Massive S.S.	P_2Cr	A	10	D.B.	A15 B 70	F	C	F	W	Plantation
49	NSL49A	570.59	619.18	S Kijuhutan	—	P_2Cr	A	10	D.B.	A 20 B 50	F	C	M	W	Plantation
50	NSL50A	570.55	619.31	S Kijuhutan	Massive S.S.	P_2Cr	A	10	D.B.	A15 B 60	F	C	M	W	Secondary forest
51	NSL51A	570.77	619.24	S Kijuhutan	Massive S.S.	P_2Cr	A	10	D.B.	A15 B 50	M	S	S	W	Primary forest
52	NSL52A	571.08	619.36	S Kijuhutan	—	P_2Cr	A	10	D.B.	A15 B 60	M	S	M	W	Primary forest
53	NSL53A	570.88	619.79	S Kijuhutan	—	P_2Cr	A	10	D.B.	A 20 B 60	F	C	M	W	Secondary forest
54	NSL54A	569.95	617.56	S Kiulan	—	P_2Cr	A	10	D.G.	10 B 70	M	S	M	W	Plantation
55	NSL55A	569.98	617.99	S Tahubang	S.S & Shale	P_2Cr	A	10	D.B.	10 B 60	M	C	S	W	Plantation
56	NSL56A	569.80	618.36	S Tahubang	Massive S.S.	P_2Cr	A	20	D.B.	A 25 B 100	R	C	M	W	Plantation
57	NSL57A	569.66	618.79	S Tahubang	—	P_2Cr	A	5	D.B.	10 B 55	R	C	M	W	Primary forest
58	NSL58A	569.91	619.02	S Tahubang	Massive S.S.	P_2Cr	A	10	D.B.	A15 B 90	R	C	F	W	Primary forest
59	NSL59A	570.06	619.44	S Tahubang	Brec. S.S.	P_2Cr	A	5	D.B.	10 B 60	R	C	M	W	Primary forest
60	NSL60A	570.24	619.67	S Tahubang	Brec. S.S.	P_2Cr	A	10	D.B.	10 B 50	R	C	S	W	Primary forest

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

Area: Nungkok
Sample Media: Soil (A)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
61	NSL61A	569.65	617.14	S Kadamian	Massive S.S.	P_2Cr	A	5	D.B.	5 B 70	F	S	S	W	Plantation
62	NSL62A	569.62	617.89	S Kiulan	—	P_2Cr	A	10	D.B.	10 B 60	M	C	M	W	Primary forest
63	NSL63A	569.52	619.32	S Tahubang	—	P_2Cr	A	10	D.B.	A15 B 55	R	C	S	W	Primary forest
64	NSL64A	569.66	616.72	Southwest	Massive S.S.	P_2Cr	A	10	D.B.	10 B 60	M	C	S	W	Plantation
65	NSL65A	569.96	616.94	Lobong	—	Pinos.	A	10	B.	10 B 70	F	C	F	W	Plantation
66	NSL66A	570.74	618.70	South	—	Pinos.	A	10	D.B.	A 20 B 60	F	C	S	W	Secondary forest
67	NSL67A	571.61	617.08	West	—	Pinos.	A	5	D.B.	10 B 70	R	C	M	W	Plantation
68	NSL68A	571.73	617.85	Center	—	P_2Cr	A	10	D.B.	A 20 B 70	F	C	M	W	Pantation
69	NSL69A	571.98	618.15	Center	—	P_2Cr	A	10	D.B.	A 20 B 70	F	C	M	D	Rice field
70	NSL70A	571.23	618.17	Center	—	P_2Cr	A	10	B.G.	A 20 B 70	F	C	M	D	Rice field
71	NSL71A	571.54	618.48	Center	—	P_2Cr	A	20	B.	A 25 B 90	F	C	S	W	Primary forest
72	NSL72A	572.18	616.88	West	—	Pinos.	A	15	D.B.	A 20 B 70	R	C	M	D	Primary forest
73	NSL73A	572.34	617.59	Center	—	P_2Cr	A	20	D.B.	A 30 B 70	R	C	M	D	Rice field
74	NSL74A	572.99	618.23	North	—	P_2Cr	A	10	D.B.	A15 B 80	R	C	S	W	Primary forest
75	NSL75A	573.25	617.78	North	Massive S.S.	P_2Cr	A	10	D.B.	A 20 B 50	M	S	M	W	Primary forest
76	NSL76A	573.26	618.28	North	Sili. S.S.	P_2Cr	A	10	B.	A15 B 50	F	C	S	W	Primary forest
77	NSL77A	572.77	618.62	Center	Massive S.S.	P_2Cr	A	10	D.B.	A15 B 60	F	C	S	W	Primary forest
78	NSL78A	572.20	618.91	Center	Massive S.S.	P_2Cr	A	10	D.B.	A15 B 70	F	C	S	W	Primary forest
79	NSL79A	572.57	618.45	Center	—	P_2Cr	A	15	D.B.	A15 B 60	F	C	S	W	Primary forest
80	NSL80A	572.30	618.52	Center	—	P_2Cr	A	10	D.B.	10 B 60	F	C	S	W	Primary forest
81	NSL81A	572.68	618.75	Center	Massive S.S.	P_2Cr	A	10	D.B.	A15 B 60	F	C	S	W	Primary forest
82	NSL82A	572.38	618.81	Center	Massive S.S.	P_2Cr	A	15	D.G.	A 20 B 70	F	C	S	W	Primary forest

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

Area: Nungkok
Sample Media: Soil (B)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
83	NSL01B	573.91	616.52	S Tunghabil	—	P_2Cr	B	30	B.	10 B 55	M	C	S	W	Primary forest
84	NSL02B	573.92	616.76	S Tunghabil	—	P_2Cr	B	40	B.Y.	10 B 65	M	C	S	W	Primary forest
85	NSL03B	573.82	617.06	S Tunghabil	Massive S.S.	P_2Cr	B	60	P.B.	10 B 90	M	C	S	W	Primary forest
86	NSL04B	573.78	617.37	S Tunghabil	Massive S.S.	P_2Cr	B	50	P.B.	10 B 85	F	C	M	W	Primary forest
87	NSL05B	573.53	616.66	S Tunghabil	Massive S.S.	P_2Cr	B	40	P.B.	A 20 B 60	M	C	S	W	Primary forest
88	NSL06B	573.35	616.98	S Tunghabil	Massive S.S.	P_2Cr	B	35	P.B.	A15 B 55	M	C	S	W	Primary forest
89	NSL07B	573.28	617.37	S Tunghabil	S.S & Shale	P_2Cr	B	20	B.	10 B30	R	C	S	W	Primary forest
90	NSL08B	573.19	617.62	S Tunghabil	S.S & Shale	P_2Cr	B	25	P.B.	10 B 55	M	C	S	W	Primary forest
91	NSL09B	573.05	617.86	S Tunghabil	S.S & Shale	P_2Cr	B	20	B.	15 B 50	F	C	M	W	Primary forest
92	NSL10B	573.18	618.18	S Tunghabil	Sili. S.S.	P_2Cr	B	30	B.	A 20 B 50	M	S	S	W	Primary forest
93	NSL11B	573.09	618.04	S Tunghabil	Sili. S.S.Py	P_2Cr	B	20	B.	A 20 B 60	M	S	S	W	Primary forest
94	NSL12B	572.42	616.46	S Kurahaput	Massive S.S.	P_2Cr	B	40	B.G.	A 30 B 70	R	C	M	W	Primary forest
95	NSL13B	572.52	616.79	S Kurahaput	Massive S.S.	P_2Cr	B	30	B.G.	A15 B 70	F	C	F	W	Primary forest
96	NSL14B	572.61	617.02	S Kurahaput	—	P_2Cr	B	30	B.	A15 B 70	F	C	M	W	Primary forest
97	NSL15B	572.72	617.23	S Kurahaput	Massive S.S.	P_2Cr	B	30	B.	A15 B 70	F	C	M	W	Primary forest
98	NSL16B	572.72	617.40	S Kurahaput	—	P_2Cr	B	30	B.	A 20 B 70	F	C	M	W	Primary forest
99	NSL17B	572.70	617.59	S Kurahaput	Massive S.S.	P_2Cr	B	30	D.B.	A 20 B 70	F	C	M	W	Primary forest
100	NSL18B	572.71	617.81	S Kurahaput	—	P_2Cr	B	30	D.B.	A15 B 70	F	C	M	W	Primary forest
101	NSL19B	572.73	618.03	S Kurahaput	Massive S.S.	P_2Cr	B	30	B.	A 25 B 70	F	C	M	W	Primary forest
102	NSL20B	572.62	618.19	S Kurahaput	Massive S.S.	P_2Cr	B	30	B.	10 B 70	F	C	M	W	Primary forest
103	NSL21B	572.48	618.32	S Kurahaput	—	P_2Cr	B	30	B.	10 B 70	F	C	S	W	Primary forest
104	NSL22B	572.47	618.47	S Kurahaput	—	P_2Cr	B	25	B.	A15 B 60	F	C	S	W	Primary forest
105	NSL23B	572.50	618.70	S Kurahaput	—	P_2Cr	B	25	B.	10 B 60	F	C	S	W	Primary forest
106	NSL24B	572.46	617.10	S Kitagaian	Massive S.S.	P_2Cr	B	20	B.G.	A15 B 70	F	C	M	W	Primary forest
107	NSL25B	571.64	616.64	S Silu-Silu	Massive S.S.	P_2Cr	B	40	B.G.	10 B 70	F	C	M	W	Primary forest
108	NSL26B	571.94	617.07	S Silu-Silu	—	P_2Cr	B	35	B.G.	A15 B 70	F	C	M	W	Primary forest
109	NSL27B	572.04	617.35	S Silu-Silu	—	Pinos.	B	40	B.G.	A 20 B 60	F	C	M	W	Primary forest
110	NSL28B	572.05	617.60	S Silu-Silu	—	P_2Cr	B	30	B.G.	10 B 70	F	C	S	W	Primary forest
111	NSL29B	571.00	616.70	S Keihang	Massive S.S.	P_2Cr	B	40	B.	A 30 B 70	F	C	M	W	Plantation
112	NSL30B	571.22	616.99	S Keihang	Massive S.S.	P_2Cr	B	40	B.	A 30 B 70	F	C	M	W	Plantation

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

Area: Nungkok
Sample Media: Soil (B)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
113	NSL31B	571.22	617.40	S Keihang	Massive S.S.	P_2Cr	B	40	B.	A 20 B 70	F	C	M	W	Plantation
114	NSL32B	571.32	617.75	S Keihang	Massive S.S.	P_2Cr	B	40	B.	A 20 B 70	F	C	S	W	Plantation
115	NSL33B	571.47	617.85	S Keihang	—	P_2Cr	B	40	B.	A 20 B 70	F	C	M	W	Plantation
116	NSL34B	570.57	616.84	S Kiguatan	—	Pinos.	B	25	Y.B.	A15 B 45	F	C	S	W	Plantation
117	NSL35B	570.55	617.28	S Kiguatan	—	Pinos.	B	40	R.B.	A15 B 70	F	C	S	W	Plantation
118	NSL36B	570.85	617.53	S Kiguatan	—	Pinos.	B	40	R.B.	A15 B 70	F	C	S	W	Plantation
119	NSL37B	571.03	617.89	S Kiguatan	—	P_2Cr	B	40	Y.B.	A 30 B 75	R	C	S	W	Plantation
120	NSL38B	571.08	618.11	S Kiguatan	—	P_2Cr	B	55	Y.	A 25 B 80	F	S	S	W	Plantation
121	NSL39B	571.37	618.36	S Kiguatan	—	P_2Cr	B	45	G.	A15 B 60	F	C	S	W	Rice field
122	NSL40B	571.17	618.48	S Kiguatan	—	P_2Cr	B	60	Y.B.	A 20 B 80	F	C	S	W	Rice field
123	NSL41B	571.28	618.88	S Kiguatan	—	P_2Cr	B	65	B.	A 20 B 90	F	C	S	W	Primary forest
124	NSL42B	570.23	617.55	S Kijuhutan	Massive S.S.	P_2Cr	B	30	B.G.	5 B 65	R	S	M	W	Plantation
125	NSL43B	570.32	617.84	S Kinotoki	S.S & Shale	P_2Cr	B	30	B.	A15 B 60	F	C	M	W	Plantation
126	NSL44B	570.46	618.04	S Kinotoki	—	P_2Cr	B	30	Y.B.	A15 B 90	F	C	M	W	Plantation
127	NSL45B	570.69	618.26	S Kinotoki	—	P_2Cr	B	30	Y.B.	A 20 B 60	R	C	M	W	Plantation
128	NSL46B	570.23	618.06	S Kijuhutan	—	P_2Cr	B	35	B.	A15 B 70	R	C	M	W	Plantation
129	NSL47B	570.35	618.48	S Kijuhutan	—	P_2Cr	B	30	B.	A 20 B 60C 80	M	C	F	W	Plantation
130	NSL48B	570.41	618.82	S Kijuhutan	Massive S.S.	P_2Cr	B	30	B.	A15 B 70	F	C	F	W	Plantation
131	NSL49B	570.59	619.18	S Kijuhutan	—	P_2Cr	B	20	Y.B.	A 20 B 50	F	C	M	W	Plantation
132	NSL50B	570.55	619.31	S Kijuhutan	Massive S.S.	P_2Cr	B	30	B.	A15 B 60	F	C	M	W	Secondary forest
133	NSL51B	570.77	619.24	S Kijuhutan	Massive S.S.	P_2Cr	B	30	B.	A15 B 50	M	S	S	W	Primary forest
134	NSL52B	571.08	619.36	S Kijuhutan	—	P_2Cr	B	35	B.	A15 B 60	M	S	M	W	Primary forest
135	NSL53B	570.88	619.79	S Kijuhutan	—	P_2Cr	B	30	Y.B.	A 20 B 60	F	C	M	W	Secondary forest
136	NSL54B	569.95	617.56	S Kiulan	—	P_2Cr	B	30	R.G.	10 B 70	M	S	M	W	Plantation
137	NSL55B	569.98	617.99	S Tahubang	S.S & Shale	P_2Cr	B	45	R.Y.	10 B 60	M	C	S	W	Plantation
138	NSL56B	569.80	618.36	S Tahubang	Massive S.S.	P_2Cr	B	60	P.B.	A 25 B 100	R	C	M	W	Plantation
139	NSL57B	569.66	618.79	S Tahubang	—	P_2Cr	B	35	D.B.	10 B 55	R	C	M	W	Primary forest
140	NSL58B	569.91	619.02	S Tahubang	Massive S.S.	P_2Cr	B	55	B.	A15 B 90	R	C	F	W	Primary forest
141	NSL59B	570.06	619.44	S Tahubang	Brec. S.S.	P_2Cr	B	25	P.B.	10 B 50	F	C	M	W	Primary forest
142	NSL60B	570.24	619.67	S Tahubang	Brec. S.S.	P_2Cr	B	30	B.	10 B 60	R	C	S	W	Primary forest

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

Area: Nungkok
Sample Media: Soil (B)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
143	NSL61B	569.65	617.14	S Kadamian	Massive S.S.	P_2Cr	B	40	P.B.	5 B 70	F	S	S	W	Plantation
144	NSL62B	569.62	617.89	S Kiulan	—	P_2Cr	B	30	B.G.	10 B 60	M	C	M	W	Primary forest
145	NSL63B	569.52	619.32	S Tahubang	—	P_2Cr	B	30	D.B.	A15 B 55	F	C	S	W	Primary forest
146	NSL64B	569.66	616.72	Southwest	Massive S.S.	P_2Cr	B	35	P.B.	10 B 60	M	C	S	W	Plantation
147	NSL65B	569.96	616.94	Lobong	—	Pinos.	B	35	B.	10 B 70	F	C	F	W	Plantation
148	NSL66B	570.74	618.70	South	—	Pinos.	B	30	B.	A 20 B 60	F	C	S	W	Secondary forest
149	NSL67B	571.61	617.08	West	—	Pinos.	B	40	B.G.	10 B 70	F	C	M	W	Plantation
150	NSL68B	571.73	617.85	Center	—	P_2Cr	B	40	B.	A 20 B 70	F	C	M	W	Pantation
151	NSL69B	571.98	618.15	Center	—	P_2Cr	B	40	B.	A 20 B 70	F	C	M	W	Rice field
152	NSL70B	571.23	618.17	Center	—	P_2Cr	B	40	B.	A 20 B 70	F	C	M	W	Rice field
153	NSL71B	571.54	618.48	Center	—	P_2Cr	B	65	G.	A 25 B 90	F	C	S	W	Primary forest
154	NSL72B	572.18	616.88	West	—	Pinos.	B	40	G.B.	A 20 B 70	R	C	M	W	Primary forest
155	NSL73B	572.34	617.59	Center	—	P_2Cr	B	40	B.G.	A 30 B 70	R	C	M	D	Rice field
156	NSL74B	572.99	618.23	North	—	P_2Cr	B	50	R.B.	A15 B 80	R	C	S	W	Primary forest
157	NSL75B	573.25	617.78	North	Massive S.S.	P_2Cr	B	30	B.	A 20 B 50	M	S	M	W	Primary forest
158	NSL76B	573.26	618.28	North	Sili. S.S.	P_2Cr	B	30	B.	A15 B 50	F	C	S	W	Primary forest
159	NSL77B	572.77	618.62	Center	Massive S.S.	P_2Cr	B	30	B.	A15 B 60	F	C	S	W	Primary forest
160	NSL78B	572.20	618.91	Center	Massive S.S.	P_2Cr	B	30	B.	A15 B 70	M	C	S	W	Primary forest
161	NSL79B	572.57	618.45	Center	—	P_2Cr	B	30	B.	A15 B 60	F	C	S	W	Primary forest
162	NSL80B	572.30	618.52	Center	—	P_2Cr	B	30	B.	10 B 60	M	C	S	W	Primary forest
163	NSL81B	572.68	618.75	Center	Massive S.S.	P_2Cr	B	25	B.	A15 B 80	M	C	S	W	Primary forest
164	NSL82B	572.38	618.81	Center	Massive S.S.	P_2Cr	B	30	B.	A 20 B 70	M	C	S	W	Primary forest

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

Area: Nungkok
Sample Media: Soil (C)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
165	NSL01C	573.91	616.52	S Tunghabil	—	P_2Cr	B	50	Y.B.	10 B 55	R	C	S	W	Primary forest
166	NSL02C	573.92	616.76	S Tunghabil	—	P_2Cr	B	60	Y.B.	10 B 85	M	C	S	W	Primary forest
167	NSL03C	573.82	617.06	S Tunghabil	Massive S.S.	P_2Cr	B	80	P.B.	10 B 90	M	C	S	W	Primary forest
168	NSL04C	573.78	617.37	S Tunghabil	Massive S.S.	P_2Cr	B	70	Y.B.	10 B 85	F	C	M	W	Primary forest
169	NSL05C	573.53	616.66	S Tunghabil	Massive S.S.	P_2Cr	B	50	Y.B.	A 20 B 80	M	C	S	W	Primary forest
170	NSL06C	573.35	616.98	S Tunghabil	Massive S.S.	P_2Cr	B	45	P.B.	A15 B 55	M	C	S	W	Primary forest
171	NSL07C	573.28	617.37	S Tunghabil	S.S & Shale	P_2Cr	B	25	P.B.	10 B80	M	C	S	W	Primary forest
172	NSL08C	573.19	617.62	S Tunghabil	S.S & Shale	P_2Cr	B	45	P.B.	10 B 55	M	C	S	W	Primary forest
173	NSL09C	573.05	617.86	S Tunghabil	S.S & Shale	P_2Cr	B	40	Y.B.	15 B 50	F	C	M	W	Primary forest
174	NSL10C	573.18	618.18	S Tunghabil	Sili. S.S.	P_2Cr	B	45	B.	A 20 B 50	M	S	S	W	Primary forest
175	NSL11C	573.09	618.04	S Tunghabil	Sili. S.S.Py	P_2Cr	B	50	B.	A 20 B 80	M	S	S	W	Primary forest
176	NSL12C	572.42	616.46	S Kurahaput	Massive S.S.	P_2Cr	B	60	B.G.	A 30 B 70	F	C	M	W	Primary forest
177	NSL13C	572.52	616.79	S Kurahaput	Massive S.S.	P_2Cr	B	60	B.G.	A15 B 70	F	C	F	W	Primary forest
178	NSL14C	572.61	617.02	S Kurahaput	—	P_2Cr	B	60	B.	A15 B 70	F	C	M	W	Primary forest
179	NSL15C	572.72	617.23	S Kurahaput	Massive S.S.	P_2Cr	B	60	B.	A15 B 70	F	C	M	W	Primary forest
180	NSL16C	572.72	617.40	S Kurahaput	—	P_2Cr	B	60	B.	A 20 B 70	F	C	M	W	Primary forest
181	NSL17C	572.70	617.59	S Kurahaput	Massive S.S.	P_2Cr	B	60	B.G.	A 20 B 70	M	C	M	W	Primary forest
182	NSL18C	572.71	617.81	S Kurahaput	—	P_2Cr	B	60	B.G.	A15 B 70	F	C	M	W	Primary forest
183	NSL19C	572.73	618.03	S Kurahaput	Massive S.S.	P_2Cr	B	60	B.G.	A 25 B 70	F	C	M	W	Primary forest
184	NSL20C	572.62	618.19	S Kurahaput	Massive S.S.	P_2Cr	B	60	B.	10 B 70	F	C	M	W	Primary forest
185	NSL21C	572.48	618.32	S Kurahaput	—	P_2Cr	B	60	B.	10 B 70	F	C	S	W	Primary forest
186	NSL22C	572.47	618.47	S Kurahaput	—	P_2Cr	B	55	B.	A15 B 60	F	C	S	W	Primary forest
187	NSL23C	572.50	618.70	S Kurahaput	—	P_2Cr	B	55	B.	10 B 60	M	C	S	W	Primary forest
188	NSL24C	572.46	617.10	S Kitagaian	Massive S.S.	P_2Cr	B	60	B.G.	A15 B 70	F	C	M	W	Primary forest
189	NSL25C	571.64	616.64	S Silu-Silu	Massive S.S.	P_2Cr	B	60	B.G.	10 B 70	F	C	M	W	Primary forest
190	NSL26C	571.94	617.07	S Silu-Silu	—	P_2Cr	B	60	B.G.	A15 B 70	F	C	M	W	Primary forest
191	NSL27C	572.04	617.35	S Silu-Silu	—	Pinos.	B	70	B.G.	A 20 B 80	F	C	M	W	Primary forest
192	NSL28C	572.05	617.60	S Silu-Silu	—	P_2Cr	B	60	B.G.	10 B 70	F	C	S	W	Primary forest
193	NSL29C	571.00	616.70	S Keihang	Massive S.S.	P_2Cr	B	60	Y.B.	A 30 B 70	F	C	M	W	Plantation
194	NSL30C	571.22	616.99	S Keihang	Massive S.S.	P_2Cr	B	60	B.	A 30 B 70	M	C	M	W	Plantation

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

Area: Nungkok
Sample Media: Soil (C)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
195	NSL31C	571.22	617.40	S Keihang	Massive S.S.	P_2Cr	B	60	B.	A 20 B 70	F	C	M	W	Plantation
196	NSL32C	571.32	617.75	S Keihang	Massive S.S.	P_2Cr	B	60	B.	A 20 B 70	M	C	S	W	Plantation
197	NSL33C	571.47	617.85	S Keihang	—	P_2Cr	B	60	Y.B.	A 20 B 70	F	C	M	W	Plantation
198	NSL34C	570.57	616.84	S Kiguatan	—	Pinos.	B	35	Y.B.	A15 B 45	F	C	S	W	Plantation
199	NSL35C	570.55	617.28	S Kiguatan	—	Pinos.	B	60	D.B.	A15 B 70	F	C	S	W	Plantation
200	NSL36C	570.85	617.53	S Kiguatan	—	Pinos.	B	60	R.Y.	A15 B 70	F	C	S	W	Plantation
201	NSL37C	571.03	617.89	S Kiguatan	—	P_2Cr	B	60	Y.	A 30 B 75	R	C	S	W	Plantation
202	NSL38C	571.08	618.11	S Kiguatan	—	P_2Cr	B	70	R.Y.	A 25 B 80	M	S	S	W	Plantation
203	NSL39C	571.37	618.36	S Kiguatan	—	P_2Cr	B	55	Y.G.	A15 B 60	F	C	S	W	Rice field
203	NSL40C	571.17	618.48	S Kiguatan	—	P_2Cr	B	75	Y.	A 20 B 80	M	C	S	W	Rice field
205	NSL41C	571.28	618.88	S Kiguatan	—	P_2Cr	B	85	B.	A 20 B 90	M	C	S	W	Primary forest
206	NSL42C	570.23	617.55	S Kijuhutan	Massive S.S.	P_2Cr	B	60	B.G.	5 B 65	R	S	M	W	Plantation
207	NSL43C	570.32	617.84	S Kinotoki	S.S & Shale	P_2Cr	B	50	Y.B.	A15 B 60	F	C	M	W	Plantation
208	NSL44C	570.46	618.04	S Kinotoki	—	P_2Cr	B	80	Y.B.	A15 B 90	F	C	M	W	Plantation
209	NSL45C	570.69	618.26	S Kinotoki	—	P_2Cr	B	50	Y.B.	A 20 B 60	R	C	M	W	Plantation
210	NSL46C	570.23	618.06	S Kijuhutan	—	P_2Cr	B	60	Y.B.	A15 B 70	R	C	M	W	Plantation
211	NSL47C	570.35	618.48	S Kijuhutan	—	P_2Cr	B	50	Y.B.	A 20 B 60C 80	M	C	F	W	Plantation
212	NSL48C	570.41	618.82	S Kijuhutan	Massive S.S.	P_2Cr	B	60	Y.B.	A15 B 70	F	C	F	W	Plantation
213	NSL49C	570.59	619.18	S Kijuhutan	—	P_2Cr	B	40	Y.B.	A 20 B 50	F	C	M	W	Plantation
214	NSL50C	570.55	619.31	S Kijuhutan	Massive S.S.	P_2Cr	B	50	Y.B.	A15 B 60	F	C	M	W	Secondary forest
215	NSL51C	570.77	619.24	S Kijuhutan	Massive S.S.	P_2Cr	B	40	B.	A15 B 50	M	S	S	W	Primary forest
216	NSL52C	571.08	619.36	S Kijuhutan	—	P_2Cr	B	50	Y.B.	A15 B 60	M	S	M	W	Primary forest
217	NSL53C	570.88	619.79	S Kijuhutan	—	P_2Cr	B	50	Y.B.	A 20 B 60	F	C	M	W	Secondary forest
218	NSL54C	569.95	617.56	S Kiulan	—	P_2Cr	B	60	R.B.	10 B 70	M	S	M	W	Plantation
219	NSL55C	569.98	617.99	S Tahubang	S.S & Shale	P_2Cr	B	55	R.B.	10 B 60	M	C	S	W	Plantation
220	NSL56C	569.80	618.36	S Tahubang	Massive S.S.	P_2Cr	B	80	Y.B.	A 25 B 100	M	C	M	W	Plantation
221	NSL57C	569.66	618.79	S Tahubang	—	P_2Cr	B	45	B.	10 B 55	F	C	M	W	Primary forest
222	NSL58C	569.91	619.02	S Tahubang	Massive S.S.	P_2Cr	B	75	P.B.	A15 B 90	M	C	F	W	Primary forest
223	NSL59C	570.06	619.44	S Tahubang	Brec. S.S.	P_2Cr	B	45	Y.B.	10 B 50	M	C	M	W	Primary forest
224	NSL60C	570.24	619.67	S Tahubang	Brec. S.S.	P_2Cr	B	45	P.B.	10 B 50	R	C	S	W	Primary forest

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

Area: Nungkok
Sample Media: Soil (C)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
225	NSL61C	569.65	617.14	S Kadamian	Massive S.S.	P_2Cr	B	60	P.B.	5 B 70	F	S	S	W	Plantation
226	NSL62C	569.62	617.89	S Kiulan	—	P_2Cr	B	50	B.G.	10 B 60	M	C	M	W	Primary forest
227	NSL63C	569.52	619.32	S Tahubang	—	P_2Cr	B	50	P.B.	A15 B 55	M	C	S	W	Primary forest
228	NSL64C	569.66	616.72	Southwest	Massive S.S.	P_2Cr	B	50	P.B.	10 B 60	M	C	S	W	Plantation
229	NSL65C	569.96	616.94	Lobong	—	Pinos.	B	60	B.	10 B 70	F	C	F	W	Plantation
230	NSL66C	570.74	618.70	South	—	Pinos.	B	50	B.	A 20 B 60	F	C	S	W	Secondary forest
231	NSL67C	571.61	617.08	West	—	Pinos.	B	60	B.G.	10 B 70	F	C	M	W	Plantation
232	NSL68C	571.73	617.85	Center	—	P_2Cr	B	60	B.Y.	A 20 B 70	F	C	M	W	Pantation
233	NSL69C	571.98	618.15	Center	—	P_2Cr	B	60	B.	A 20 B 70	F	C	M	W	Rice field
234	NSL70C	571.23	618.17	Center	—	P_2Cr	B	60	P.B.	A 20 B 70	F	C	M	W	Rice field
235	NSL71C	571.54	618.48	Center	—	P_2Cr	B	85	G.	A 25 B 90	F	C	S	W	Primary forest
236	NSL72C	572.18	616.88	West	—	Pinos.	B	60	R.B.	A 20 B 70	F	C	M	W	Primary forest
237	NSL73C	572.34	617.59	Center	—	P_2Cr	B	60	B.G.	A 30 B 70	R	C	M	D	Rice field
238	NSL74C	572.99	618.23	North	—	P_2Cr	B	70	Y.B.	A15 B 80	F	C	S	W	Primary forest
239	NSL75C	573.25	617.78	North	Massive S.S.	P_2Cr	B	40	Y.B.	A 20 B 50	M	S	M	W	Primary forest
240	NSL76C	573.26	618.28	North	Sili. S.S.	P_2Cr	B	40	B.	A15 B 50	F	C	S	W	Primary forest
241	NSL77C	572.77	618.62	Center	Massive S.S.	P_2Cr	B	55	B.	A15 B 60	M	C	S	W	Primary forest
242	NSL78C	572.20	618.91	Center	Massive S.S.	P_2Cr	B	60	B.	A15 B 70	M	C	S	W	Primary forest
243	NSL79C	572.57	618.45	Center	—	P_2Cr	B	55	B.	A15 B 60	M	C	S	W	Primary forest
244	NSL80C	572.30	618.52	Center	—	P_2Cr	B	55	B.	10 B 60	M	C	S	W	Primary forest
245	NSL81C	572.68	618.75	Center	Massive S.S.	P_2Cr	B	50	B.	A15 B 60	M	C	S	W	Primary forest
246	NSL82C	572.38	618.81	Center	Massive S.S.	P_2Cr	B	60	B.	A 20 B 70	M	C	S	W	Primary forest

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

Area: Bidu Bidu Hill
Sample Media: Soil (A)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
1	BSL01A	549.10	712.31	Northeast	—	KPCs	A	10	D.B.	A 20 B 70	R	C	F	W	Secondary forest
2	BSL02A	548.94	712.57	Northeast	—	KPCs	A	5	D.B.	10 B 60	R	C	F	W	Secondary forest
3	BSL03A	549.01	712.84	Northeast	—	KPCs	A	5	D.B.	10 B 60	R	C	F	W	Secondary forest
4	BSL04A	548.94	712.33	Northeast	—	KPCs	A	10	D.B.	A 20 B 70	R	C	F	W	Secondary forest
5	BSL05A	549.09	712.02	Camp	—	KPCs	A	10	D.B.	A 20 B 70	R	C	F	W	Secondary forest
6	BSL06A	549.17	711.90	Camp	—	KPCs	A	5	D.B.	10 B 60	R	C	F	W	Secondary forest
7	BSL07A	549.27	711.60	North	—	KPCs	A	10	D.B.	A 20 B 70	R	C	F	W	Secondary forest
8	BSL08A	549.41	711.48	North	—	Ub	A	5	D.B.	10 B 60	F	C	M	W	Secondary forest
9	BSL09A	548.93	711.28	Camp	—	KPCs	A	10	D.B.	A 20 B 70	R	C	F	W	Secondary forest
10	BSL10A	549.02	711.03	Camp	—	KPCs	A	15	D.B.	A 30 B 70	R	C	F	W	Secondary forest
11	BSL11A	548.89	710.70	Northwest	—	KPCs	A	10	D.B.	A 20 B 70	R	C	F	W	Secondary forest
12	BSL12A	548.69	710.57	Northwest	—	KPCs	A	10	D.B.	A 20 B 70	F	C	F	W	Secondary forest
13	BSL13A	548.70	710.36	Northwest	—	KPCs	A	10	D.B.	A 20 B 70	F	S	M	W	Secondary forest
14	BSL14A	548.88	710.21	Northwest	Basalt lava	KPCs	A	10	D.B.	A 20 B 70	R	C	M	W	Secondary forest
15	BSL15A	548.56	710.49	Northwest	—	KPCs	A	10	D.B.	A 20 B 60	F	C	M	W	Secondary forest
16	BSL16A	548.57	709.88	Northwest	Basalt lava	KPCs	A	10	D.B.	A15 B 50	R	C	F	W	Secondary forest
17	BSL17A	548.41	710.04	Northwest	Basalt lava	KPCs	A	10	D.B.	A15 B 60	R	C	S	W	Primary forest
18	BSL18A	548.17	710.28	Northwest	—	KPCs	A	10	D.B.	A15 B 50	R	C	F	W	Secondary forest
19	BSL19A	548.01	710.23	West	Sandstone	KPCs	A	10	B.	A15 B 60	R	C	M	W	Secondary forest
20	BSL20A	548.01	709.84	West	—	KPCs	A	10	D.B.	A15 B 70	R	C	F	W	Primary forest
21	BSL21A	547.69	710.03	West	—	KPCs	A	10	D.B.	A15 B 70	R	C	F	W	Primary forest
22	BSL22A	547.70	710.28	West	—	KPCs	A	5	G.B.	10 B 50	F	C	F	W	Secondary forest
23	BSL23A	547.52	710.14	West	—	KPCs	A	10	D.B.	A15 B 60	R	C	F	W	Secondary forest
24	BSL24A	547.37	710.05	West	—	KPCs	A	10	D.B.	A15 B 65	R	C	F	W	Secondary forest
25	BSL25A	547.07	709.99	West	Basalt lava	KPCs	A	5	D.B.	10 B 60	R	C	M	W	Primary forest
26	BSL26A	546.78	709.80	West	Basalt lava	KPCs	A	5	D.B.	10 B 50	R	C	F	W	Secondary forest
27	BSL27A	546.60	709.56	West	—	KPCs	A	10	D.B.	A15 B 60	R	C	F	W	Secondary forest
28	BSL28A	547.58	710.44	Center	—	KPCs	A	10	D.B.	A15 B 55	F	C	F	W	Secondary forest
29	BSL29A	547.72	710.48	Center	—	KPCs	A	10	D.B.	A15 B 60	R	C	F	W	Secondary forest
30	BSL30A	547.78	710.74	Center	Basalt brec.	KPCs	A	5	D.B.	10 B 60	R	C	F	W	Primary forest

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

Area: Bidu Bidu Hill
Sample Media: Soil (A)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
31	BSL31A	547.86	711.06	Center	Basalt lava	KPCs	A	5	D.B.	10 B 60	R	C	F	W	Primary forest
32	BSL32A	547.75	711.35	Center	Microgabbro	Gb	A	5	D.B.	10 B 60	R	C	F	W	Secondary forest
33	BSL33A	547.57	711.62	Center	—	Gb	A	10	D.B.	A15 B 65	R	C	F	W	Secondary forest
34	BSL34A	547.40	711.90	Center	—	KPCs	A	15	D.B.	A 30 B 60	R	C	M	W	Secondary forest
35	BSL35A	547.17	711.97	S Sualog	—	KPCs	A	5	D.B.	10 B 50	R	C	M	W	Primary forest
36	BSL36A	546.97	711.68	S Sualog	—	KPCs	A	5	D.B.	10 B 55	R	C	F	W	Primary forest
37	BSL37A	546.85	711.87	S Sualog	—	KPCs	A	10	D.B.	A15 B 60	R	C	M	W	Primary forest
38	BSL38A	546.91	711.35	S Sualog	—	KPCs	A	10	D.B.	A15 B 65	R	C	F	W	Primary forest
39	BSL39A	546.72	711.37	S Sualog	—	KPCs	A	10	D.B.	A15 B 50	R	C	F	W	Primary forest
40	BSL40A	546.53	711.46	S Sualog	—	KPCs	A	10	D.B.	A15 B 60	R	C	F	W	Primary forest
41	BSL41A	546.37	711.14	S Sualog	—	KPCs	A	10	D.B.	A15 B 65	R	C	M	W	Primary forest
42	BSL42A	546.32	710.87	S Sualog	—	KPCs	A	5	D.B.	10 B 60	R	C	F	W	Primary forest
43	BSL43A	546.21	710.64	S Sualog	—	Ub	A	5	D.B.	10 B 50	R	C	F	W	Primary forest
44	BSL44A	546.08	710.47	S Sualog	—	KPCs	A	3	D.B.	5 B 30	R	C	F	W	Primary forest
45	BSL45A	545.97	710.22	S Sualog	—	KPCs	A	3	B.	5 B 50	R	C	F	W	Primary forest
46	BSL46A	546.21	710.28	S Sualog	—	KPCs	A	3	D.B.	5 B 50	R	C	M	W	Primary forest
47	BSL47A	546.48	710.39	S Sualog	—	KPCs	A	3	D.B.	5 B 55	R	C	M	W	Primary forest
48	BSL48A	546.06	709.86	S Sualog	—	KPCs	A	10	D.B.	A15 B 55	R	C	F	W	Primary forest
49	BSL49A	545.92	709.53	S Sualog	—	KPCs	A	3	D.B.	5 B 40	R	C	F	W	Primary forest
50	BSL50A	545.78	710.35	Southwest	—	KPCs	A	5	D.B.	10 B 55	R	C	F	W	Primary forest
51	BSL51A	545.62	709.85	Southwest	—	KPCs	A	3	D.B.	5 B 55	R	C	F	W	Primary forest
52	BSL52A	545.41	709.77	Southwest	—	KPCs	A	3	D.B.	5 B 45	R	C	F	W	Primary forest
53	BSL53A	545.26	709.56	Southwest	—	KPCs	A	3	D.B.	5 B 45	R	C	F	W	Primary forest
54	BSL54A	547.40	712.15	S Sualog	—	KPCs	A	10	D.B.	A 20 B 60	R	C	F	W	Secondary forest
55	BSL55A	547.66	712.29	S Sualog	—	Ub	A	15	D.B.	A 30 B 70	R	C	F	W	Secondary forest
56	BSL56A	547.94	712.08	S Sualog	—	KPCs	A	5	D.B.	10 B 60	F	C	F	W	Secondary forest
57	BSL57A	547.81	712.55	S Sualog	—	KPCs	A	5	D.B.	10 B 70	R	C	F	W	Secondary forest
58	BSL58A	548.04	712.70	S Sualog	—	KPCs	A	10	D.B.	A 20 B 60	R	C	F	W	Secondary forest
59	BSL59A	548.58	712.11	Northeast	—	KPCs	A	5	D.B.	10 B 60	R	C	F	W	Secondary forest
60	BSL60A	545.62	711.72	Southeast	—	Ub	A	10	D.B.	A15 B 60	F	C	M	W	Secondary forest

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

Area: Bidu Bidu Hill
Sample Media: Soil (A)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
61	BSL61A	545.70	712.06	Southeast	Basalt lava	KPCs	A	5	D.B.	A15 B 60	R	C	M	W	Secondary forest
62	BSL62A	545.86	712.07	Southeast	—	KPCs	A	10	D.B.	A 20 B 70	F	C	M	W	Secondary forest
63	BSL63A	545.89	712.50	Southeast	—	KPCs	A	15	D.B.	A 20 B 65	R	C	M	W	Secondary forest
64	BSL64A	545.64	712.42	Southeast	—	KPCs	A	10	D.B.	A 20 B 60	R	C	M	W	Secondary forest
65	BSL65A	545.67	712.74	Southeast	—	Ub	A	10	D.B.	A 20 B 70	R	C	M	W	Secondary forest
66	BSL66A	545.63	712.97	Southeast	—	Ub	A	15	D.B.	A 20 B 60	R	C	M	W	Secondary forest
67	BSL67A	548.78	712.15	S. of camp	—	KPCs	A	10	D.B.	A 20 B 70	F	C	M	W	Secondary forest
68	BSL68A	548.48	711.71	S. of camp	—	KPCs	A	5	D.B.	10 B 55	R	C	M	W	Primary forest
69	BSL69A	548.55	711.04	S. of camp	—	KPCs	A	3	B.	5 B 45	R	C	M	W	Primary forest
70	BSL70A	548.25	711.27	S. of camp	—	KPCs	A	3	D.B.	5 B 45	R	C	F	W	Primary forest
71	BSL71A	548.19	711.60	S. of camp	—	KPCs	A	5	D.B.	10 B 45	R	C	M	W	Primary forest
72	BSL72A	547.51	710.88	Center	—	KPCs	A	3	D.B.	5 B 55	R	C	M	W	Primary forest
73	BSL73A	547.29	711.39	Center	—	KPCs	A	3	D.B.	5 B 50	R	C	S	W	Primary forest
74	BSL74A	546.93	710.87	Center	—	KPCs	A	3	D.B.	5 B 55	R	C	M	W	Primary forest
75	BSL75A	547.11	710.36	Center	—	KPCs	A	3	D.B.	5 B 50	R	C	M	W	Primary forest
76	BSL76A	546.55	710.62	Center	—	KPCs	A	5	D.B.	10 B 80	R	C	M	W	Primary forest
77	BSL77A	546.65	710.14	West	—	KPCs	A	10	B.	A15 B 55	R	C	S	W	Primary forest
78	BSL78A	547.32	712.51	East	—	Ub	A	10	D.B.	A 20 B 60	R	C	M	W	Secondary forest
79	BSL79A	546.87	712.79	East	—	Ub	A	5	D.B.	10 B 60	F	S	M	W	Secondary forest
80	BSL80A	547.02	712.27	East	—	KPCs	A	10	D.B.	A 20 B 60	R	C	M	W	Secondary forest
81	BSL81A	546.27	712.20	Southeast	—	KPCs	A	20	D.B.	A 30 B 70	R	C	M	W	Secondary forest
82	BSL82A	546.20	711.73	Southeast	—	KPCs	A	10	D.G.	A 20 B 60	R	C	M	W	Secondary forest

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

Area: Bidu Bidu Hill
Sample Media: Soil (B)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
83	BSL01B	549.10	712.31	Northeast	—	KPCs	B	30	R.B.	A 20 B 70	R	C	F	W	Secondary forest
84	BSL02B	548.94	712.57	Northeast	—	KPCs	B	30	B.	10 B 60	R	C	F	W	Secondary forest
85	BSL03B	549.01	712.84	Northeast	—	KPCs	B	25	D.B.	10 B 60	F	S	F	W	Secondary forest
86	BSL04B	548.94	712.33	Northeast	—	KPCs	B	30	D.B.	A 20 B 70	R	C	F	W	Secondary forest
87	BSL05B	549.09	712.02	Camp	—	KPCs	B	35	P.B.	A 20 B 70	R	C	F	W	Secondary forest
88	BSL06B	549.17	711.90	Camp	—	KPCs	B	30	D.B.	10 B 60	R	C	F	W	Secondary forest
89	BSL07B	549.27	711.60	North	—	KPCs	B	30	D.B.	A 20 B 70	R	C	F	W	Secondary forest
90	BSL08B	549.41	711.48	North	—	Ub	B	25	D.B.	10 B 60	F	S	M	W	Secondary forest
91	BSL09B	548.93	711.28	Camp	—	KPCs	B	30	D.B.	A 20 B 70	R	C	F	W	Secondary forest
92	BSL10B	549.02	711.03	Camp	—	KPCs	B	40	D.B.	A 30 B 70	R	C	F	W	Secondary forest
93	BSL11B	548.89	710.70	Northwest	—	KPCs	B	30	D.B.	A 20 B 70	R	C	F	W	Secondary forest
94	BSL12B	548.69	710.57	Northwest	—	KPCs	B	30	D.B.	A 20 B 70	F	S	F	W	Secondary forest
95	BSL13B	548.70	710.36	Northwest	—	KPCs	B	30	D.B.	A 20 B 70	F	S	M	W	Secondary forest
96	BSL14B	548.88	710.21	Northwest	Basalt lava	KPCs	B	30	D.B.	A 20 B 70	F	S	M	W	Secondary forest
97	BSL15B	548.56	710.49	Northwest	—	KPCs	B	25	D.B.	A 20 B 60	F	C	M	W	Secondary forest
98	BSL16B	548.57	709.88	Northwest	Basalt lava	KPCs	B	30	B.	A15 B 50	R	C	F	W	Secondary forest
99	BSL17B	548.41	710.04	Northwest	Basalt lava	KPCs	B	30	B.	A15 B 60	R	C	S	W	Primary forest
100	BSL18B	548.17	710.28	Northwest	—	KPCs	B	30	B.	A15 B 50	R	C	F	W	Secondary forest
101	BSL19B	548.01	710.23	West	Sandstone	KPCs	B	30	B.	A15 B 60	R	C	M	W	Secondary forest
102	BSL20B	548.01	709.84	West	—	KPCs	B	30	B.	A15 B 70	R	C	F	W	Primary forest
103	BSL21B	547.69	710.03	West	—	KPCs	B	30	B.	A15 B 70	R	C	F	W	Primary forest
104	BSL22B	547.70	710.28	West	—	KPCs	B	30	B.	10 B 50	F	C	F	W	Secondary forest
105	BSL23B	547.52	710.14	West	—	KPCs	B	30	B.	A15 B 60	R	C	F	W	Secondary forest
106	BSL24B	547.37	710.05	West	—	KPCs	B	40	B.	A15 B 65	R	C	F	W	Secondary forest
107	BSL25B	547.07	709.99	West	Basalt lava	KPCs	B	30	B.	10 B 60	R	C	M	W	Primary forest
108	BSL26B	546.78	709.80	West	Basalt lava	KPCs	B	30	B.	10 B 50	R	C	F	W	Secondary forest
109	BSL27B	546.60	709.56	West	—	KPCs	B	30	B.	A15 B 60	R	C	F	W	Secondary forest
110	BSL28B	547.58	710.44	Center	—	KPCs	B	30	R.B.	A15 B 55	F	C	F	W	Secondary forest
111	BSL29B	547.72	710.48	Center	—	KPCs	B	30	B.	A15 B 60	R	C	F	W	Secondary forest
112	BSL30B	547.78	710.74	Center	Basalt brec.	KPCs	B	30	B.	10 B 60	R	C	F	W	Primary forest

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

Area: Bidu Bidu Hill
Sample Media: Soil (B)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
113	BSL31B	547.86	711.06	Center	Basalt lava	KPCs	B	30	B.	10 B 60	R	C	F	W	Primary forest
114	BSL32B	547.75	711.35	Center	Microgabbro	Gb	B	30	B.	10 B 60	R	C	F	W	Secondary forest
115	BSL33B	547.57	711.62	Center	—	Gb	B	30	B.	A15 B 65	R	C	F	W	Secondary forest
116	BSL34B	547.40	711.90	Center	—	KPCs	B	30	D.B.	A 30 B 60	R	C	M	W	Secondary forest
117	BSL35B	547.17	711.97	S Sualog	—	KPCs	B	30	P.B.	10 B 60	F	C	M	W	Primary forest
118	BSL36B	546.97	711.68	S Sualog	—	KPCs	B	35	P.B.	10 B 55	R	C	F	W	Primary forest
119	BSL37B	546.85	711.87	S Sualog	—	KPCs	B	45	R.B.	A15 B 60	R	C	M	W	Primary forest
120	BSL38B	546.91	711.35	S Sualog	—	KPCs	B	40	B.	A15 B 65	R	C	F	W	Primary forest
121	BSL39B	546.72	711.37	S Sualog	—	KPCs	B	35	B.	A15 B 60	R	C	F	W	Primary forest
122	BSL40B	546.53	711.46	S Sualog	—	KPCs	B	35	B.	A15 B 60	R	C	F	W	Primary forest
123	BSL41B	546.37	711.14	S Sualog	—	KPCs	B	40	D.B.	A15 B 65	R	C	M	W	Primary forest
124	BSL42B	546.32	710.87	S Sualog	—	KPCs	B	40	B.	10 B 60	R	C	F	W	Primary forest
125	BSL43B	546.21	710.64	S Sualog	—	Ub	B	30	B.	10 B 60	R	C	F	W	Primary forest
126	BSL44B	546.08	710.47	S Sualog	—	KPCs	B	15	D.B.	5 B 30	R	C	F	W	Primary forest
127	BSL45B	545.97	710.22	S Sualog	—	KPCs	B	25	B.	5 B 60	R	C	F	W	Primary forest
128	BSL46B	546.21	710.28	S Sualog	—	KPCs	B	25	B.	5 B 60	R	C	M	W	Primary forest
129	BSL47B	546.48	710.39	S Sualog	—	KPCs	B	35	B.	5 B 55	R	C	M	W	Primary forest
130	BSL48B	546.06	709.86	S Sualog	—	KPCs	B	35	B.	A15 B 55	R	C	F	W	Primary forest
131	BSL49B	545.92	709.53	S Sualog	—	KPCs	B	25	B.	5 B 40	R	C	F	W	Primary forest
132	BSL50B	545.78	710.35	Southwest	—	KPCs	B	35	B.	10 B 55	R	C	F	W	Primary forest
133	BSL51B	545.62	709.85	Southwest	—	KPCs	B	30	B.	5 B 55	R	C	F	W	Primary forest
134	BSL52B	545.41	709.77	Southwest	—	KPCs	B	25	B.	5 B 45	R	C	F	W	Primary forest
135	BSL53B	545.26	709.56	Southwest	—	KPCs	B	25	B.	5 B 45	R	C	F	W	Primary forest
136	BSL54B	547.40	712.15	S Sualog	—	KPCs	B	30	B.	A 20 B 60	F	C	F	W	Secondary forest
137	BSL55B	547.66	712.29	S Sualog	—	Ub	B	40	B.	A 30 B 70	R	C	F	W	Secondary forest
138	BSL56B	547.94	712.08	S Sualog	—	KPCs	B	30	B.	10 B 60	F	C	F	W	Secondary forest
139	BSL57B	547.81	712.55	S Sualog	—	KPCs	B	30	B.	10 B 70	F	C	F	W	Secondary forest
140	BSL58B	548.04	712.70	S Sualog	—	KPCs	B	30	B.	A 20 B 60	F	C	F	W	Secondary forest
141	BSL59B	548.58	712.11	Northeast	—	KPCs	B	30	D.B.	10 B 60	F	C	F	W	Secondary forest
142	BSL60B	545.62	711.72	Southeast	—	Ub	B	30	B.	A15 B 60	F	S	M	W	Secondary forest

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

Area: Bidu Bidu Hill
Sample Media: Soil (B)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
143	BSL61B	545.70	712.06	Southeast	Basalt lava	KPCs	B	25	D.B.	A 1.5 B 6.0	F	C	M	W	Secondary forest
144	BSL62B	545.86	712.07	Southeast	—	KPCs	B	25	B.	A 2.0 B 7.0	F	C	M	W	Secondary forest
145	BSL63B	545.89	712.50	Southeast	—	KPCs	B	30	D.B.	A 2.0 B 6.5	F	C	M	W	Secondary forest
146	BSL64B	545.64	712.42	Southeast	—	KPCs	B	30	D.B.	A 2.0 B 6.0	R	C	M	W	Secondary forest
147	BSL65B	545.67	712.74	Southeast	—	Ub	B	30	B.	A 2.0 B 7.0	R	C	M	W	Secondary forest
148	BSL66B	545.63	712.97	Southeast	—	Ub	B	30	B.	A 2.0 B 6.0	R	C	M	W	Secondary forest
149	BSL67B	548.78	712.15	S. of camp	—	KPCs	B	25	B.	A 2.0 B 7.0	F	C	M	W	Secondary forest
150	BSL68B	548.48	711.71	S. of camp	—	KPCs	B	35	B.	1.0 B 5.5	R	C	M	W	Primary forest
151	BSL69B	548.55	711.04	S. of camp	—	KPCs	B	30	B.	5 B 4.5	R	C	M	W	Primary forest
152	BSL70B	548.25	711.27	S. of camp	—	KPCs	B	25	B.	5 B 4.5	R	C	F	W	Primary forest
153	BSL71B	548.19	711.60	S. of camp	—	KPCs	B	30	B.	1.0 B 4.5	R	C	M	W	Primary forest
154	BSL72B	547.51	710.88	Center	—	KPCs	B	30	B.	5 B 5.5	R	C	M	W	Primary forest
155	BSL73B	547.29	711.39	Center	—	KPCs	B	30	B.	5 B 5.0	R	C	S	W	Primary forest
156	BSL74B	546.93	710.87	Center	—	KPCs	B	30	B.	5 B 5.5	R	C	M	W	Primary forest
157	BSL75B	547.11	710.36	Center	—	KPCs	B	25	Y.B.	5 B 5.0	R	C	M	W	Primary forest
158	BSL76B	546.55	710.62	Center	—	KPCs	B	35	B.	1.0 B 6.0	R	C	M	W	Primary forest
159	BSL77B	546.65	710.14	West	—	KPCs	B	30	G.	A 1.5 B 5.5	R	C	S	W	Primary forest
160	BSL78B	547.32	712.51	East	—	Ub	B	25	D.B.	A 2.0 B 6.0	R	C	M	W	Secondary forest
161	BSL79B	546.87	712.79	East	—	Ub	B	25	B.	1.0 B 6.0	F	S	M	W	Secondary forest
162	BSL80B	547.02	712.27	East	—	KPCs	B	25	B.	A 2.0 B 6.0	R	C	M	W	Secondary forest
163	BSL81B	546.27	712.20	Southeast	—	KPCs	B	30	D.B.	A 3.0 B 7.0	R	C	M	W	Secondary forest
164	BSL82B	546.20	711.73	Southeast	—	KPCs	B	30	B.	A 2.0 B 6.0	F	C	M	W	Secondary forest

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

Area: Bidu Bidu Hill
Sample Media: Soil (C)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
165	BSL01C	549.10	712.31	Northeast	—	KPCs	B	55	B.	A 20 B 70	R	C	F	W	Secondary forest
166	BSL02C	548.94	712.57	Northeast	—	KPCs	B	55	B.	10 B 60	R	C	F	W	Secondary forest
167	BSL03C	549.01	712.84	Northeast	—	KPCs	B	50	B.	10 B 60	F	S	F	W	Secondary forest
168	BSL04C	548.94	712.33	Northeast	—	KPCs	B	50	D.B.	A 20 B 70	R	C	F	W	Secondary forest
169	BSL05C	549.09	712.02	Camp	—	KPCs	B	50	P.B.	A 20 B 70	R	C	F	W	Secondary forest
170	BSL06C	549.17	711.90	Camp	—	KPCs	B	50	B.	10 B 60	F	C	F	W	Secondary forest
171	BSL07C	549.27	711.60	North	—	KPCs	B	55	D.B.	A 20 B 70	F	S	F	W	Secondary forest
172	BSL08C	549.41	711.48	North	—	Ub	B	50	D.B.	10 B 60	M	S	M	W	Secondary forest
173	BSL09C	548.93	711.28	Camp	—	KPCs	B	50	D.B.	A 20 B 70	R	C	F	W	Secondary forest
174	BSL10C	549.02	711.03	Camp	—	KPCs	B	60	D.B.	A 30 B 70	R	C	F	W	Secondary forest
175	BSL11C	548.89	710.70	Northwest	—	KPCs	B	55	D.B.	A 20 B 70	F	C	F	W	Secondary forest
176	BSL12C	548.69	710.57	Northwest	—	KPCs	B	55	D.B.	A 20 B 70	F	S	F	W	Secondary forest
177	BSL13C	548.70	710.36	Northwest	—	KPCs	B	50	D.B.	A 20 B 70	F	S	M	W	Secondary forest
178	BSL14C	548.88	710.21	Northwest	Basalt lava	KPCs	B	50	D.B.	A 20 B 70	F	S	M	W	Secondary forest
179	BSL15C	548.56	710.49	Northwest	—	KPCs	B	50	B.	A 20 B 60	F	S	M	W	Secondary forest
180	BSL16C	548.57	709.88	Northwest	Basalt lava	KPCs	B	40	B.	A15 B 50	R	C	F	W	Secondary forest
181	BSL17C	548.41	710.04	Northwest	Basalt lava	KPCs	B	50	Y.B.	A15 B 60	R	C	S	W	Primary forest
182	BSL18C	548.17	710.28	Northwest	—	KPCs	B	40	P.B.	A15 B 50	R	C	F	W	Secondary forest
183	BSL19C	548.01	710.23	West	Sandstone	KPCs	B	50	B.	A15 B 60	R	C	M	W	Secondary forest
184	BSL20C	548.01	709.84	West	—	KPCs	B	60	P.B.	A15 B 70	R	C	F	W	Primary forest
185	BSL21C	547.69	710.03	West	—	KPCs	B	60	P.B.	A15 B 70	R	C	F	W	Primary forest
186	BSL22C	547.70	710.28	West	—	KPCs	B	40	B.	10 B 50	F	C	F	W	Secondary forest
187	BSL23C	547.52	710.14	West	—	KPCs	B	50	Y.B.	A15 B 60	R	C	F	W	Secondary forest
188	BSL24C	547.37	710.05	West	—	KPCs	B	60	B.	A15 B 65	R	C	F	W	Secondary forest
189	BSL25C	547.07	709.99	West	Basalt lava	KPCs	B	50	B.	10 B 60	R	C	M	W	Primary forest
190	BSL26C	546.78	709.80	West	Basalt lava	KPCs	B	40	Y.B.	10 B 50	R	C	F	W	Secondary forest
191	BSL27C	546.60	709.56	West	—	KPCs	B	50	P.B.	A15 B 60	R	C	F	W	Secondary forest
192	BSL28C	547.58	710.44	Center	—	KPCs	B	50	R.B.	A15 B 55	F	C	F	W	Secondary forest
193	BSL29C	547.72	710.48	Center	—	KPCs	B	50	P.B.	A15 B 60	R	C	F	W	Secondary forest
194	BSL30C	547.78	710.74	Center	Basalt brec.	KPCs	B	50	Y.B.	10 B 60	R	C	F	W	Primary forest

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

Area: Bidu Bidu Hill
Sample Media: Soil (C)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
195	BSL31C	547.86	711.06	Center	Basalt lava	KPCs	B	50	Y.B.	10 B 60	R	C	F	W	Primary forest
196	BSL32C	547.75	711.35	Center	Microgabbro	Gb	B	50	B.	10 B 60	R	C	F	W	Secondary forest
197	BSL33C	547.57	711.62	Center	—	Gb	B	60	B.	A15 B 65	R	C	F	W	Secondary forest
198	BSL34C	547.40	711.90	Center	—	KPCs	B	50	D.B.	A 30 B 60	R	C	M	W	Secondary forest
199	BSL35C	547.17	711.97	S Sualog	—	KPCs	B	40	P.B.	10 B 50	M	C	M	W	Primary forest
200	BSL36C	546.97	711.68	S Sualog	—	KPCs	B	50	P.B.	10 B 55	F	C	F	W	Primary forest
201	BSL37C	546.85	711.87	S Sualog	—	KPCs	B	55	B.	A15 B 60	F	C	M	W	Primary forest
202	BSL38C	546.91	711.35	S Sualog	—	KPCs	B	60	B.	A15 B 65	R	C	F	W	Primary forest
203	BSL39C	546.72	711.37	S Sualog	—	KPCs	B	50	B.	A15 B 60	R	C	F	W	Primary forest
204	BSL40C	546.53	711.46	S Sualog	—	KPCs	B	55	B.	A15 B 60	R	C	F	W	Primary forest
205	BSL41C	546.37	711.14	S Sualog	—	KPCs	B	60	D.B.	A15 B 65	R	C	M	W	Primary forest
206	BSL42C	546.32	710.87	S Sualog	—	KPCs	B	50	B.	10 B 60	F	C	F	W	Primary forest
207	BSL43C	546.21	710.64	S Sualog	—	Ub	B	45	B.	10 B 50	R	C	F	W	Primary forest
208	BSL44C	546.08	710.47	S Sualog	—	KPCs	B	25	D.B.	5 B 30	R	C	F	W	Primary forest
209	BSL45C	545.97	710.22	S Sualog	—	KPCs	B	40	B.	5 B 50	R	C	F	W	Primary forest
210	BSL46C	546.21	710.28	S Sualog	—	KPCs	B	45	B.	5 B 60	R	C	M	W	Primary forest
211	BSL47C	546.48	710.39	S Sualog	—	KPCs	B	50	B.	5 B 55	R	C	M	W	Primary forest
212	BSL48C	546.06	709.86	S Sualog	—	KPCs	B	45	B.	A15 B 55	R	C	F	W	Primary forest
213	BSL49C	545.92	709.53	S Sualog	—	KPCs	B	35	B.	5 B 40	F	C	F	W	Primary forest
214	BSL50C	545.78	710.35	Southwest	—	KPCs	B	50	B.	10 B 55	R	C	F	W	Primary forest
215	BSL51C	545.62	709.85	Southwest	—	KPCs	B	50	B.	5 B 55	R	C	F	W	Primary forest
216	BSL52C	545.41	709.77	Southwest	—	KPCs	B	40	B.	5 B 45	R	C	F	W	Primary forest
217	BSL53C	545.26	709.56	Southwest	—	KPCs	B	40	B.	5 B 45	R	C	F	W	Primary forest
218	BSL54C	547.40	712.15	S Sualog	—	KPCs	B	50	B.	A 20 B 60	F	C	F	W	Secondary forest
219	BSL55C	547.66	712.29	S Sualog	—	Ub	B	55	B.	A 30 B 70	R	C	F	W	Secondary forest
220	BSL56C	547.94	712.08	S Sualog	—	KPCs	B	50	B.	10 B 60	F	C	F	W	Secondary forest
221	BSL57C	547.81	712.55	S Sualog	—	KPCs	B	50	B.	10 B 70	F	C	F	W	Secondary forest
222	BSL58C	548.04	712.70	S Sualog	—	KPCs	B	50	B.	A 20 B 60	F	S	F	W	Secondary forest
223	BSL59C	548.58	712.11	Northeast	—	KPCs	B	50	B.	10 B 60	F	C	F	W	Secondary forest
224	BSL60C	545.62	711.72	Southeast	—	Ub	B	50	B.	A15 B 60	F	S	M	W	Secondary forest

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

Area: Bidu Bidu Hill
Sample Media: Soil (C)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
225	BSL61C	545.70	712.06	Southeast	Basalt lava	KPCs	B	50	B.	A 1.5 B 6.0	F	S	M	W	Secondary forest
226	BSL62C	545.86	712.07	Southeast	—	KPCs	B	50	B.	A 2.0 B 7.0	F	C	M	W	Secondary forest
227	BSL63C	545.89	712.50	Southeast	—	KPCs	B	55	B.	A 2.0 B 6.5	F	C	M	W	Secondary forest
228	BSL64C	545.64	712.42	Southeast	—	KPCs	B	60	D.B.	A 2.0 B 6.0	R	C	M	W	Secondary forest
229	BSL65C	545.67	712.74	Southeast	—	Ub	B	60	B.	A 2.0 B 7.0	R	C	M	W	Secondary forest
230	BSL66C	545.63	712.97	Southeast	—	Ub	B	55	R.B.	A 2.0 B 6.0	F	S	M	W	Secondary forest
231	BSL67C	548.78	712.15	S. of camp	—	KPCs	B	55	B.	A 2.0 B 7.0	F	C	M	W	Secondary forest
232	BSL68C	548.48	711.71	S. of camp	—	KPCs	B	50	B.	1.0 B 5.5	R	C	M	W	Primary forest
233	BSL69C	548.55	711.04	S. of camp	—	KPCs	B	40	B.	5 B 4.5	R	C	M	W	Primary forest
234	BSL70C	548.25	711.27	S. of camp	—	KPCs	B	40	B.	5 B 4.5	R	C	F	W	Primary forest
235	BSL71C	548.19	711.60	S. of camp	—	KPCs	B	45	Y.B.	1.0 B 4.5	R	C	M	W	Primary forest
236	BSL72C	547.51	710.88	Center	—	KPCs	B	45	B.	5 B 5.5	R	C	M	W	Primary forest
237	BSL73C	547.29	711.39	Center	—	KPCs	B	45	B.	5 B 5.0	R	C	S	W	Primary forest
238	BSL74C	546.93	710.87	Center	—	KPCs	B	45	Y.B.	5 B 5.5	R	C	M	W	Primary forest
239	BSL75C	547.11	710.36	Center	—	KPCs	B	40	Y.B.	5 B 5.0	R	C	M	W	Primary forest
240	BSL76C	546.55	710.62	Center	—	KPCs	B	50	B.	1.0 B 6.0	R	C	M	W	Primary forest
241	BSL77C	546.65	710.14	West	—	KPCs	B	45	P.B.	A 1.5 B 5.5	R	C	S	W	Primary forest
242	BSL78C	547.32	712.51	East	—	Ub	B	50	B.	A 2.0 B 6.0	R	C	M	W	Secondary forest
243	BSL79C	546.87	712.79	East	—	Ub	B	50	B.	1.0 B 6.0	F	S	M	W	Secondary forest
244	BSL80C	547.02	712.27	East	—	KPCs	B	50	B.	A 2.0 B 6.0	R	C	M	W	Secondary forest
245	BSL81C	546.27	712.20	Southeast	—	KPCs	B	55	B.	A 3.0 B 7.0	R	C	M	W	Secondary forest
246	BSL82C	546.20	711.73	Southeast	—	KPCs	B	55	B.	A 2.0 B 6.0	F	C	M	W	Secondary forest

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

Area: Mantri
Sample Media: Soil (A)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
1	MSL01A	397.84	798.01	West	—	An	A	10	D.B.	A 15 B 80	R	C	F	W	Secondary forest
2	MSL02A	397.87	798.18	West	—	An	A	10	D.B.	A 20 B 70	R	C	M	W	Secondary forest
3	MSL03A	398.95	801.09	Northeast	—	P_4Kg	A	10	D.B.	A 20 B 80	R	C	F	W	Secondary forest
4	MSL04A	399.89	799.47	North	S.S. & shale	P_4Kg	A	3	D.B.	B B 85	R	C	F	W	Primary forest
5	MSL05A	400.27	800.74	North	S.S. & shale	P_4Kg	A	3	D.B.	B B 70	R	C	F	W	Plantation
6	MSL06A	400.19	800.39	North	S.S. & shale	P_4Kg	A	5	D.B.	10 B 70	R	C	F	W	Plantation
7	MSL07A	400.04	800.19	North	Pyroclastics	P_4Kg	A	8	D.B.	A 15 B 70	R	C	S	W	Plantation
8	MSL08A	399.99	799.88	North	Pyroclastics	P_4Kg	A	10	D.B.	A 20 B 70	F	C	F	W	Secondary forest
9	MSL09A	399.83	799.64	North	S.S. & shale	P_4Kg	A	5	D.B.	10 B 50	R	C	M	W	Primary forest
10	MSL10A	399.52	801.23	Northeast	Sandstone	P_4Kg	A	5	D.B.	10 B 60	R	C	F	W	Plantation
11	MSL11A	399.65	800.90	Northeast	—	P_4Kg	A	5	B.	10 B 60	R	C	F	W	Plantation
12	MSL12A	399.52	800.64	Northeast	—	P_4Kg	A	5	B.	10 B 60	R	C	F	W	Secondary forest
13	MSL13A	399.37	800.45	Northeast	Mudstone	P_4Kg	A	5	B.	10 B 60	R	C	M	W	Secondary forest
14	MSL14A	399.24	800.27	Northeast	Altered An.	An	A	5	D.B.	10 B 55	F	C	M	W	Primary forest
15	MSL15A	399.42	801.16	Northeast	—	P_4Kg	A	10	D.B.	A 20 B 70	F	C	F	W	Plantation
16	MSL16A	399.31	800.88	Northeast	—	P_4Kg	A	10	D.B.	A 20 B 80	F	C	F	W	Secondary forest
17	MSL17A	399.16	800.76	Northeast	—	P_4Kg	A	10	D.B.	A 15 B 80	R	C	F	W	Secondary forest
18	MSL18A	399.17	801.12	Northeast	—	P_4Kg	A	10	D.B.	A 15 B 80	F	C	F	W	Plantation
19	MSL19A	398.72	801.04	Northeast	Mudstone	P_4Kg	A	10	D.B.	A 15 B 70	F	C	M	W	Secondary forest
20	MSL20A	398.99	800.82	Northeast	—	P_4Kg	A	10	D.B.	A 15 B 80	R	C	F	W	Secondary forest
21	MSL21A	398.56	800.94	Northeast	Sandstone	P_4Kg	A	10	D.B.	A 15 B 60	R	C	M	W	Secondary forest
22	MSL22A	398.37	800.92	Northeast	Mudstone	P_4Kg	A	10	D.B.	A 15 B 60	R	C	M	W	Secondary forest
23	MSL23A	397.69	797.91	West	Andesite	An	A	15	D.B.	A 20 B 70	R	C	F	W	Secondary forest
24	MSL24A	397.55	798.06	West	—	An	A	10	D.B.	A 15 B 80	R	C	M	W	Secondary forest
25	MSL25A	397.95	797.90	West	Altered An.	An	A	10	D.B.	A 15 B 80	R	C	F	W	Secondary forest
26	MSL26A	397.74	797.82	West	—	An	A	15	D.B.	A 20 B 70	R	C	F	W	Secondary forest
27	MSL27A	397.67	798.12	West	—	An	A	15	D.B.	A 20 B 70	R	C	F	W	Secondary forest
28	MSL28A	397.56	798.28	West	—	An	A	10	D.B.	A 20 B 70	R	C	F	W	Secondary forest
29	MSL29A	397.85	798.48	West	—	An	A	10	D.B.	A 15 B 60	R	C	F	W	Secondary forest
30	MSL30A	397.63	798.54	West	—	An	A	10	D.B.	A 20 B 60	R	C	F	W	Secondary forest

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

Area: Mantri
Sample Media: Soil (A)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
31	MSL31A	397.71	798.75	West	—	An	A	10	D.B.	A15 B 55	R	C	F	W	Secondary forest
32	MSL32A	397.98	798.74	West	—	An	A	15	D.B.	A 20 B 70	R	C	F	W	Secondary forest
33	MSL33A	398.08	798.93	West	—	An	A	10	D.B.	A 20 B 60	R	C	F	W	Secondary forest
34	MSL34A	395.82	798.05	Southwest	—	An	A	10	D.B.	A 20 B 80	R	C	F	W	Secondary forest
35	MSL35A	395.99	798.28	Southwest	—	An	A	10	D.B.	A15 B 75	R	C	F	W	Secondary forest
36	MSL36A	396.27	798.27	Southwest	Altered An.	An	A	10	D.B.	A15 B 60	R	C	F	W	Secondary forest
37	MSL37A	396.73	798.17	Southwest	—	An	A	15	D.B.	A 30 B 70	R	C	F	W	Secondary forest
38	MSL38A	396.83	798.31	Southwest	Andesite	An	A	10	D.B.	A 20 B 80	R	C	F	W	Secondary forest
39	MSL39A	396.11	798.63	Southwest	—	An	A	10	D.B.	A 20 B 60	R	S	F	W	Primary forest
40	MSL40A	396.26	798.90	South	—	An	A	10	D.B.	A 20 B 60	R	S	F	W	Primary forest
41	MSL41A	396.48	798.91	South	—	An	A	10	D.B.	A15 B 55	R	C	F	W	Primary forest
42	MSL42A	396.68	798.96	South	—	An	A	10	D.B.	A 20 B 60	R	C	F	W	Primary forest
43	MSL43A	396.85	799.03	South	—	An	A	10	D.B.	A 20 B 100	R	C	F	W	Secondary forest
44	MSL44A	397.12	798.81	South	—	An	A	10	D.B.	A15 B 75	R	C	F	W	Secondary forest
45	MSL45A	397.16	799.07	South	—	An	A	15	D.B.	A 20 B 50C 70	R	C	F	W	Secondary forest
46	MSL46A	396.49	799.15	South	Andesite	An	A	10	B.	A15 B 70	R	S	F	W	Primary forest
47	MSL47A	396.80	799.19	South	—	An	A	10	B.	A15 B 70	R	C	F	W	Primary forest
48	MSL48A	397.04	799.30	South	—	An	A	5	B.	10 B 70	R	C	M	W	Secondary forest
49	MSL49A	397.31	799.34	South	Altered An.	An	A	5	B.	10 B 50	R	C	M	W	Primary forest
50	MSL50A	397.59	799.35	South	—	An	A	5	B.	10 B 65	R	C	M	W	Secondary forest
51	MSL51A	397.48	799.57	South	—	An	A	10	B.	A15 B 80	R	C	S	W	Primary forest
52	MSL52A	396.67	799.41	South	—	An	A	5	G.B.	10 B 60	R	C	F	W	Primary forest
53	MSL53A	396.86	799.54	South	Altered zone	An	A	10	B.	A15 B 60	R	C	M	W	Primary forest
54	MSL54A	397.06	799.71	South	Altered zone	An	A	5	B.	10 B 80	R	C	M	W	Primary forest
55	MSL55A	397.26	799.83	South	Altered An.	An	A	10	B.	A15 B 60	R	C	S	W	Primary forest
56	MSL56A	396.16	799.40	South	—	An	A	10	D.B.	A15 B 80	R	C	F	W	Secondary forest
57	MSL57A	396.23	799.71	South	—	An	A	10	D.B.	A 20 B 60	R	C	F	W	Secondary forest
58	MSL58A	396.11	799.95	South	Altered An.	An	A	3	D.B.	5 B 100	R	C	F	W	Primary forest
59	MSL59A	396.33	800.17	Southeast	Altered An.	An	A	3	D.B.	5 B 80	R	C	F	W	Primary forest
60	MSL60A	396.52	800.28	Southeast	Altered An.	An	A	5	D.B.	10 B 100	R	C	M	W	Primary forest

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

Area: Mantri
Sample Media: Soil (A)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
61	MSL61A	396.70	800.41	Southeast	Altered An.	An	A	3	D.B.	5 B 100	R	C	M	W	Primary forest
62	MSL62A	396.90	800.34	Southeast	Altered An.	An	A	3	D.B.	5 B 70	R	C	M	W	Primary forest
63	MSL63A	397.16	800.22	Southeast	Altered An.	An	A	3	D.B.	5 B 75	R	C	S	W	Primary forest
64	MSL64A	397.19	800.41	Southeast	Altered An.	An	A	3	D.B.	5 B 70	R	C	S	W	Primary forest
65	MSL65A	396.81	800.62	Southeast	Altered An.	An	A	3	D.B.	5 B 100	R	C	S	W	Primary forest
66	MSL66A	396.93	800.83	Southeast	Altered An.	An	A	3	D.B.	5 B 70	R	C	M	W	Primary forest
67	MSL67A	396.09	800.28	Camp	Altered An.	An	A	3	D.B.	5 B 80	R	S	M	W	Primary forest
68	MSL68A	396.21	800.47	Camp	Altered An.	An	A	3	D.B.	5 B 80	R	S	M	W	Primary forest
69	MSL69A	396.28	800.70	Camp	Altered An.	An	A	3	D.B.	5 B 80	R	S	M	W	Primary forest
70	MSL70A	395.92	800.33	Camp	Altered An.	An	A	3	D.B.	5 B 100	R	S	M	W	Primary forest
71	MSL71A	395.94	800.68	Camp	Altered An.	An	A	10	D.B.	10 B 70	R	S	M	W	Primary forest
72	MSL72A	399.80	800.54	North	—	P_4Kg	A	3	D.B.	5 B 50	R	S	M	W	Primary forest
73	MSL73A	398.43	799.47	Center	—	An	A	5	B.	10 B 70	R	C	M	W	Primary forest
74	MSL74A	398.43	799.94	Center	—	An	A	5	B.	10 B 80	R	C	S	W	Primary forest
75	MSL75A	398.25	799.70	Center	Altered An.	An	A	5	B.	10 B 80C 80	R	C	S	W	Primary forest
76	MSL76A	397.84	799.33	Center	—	An	A	5	G.B.	10 B 50	R	C	F	W	Primary forest
77	MSL77A	398.07	800.04	Center	Altered An.	An	A	10	B.	A15 B 70	R	C	M	W	Primary forest
78	MSL78A	397.85	800.36	Center	Altered An.	An	A	10	B.	A15 B 60	R	C	M	W	Primary forest
79	MSL79A	397.76	799.87	Center	Altered An.	An	A	5	B.	10 B 70	R	C	S	W	Secondary forest
80	MSL80A	397.54	800.73	East	—	An	A	5	B.	10 B 70	R	C	S	W	Primary forest
81	MSL81A	399.18	800.88	Northeast	—	An	A	15	D.B.	A 20 B 70	R	C	F	W	Secondary forest

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

Area: Mantri
Sample Media: Soil (B)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
82	MSL01B	397.84	798.01	West	—	An	B	35	B.	A15 3 60	R	C	F	W	Secondary forest
83	MSL02B	397.87	798.18	West	—	An	B	30	B.	A 20 B 70	R	C	M	W	Secondary forest
84	MSL03B	398.95	801.09	Northeast	—	P_4Kg	B	30	D.B.	A 20 B 60	R	C	F	W	Secondary forest
85	MSL04B	399.89	799.47	North	S.S. & shale	P_4Kg	B	30	P.B.	5 B 65	R	C	F	W	Primary forest
86	MSL05B	400.27	800.74	North	S.S. & shale	P_4Kg	B	30	Y.B.	5 B 70	R	C	F	W	Plantation
87	MSL06B	400.19	800.39	North	S.S. & shale	P_4Kg	B	30	P.B.	10 B 70	F	C	F	W	Plantation
88	MSL07B	400.04	800.19	North	Pyroclastics	P_4Kg	B	30	B.	A15 B 70	R	C	S	W	Plantation
89	MSL08B	399.99	799.88	North	Pyroclastics	P_4Kg	B	45	P.B.	A 20 B 70	F	C	F	W	Secondary forest
90	MSL09B	399.83	799.64	North	S.S. & shale	P_4Kg	B	20	P.B.	10 B 50	R	C	M	W	Primary forest
91	MSL10B	399.52	801.23	Northeast	Sandstone	P_4Kg	B	30	Y.B.	10 B 80	R	C	F	W	Plantation
92	MSL11B	399.65	800.90	Northeast	—	P_4Kg	B	35	Y.B.	10 B 60	R	C	F	W	Plantation
93	MSL12B	399.52	800.64	Northeast	—	P_4Kg	B	30	Y.B.	10 B 60	R	C	F	W	Secondary forest
94	MSL13B	399.37	800.45	Northeast	Mudstone	P_4Kg	B	30	Y.B.	10 B 80	R	C	M	W	Secondary forest
95	MSL14B	399.24	800.27	Northeast	Altered An.	An	B	30	B.	10 B 55	R	C	M	W	Primary forest
96	MSL15B	399.42	801.16	Northeast	—	P_4Kg	B	30	B.	A 20 B 70	F	C	F	W	Plantation
97	MSL16B	399.31	800.88	Northeast	—	P_4Kg	B	30	B.	A 20 B 80	F	C	F	W	Secondary forest
98	MSL17B	399.16	800.76	Northeast	—	P_4Kg	B	30	B.	A15 B 80	R	C	F	W	Secondary forest
99	MSL18B	399.17	801.12	Northeast	—	P_4Kg	B	30	B.	A15 B 80	F	C	F	W	Plantation
100	MSL19B	398.72	801.04	Northeast	Mudstone	P_4Kg	B	30	D.B.	A15 B 70	F	C	M	W	Secondary forest
101	MSL20B	398.99	800.82	Northeast	—	P_4Kg	B	30	B.	A15 B 80	R	C	F	W	Secondary forest
102	MSL21B	398.56	800.94	Northeast	Sandstone	P_4Kg	B	30	D.B.	A15 B 60	R	C	M	W	Secondary forest
103	MSL22B	398.37	800.92	Northeast	Mudstone	P_4Kg	B	30	D.B.	A15 B 60	R	C	M	W	Secondary forest
104	MSL23B	397.69	797.91	West	Andesite	An	B	35	B.	A 20 B 70	R	C	F	W	Secondary forest
105	MSL24B	397.55	798.06	West	—	An	B	30	B.	A15 B 80	R	C	M	W	Secondary forest
106	MSL25B	397.95	797.90	West	Altered An.	An	B	30	B.	A15 B 80	R	C	F	W	Secondary forest
107	MSL26B	397.74	797.82	West	—	An	B	30	B.	A 20 B 70	R	C	F	W	Secondary forest
108	MSL27B	397.67	798.12	West	—	An	B	35	B.	A 20 B 70	R	C	F	W	Secondary forest
109	MSL28B	397.56	798.28	West	—	An	B	30	B.	A 20 B 70	R	C	F	W	Secondary forest
110	MSL29B	397.85	798.48	West	—	An	B	35	B.	A15 B 80	R	C	F	W	Secondary forest
111	MSL30B	397.63	798.54	West	—	An	B	30	B.	A 20 B 80	R	C	F	W	Secondary forest

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

Area: Mantri
Sample Media: Soil (B)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
112	MSL31B	397.71	798.75	West	—	An	B	30	B.	A15 B 55	R	C	F	W	Secondary forest
113	MSL32B	397.98	798.74	West	—	An	B	30	D.B.	A 20 B 70	R	C	F	W	Secondary forest
114	MSL33B	398.08	798.93	West	—	An	B	30	B.	A 20 B 80	R	C	F	W	Secondary forest
115	MSL34B	395.82	798.05	Southwest	—	An	B	30	P.B.	A 20 B 80	R	C	F	W	Secondary forest
116	MSL35B	395.99	798.28	Southwest	—	An	B	30	B.	A15 B 75	R	C	F	W	Secondary forest
117	MSL36B	396.27	798.27	Southwest	Altered An.	An	B	30	B.	A15 B 60	R	C	F	W	Secondary forest
118	MSL37B	396.73	798.17	Southwest	—	An	B	40	P.B.	A 30 B 70	R	C	F	W	Secondary forest
119	MSL38B	396.83	798.31	Southwest	Andesite	An	B	40	B.	A 20 B 80	R	C	F	W	Secondary forest
120	MSL39B	396.11	798.63	Southwest	—	An	B	30	D.B.	A 20 B 60	R	S	F	W	Primary forest
121	MSL40B	396.26	798.90	South	—	An	B	30	D.B.	A 20 B 60	R	S	F	W	Primary forest
122	MSL41B	396.48	798.91	South	—	An	B	30	B.	A15 B 55	R	C	F	W	Primary forest
123	MSL42B	396.68	798.96	South	—	An	B	30	B.	A 20 B 60	R	C	F	W	Primary forest
124	MSL43B	396.85	799.03	South	—	An	B	30	B.	A 20 B 100	R	C	F	W	Secondary forest
125	MSL44B	397.12	798.81	South	—	An	B	30	B.	A15 B 75	R	C	F	W	Secondary forest
126	MSL45B	397.16	799.07	South	—	An	B	30	B.	A 20 B 50C 70	R	C	F	W	Secondary forest
127	MSL46B	396.49	799.15	South	Andesite	An	B	40	Y.B.	A15 B 70	R	C	F	W	Primary forest
128	MSL47B	396.80	799.19	South	—	An	B	40	Y.B.	A15 B 70	R	C	F	W	Primary forest
129	MSL48B	397.04	799.30	South	—	An	B	45	Y.B.	10 B 70	R	C	M	W	Secondary forest
130	MSL49B	397.31	799.34	South	Altered An.	An	B	25	B.	10 B 50	R	C	M	W	Primary forest
131	MSL50B	397.59	799.35	South	—	An	B	35	Y.B.	10 B 65	R	C	M	W	Secondary forest
132	MSL51B	397.48	799.57	South	—	An	B	50	B.	A15 B 80	R	C	S	W	Primary forest
133	MSL52B	396.67	799.41	South	—	An	B	35	Y.B.	10 B 60	R	C	F	W	Primary forest
134	MSL53B	396.86	799.54	South	Altered zone	An	B	35	Y.B.	A15 B 60	R	C	M	W	Primary forest
135	MSL54B	397.06	799.71	South	Altered zone	An	B	35	Y.B.	10 B 60	R	C	M	W	Primary forest
136	MSL55B	397.26	799.83	South	Altered An.	An	B	35	Y.B.	A15 B 60	R	C	S	W	Primary forest
137	MSL56B	396.16	799.40	South	—	An	B	35	B.	A15 B 80	R	C	F	W	Secondary forest
138	MSL57B	396.23	799.71	South	—	An	B	30	B.	A 20 B 60	R	C	F	W	Secondary forest
139	MSL58B	396.11	799.95	South	Altered An.	An	B	30	P.B.	5 B 100	R	C	F	W	Primary forest
140	MSL59B	396.33	800.17	Southeast	Altered An.	An	B	30	P.B.	5 B 80	R	C	F	W	Primary forest
141	MSL60B	396.52	800.28	Southeast	Altered An.	An	B	35	P.B.	10 B 100	R	C	M	W	Primary forest

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

Area: Mantri
Sample Media: Soil (B)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
142	MSL61B	396.70	800.41	Southeast	Altered An.	An	B	25	P.B.	5 B 100	R	C	M	W	Primary forest
143	MSL62B	396.90	800.34	Southeast	Altered An.	An	B	20	Y.B.	5 B 70	R	C	M	W	Primary forest
144	MSL63B	397.16	800.22	Southeast	Altered An.	An	B	30	Y.B.	5 B 75	R	C	S	W	Primary forest
145	MSL64B	397.19	800.41	Southeast	Altered An.	An	B	30	D.B.	5 B 70	R	C	S	W	Primary forest
146	MSL65B	396.81	800.62	Southeast	Altered An.	An	B	40	Y.B.	5 B 100	R	C	S	W	Primary forest
147	MSL66B	396.93	800.83	Southeast	Altered An.	An	B	30	Y.B.	5 B 70	R	C	M	W	Primary forest
148	MSL67B	396.09	800.28	Camp	Altered An.	An	B	20	P.B.	5 B 80	R	C	M	W	Primary forest
149	MSL68B	396.21	800.47	Camp	Altered An.	An	B	20	P.B.	5 B 60	R	C	M	W	Primary forest
150	MSL69B	396.28	800.70	Camp	Altered An.	An	B	20	P.B.	5 B 80	R	C	M	W	Primary forest
151	MSL70B	395.92	800.33	Camp	Altered An.	An	B	30	P.B.	5 B 100	R	S	M	W	Primary forest
152	MSL71B	395.94	800.68	Camp	Altered An.	An	B	30	P.B.	10 B 70	R	C	M	W	Primary forest
153	MSL72B	399.80	800.54	North	—	P_4Kg	B	20	Y.B.	5 B 50	R	S	M	W	Primary forest
154	MSL73B	398.43	799.47	Center	—	An	B	40	B.	10 B 70	R	C	M	W	Primary forest
155	MSL74B	398.43	799.94	Center	—	An	B	45	Y.B.	10 B 80	R	C	S	W	Primary forest
156	MSL75B	398.25	799.70	Center	Altered An.	An	B	45	R.B.	10 B 60C 80	R	C	S	W	Primary forest
157	MSL76B	397.84	799.33	Center	—	An	B	30	B.	10 B 50	R	C	F	W	Primary forest
158	MSL77B	398.07	800.04	Center	Altered An.	An	B	35	Y.B.	A15 B 70	R	C	M	W	Primary forest
159	MSL78B	397.85	800.36	Center	Altered An.	An	B	35	R.B.	A15 B 60	R	C	M	W	Primary forest
160	MSL79B	397.76	799.87	Center	Altered An.	An	B	35	Y.B.	10 B 70	R	C	S	W	Secondary forest
161	MSL80B	397.54	800.73	East	—	An	B	40	Y.B.	10 B 70	R	C	S	W	Primary forest
162	MSL81B	399.18	800.88	Northeast	—	An	B	35	B.	A 20 B 70	R	C	F	W	Secondary forest

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

Area: Mantri
Sample Media: Soil (C)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
163	MSL01C	397.84	798.01	West	—	An	B	60	B.	A15 B 60	R	C	F	W	Secondary forest
164	MSL02C	397.87	798.18	West	—	An	B	50	B.	A 20 B 70	R	C	M	W	Secondary forest
165	MSL03C	398.95	801.09	Northeast	—	P_4Kg	B	50	D.B.	A 20 B 60	R	C	F	W	Secondary forest
166	MSL04C	399.89	799.47	North	S.S. & shale	P_4Kg	B	60	P.B.	5 B 65	F	C	F	W	Primary forest
167	MSL05C	400.27	800.74	North	S.S. & shale	P_4Kg	B	60	B.	5 B 70	F	C	F	W	Plantation
168	MSL06C	400.19	800.39	North	S.S. & shale	P_4Kg	B	65	P.B.	10 B 70	F	C	F	W	Plantation
169	MSL07C	400.04	800.19	North	Pyroclastics	P_4Kg	B	60	B.	A15 B 70	F	C	S	W	Plantation
170	MSL08C	399.99	799.88	North	Pyroclastics	P_4Kg	B	60	P.B.	A 20 B 70	F	C	F	W	Secondary forest
171	MSL09C	399.83	799.64	North	S.S. & shale	P_4Kg	B	45	Y.B.	10 B 50	F	C	M	W	Primary forest
172	MSL10C	399.52	801.23	Northeast	Sandstone	P_4Kg	B	60	Y.B.	10 B 80	R	C	F	W	Plantation
173	MSL11C	399.65	800.90	Northeast	—	P_4Kg	B	50	Y.B.	10 B 60	R	C	F	W	Plantation
174	MSL12C	399.52	800.64	Northeast	—	P_4Kg	B	50	Y.B.	10 B 80	F	C	F	W	Secondary forest
175	MSL13C	399.37	800.45	Northeast	Mudstone	P_4Kg	B	50	Y.B.	10 B 60	F	C	M	W	Secondary forest
176	MSL14C	399.24	800.27	Northeast	Altered An.	An	B	45	Y.B.	10 B 55	M	C	M	W	Primary forest
177	MSL15C	399.42	801.16	Northeast	—	P_4Kg	B	55	B.	A 20 B 70	F	C	F	W	Plantation
178	MSL16C	399.31	800.88	Northeast	—	P_4Kg	B	50	B.	A 20 B 80	F	C	F	W	Secondary forest
179	MSL17C	399.16	800.76	Northeast	—	P_4Kg	B	60	B.	A15 B 80	R	C	F	W	Secondary forest
180	MSL18C	399.17	801.12	Northeast	—	P_4Kg	B	60	B.	A15 B 80	F	C	F	W	Plantation
181	MSL19C	398.72	801.04	Northeast	Mudstone	P_4Kg	B	55	D.B.	A15 B 70	F	C	M	W	Secondary forest
182	MSL20C	398.99	800.82	Northeast	—	P_4Kg	B	60	B.	A15 B 80	R	C	F	W	Secondary forest
183	MSL21C	398.56	800.94	Northeast	Sandstone	P_4Kg	B	50	D.B.	A15 B 60	F	C	M	W	Secondary forest
184	MSL22C	398.37	800.92	Northeast	Mudstone	P_4Kg	B	50	D.B.	A15 B 60	R	C	M	W	Secondary forest
185	MSL23C	397.69	797.91	West	Andesite	An	B	60	B.	A 20 B 70	R	C	F	W	Secondary forest
186	MSL24C	397.55	798.06	West	—	An	B	60	B.	A15 B 80	R	C	M	W	Secondary forest
187	MSL25C	397.95	797.90	West	Altered An.	An	B	60	B.	A15 B 80	R	C	F	W	Secondary forest
188	MSL26C	397.74	797.82	West	—	An	B	55	B.	A 20 B 70	R	C	F	W	Secondary forest
189	MSL27C	397.67	798.12	West	—	An	B	60	B.	A 20 B 70	F	C	F	W	Secondary forest
190	MSL28C	397.56	798.28	West	—	An	B	55	B.	A 20 B 70	F	S	F	W	Secondary forest
191	MSL29C	397.85	798.48	West	—	An	B	65	B.	A15 B 80	R	C	F	W	Secondary forest
192	MSL30C	397.63	798.54	West	—	An	B	50	B.	A 20 B 60	R	C	F	W	Secondary forest

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

Area: Mantri
Sample Media: Soil (C)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
193	MSL31C	397.71	798.75	West	—	An	B	50	B.	A15 B 55	F	S	F	W	Secondary forest
194	MSL32C	397.98	798.74	West	—	An	B	55	B.	A 20 B 70	R	C	F	W	Secondary forest
195	MSL33C	398.08	798.93	West	—	An	B	50	B.	A 20 B 60	R	C	F	W	Secondary forest
196	MSL34C	395.82	798.05	Southwest	—	An	B	60	P.B.	A 20 B 80	R	C	F	W	Secondary forest
197	MSL35C	395.99	798.28	Southwest	—	An	B	60	B.	A15 B 75	R	C	F	W	Secondary forest
198	MSL36C	396.27	798.27	Southwest	Altered An.	An	B	50	B.	A15 B 60	R	C	F	W	Secondary forest
199	MSL37C	396.73	798.17	Southwest	—	An	B	60	P.B.	A 30 B 70	R	C	F	W	Secondary forest
200	MSL38C	396.83	798.31	Southwest	Andesite	An	B	70	B.	A 20 B 80	R	C	F	W	Secondary forest
201	MSL39C	396.11	798.63	Southwest	—	An	B	50	D.B.	A 20 B 60	R	S	F	W	Primary forest
202	MSL40C	396.26	798.90	South	—	An	B	50	D.B.	A 20 B 60	R	S	F	W	Primary forest
203	MSL41C	396.48	798.91	South	—	An	B	50	B.	A15 B 55	R	C	F	W	Primary forest
204	MSL42C	396.68	798.96	South	—	An	B	50	B.	A 20 B 60	R	C	F	W	Primary forest
205	MSL43C	396.85	799.03	South	—	An	B	50	B.	A 20 B 100	R	C	F	W	Secondary forest
206	MSL44C	397.12	798.81	South	—	An	B	60	B.	A15 B 75	R	C	F	W	Secondary forest
207	MSL45C	397.16	799.07	South	—	An	B	40	P.B.	A 20 B 50C 70	R	C	F	W	Secondary forest
208	MSL46C	396.49	799.15	South	Andesite	An	B	60	Y.B.	A15 B 70	R	C	F	W	Primary forest
209	MSL47C	396.80	799.19	South	—	An	B	60	Y.B.	A15 B 70	R	C	F	W	Primary forest
210	MSL48C	397.04	799.30	South	—	An	B	60	Y.B.	10 B 70	R	C	M	W	Secondary forest
211	MSL49C	397.31	799.34	South	Altered An.	An	B	40	Y.B.	10 B 50	M	C	M	W	Primary forest
212	MSL50C	397.59	799.35	South	—	An	B	50	Y.B.	10 B 65	R	C	M	W	Secondary forest
213	MSL51C	397.48	799.57	South	—	An	B	75	B.	A15 B 80	R	C	S	W	Primary forest
214	MSL52C	396.67	799.41	South	—	An	B	50	Y.B.	10 B 60	R	C	F	W	Primary forest
215	MSL53C	396.86	799.54	South	Altered zone	An	B	50	Y.B.	A15 B 60	R	C	M	W	Primary forest
216	MSL54C	397.06	799.71	South	Altered zone	An	B	50	Y.B.	10 B 60	R	C	M	W	Primary forest
217	MSL55C	397.26	799.83	South	Altered An.	An	B	50	Y.B.	A15 B 60	R	C	S	W	Primary forest
218	MSL56C	396.16	799.40	South	—	An	B	70	B.	A15 B 80	R	C	F	W	Secondary forest
219	MSL57C	396.23	799.71	South	—	An	B	50	B.	A 20 B 60	R	C	F	W	Secondary forest
220	MSL58C	396.11	799.95	South	Altered An.	An	B	70	P.B.	5 B 100	R	C	F	W	Primary forest
221	MSL59C	396.33	800.17	Southeast	Altered An.	An	B	65	P.B.	5 B 80	R	C	F	W	Primary forest
222	MSL60C	396.52	800.28	Southeast	Altered An.	An	B	70	P.B.	10 B 100	R	C	M	W	Primary forest

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

Area: Mantri
Sample Media: Soil (C)

Ser. No.	Sample No.	Coordinates N	Coordinates E	Location	Rock Name	Geolo. Unit	Horizon of Soil	Depth (Cm)	Color	Soil Profile	G. *1	S. *2	T. *3	H. *4	Vegitation
223	MSL61C	396.70	800.41	Southeast	Altered An.	An	B	75	P.B.	5 B 100	R	C	M	W	Primary forest
224	MSL62C	396.90	800.34	Southeast	Altered An.	An	B	60	Y.B.	5 B 70	R	C	M	W	Primary forest
225	MSL63C	397.16	800.22	Southeast	Altered An.	An	B	60	Y.B.	5 B 75	R	C	S	W	Primary forest
226	MSL64C	397.19	800.41	Southeast	Altered An.	An	B	60	D.B.	5 B 70	F	C	S	W	Primary forest
227	MSL65C	396.81	800.62	Southeast	Altered An.	An	B	90	Y.B.	5 B 100	R	C	S	W	Primary forest
228	MSL66C	396.93	800.83	Southeast	Altered An.	An	B	65	Y.B.	5 B 70	F	C	M	W	Primary forest
229	MSL67C	396.09	800.28	Camp	Altered An.	An	B	60	P.B.	5 B 80	R	C	M	W	Primary forest
230	MSL68C	396.21	800.47	Camp	Altered An.	An	B	60	P.B.	5 B 80	R	C	M	W	Primary forest
231	MSL69C	396.28	800.70	Camp	Altered An.	An	B	60	P.B.	5 B 80	R	C	M	W	Primary forest
232	MSL70C	395.92	800.33	Camp	Altered An.	An	B	75	P.B.	5 B 100	R	C	M	W	Primary forest
233	MSL71C	395.94	800.68	Camp	Altered An.	An	B	60	Y.B.	10 B 70	R	C	M	W	Primary forest
234	MSL72C	399.80	800.54	North	—	P_4Kg	B	40	Y.B.	5 B 60	R	S	M	W	Primary forest
235	MSL73C	398.43	799.47	Center	—	An	B	60	B.	10 B 70	R	C	M	W	Primary forest
236	MSL74C	398.43	799.94	Center	—	An	B	65	Y.B.	10 B 80	R	C	S	W	Primary forest
237	MSL75C	398.25	799.70	Center	Altered An.	An	B	55	R.B.	10 B 80C 80	F	C	S	W	Primary forest
238	MSL76C	397.84	799.33	Center	—	An	B	45	B.	10 B 50	R	C	F	W	Primary forest
239	MSL77C	398.07	800.04	Center	Altered An.	An	B	60	Y.B.	A15 B 70	R	C	M	W	Primary forest
240	MSL78C	397.85	800.36	Center	Altered An.	An	B	50	R.B.	A15 B 60	R	C	M	W	Primary forest
241	MSL79C	397.76	799.87	Center	Altered An.	An	B	60	Y.B.	10 B 70	R	C	S	W	Secondary forest
242	MSL80C	397.54	800.73	East	—	An	B	60	Y.B.	10 B 70	R	C	S	W	Primary forest
243	MSL81C	399.18	800.88	Northeast	—	An	B	60	B.	A 20 B 70	R	C	F	W	Secondary forest

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