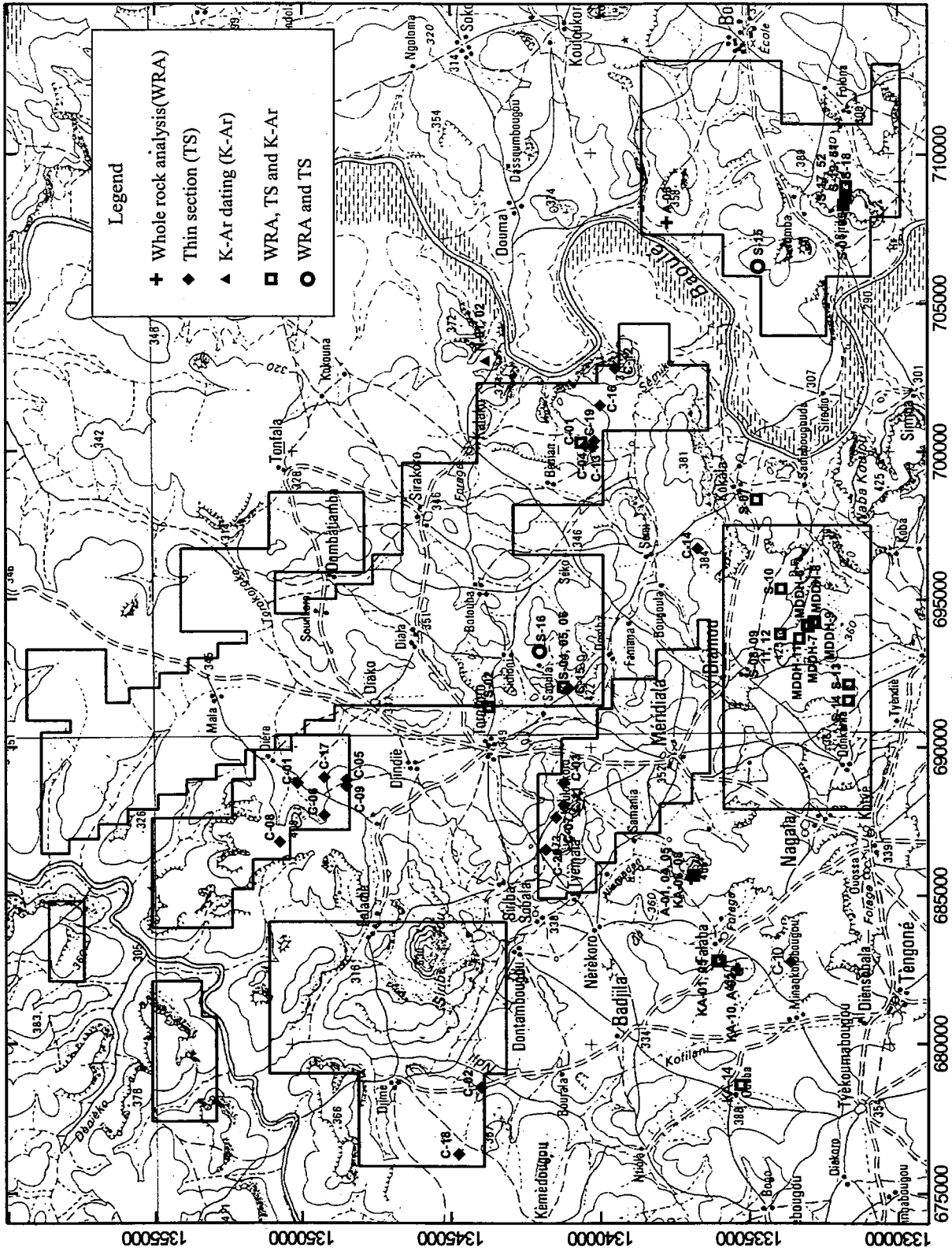


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Location map of rocks

List of sampling location

No.	Sample	Location (UTM)		Field name	Analysis		
		Easting	Northing		TS	WRA	Dating
1	A-01	685,564	1,336,955	Basalt		○	
2	A-02	682,500	1,335,423	Pegmatite		○	
3	A-03	707,700	1,337,750	Diorite		○	
4	A-04	685,669	1,336,867	Granite		○	
5	A-05	685,567	1,336,955	Gabbro		○	
6	C-01	688,790	1,350,150	Diorite	○		
7	C-02	678,546	1,344,000	Dolerite	○		
8	C-03	688,784	1,341,246	Diorite	○		
9	C-04	700,200	1,340,500	Diorite	○		
10	C-05	688,900	1,348,500	Diorite	○		
11	C-06	687,700	1,349,250	Schist	○		
12	C-07	687,635	1,341,500	Fine gd. Mb. Bt. Granite	○		
13	C-08	686,800	1,350,750	Diorite	○		
14	C-09	688,680	1,348,500	Diorite	○		
15	C-10	682,760	1,333,630	Fine gd. Bt. Granite	○		
16	C-11	688,060	1,341,243	Diorite	○		
17	C-12	702,800	1,339,500	Diorite	○		
18	C-13	700,150	1,340,250	Basalt	○		
19	C-14	696,717	1,376,717	Diorite	○		
20	C-15	692,000	1,341,061	Diorite	○		
21	C-16	701,550	1,340,000	Weakly gnissose Bt.Hb.Granodiorite	○		
22	C-17	688,982	1,349,250	Diorite	○		
23	C-18	676,310	1,344,750	Diorite	○		
24	C-19	700,360	1,340,200	Diorite	○		
25	C-20	686,540	1,341,843	Fine gd.Mb. Bt.Granite	○		
26	KA-01	682,799	1,336,063	Fine gd. Bt Granite	○	○	○
27	KA-05	682,765	1,335,997	Pegmatite	○	○	○
28	KA-06	685,669	1,336,867	Pegmatite	○	○	○
29	KA-08	685,672	1,336,869	Fine gd. Bt Granite	○	○	○
30	KA-10	682,500	1,335,423	Pegmatite	○	○	○
31	KA-14	678,618	1,335,303	Granite	○	○	○
32	MDDH-6, 104.7m	694,129	1,333,047	Silicified Quartz porphyry	○	○	○
33	MDDH-6, 157.0m	694,129	1,333,047	M.gd.Granite(Diorite)	○	○	○
34	MDDH-7, 52.4m	694,079	1,333,005	Quartz porphyry	○	○	○
35	MDDH-7, 78.2m	694,079	1,333,005	Granite(Diorite)	○	○	○
36	MDDH-7, 88.6m	694,079	1,333,005	Granite(Diorite)	○	○	○
37	MDDH-8, 130.3m	694,197	1,332,778	Quartz porphyry	○	○	○
38	MDDH-8, 134.3m	694,197	1,332,778	Granite(Diorite)	○	○	○
39	MDDH-8, 135.2m	694,197	1,332,778	Granite(Diorite)	○	○	○
40	MDDH-9, 76.8m	694,251	1,332,823	Granite(Diorite)	○	○	○
41	MDDH-11, 105m	693,677	1,333,320	Quartz porphyry	○	○	○
42	N-01	703,050	1,343,800	Coarse gd. Bt.Granite	○	○	○
43	N-02	703,050	1,343,800	Coarse gd. Bt.Granite			○
44	S-01	700,294	1,340,642	Diorite	○	○	○
45	S-02	691,372	1,343,721	Diorite	○	○	○
46	S-04	691,999	1,341,209	Diorite	○	○	
47	S-05	692,050	1,341,245	Diorite	○	○	○
48	S-06	692,050	1,341,240	Dolerite	○	○	○
49	S-07	698,366	1,334,765	Diorite	○	○	○
50	S-08	693,826	1,333,965	Weakly gnissose Bt.Hb.Granodiorite	○	○	
51	S-09	693,826	1,333,965	Fine gd.Mb. Bt.Granite	○	○	
52	S-10	695,351	1,333,934	Granite	○	○	○
53	S-11	693,826	1,333,965	Granite	○	○	
54	S-12	693,826	1,333,965	Fine gd.Mb. Bt.Granite	○	○	○
55	S-13	692,120	1,331,655	Granite	○	○	○
56	S-14	691,572	1,331,669	Granite	○	○	○
57	S-15	706,231	1,334,707	Diorite	○	○	
58	S-16	693,245	1,342,040	Diorite	○	○	
59	S-17	708,574	1,331,746	Granite	○	○	○
60	S-18	708,921	1,331,746	Granite	○	○	○
61	S-19	708,301	1,331,828	Granite	○	○	○
62	S-20			Diorite	○	○	
63	S-21			Diorite	○	○	○
64	S-51	708,301	1,331,828	Granite			○
65	S-52	708,574	1,331,746	Granite			○
66	S-53	Sagala		Granite	○	○	○
67	S-54	Sagala		Granite		○	
68	SS-1			Diorite?	○	○	
69	SS-2	694,197	1,332,778	Shist	○		
70	SS-3	694,197	1,332,778	Shist	○		

Microscopic observation of thin section (1/8)

No. 1 C-01 Two-pyroxene dolerite

Dolerite with ophitic texture. Orthopyroxene is small and abundant, and surrounded by actinolite. Plagioclase is sometimes replaced by saussurite. Biotite and clinopyroxene are sometimes replaced by chlorite and actinolite. Biotite occupies interstitial space. Other interstitial spaces are filled by micrographic aggregate of quartz and K-feldspar. Secondary minerals such as prehnite, muscovite, chlorite and calcite replace glassy interstitial material. Opaque mineral is common.

No. 2 C-10 Muscovite-biotite granite

Granite with equigranular texture of quartz, plagioclase, K-feldspar, biotite and muscovite. K-feldspar shows perthitic and myrmekitic texture and rarely microcline twinning. Biotite is sometimes replaced by chlorite, and plagioclase is rarely replaced by saussurite, muscovite and epidote. Quartz usually shows wavy extinction. Titanite, apatite and opaque mineral occur as accessory minerals.

No. 3 C-11 Two-pyroxene dolerite

Dolerite with ophitic texture. Orthopyroxene is abundant and sometimes observed as large grain (1.5~2mm). Orthopyroxene is partly replaced by chlorite along cleavage and cracks, and plagioclase is sometimes replaced by saussurite. Biotite and clinopyroxene are sometimes replaced by chlorite and actinolite. Biotite occupies interstitial spaces. Other interstitial spaces are filled by micrographic aggregate of quartz and K-feldspar. Secondary minerals such as prehnite, muscovite, chlorite and calcite replace glassy interstitial material. Opaque mineral is common.

No. 4 C-12 Fine-grained Dolerite

Dolerite with subophitic texture of plagioclase and augite. Biotite is also common in interstitial spaces. Secondary minerals such as muscovite, chlorite and chlorite replace glassy interstitial material. Opaque mineral is common.

No. 5 C-13 Fine-grained Dolerite

Dolerite with intersertal texture of plagioclase and augite. Biotite is also common in interstitial spaces. Other interstitial spaces are filled by micrographic aggregate of quartz and K-feldspar. Secondary minerals such as muscovite and calcite replace glassy interstitial material. Opaque mineral is common.

No. 6 C-14 Two-pyroxene dolerite

Dolerite with ophitic texture. Orthopyroxene is small and surrounded by actinorite, and plagioclase is sometimes replaced by saussurite. Biotite and clinopyroxene are sometimes replaced by chlorite and actinolite. Biotite occupies interstitial spaces. Other interstitial spaces are filled by micrographic aggregate of quartz and K-feldspar. Secondary minerals such as prehnite, muscovite, chlorite and calcite replace glassy interstitial material. Opaque mineral is common.

No. 7 C-15 Two-pyroxene dolerite

Dolerite with ophitic texture. Orthopyroxene is abundant and sometimes observed as large grain (1.5~2mm). Orthopyroxene is partly replaced by serpentine along cleavage and cracks, and plagioclase is sometimes replaced by saussurite. Biotite and clinopyroxene are sometimes replaced by actinolite and chlorite. Biotite occupies interstitial spaces. Other interstitial spaces are filled by micrographic aggregate of quartz and K-feldspar. Secondary minerals such as prehnite, muscovite and chlorite replace glassy interstitial material. Opaque mineral is common.

Microscopic observation of thin section (2/8)

No. 8 C-16 Muscovite-biotite granite

Granite with equigranular texture of quartz, plagioclase, K-feldspar, biotite and muscovite. K-feldspar shows microcline twinning and perthitic and myrmekitic texture. Biotite is sometimes replaced by chlorite, and plagioclase is rarely replaced by saussurite, muscovite and epidote. Quartz usually shows wavy extinction. Titanite, apatite and opaque mineral occur as accessory minerals.

No. 9 C-17 Two-pyroxene dolerite

Dolerite with ophitic texture. Orthopyroxene is abundant and sometimes observed as large grain (1.5~2mm). Orthopyroxene is partly replaced by chlorite along cleavage and cracks, and plagioclase is sometimes replaced by saussurite. Biotite and clinopyroxene are sometimes replaced by chlorite and actinolite. Biotite occupies interstitial spaces. Other interstitial spaces are filled by micrographic aggregate of quartz and K-feldspar. Secondary minerals such as prehnite, muscovite and chlorite replace glassy interstitial material. Opaque mineral is common.

No. 10 C-18 Muscovite-biotite granite

Granite with equigranular texture of quartz, plagioclase, K-feldspar, biotite and muscovite. K-feldspar shows microcline twinning and perthitic and myrmekitic texture. Biotite is sometimes replaced by chlorite, and plagioclase is rarely replaced by saussurite, muscovite and epidote. Quartz usually shows wavy extinction. Titanite, apatite and opaque mineral occur as accessory minerals.

No. 11 C-19 Two-pyroxene dolerite

Dolerite with ophitic texture. Orthopyroxene is abundant and sometimes observed as large grain (1.5~2mm). Orthopyroxene is partly replaced by chlorite along cleavage and cracks, and plagioclase is sometimes replaced by saussurite. Biotite and clinopyroxene are sometimes replaced by chlorite and actinolite. Biotite occupies interstitial spaces. Other interstitial spaces are filled by micrographic aggregate of quartz and K-feldspar. Secondary minerals such as prehnite, muscovite and chlorite replace glassy interstitial material. Opaque mineral is common.

No. 12 C-02 Slag after iron ore

This rock consists of olivine and minor pyroxene, and dendritic, elongated olivine shows spinifex texture along dark-colored grassy material. This rock looks like komatiite, but olivine has very low Fo content and is close to fayalite composition ($2V(-)50^\circ$). So we think that this rock is a slag after iron ore. Magnetite occurs as an opaque mineral.

No. 13 C-20 Muscovite granite

Granite with equigranular texture of quartz, plagioclase, K-feldspar and muscovite. K-feldspar shows perthitic and myrmekitic texture and rarely microcline twinning. Biotite is sometimes replaced by chlorite, and plagioclase is rarely replaced by saussurite, muscovite and epidote. Quartz usually shows wavy extinction. Opaque mineral is free.

No. 14 C-03 Hornblende hornfels

Hornfels with blastoporphyritic texture of quartz, augite, green hornblende and cordierite. Quartz vein is observed. Secondary minerals such as sphene, muscovite, chlorite and calcite replace glassy interstitial material. Titanomagnetite and magnetite occurs as an opaque mineral.

Microscopic observation of thin section (3/8)

No.15 C-04 Two-pyroxene dolerite

Dolerite with ophitic texture. Orthopyroxene is small and abundant, and surrounded by actinolite. Plagioclase is sometimes replaced by saussurite. Biotite and clinopyroxene are sometimes replaced by chlorite and actinolite. Biotite occupies interstitial spaces. Other interstitial spaces are filled by micrographic aggregate of quartz and K-feldspar. Secondary minerals such as prehnite, muscovite, chlorite and calcite replace glassy interstitial material. Opaque mineral is common.

No.16 C-05 Two-pyroxene dolerite

Dolerite mainly consists of plagioclase, clinopyroxene and orthopyroxene with ophitic texture. Orthopyroxene is rare. Interstitial spaces are filled by micrographic aggregate of quartz and K-feldspar. Biotite also occupies interstitial spaces and is often replaced by chlorite. Plagioclase is partly replaced by saussurite. Clinopyroxene and orthopyroxene are replaced chlorite, actinolite and calcite as secondary minerals. Apatite and opaque mineral occur as accessory minerals.

No.17 C-06 Biotite-muscovite schist

The well-developed schistosity is defined by the preferred orientation of biotite. Some biotite and muscovite grains are up to 0.5mm long. The matrix is composed of granoblastic aggregate of quartz, albite and tourmaline. Albite and quartz are boudin structure. Biotite is sometimes replaced by chlorite.

No.18 C-07 Aplite

A granitic rock composed of medium grained, with subhedral equigranular texture. It mainly composed of quartz, plagioclase, K-feldspar, muscovite, cordierite and biotite. K-feldspar shows microcline twinning. Plagioclase is rarely replaced by saussurite. Titanite, apatite and zircon occur as accessory minerals.

No.19 C-06 Two-pyroxene dolerite

Dolerite mainly consists of plagioclase, clinopyroxene and orthopyroxene with ophitic texture. Biotite occupies interstitial spaces, and is sometimes replaced by chlorite. Other interstitial spaces are filled by micrographic aggregate of quartz and K-feldspar. Plagioclase is replaced by saussurite. Clinopyroxene and orthopyroxene are replaced chlorite, actinolite and calcite as secondary minerals. Apatite and opaque mineral occur as accessory minerals.

No.20 C-09 Two-pyroxene dolerite

Dolerite mainly consists of plagioclase, clinopyroxene and orthopyroxene with ophitic texture. Interstitial spaces are occupied by micrographic aggregate of quartz and K-feldspar. Biotite fills other interstitial spaces, and is mainly replaced by chlorite. Plagioclase is mostly replaced by saussurite. Clinopyroxene and orthopyroxene are replaced chlorite and actinolite as secondary minerals. Opaque mineral and apatite are common as accessory minerals.

No.21 Ka-01 Biotite-quartz monzonite

A granitic rock composed of medium-grained, with subhedral equigranular texture. It mainly composed of quartz and K-feldspar, plagioclase, biotite. K-feldspar shows microcline twinning and myrmekitic texture. Biotite is sometimes replaced by chlorite, and plagioclase is partly replaced by saussurite. Titanite, zircon and opaque mineral occur as accessory minerals.

Microscopic observation of thin section (4/8)

No.22 Ka-05 Muscovite-garnet granite

Granite composed of medium-grained with equigranular texture. It consists of quartz, plagioclase, K-feldspar, muscovite, cordierite and garnet. K-feldspar mostly shows microcline twinning. Apatite, titanite and opaque mineral occur as accessory minerals. Plagioclase is rarely replaced by saussurite.

No.23 Ka-06 Pegmatite

A granitic rock composed of coarse-grained, subhedral equigranular aggregate of quartz, plagioclase, muscovite and K-feldspar. K-feldspar is rare and mostly shows microcline twinning. Opaque mineral occur as accessory minerals. Plagioclase is partly replaced by saussurite.

No.24 Ka-08 Biotite-quartz monzonite

A granitic rock composed of subhedral granular aggregate of quartz, K-feldspar, plagioclase and biotite. Myrmekite is partly observed and K-feldspar shows microcline twinning and perthitic texture. Plagioclase is partly replaced by saussurite and muscovite. Biotite is sometimes replaced by chlorite. Apatite, zircon and opaque mineral occur as accessory minerals.

No.25 Ka-14 Biotite-quartz monzonite

A granitic rock composed of subhedral granular aggregate of quartz, K-feldspar, plagioclase and biotite. Myrmekite is often observed and K-feldspar shows microcline twinning and perthitic texture. Plagioclase is partly replaced by saussurite and muscovite. Biotite is sometimes replaced by chlorite. Titanite, apatite and opaque mineral occur as accessory minerals.

No.26 MDDH-11, 105. Hornfels after quartz porphyry

Hornfelsic rock with porphyroblastic texture composed of plagioclase and K-feldspar and biotite. Phenocryst size is up to 0.8cm long. Biotite is sometimes replaced by chlorite. Plagioclase is partly replaced by saussurite and muscovite. The matrix is composed of granoblastic aggregate of quartz, plagioclase and opaque mineral. Titanite and opaque mineral occur as accessory minerals.

No.27 MDDH-6,104.7 Aplite

A granitic rock composed of medium grained, with subhedral equigranular texture. It mainly composed of quartz, plagioclase, muscovite, K-feldspar, cordierite and corundum. Biotite is rare. Mineral is sometimes replaced by chlorite, and plagioclase is rarely replaced by saussurite. Zircon and opaque mineral occur as accessory minerals.

No.28 MDDH-6,157.0 Actinolite-biotite hornfels after diorite

Hornfelsic rock consists of actinolite and plagioclase with porphyroclastic texture. Matrix is composed of plagioclase quartz and biotite. Plagioclase is sometimes replaced by saussurite, and biotite is rarely replaced by chlorite. Apatite, titanite and opaque mineral occur as accessory minerals.

No.29 MDDH-7,52.7 Hornfels after quartz porphyry

Hornfelsic rock with porphyroblastic texture composed of plagioclase and K-feldspar and biotite. Biotite defines the weak orientation, and is often replaced by chlorite. Plagioclase is partly replaced by saussurite and muscovite. The matrix is composed of granoblastic aggregate of quartz, plagioclase and opaque mineral. Titanite and opaque mineral occur as accessory minerals.

Microscopic observation of thin section (5/8)

No.30 MDDH-7,78.2 Actinolite-biotite hornfels after diorite

Hornfelsic rock consists of actinolite and plagioclase with porphyroclastic texture. Matrix is composed of plagioclase quartz and biotite. Plagioclase is sometimes replaced by saussurite. Biotite is rarely replaced by chlorite. Apatite titanite and opaque mineral occur as accessory minerals.

No. 31 MDDH-7. 8. 6 Actinolite-biotite hornfels after diorite

Hornfelsic rock with actinolite porphyries (1 mm on average). The matrix consists of plagioclase and quartz. Some plagioclases are large crystal up to 2 mm. Plagioclase is partly replaced by saussurite. Titanite, apatite, zircon and opaque mineral occur as accessory minerals. Some biotites are replaced by chlorite.

No. 32 MDDH-8. 130. 3 Aplite

Leucocratic tonalite with equigranular texture. It mainly consists of plagioclase, quartz, K-feldspar and muscovite. Biotite, opaque mineral and apatite occur as accessory minerals. Chlorite and calcite secondarily replace primary mineral.

No. 33 MDDH-8. 134. 3 Pegmatite

Coarse-grained leucocratic tonalite with equigranular texture. It mainly consists of plagioclase, quartz and muscovite. Biotite, apatite and opaque mineral occur as accessory minerals. Corundum is locally abundant. Chlorite and calcite secondarily replace primary mineral.

No. 34 MDDH-8. 135. 2 Actinolite biotite hornfels after diorite

Hornfelsic rock with actinolite porphyries (1 mm on average). The matrix consists of plagioclase, quartz, actinolite and biotite. Plagioclase is partly replaced by saussurite. Titanite, apatite, zircon and opaque mineral occur as accessory minerals. Some biotites are replaced by chlorite

No. 35 MDDH-9. 76. 8 Actinolite biotite hornfels after diorite

Hornfelsic rock with actinolite porphyries (1 mm on average). The matrix consists of plagioclase, quartz, actinolite and biotite. Plagioclase is partly replaced by saussurite. Titanite, apatite, zircon and opaque mineral occur as accessory minerals. Some biotites are replaced by chlorite.

No. 36 N-01 Hornblende-biotite granite

Granitic rock with equigranular texture. It consists of plagioclase, quartz, K-feldspar, biotite and hornblende. K-feldspar sometimes shows perthitic texture. Plagioclase sometimes shows myrmekitic texture, and is partly replaced by saussurite, muscovite and epidote. Some biotites are replaced by chlorite. Titanite, apatite and opaque mineral occur as accessory minerals.

No. 37 S-01 Two-pyroxene gabbro

Gabbro with subophitic texture. It consists of plagioclase, clinopyroxene and orthopyroxene with interstitial spaces filled by biotite and micrographic aggregate of quartz and K-feldspar. Plagioclase is partly replaced by saussurite and muscovite, and biotite, clinopyroxene and orthopyroxene are sometimes replaced by actinolite, talc and chlorite. Opaque mineral commonly occurs.

Microscopic observation of thin section (6/8)

No. 38 S-02 Two-pyroxene gabbro

Gabbro with subophitic texture. It consists of plagioclase, clinopyroxene and orthopyroxene (relatively minor) with interstitial spaces filled by biotite and micrographic aggregate of quartz and K-feldspar. As a whole, the rock is highly altered. Some orthopyroxenes are reined by inverted pigeonite, which consists of lamellar aggregate of augite and hyperthene. Plagioclase is partly replaced by saussurite, and biotite, clinopyroxene and orthopyroxene are sometimes replaced by actinolite, talc and chlorite. Opaque mineral commonly occurs.

No. 39 S-04 Two-pyroxene gabbro

Gabbro with subophitic texture. It consists of plagioclase, clinopyroxene and orthopyroxene (relatively abundant) with interstitial spaces filled by biotite and micrographic aggregate of quartz and K-feldspar. Plagioclase is partly replaced by saussurite, and biotite, clinopyroxene and orthopyroxene are sometimes replaced by actinolite, talc and chlorite. Opaque mineral commonly occurs.

No. 40 S-05 Gabbro

Gabbro with subophitic texture. It consists of plagioclase and clinopyroxene with interstitial spaces filled by biotite and micrographic aggregate of quartz and K-feldspar. Orthopyroxene is absent. Plagioclase is partly replaced by saussurite, and biotite and clinopyroxene are sometimes replaced by actinolite, talc and chlorite. Opaque mineral commonly occurs.

No. 41 S-06 Dolerite

Dolerite with ophitic texture. It consists of plagioclase, clinopyroxene and olivine (rare) with interstitial spaces filled by biotite and micrographic aggregate of quartz and K-feldspar. Plagioclase is partly replaced by saussurite. Biotite and clinopyroxene are sometimes replaced by actinolite, talc and chlorite. Olivine is replaced by serpentinite and talc. Opaque mineral commonly occurs.

No. 42 S-07 Two-pyroxene gabbro

Gabbro with subophitic texture. It consists of plagioclase, clinopyroxene and orthopyroxene with interstitial spaces filled by biotite and micrographic aggregate of quartz and K-feldspar. Some orthopyroxenes are reined by inverted pigeonite, which consists of lamellar aggregate of augite and hyperthene. Plagioclase is partly replaced by saussurite, and biotite, clinopyroxene and orthopyroxene are sometimes replaced by actinolite, talc and chlorite. Opaque mineral commonly occurs.

No. 43 S-09 Biotite-muscovite granite

Granite with equigranular texture. It consists of plagioclase, quartz, K-feldspar, biotite and muscovite. K-feldspar sometimes shows perthitic texture. Plagioclase sometimes shows myrmekitic texture, and is partly replaced by saussurite and muscovite. Some biotites are replaced by chlorite. Zircon, apatite and opaque mineral occur as accessory minerals.

No. 44 S-10 Biotite-quartz monzonite

Granitic rock with equigranular texture composed of plagioclase, K-feldspar, quartz and biotite. K-feldspar shows microcline twinning or perthitic texture. Plagioclase is partly replaced by saussurite and muscovite. Quartz usually shows wavy extinction. Some biotites are replaced by chlorite. Titanite, apatite and opaque mineral occur as accessory minerals.

Microscopic observation of thin section (7/8)

No. 45 S-11 Biotite-muscovite granite

Granitic rock with equigranular texture composed of plagioclase, K-feldspar, quartz, muscovite and biotite. K-feldspar shows microcline twinning or perthitic texture. Plagioclase sometimes shows myrmekitic texture, and is partly replaced by saussurite and muscovite. Quartz usually shows wavy extinction. Some biotites are replaced by chlorite. Titanite, apatite and opaque mineral occur as accessory minerals.

No. 46 S-12 Biotite-muscovite-quartz monzonite

Granitic rock with equigranular texture composed of plagioclase, K-feldspar, quartz, biotite and muscovite. K-feldspar shows microcline twinning or perthitic texture. Plagioclase sometimes shows myrmekitic texture, and is partly replaced by saussurite, muscovite and prehnite. Quartz usually shows wavy extinction. Some biotites are replaced by chlorite. Titanite, apatite and opaque mineral occur as accessory minerals.

No. 47 S-13 Biotite-quartz monzonite

Granitic rock with equigranular texture composed of plagioclase, K-feldspar, quartz and biotite with minor muscovite. K-feldspar shows microcline twinning or perthitic texture. Plagioclase sometimes shows myrmekitic texture, and is partly replaced by saussurite and muscovite. Quartz usually shows wavy extinction. Some biotites are replaced by chlorite. Titanite, apatite, zircon and opaque mineral occur as accessory minerals.

No. 48 S-14 Biotite-quartz monzonite

Granitic rock with equigranular texture composed of plagioclase, K-feldspar, quartz and biotite. K-feldspar shows microcline twinning or perthitic texture. Plagioclase sometimes shows myrmekitic texture, and is partly replaced by saussurite, muscovite and epidote. Quartz usually shows wavy extinction. Biotite is sometimes replaced by chlorite or calcite. Titanite, apatite and opaque mineral occur as accessory minerals.

No. 49 S-15 Two-pyroxene dolerite

Dolerite with ophitic texture. It consists of plagioclase, clinopyroxene and orthopyroxene with interstitial spaces filled by biotite and micrographic aggregate of quartz and K-feldspar. Plagioclase is partly replaced by saussurite. Biotite and clinopyroxene are sometimes replaced by actinolite and chlorite. Opaque mineral is commonly contained.

No. 50 S-16 Gabbro

Gabbro with subophitic texture. It consists of plagioclase and clinopyroxene with interstitial spaces filled by biotite and micrographic aggregate of quartz and K-feldspar. Orthopyroxene is absent. Plagioclase is partly replaced by saussurite, and biotite and clinopyroxene are sometimes replaced by actinolite, talc and chlorite. Opaque mineral is commonly contained.

No. 51 S-17 Hornblende-biotite-quartz monzonite

Granitic rock with equigranular texture composed of plagioclase, K-feldspar, quartz, hornblende and biotite. K-feldspar shows microcline twinning or perthitic texture. Plagioclase is partly replaced by saussurite and muscovite. Quartz usually shows wavy extinction. Some biotites are replaced by chlorite. Titanite, apatite, zircon, allanite and opaque mineral occur as accessory minerals.

Microscopic observation of thin section (8/8)

No. 52 S-18 Hornblende-biotite-quartz monzonite

Granitic rock with equigranular texture composed of plagioclase, K-feldspar, quartz, hornblende and biotite. K-feldspar shows microcline twinning or perthitic texture. Plagioclase is partly replaced by saussurite and muscovite. Quartz usually shows wavy extinction. Some biotites are replaced by chlorite and calcite. Titanite, apatite, zircon and opaque mineral occur as accessory minerals.

No. 53 S-19 Hornblende-biotite-quartz monzonite

Granitic rock with equigranular texture composed of plagioclase, K-feldspar, quartz, hornblende and biotite. K-feldspar shows microcline twinning or perthitic texture. Plagioclase is partly replaced by saussurite, muscovite and epidote. Quartz usually shows wavy extinction. Some biotites are replaced by chlorite. Titanite, apatite, zircon and opaque mineral occur as accessory minerals.

No. 54 S-20 Aplitic hornfels

Hornfelsic rock with fine-grained (< 0.5 mm) granoblastic texture. It consists of plagioclase, quartz and biotite. Titanite, apatite and opaque mineral occur as accessory minerals. A coarse-grained vein, which consists of plagioclase and quartz with minor biotite and muscovite, is contained.

No. 55 S-21 Aplitic hornfels

Hornfelsic rock with fine-grained (< 0.5 mm) granoblastic texture. It consists of plagioclase, quartz and biotite. Titanite, apatite and opaque mineral occur as accessory minerals.

No. 56 S-53 Biotite-quartz monzonite

Granitic rock with equigranular texture composed of plagioclase, K-feldspar, quartz and biotite. K-feldspar shows microcline twinning or perthitic and myrmekitic texture. Plagioclase is partly replaced by saussurite, muscovite and epidote. Quartz usually shows wavy extinction. Some biotites are replaced by chlorite. Titanite, apatite, zircon and opaque mineral occur as accessory minerals.

No. 57 S-8W Biotite-muscovite granite

Granitic rock with equigranular texture composed of plagioclase, K-feldspar, quartz, muscovite and biotite. K-feldspar shows microcline twinning or perthitic and myrmekitic texture. Plagioclase is partly replaced by saussurite, muscovite and epidote. Quartz usually shows wavy extinction. Some biotites are replaced by chlorite. Titanite, apatite and opaque mineral occur as accessory minerals.

No. 58 SS-1 Aplitic hornfels

Hornfelsic rock with fine-grained (< 0.5 mm) granoblastic texture. It consists of plagioclase, quartz and biotite. Plagioclase sometimes shows myrmekitic texture. Titanite, apatite and opaque mineral occur as accessory minerals.

No. 59 SS-2 Calcic chlorite schist

Low-grade, poorly recrystallized calcic schist. Biotite, which is usually replaced by chlorite, defines the weak schistosity. Quartz, albite and chloritoid occur as porphyroblast. Chloritoid is partly replaced by chlorite. Titanite, tourmaline and opaque mineral are common.

No. 60 SS-3 Tourmaline-chloritoid schist

Schist with well-developed schistosity defined by abundant tourmaline. The degree of recrystallization is relatively high. Quartz and chloritoid occur as porphyroblast. Titanite, chlorite and opaque mineral are common.

List of observation of thin section (1/3)

No.	Sample No.	Rock name	Texture	Mineral assemblages															Discription									
				Actinolite	Allanite	Albite	Apatite	Biotite	Calcite	Chlorite	Clinopyroxene	Cordierite	Chloritoid	Corundum	Epidote	Garnet	Hornblende	K-feldspar		Muscovite	Olivine	Opaque mineral	Orthopyroxene	Plagioclase	Quartz	Talc (?)	Titanite	Tourmaline
1	C-01	Dolerite	Ophitic	+																								Graphic texture is often observed.
2	C-10	Granite	Equigranular					+																			Chlorite is rarely observed. Perthite texture is rarely observed.	
3	C-11	Dolerite	Ophitic					+																			Graphic texture is often observed.	
4	C-12	Dolerite	Subophitic																								Grain size is fine, and biotite is secondary mineral.	
5	C-13	Dolerite	Subophitic																								Grain size is fine, and biotite is secondary mineral.	
6	C-14	Dolerite	Subophitic	+				+																			Graphic texture is often observed.	
7	C-15	Dolerite	Ophitic					○																			Graphic texture is often observed.	
8	C-16	Granite	Equigranular					○																			Chlorite is often observed. Perthite texture is observed.	
9	C-17	Dolerite	Ophitic					+																			Graphic texture is often observed.	
10	C-18	Granite	Equigranular					+																			Chlorite is often observed. Perthite texture is observed.	
11	C-19	Dolerite	Ophitic					+																			Graphic texture is often observed.	
12	C-02	Slag	spinifex																								Olivine have very low Fo content (Fayalite)	
13	C-20	Granite	Equigranular							○																	Cordierite is observed. Perthite texture is rarely observed.	
14	C-03	Hornfels	porphyritic																								Quartz vein and green hornblende are observed.	
15	C-04	Dolerite	Ophitic	+																							This rock have a high grade alteration, and is observed graphic texture.	
16	C-05	Dolerite	Ophitic	+																							Pyroxenes are often replaced by secondary minerals (e.g chlorite, calcite). Interstitial spaces are filled by micrographic texture.	
17	C-06	Shist	Shistose					○																			The shistosity is defined by the preferred orientation of biotite and muscovite.	
18	C-07	Aplite	Equigranular																								Plagioclase is rarely replaced by saussurite. K-feldspar shows microcline twinning.	
19	C-08	Dolerite	Ophitic	+																							Pyroxenes are often replaced by secondary minerals (e.g chlorite, calcite) and plagioclase by saussurite. Interstitial spaces are occupied by micrographic texture.	
20	C-09	Dolerite	Ophitic	+																							Pyroxenes are often replaced by secondary minerals (e.g chlorite) and plagioclase by saussurite. Interstitial spaces are occupied by micrographic texture.	
21	Ka-01	Granites	Equigranular																								K-feldspar shows microcline twinning. Biotite is sometimes replaced by chlorite. Myrmekite is often observed.	

Frequency: ⊙ = many, ○ = common, + = few, • = rare

List of observation of thin section (3/3)

No.	Sample No.	Rock name	Texture	Mineral assemblages																Discription											
				Actinolite	Allantite	Albite	Apatite	Biotite	Calcite	Chlorite	Chloropyroxene	Cordierite	Chloritoid	Corundum	Epidote	Garnet	Hornblende	K-feldspar	Muscovite		Olivine	Opaque mineral	Orthopyroxene	Plagioclase	Quartz	Talc (?)	Titanite	Tourmaline	Zircon		
41	S-06	Dolerite	Ophitic	⊙																		⊙	•	○							Actinolite, chlorite and talc are secondary mineral. Quartz and K-feldspar are micrographic aggregate. Some altered olivines are contained.
42	S-07	Gabbro	Subophitic	+																		⊙	+	○						Actinolite, chlorite and talc are secondary mineral. Quartz and K-feldspar are micrographic aggregate. Some orthopyroxenes are rimmed by inverted pegionite.	
43	S-09	Granite	Equigranular																			⊙	⊙	⊙						Chlorite is secondary mineral. Myrmekite is observed.	
44	S-10	Monzonite	Equigranular																			⊙	○	+						Chlorite is secondary mineral. Perthite is observed.	
45	S-11	Granite	Equigranular																			⊙	⊙	⊙						Chlorite is secondary mineral. Perthite and myrmekite are observed.	
46	S-12	Monzonite	Equigranular																			⊙	⊙	⊙						Chlorite is secondary mineral. Perthite and myrmekite are observed.	
47	S-13	Monzonite	Equigranular																			⊙	⊙	⊙						Chlorite is secondary mineral. Perthite and myrmekite are observed.	
48	S-14	Monzonite	Equigranular																			⊙	⊙	⊙						Chlorite and epidote are secondary mineral.	
49	S-15	Dolerite	Subophitic	○																		⊙	•	+						Actinolite, chlorite and talc are secondary mineral. Quartz and K-feldspar are micrographic aggregate.	
50	S-16	Gabbro	Subophitic	⊙																		⊙	⊙	○						Actinolite, chlorite and talc are secondary mineral. Quartz and K-feldspar are micrographic aggregate.	
51	S-17	Monzonite	Equigranular																			⊙	⊙	⊙						Chlorite is secondary mineral. Perthite is observed.	
52	S-18	Monzonite	Equigranular																			⊙	⊙	⊙						Chlorite is secondary mineral. Perthite is observed.	
53	S-19	Monzonite	Equigranular																			⊙	⊙	⊙						Chlorite and epidote are secondary mineral. Perthite is observed.	
54	S-20	Hornfels	Granoblastic																			⊙	⊙	⊙						Chlorite is secondary mineral. Myrmekite is observed.	
55	S-21	Hornfels	Granoblastic																			⊙	⊙	⊙						Chlorite is secondary mineral. Myrmekite is observed.	
56	S-53	Monzonite	Equigranular																			⊙	⊙	⊙	+					Chlorite and epidote are secondary mineral. Perthite is observed.	
57	S-8W	Granite	Equigranular																			⊙	⊙	⊙	•					Chlorite and epidote are secondary mineral. Perthite is observed.	
58	SS-1	Hornfels	Granoblastic																			⊙	⊙	⊙	•					Chlorite and epidote are secondary mineral.	
59	SS-2	Schist	Shistose	⊙																		⊙	⊙	⊙	•					Chlorite and epidote are secondary mineral.	
60	SS-3	Schist	Shistose	⊙																		⊙	⊙	⊙	○	+	⊙			Chlorite and epidote are secondary mineral.	

Frequency: ⊙ = many, ○ = common, + = few, • = rare

Results of age dating

No	Sample No	Rock name	Method K-Ar	Age, (Ma)	Uncertainty (Ma)	%K	⁴⁰ Ar _{rad} , nl/g	% ⁴⁰ Ar _{air}
1	Ka-01	Granites	Whole rock	1,616.8	42	2.43	242.5	1.6
2	Ka-05	Granites	Whole rock	1,604.2	41	2.81	277.2	1.1
3	Ka-06	Pegmatite	Whole rock	1,848.3	48	1.28	157.4	2.2
4	Ka-08	Granites	Whole rock	1,101.6	29	2.57	148.8	2.2
5	Ka-10	Granite	miscovite	2,136.0	56	7.17	1118.5	0.4
6	Ka-14	Granites	Whole rock	1,594.8	41	1.95	191.0	2.4
7	MDDH-6 104.7m	Aplite	Whole rock	1,780.0	46	2.14	247.3	1.5
8	MDDH-6 157m	Hornfels	Whole rock	1,822.9	47	2.23	268.4	1.9
9	MDDH-7 52.4m	Hornfels	Whole rock	1,067.2	28	3.25	180.5	1.1
10	MDDH-7 78.2m	Hornfels	Whole rock	1,815.7	47	2.10	250.4	2.0
11	MDDH-7 88.6m	Hornfels	Whole rock	1,848.2	48	2.00	246.0	1.5
12	MDDH-8 130.3m	Aplite	Whole rock	1,970.9	51	0.33	46.1	7.2
13	MDDH-8 135.2m	Pegmatite	Whole rock	1,779.4	46	1.83	213.2	1.8
14	MDDH-8 134.3m	Hornfels	Whole rock	1,804.0	47	2.21	261.5	1.5
15	MDDH-9 76.8m	Hornfels	Whole rock	1,866.3	48	1.68	209.7	1.6
16	MDDH-11 105.0m	Hornfels	Whole rock	902.2	23	3.83	171.0	1.9
17	N-01	Granite	Whole rock	1,724.7	44	3.58	394.2	0.7
18	N-02	Granite	biotite	2,010.0	52	6.95	978.1	0.2
19	S-01	Gabbro	Whole rock	287.5	8	0.71	8.5	28.8
20	S-02	Gabbro	Whole rock	215.8	6	0.92	8.0	37.8
21	S-05	Gabbro	Whole rock	275.4	8	0.90	10.2	30.6
22	S-06	Dolerite	Whole rock	241.1	7	0.71	7.1	36.8
23	S-07	Gabbro	Whole rock	208.3	7	0.54	4.5	50.4
24	S-10	Monzonite	Whole rock	1,103.3	29	4.04	234.3	2.1
25	S-12	Monzonite	Whole rock	1,594.1	41	2.73	266.4	1.4
26	S-13	Monzonite	Whole rock	1,279.3	33	3.83	272.0	1.8
27	S-14	Monzonite	Whole rock	1,400.5	36	3.75	302.5	2.8
28	S-17	Monzonite	Whole rock	1,745.1	45	2.95	331.1	1.2
29	S-18	Monzonite	Whole rock	1,697.4	44	3.55	381.5	1.0
30	S-19	Monzonite	Whole rock	1,812.4	47	2.97	353.2	1.0
31	S-21	Hornfels	Whole rock	1,813.3	47	1.97	235.2	1.4
32	S-51	Granite	biotite	2,042.0	53	6.08	879.1	0.6
33	S-52	Granite	biotite	2,136.0	56	5.63	878.5	0.5
34	S-53	Monzonite	Whole rock	1,362.0	26	3.89	301.5	1.6

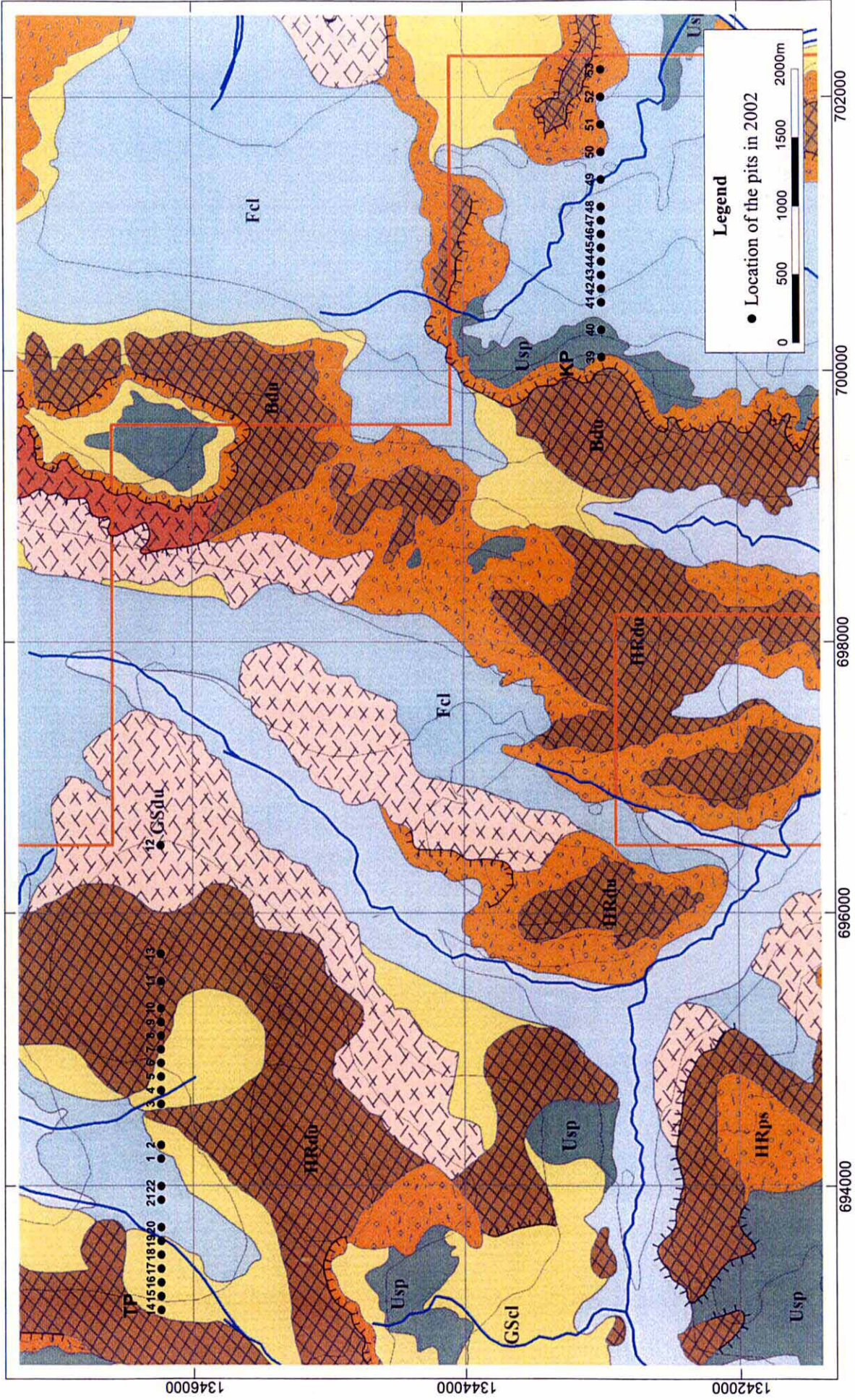
Chemical composition of intrusive rock

No.	SAMPLE	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	FeO %	CaO %	MgO %	Na ₂ O %	K ₂ O %	Cr ₂ O ₃ %	TiO ₂ %	MnO %	P ₂ O ₅ %	SrO %	BaO %	LOI %	Total %
1	A-01	51.37	13.93	3.98	8.17	10.71	6.57	2.15	0.72	0.04	1.18	0.19	0.13	0.03	0.02	0.99	99.36
2	A-02	70.58	16.00	0.73	1.42	2.12	0.63	5.84	1.45	0.02	0.29	0.02	0.18	0.11	0.10	0.64	99.99
3	A-03	50.24	15.19	3.79	7.20	11.37	7.17	2.11	0.86	0.05	0.94	0.19	0.12	0.03	0.02	1.16	99.72
4	A-04	66.88	18.86	0.19	0.45	1.01	0.06	6.97	2.70	<0.01	0.04	0.02	0.75	0.02	0.01	1.20	99.09
5	A-05	51.67	13.84	4.07	8.43	10.55	6.73	2.25	0.74	0.03	1.18	0.19	0.13	0.03	0.02	0.69	99.71
6	KA-01	71.36	15.58	0.55	1.16	1.77	0.50	4.71	3.42	<0.01	0.25	<0.01	0.11	0.10	0.14	0.56	100.10
7	KA-05	75.27	13.65	0.32	0.58	0.22	0.07	3.34	4.62	0.01	0.03	0.15	0.14	0.01	<0.01	0.85	99.19
8	KA-06	71.73	13.39	0.30	0.26	2.78	<0.01	5.61	1.08	0.01	0.02	0.09	2.12	0.04	<0.01	0.91	98.28
9	KA-08	70.55	15.72	0.55	1.42	1.70	0.64	4.65	3.47	0.01	0.30	0.03	0.12	0.10	0.12	0.54	99.78
10	KA-14	69.90	16.17	0.75	1.48	2.30	0.66	5.05	2.50	<0.01	0.33	0.01	0.13	0.12	0.10	0.53	99.87
11	MDDH-11, 105	67.30	16.22	0.80	2.19	2.13	1.79	3.91	3.89	0.01	0.28	0.03	0.12	0.15	0.12	0.89	99.62
12	MDDH-6, 104.7	71.23	16.35	0.13	0.26	0.37	0.09	6.31	2.67	<0.01	0.03	<0.01	0.29	0.01	<0.01	0.70	98.41
13	MDDH-6, 157.0	50.94	13.25	2.60	8.30	7.31	10.27	2.33	2.54	0.08	0.71	0.15	0.34	0.08	0.07	1.88	100.00
14	MDDH-7, 52.4	67.04	16.33	1.03	1.74	2.55	1.66	4.31	3.42	0.01	0.26	0.03	0.11	0.17	0.17	1.08	99.73
15	MDDH-7, 78.2	50.70	13.44	3.01	7.65	6.85	9.86	2.21	2.46	0.08	0.73	0.14	0.35	0.08	0.09	2.17	99.04
16	MDDH-7, 88.6	50.01	13.91	3.30	7.72	7.32	10.17	2.28	2.52	0.08	0.75	0.15	0.36	0.09	0.09	1.82	99.80
17	MDDH-8, 130.3	72.00	15.80	0.23	0.39	0.98	0.36	8.41	0.48	<0.01	0.02	<0.01	0.24	0.03	0.01	0.94	99.84
18	MDDH-8, 134.3	50.41	13.39	2.67	7.85	7.05	10.11	2.50	2.44	0.07	0.72	0.14	0.35	0.09	0.09	2.08	99.17
19	MDDH-8, 135.2	49.57	13.15	2.74	8.23	7.55	10.41	2.27	2.32	0.08	0.75	0.15	0.36	0.09	0.09	2.02	98.96
20	MDDH-9, 76.8	50.26	13.35	2.87	8.17	7.43	10.21	2.70	2.17	0.08	0.77	0.15	0.37	0.09	0.08	1.88	99.74
21	N-01	58.19	20.19	1.68	3.67	3.02	1.30	5.03	4.38	<0.01	0.65	0.07	0.21	0.11	0.87	0.74	99.73
22	S-01	51.02	14.38	4.07	8.10	10.68	6.83	2.24	0.82	0.02	1.08	0.19	0.13	0.04	0.03	1.10	99.91
23	S-02	50.96	13.44	4.71	8.81	9.36	5.61	2.42	1.09	0.01	1.31	0.22	0.19	0.04	0.04	1.02	98.34
24	S-04	50.16	14.80	3.86	7.08	11.38	7.67	2.18	0.79	0.06	0.92	0.17	0.13	0.02	0.03	0.99	99.52
25	S-05	51.14	14.27	4.88	8.30	9.87	5.84	2.41	1.06	0.01	1.23	0.20	0.17	0.02	0.02	1.05	99.65
26	S-06	50.63	13.86	3.90	8.62	10.29	7.47	2.27	0.88	0.04	1.08	0.18	0.16	0.02	0.03	0.93	99.49
27	S-07	50.92	15.30	3.80	6.75	11.99	7.23	2.07	0.63	0.02	0.83	0.18	0.08	0.03	0.02	0.82	99.99
28	S-08	71.07	14.92	0.41	0.96	1.50	0.36	4.46	3.66	0.01	0.18	<0.01	0.09	0.09	0.13	0.55	98.30
29	S-09	71.19	15.01	0.38	1.09	1.47	0.35	4.64	3.77	0.01	0.21	0.01	0.13	0.09	0.17	0.52	98.94
30	S-10	62.28	16.62	1.57	3.86	2.45	1.85	4.24	5.02	<0.01	0.71	0.05	0.36	0.06	0.10	0.58	99.36
31	S-11	70.04	15.67	0.64	1.48	2.10	0.72	4.88	3.06	<0.01	0.29	0.01	0.11	0.11	0.15	0.50	99.60
32	S-12	70.01	15.65	0.63	1.29	1.95	0.67	4.70	3.35	<0.01	0.28	0.01	0.11	0.10	0.13	0.54	99.28
33	S-13	64.12	16.43	1.52	3.15	2.01	1.55	4.32	4.97	<0.01	0.64	0.04	0.29	0.06	0.10	0.72	99.61
34	S-14	63.36	16.45	1.47	3.54	2.28	1.61	4.22	4.91	<0.01	0.66	0.05	0.32	0.07	0.10	0.65	99.33
35	S-15	49.50	14.60	3.50	7.27	11.67	8.69	1.79	0.66	0.09	0.77	0.23	0.10	0.02	0.03	0.92	99.13
36	S-16	51.49	14.02	4.55	8.81	10.02	5.97	2.25	1.08	0.01	1.24	0.22	0.16	0.02	0.04	0.98	99.97
37	S-17	62.56	17.16	1.43	3.73	3.47	2.31	4.71	3.65	0.01	0.47	0.04	0.17	0.07	0.08	0.57	100.05
38	S-18	65.75	15.61	1.26	3.15	2.79	1.89	4.26	3.90	0.01	0.39	0.04	0.14	0.05	0.08	0.64	99.64
39	S-19	65.12	15.81	1.48	3.34	2.83	1.94	4.23	3.94	0.01	0.44	0.04	0.14	0.05	0.08	0.55	99.68
40	S-20	62.69	16.12	1.56	4.37	3.26	2.54	4.23	3.76	0.01	0.46	0.06	0.17	0.05	0.08	0.61	99.55
41	S-21	66.19	15.16	1.47	4.25	2.70	2.09	3.96	2.34	0.01	0.53	0.04	0.16	0.06	0.07	0.81	99.43
42	S-53	63.80	16.67	1.42	3.47	2.26	1.62	4.14	5.06	<0.01	0.64	0.04	0.31	0.06	0.11	0.73	99.98
43	S-54	76.61	10.58	1.32	3.34	1.79	1.55	1.58	2.26	0.02	0.41	0.04	0.04	0.04	0.07	0.62	99.95
44	SS-1	65.97	16.41	1.91	1.22	0.09	1.90	0.27	8.99	0.02	0.31	0.01	0.05	0.03	0.12	2.32	99.49

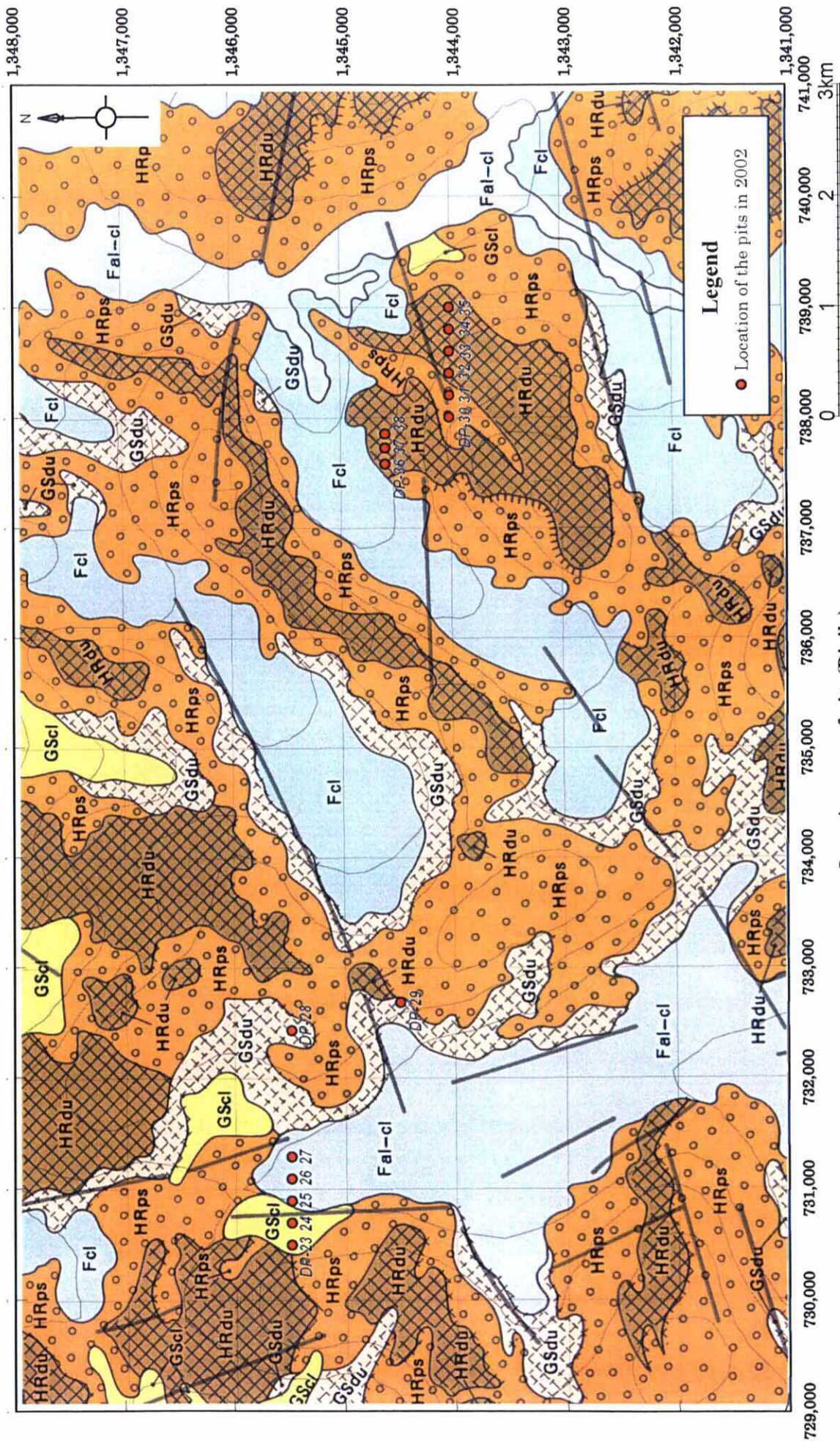
Ap.6 Location map of pits

Ap.7 Pit columnar section of pits

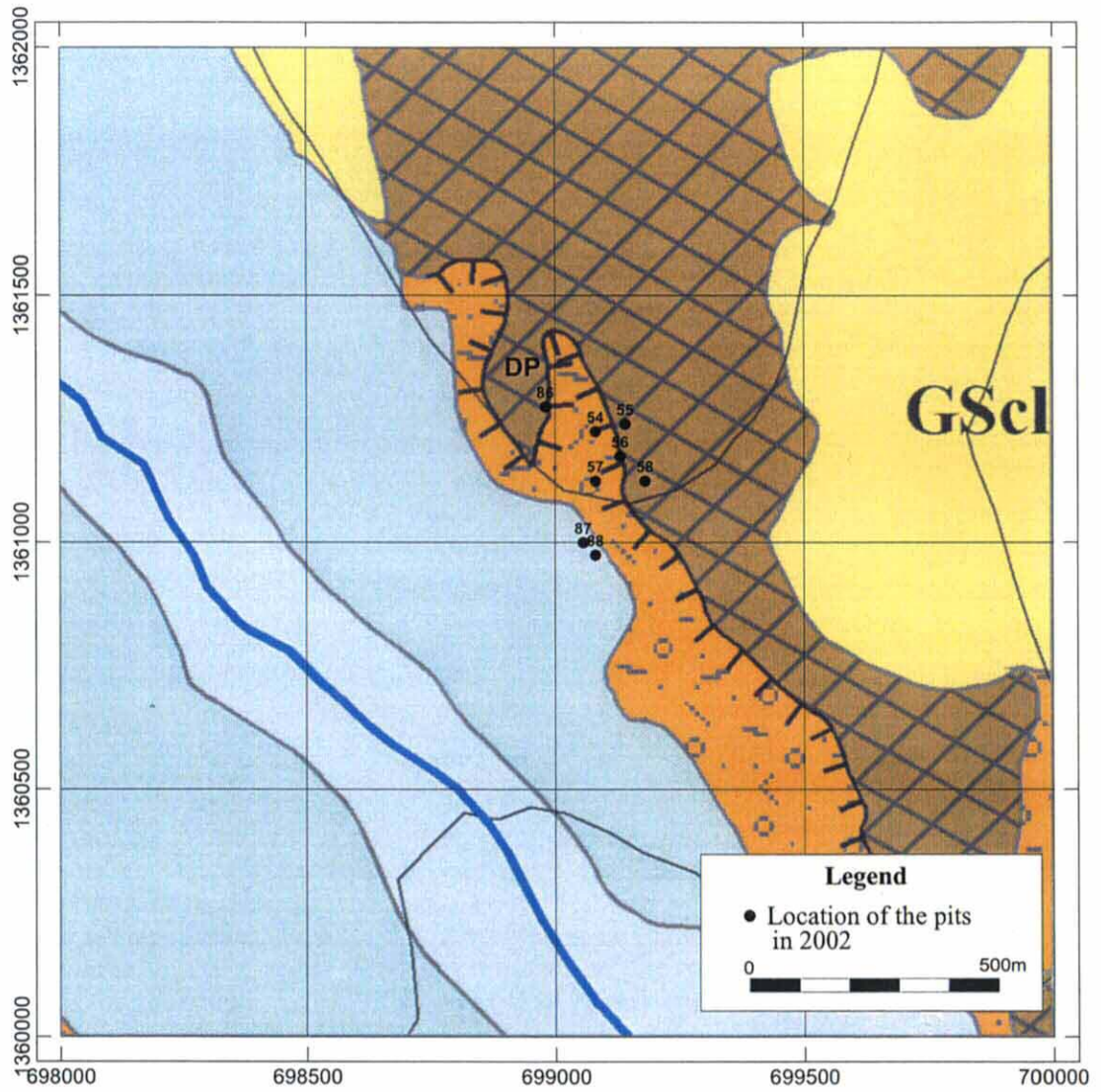
Ap.8 Pit profiles with assay results



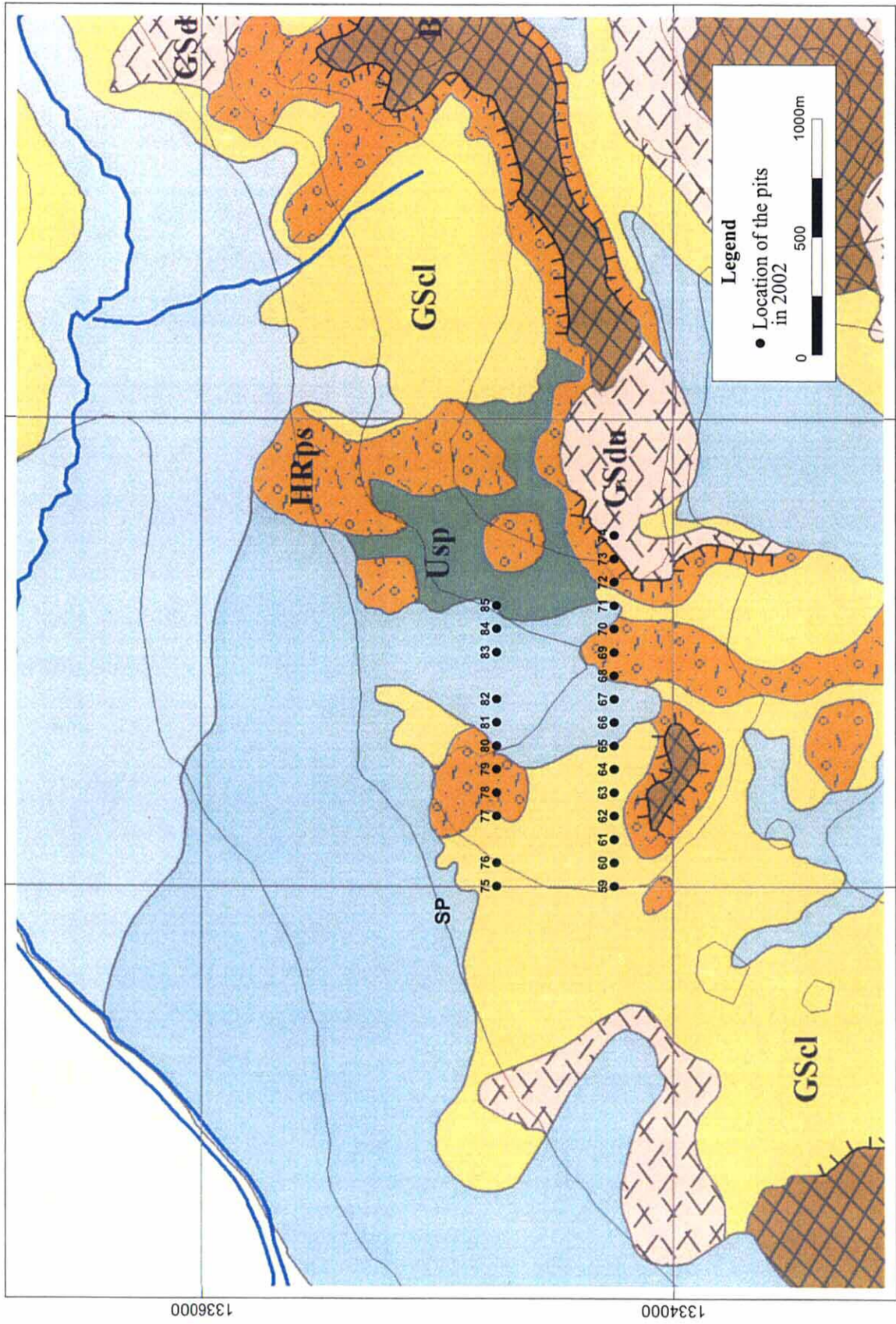
Location map of pits (Torokoro and Kalako)



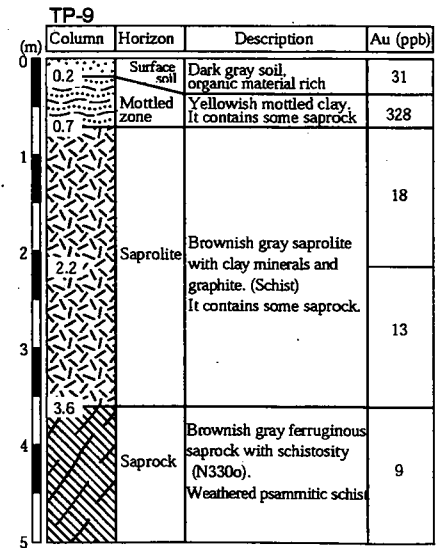
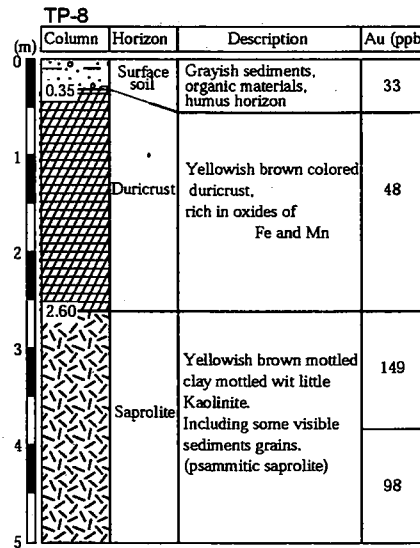
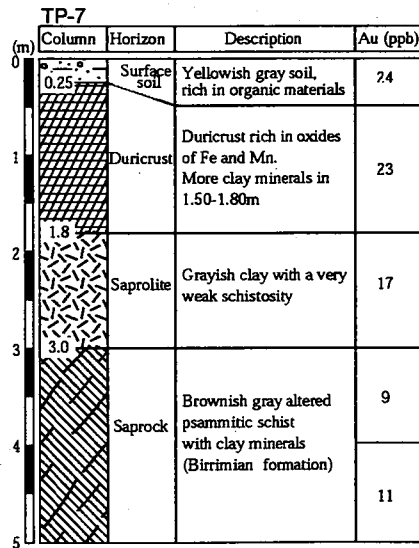
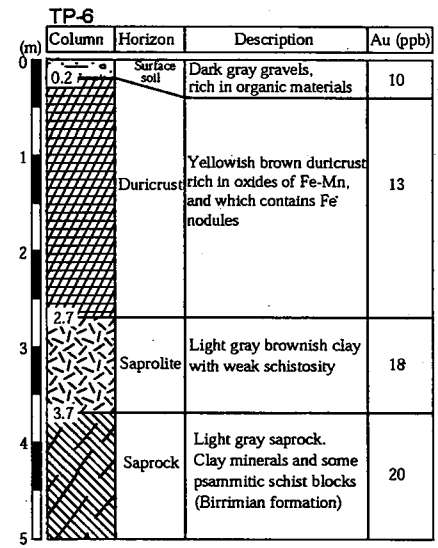
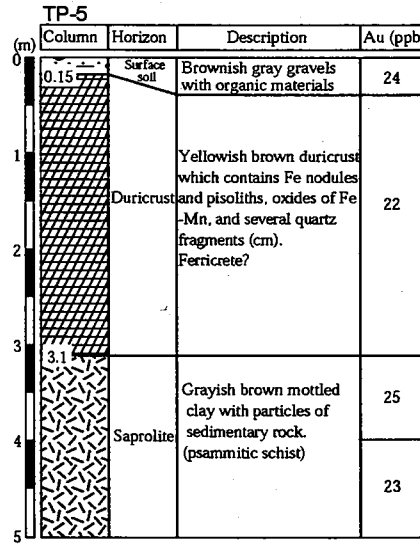
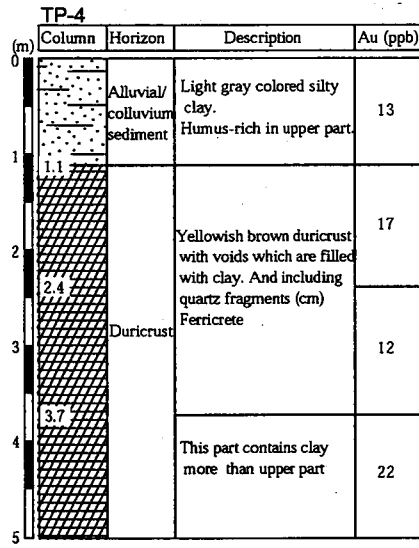
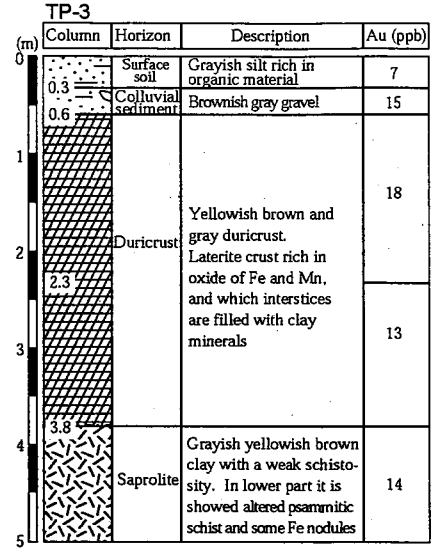
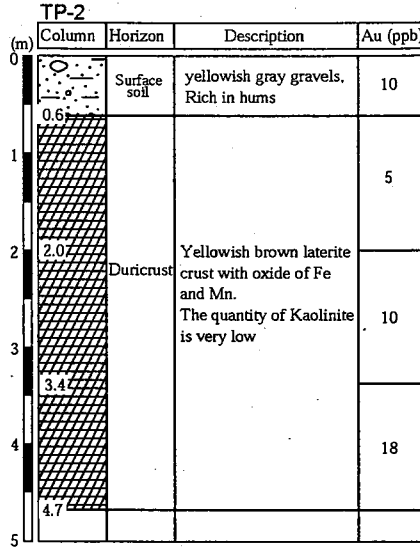
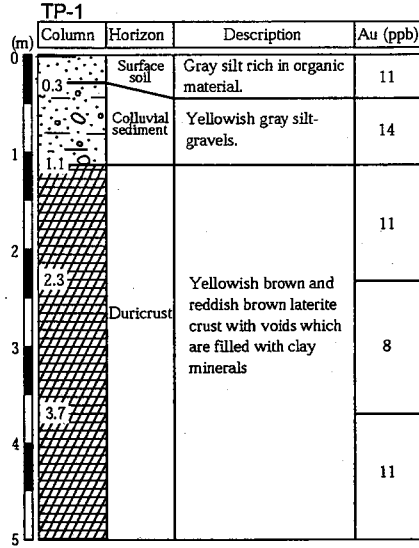
Location map of pits (Dioila)



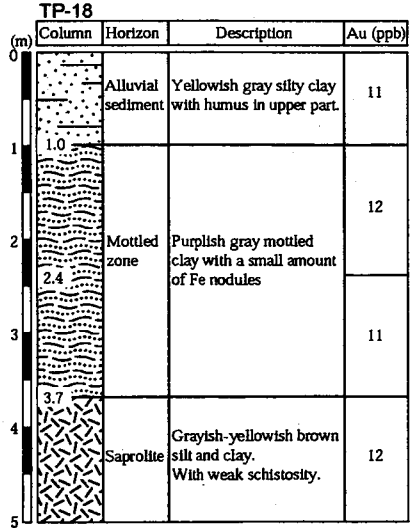
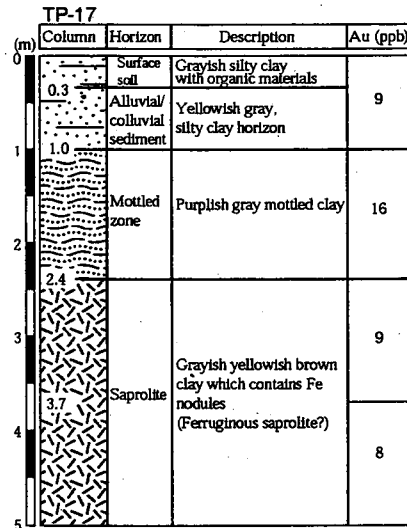
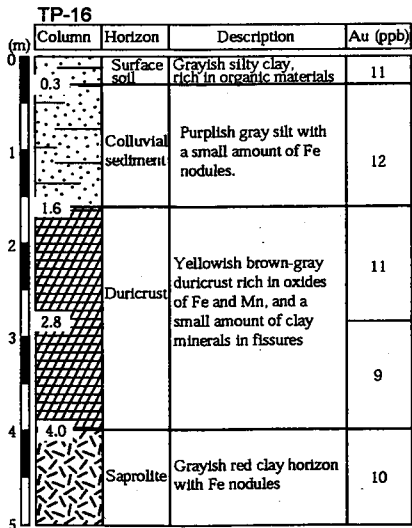
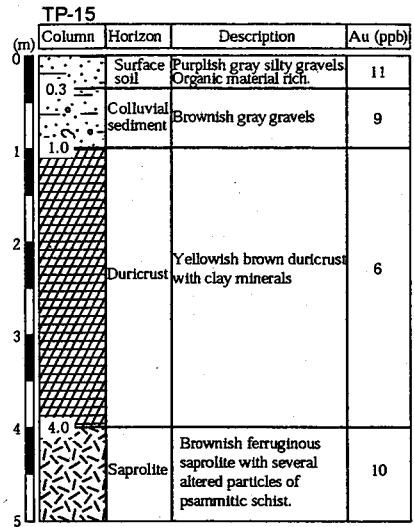
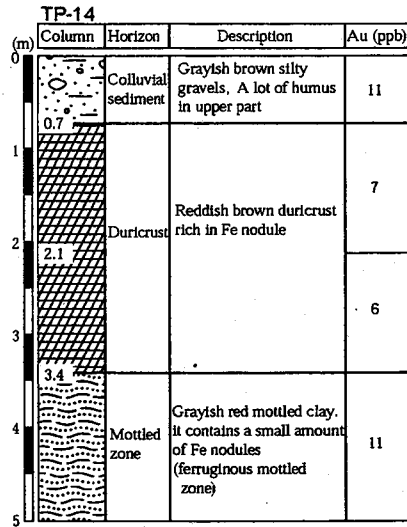
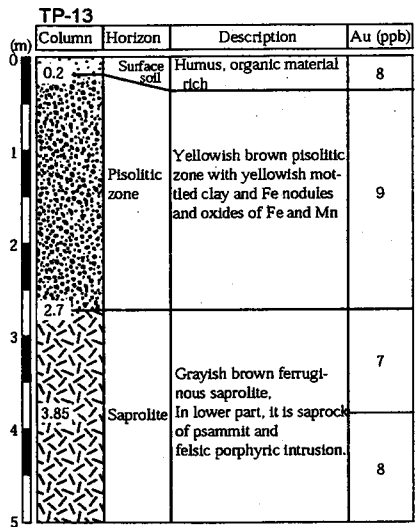
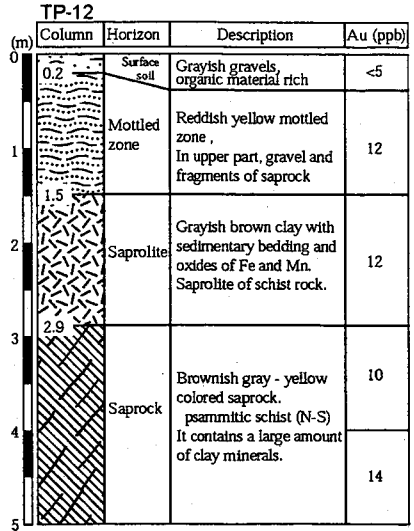
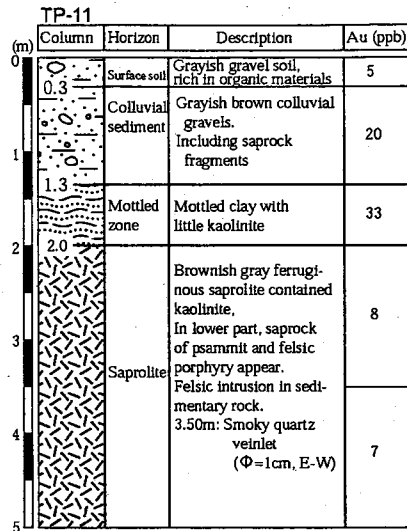
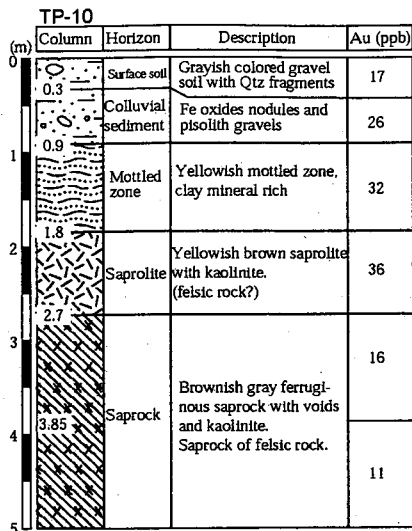
Location map of pits (Baoule Banifing)



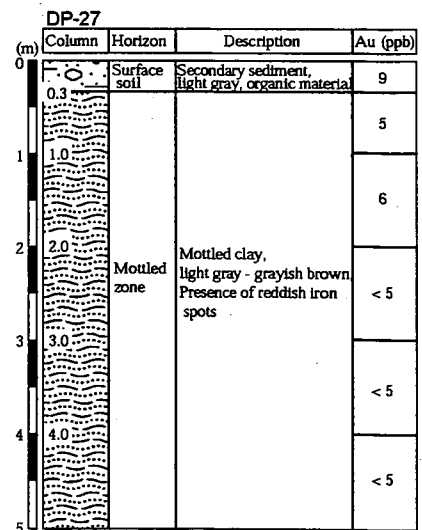
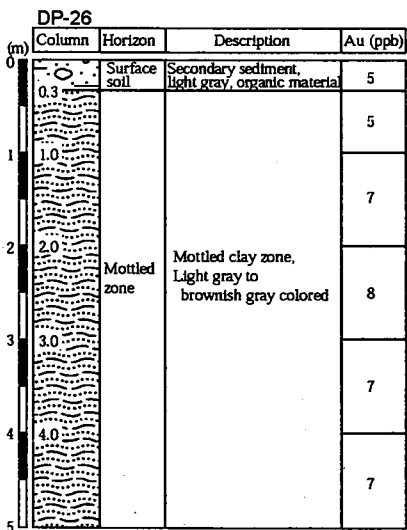
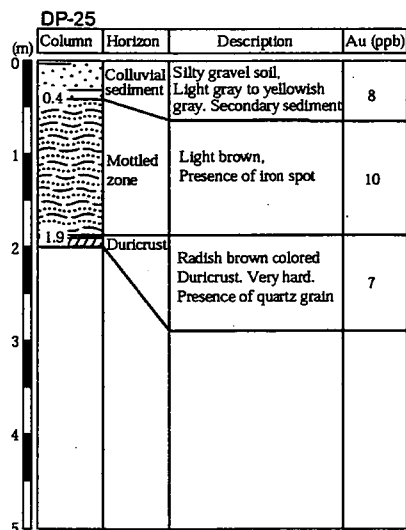
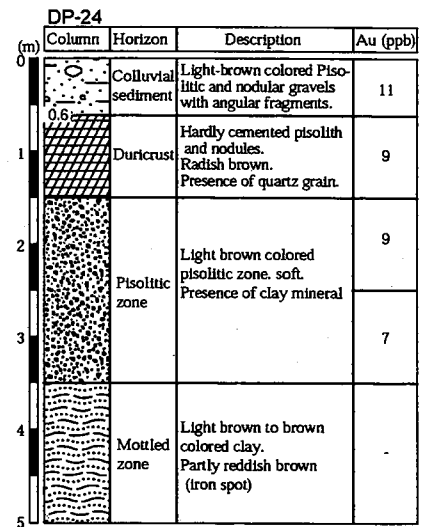
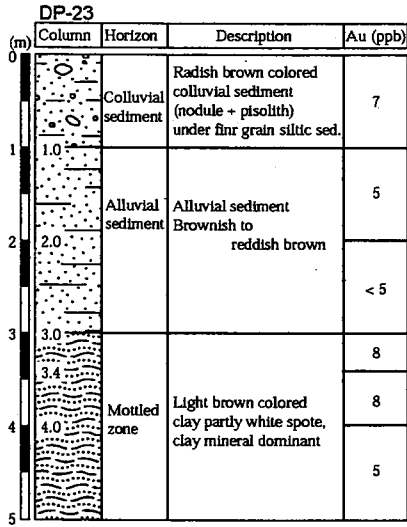
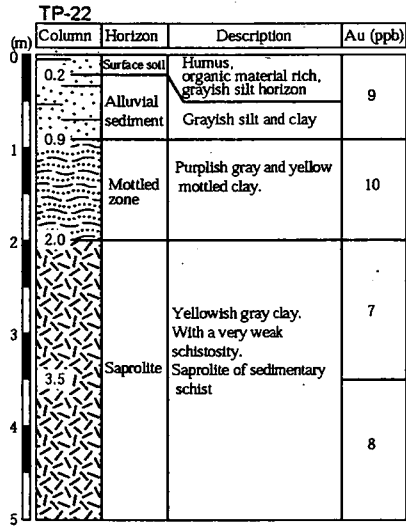
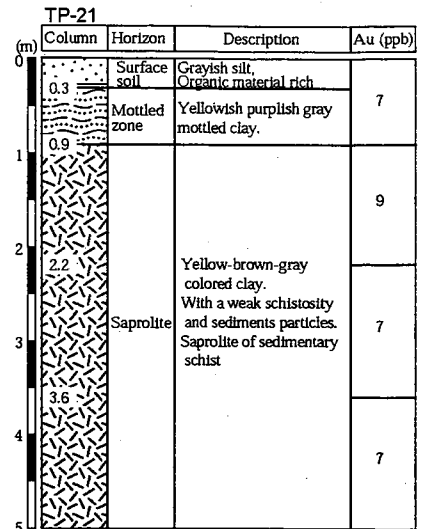
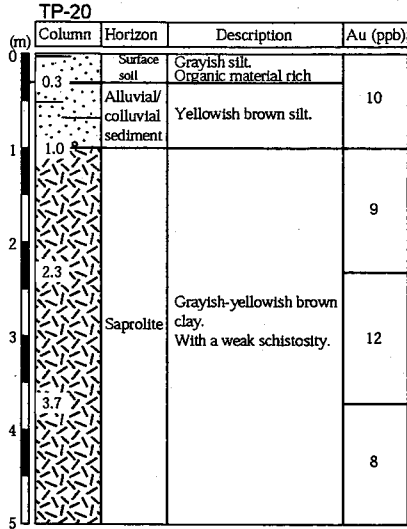
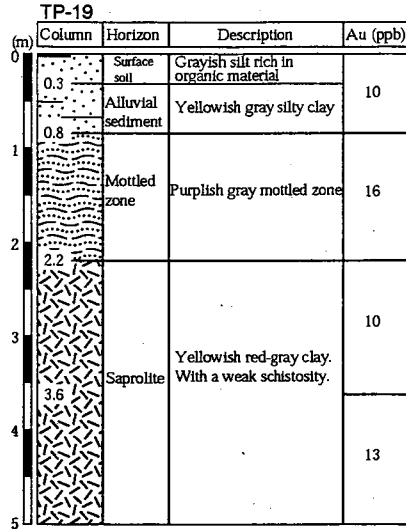
Location map of pits (Sirikoro)



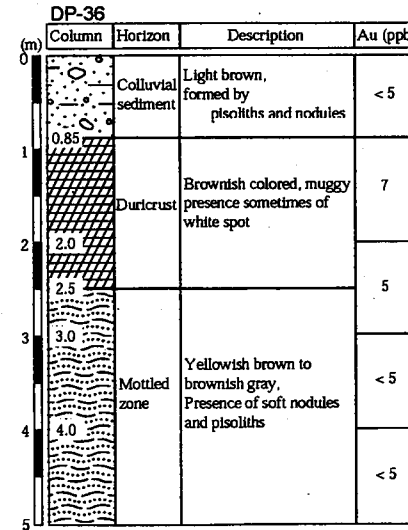
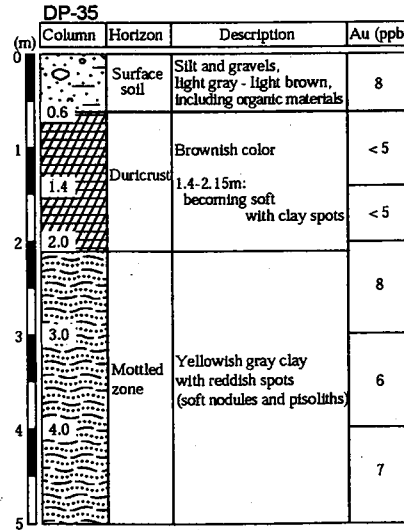
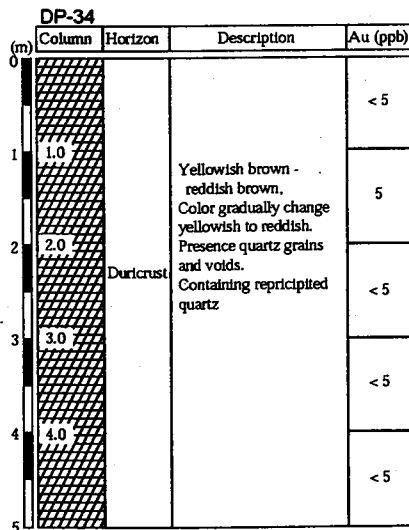
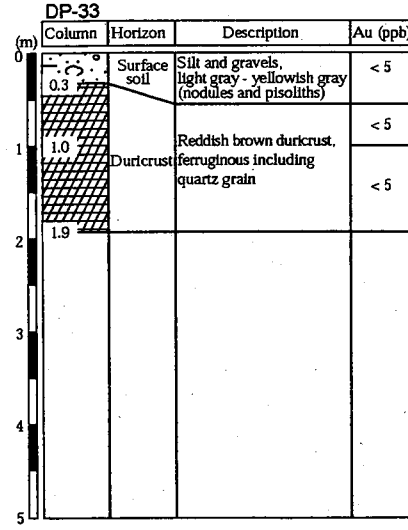
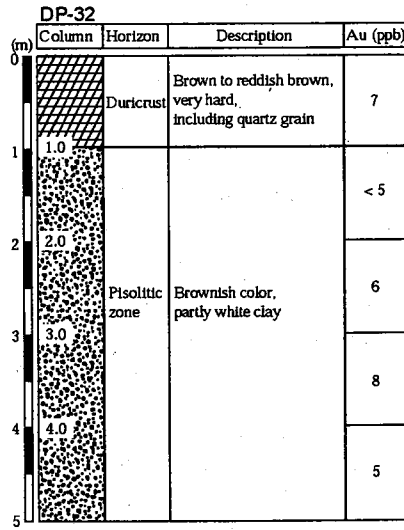
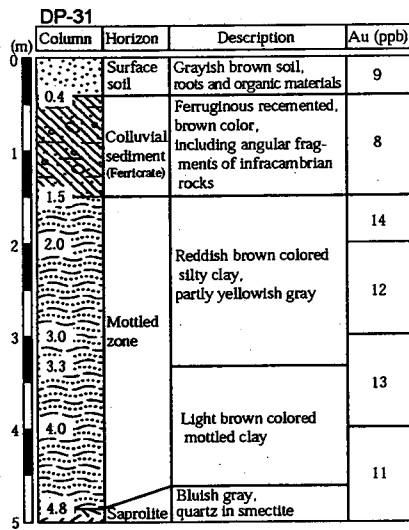
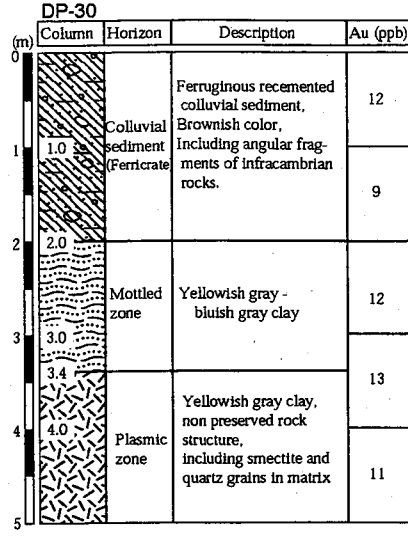
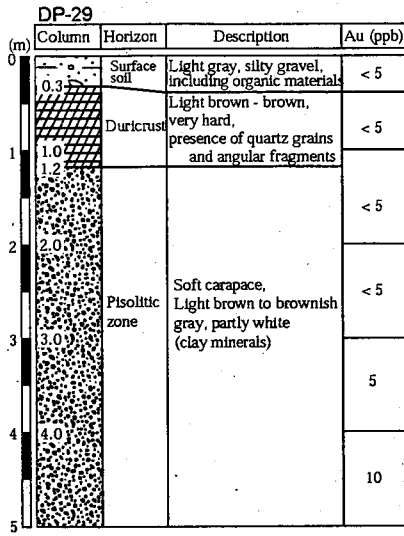
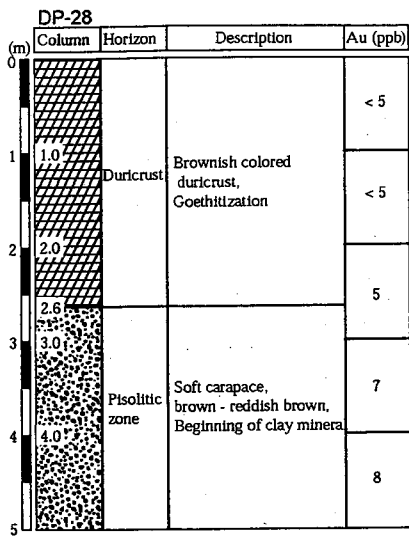
Columnar section of pits (1/10)



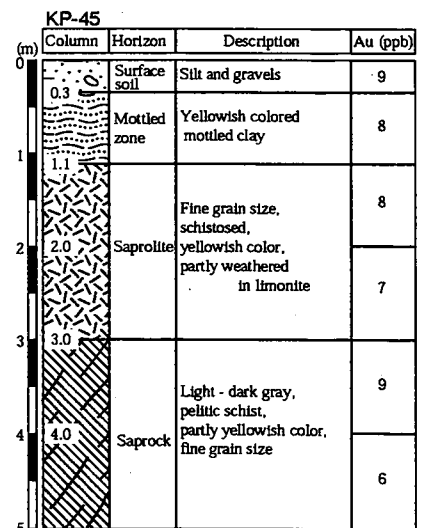
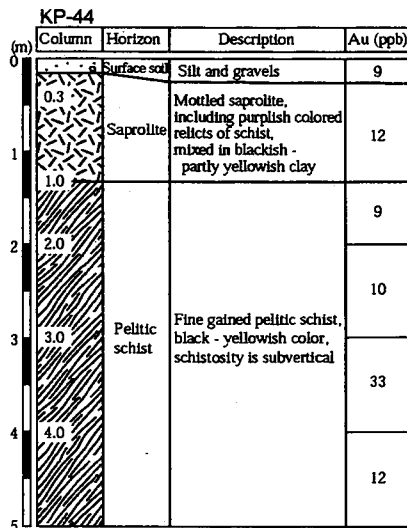
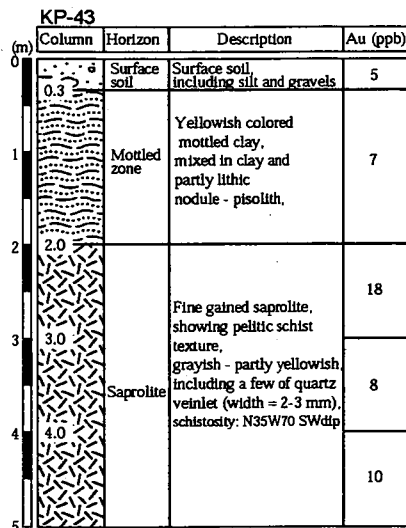
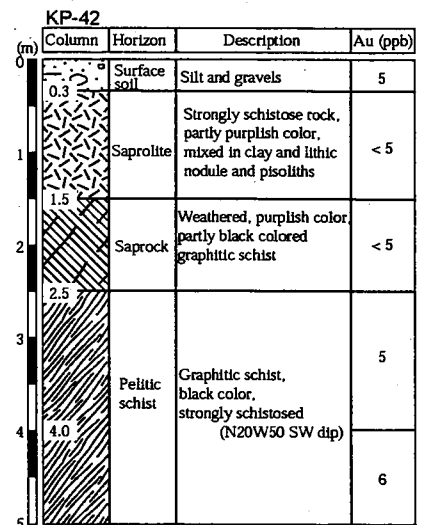
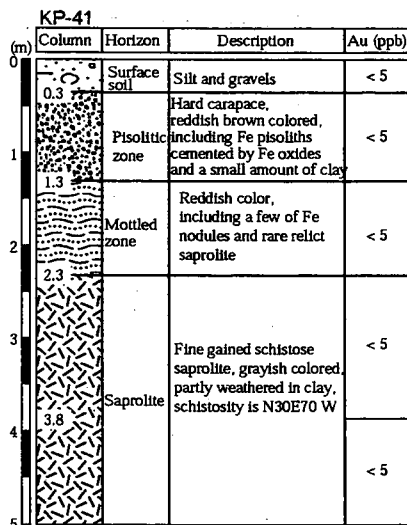
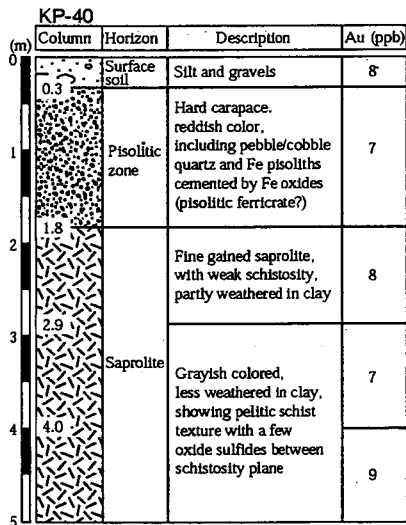
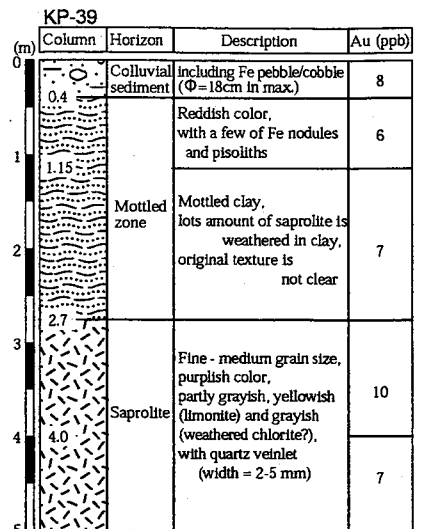
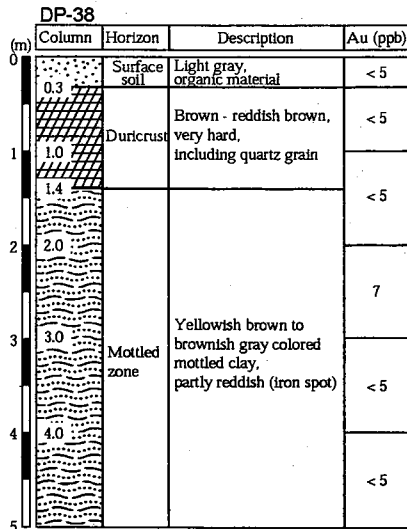
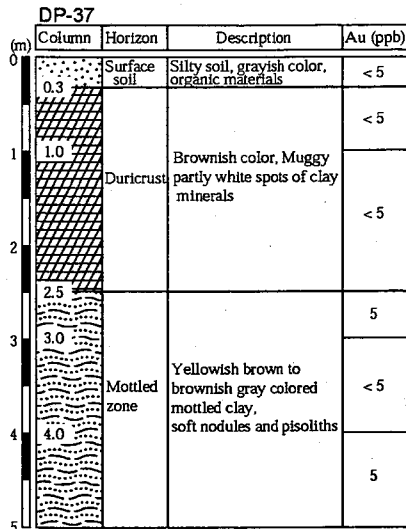
Columnar section of pits (2/10)



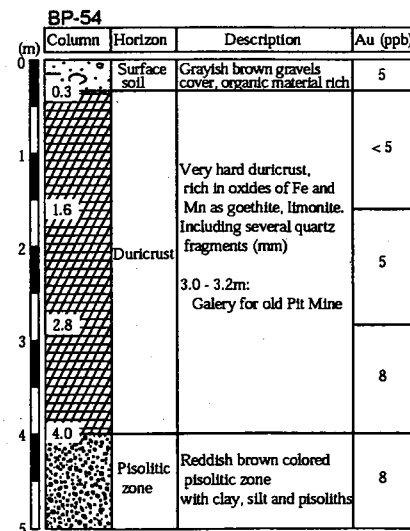
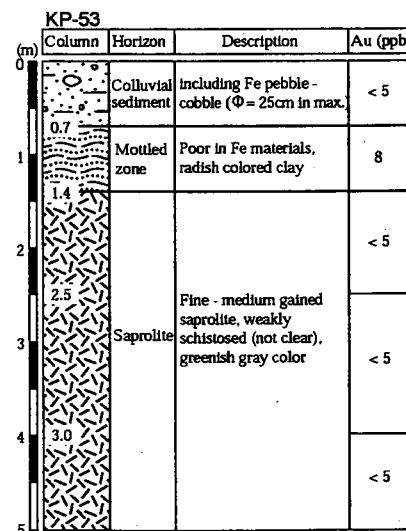
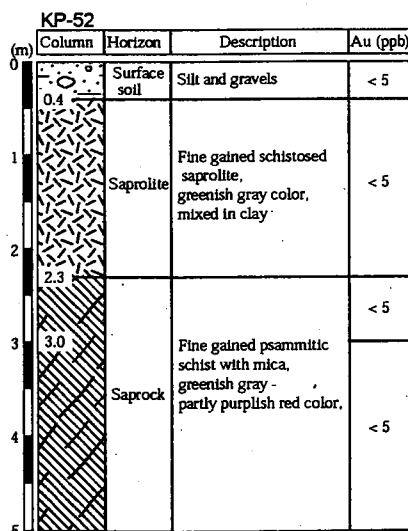
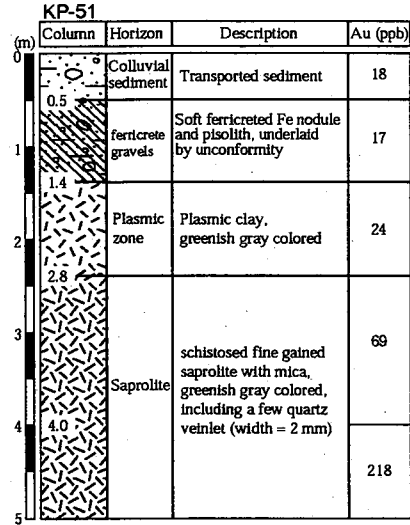
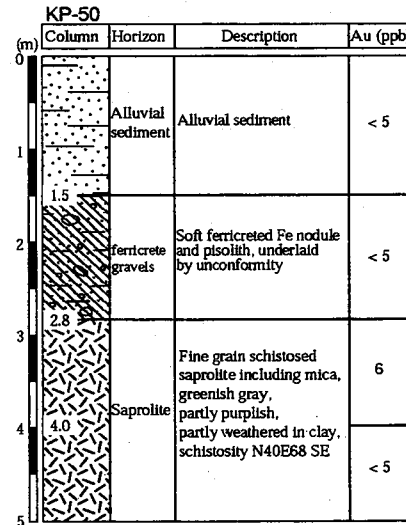
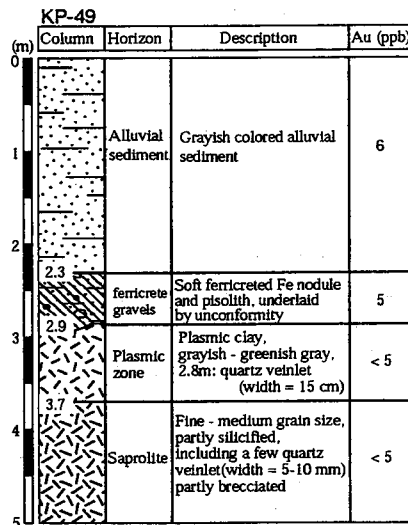
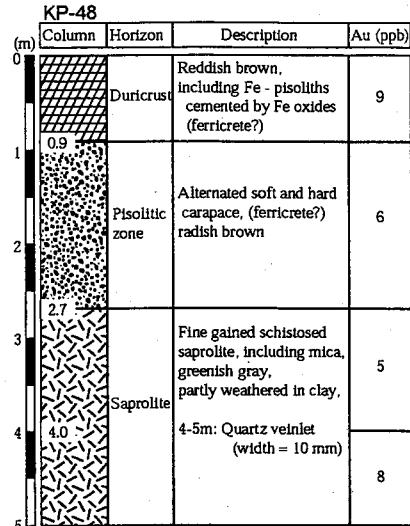
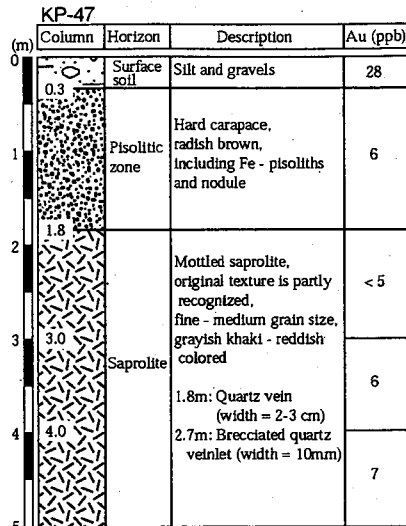
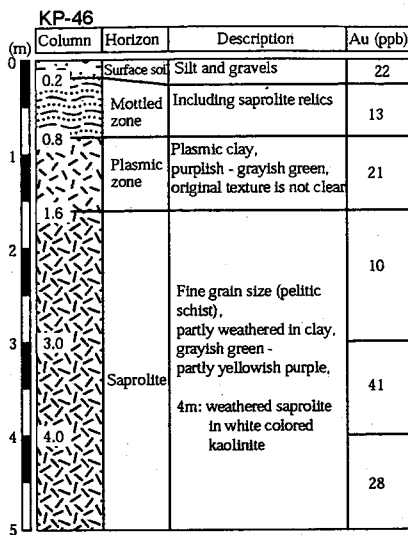
Columnar section of pits (3/10)



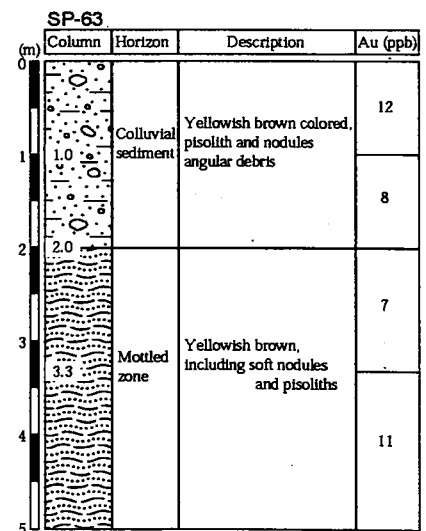
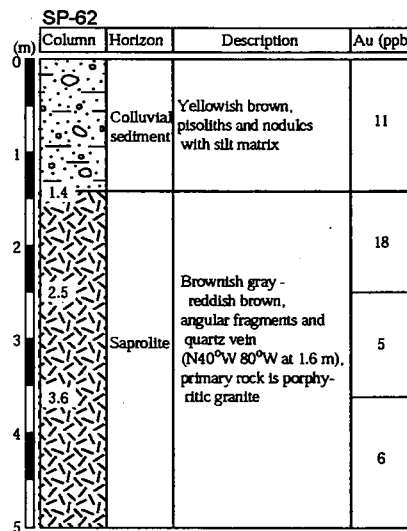
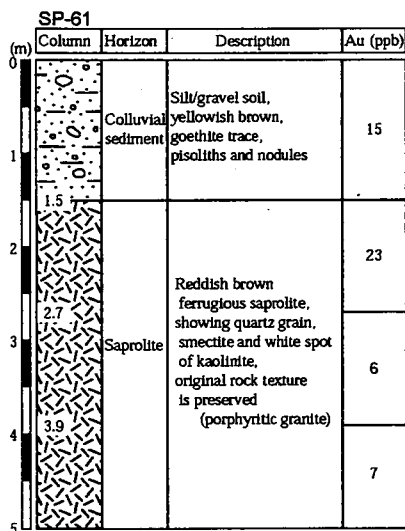
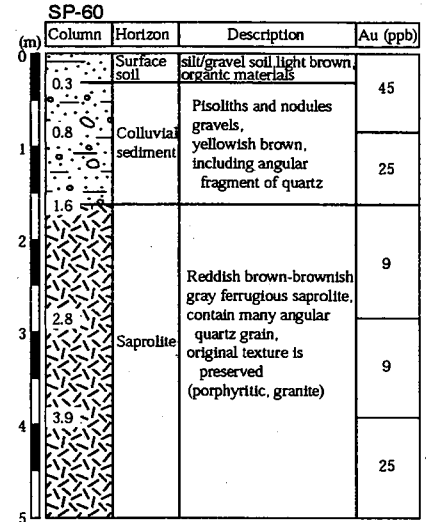
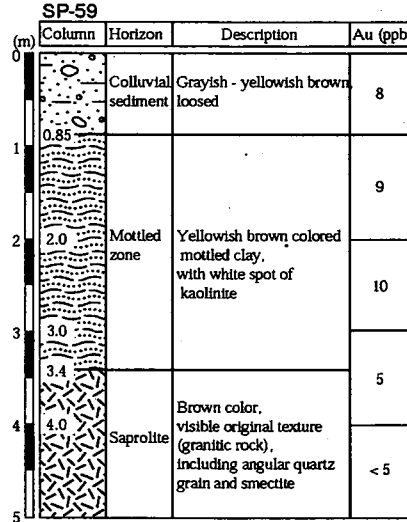
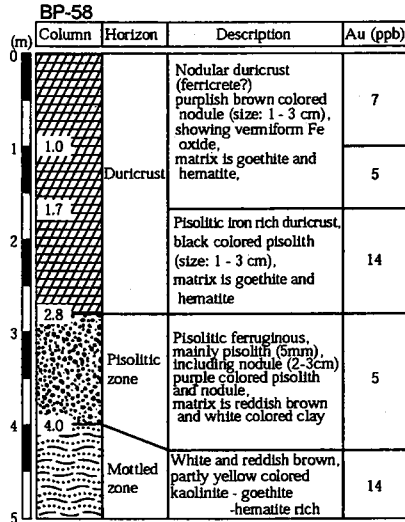
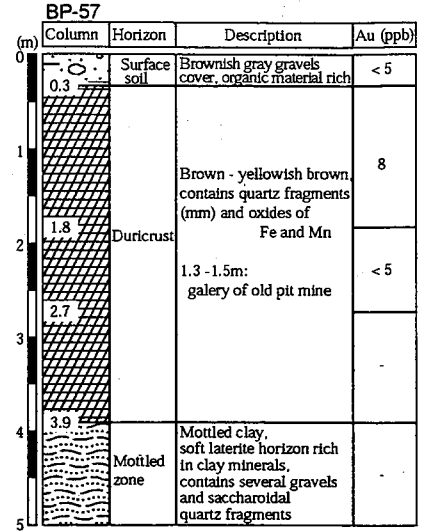
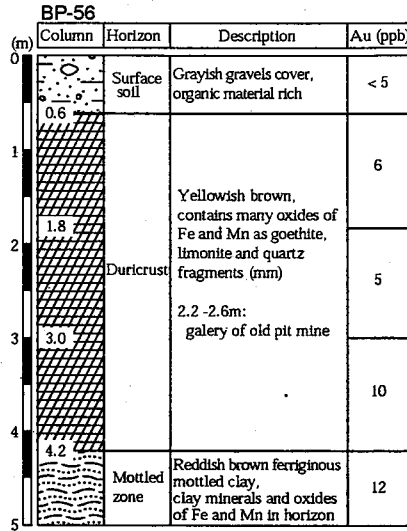
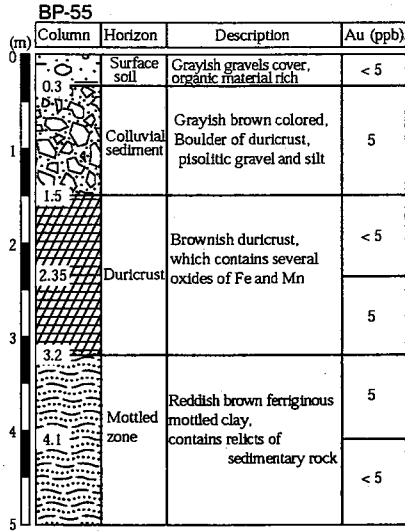
Columnar section of pits (4/10)



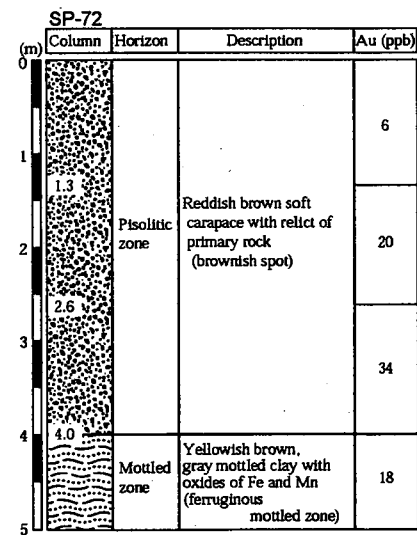
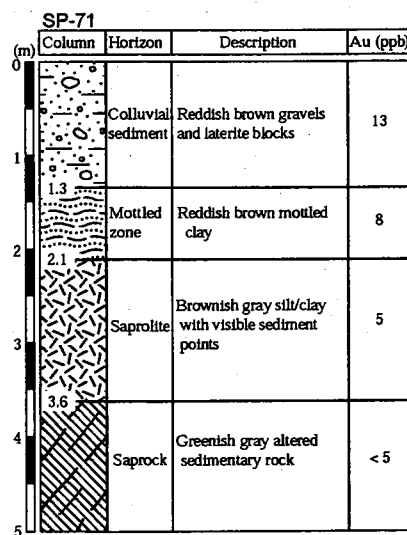
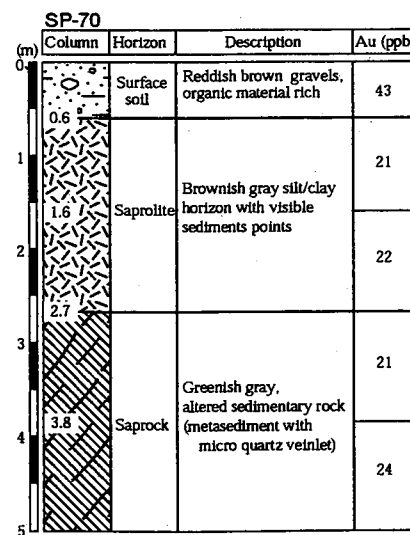
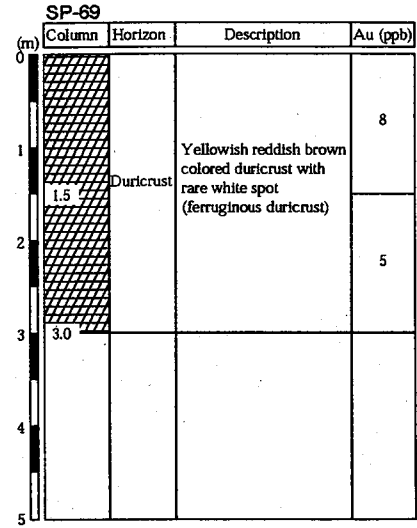
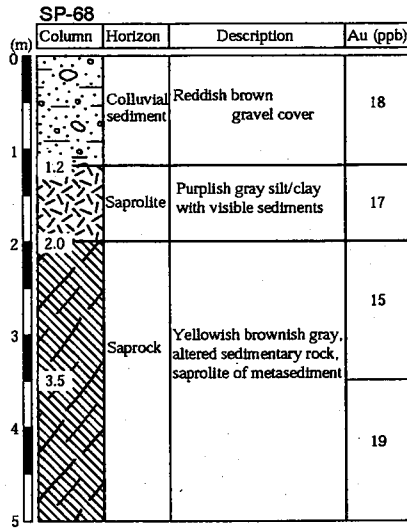
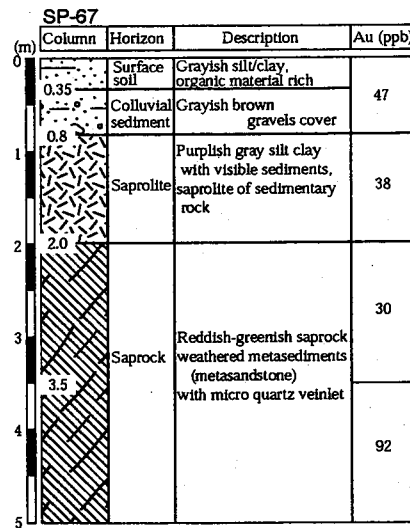
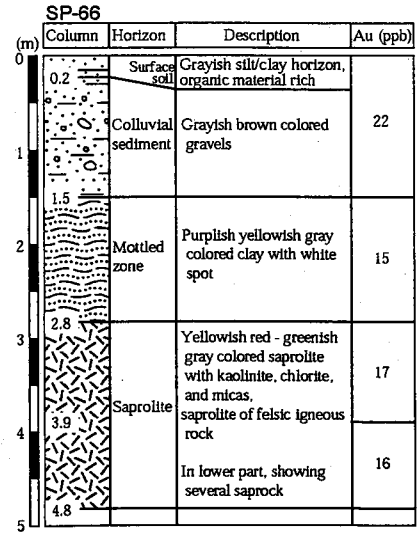
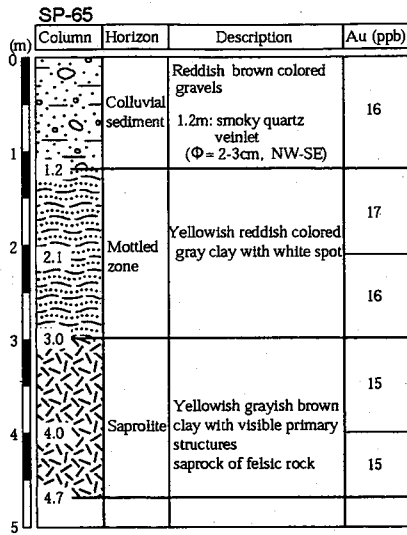
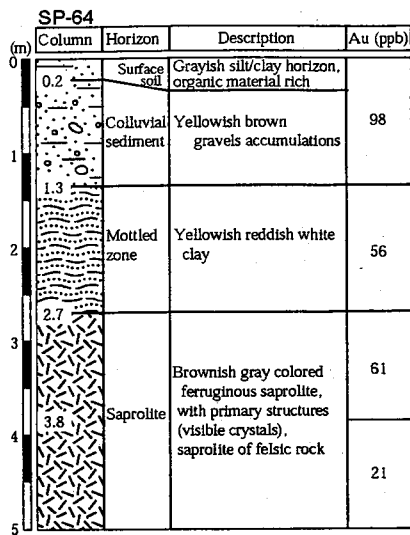
Columnar section of pits (5/10)



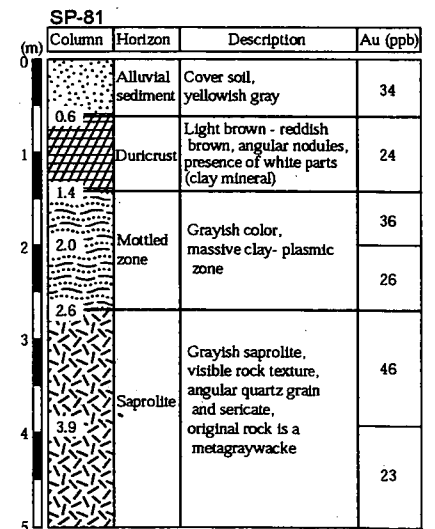
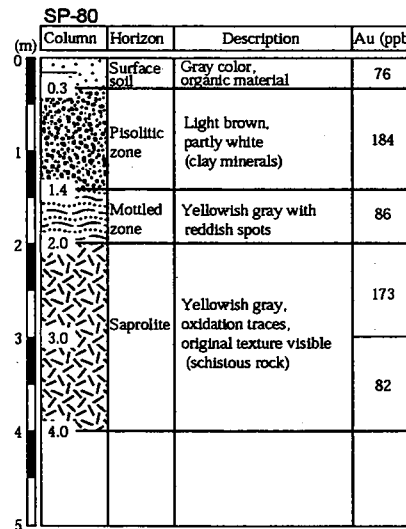
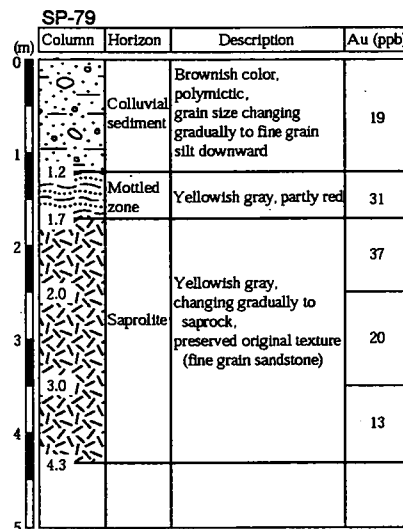
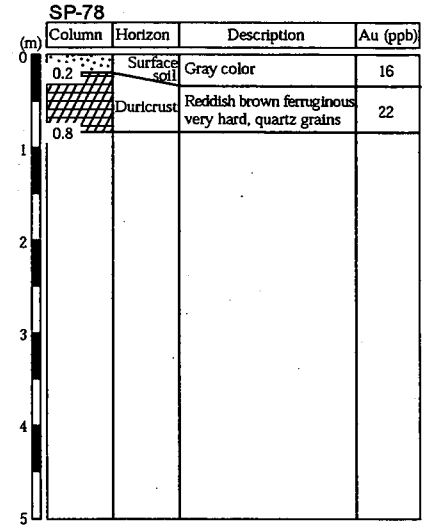
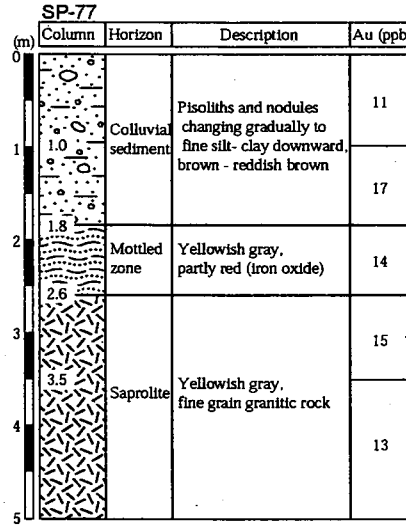
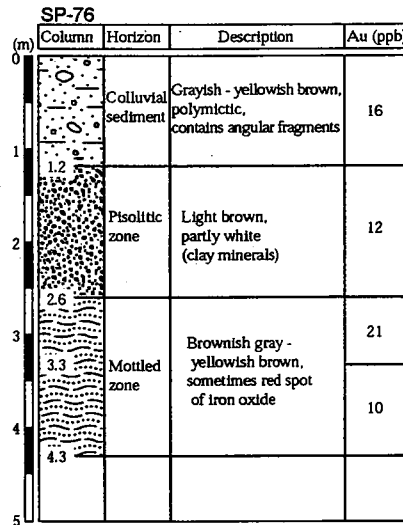
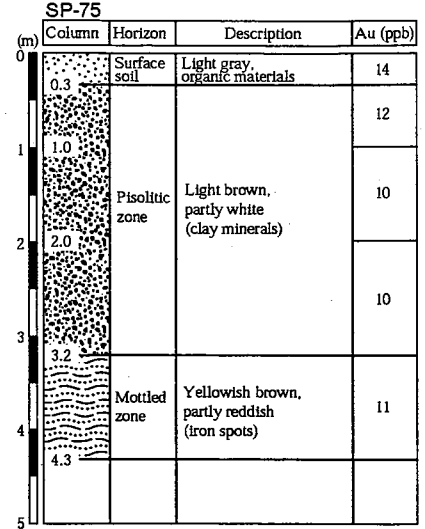
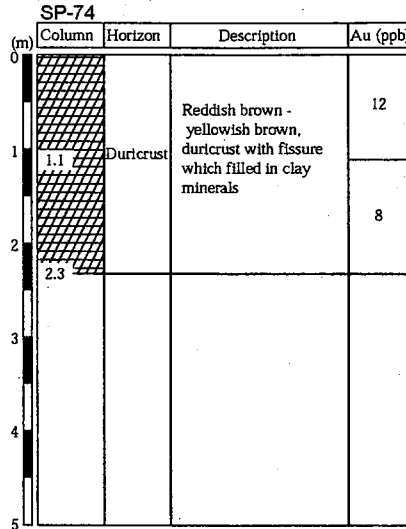
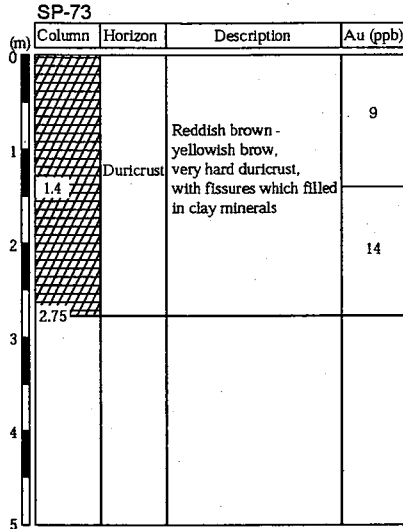
Columnar section of pits (6/10)



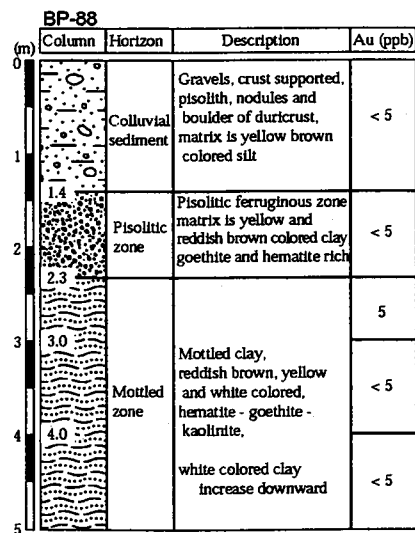
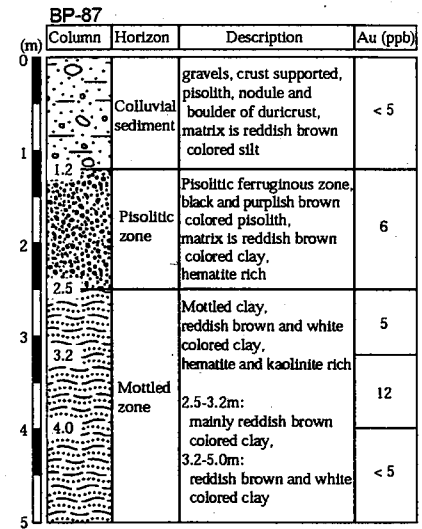
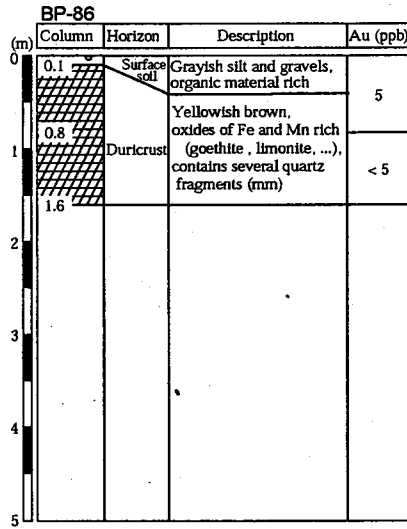
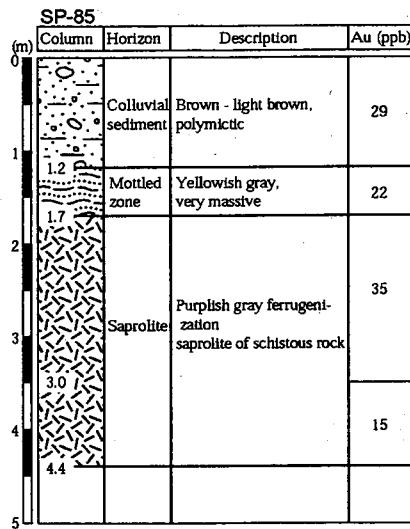
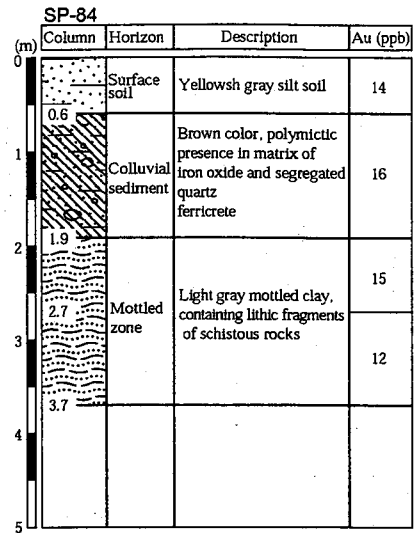
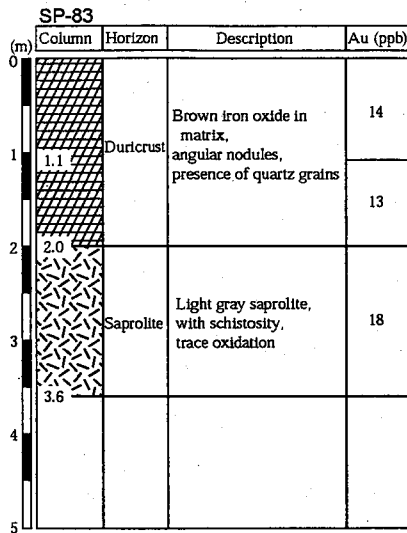
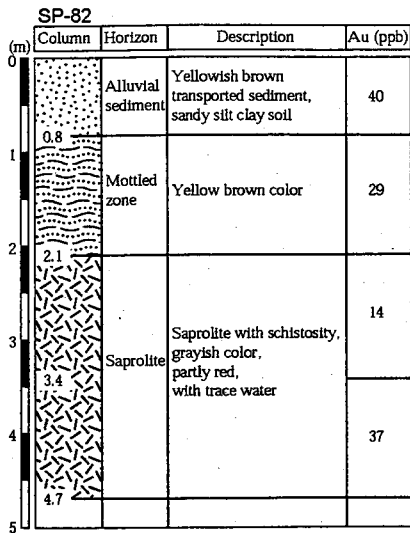
Columnar section of pits (7/10)



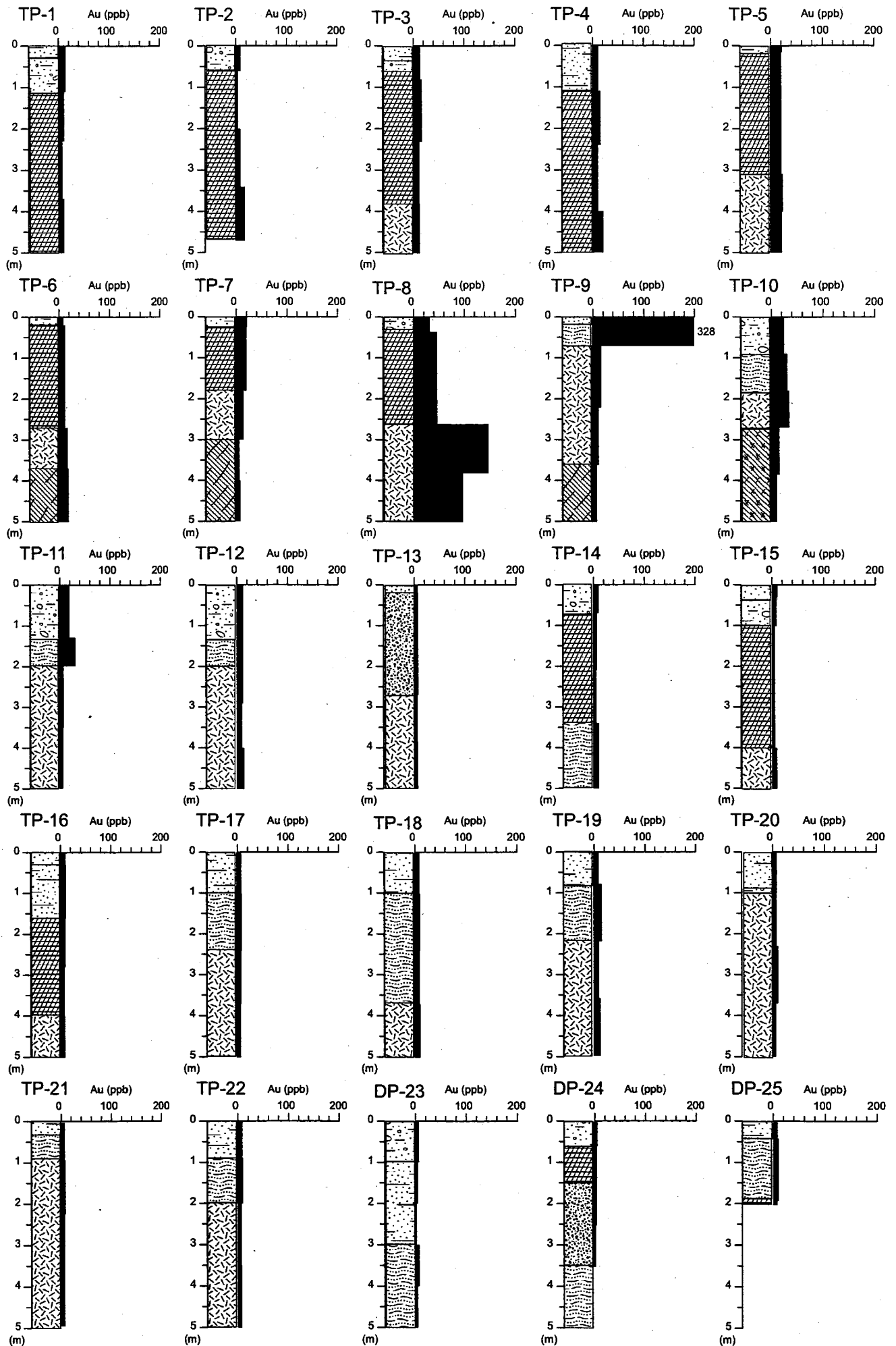
Columnar section of pits (8/10)



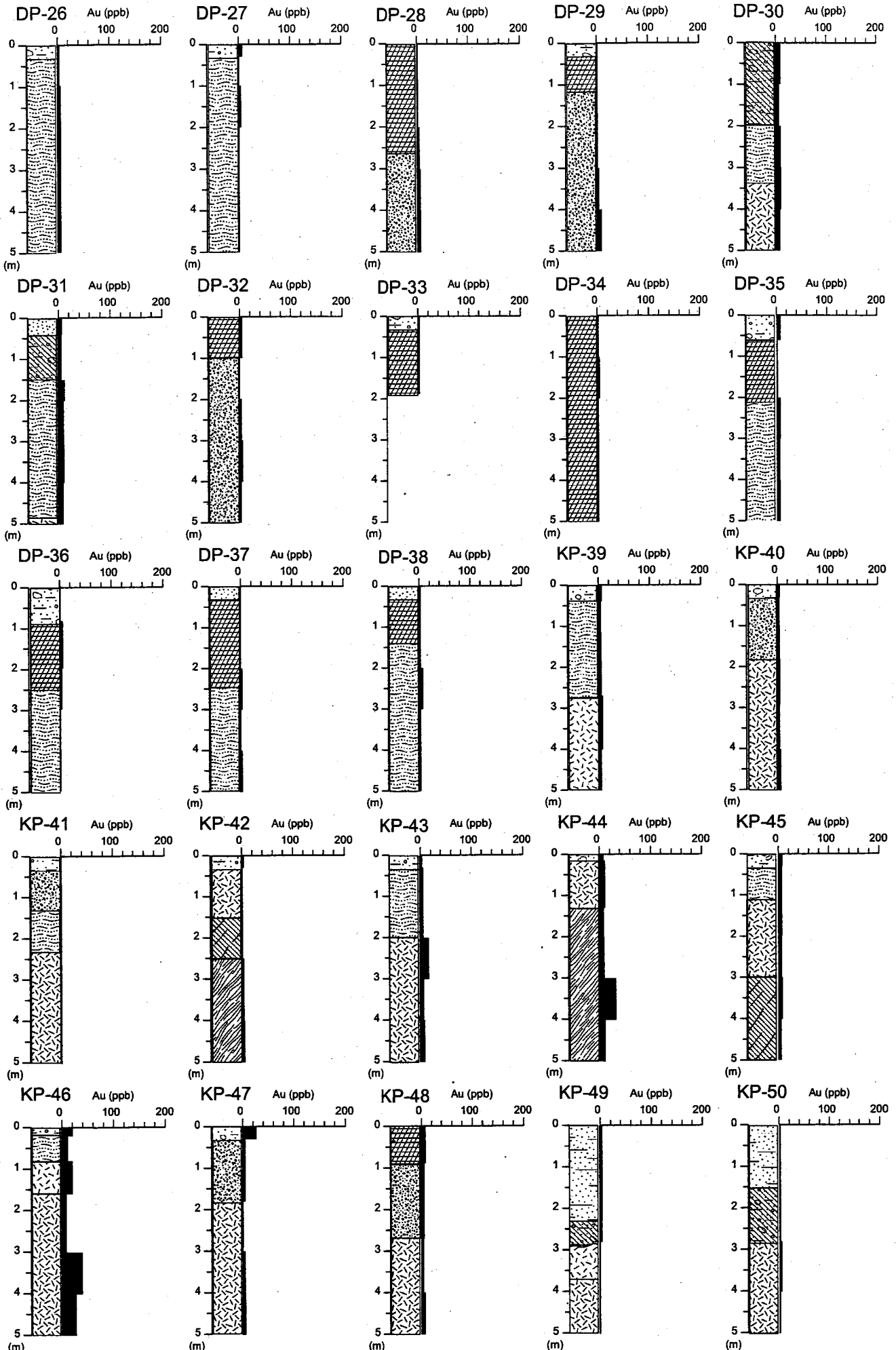
Columnar section of pits (9/10)



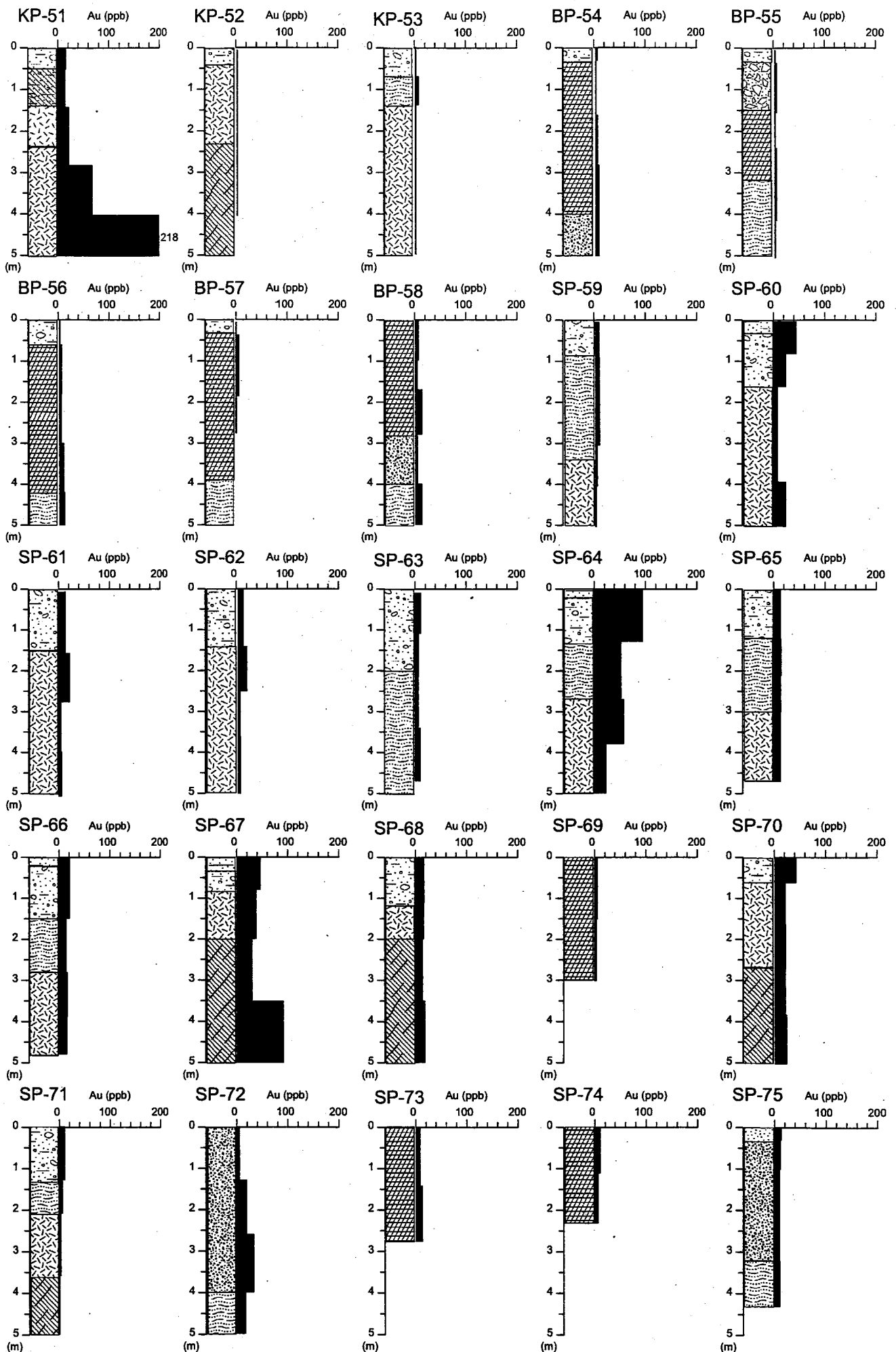
Columnar section of pits (10/10)



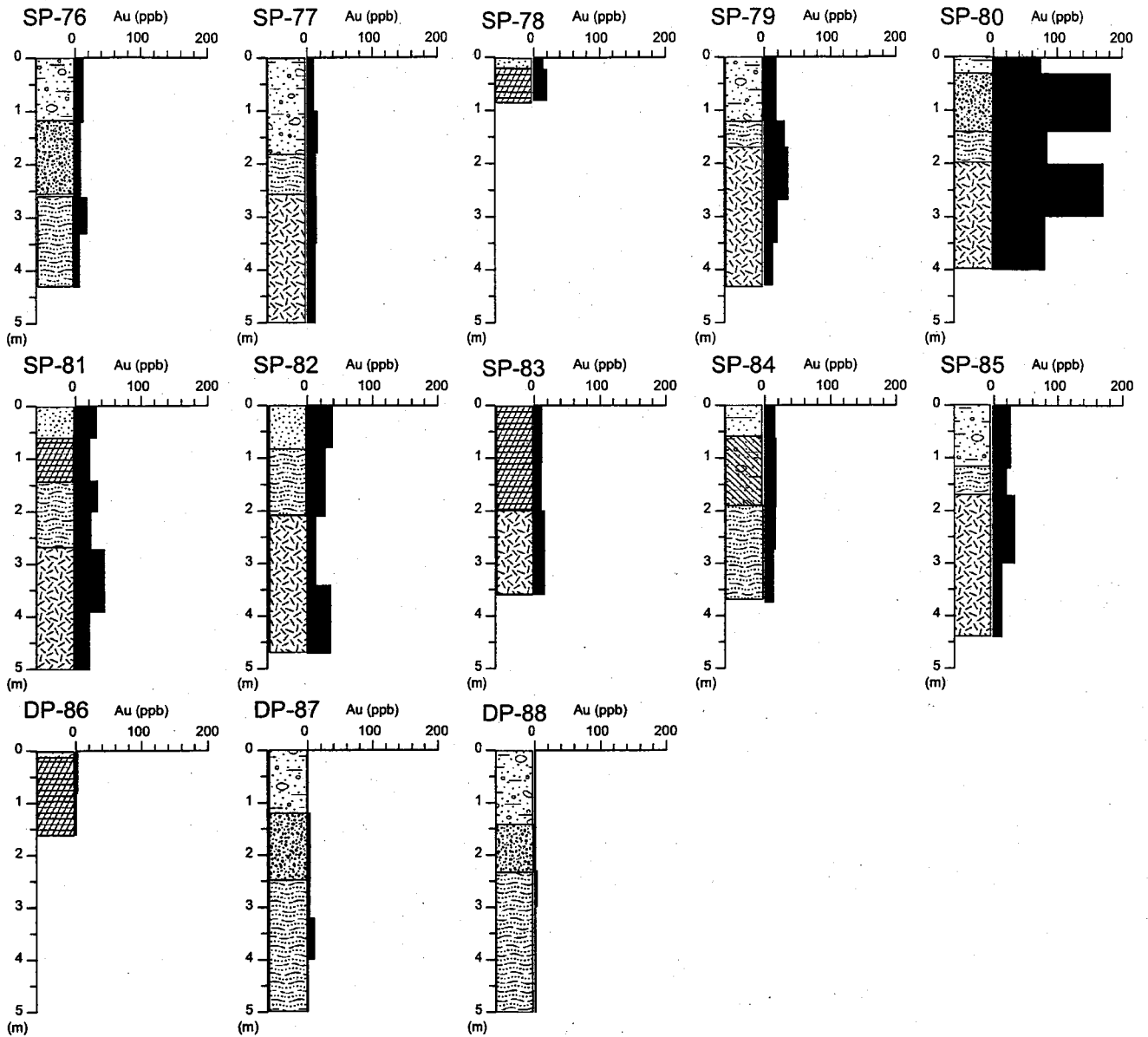
Pit profiles with gold results (1/4)



Pit profiles with gold results (2/4)



Pit profiles with gold results (3/4)



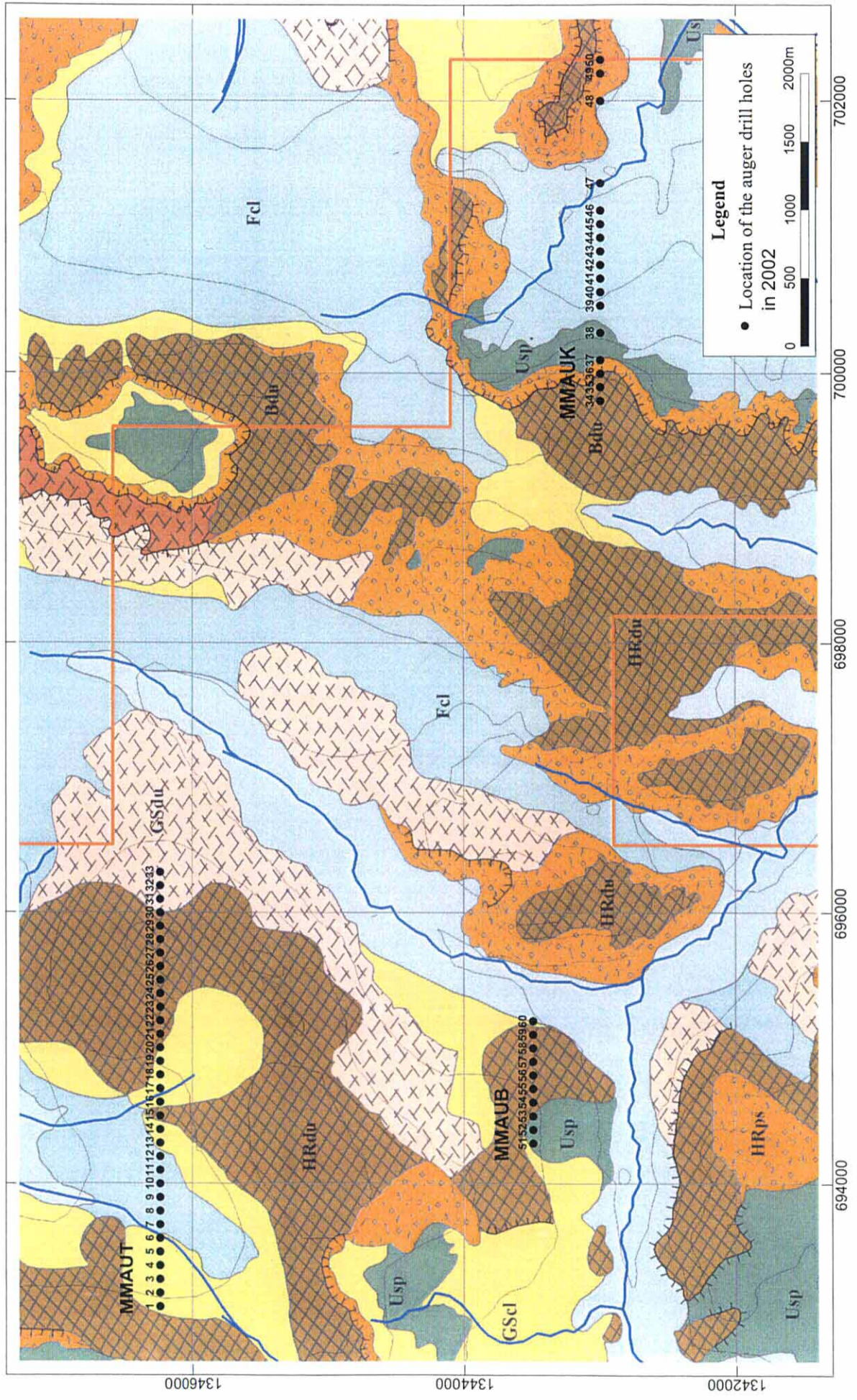
Pit profiles with gold results (4/4)

Ap.9 Location map of auger drill hole

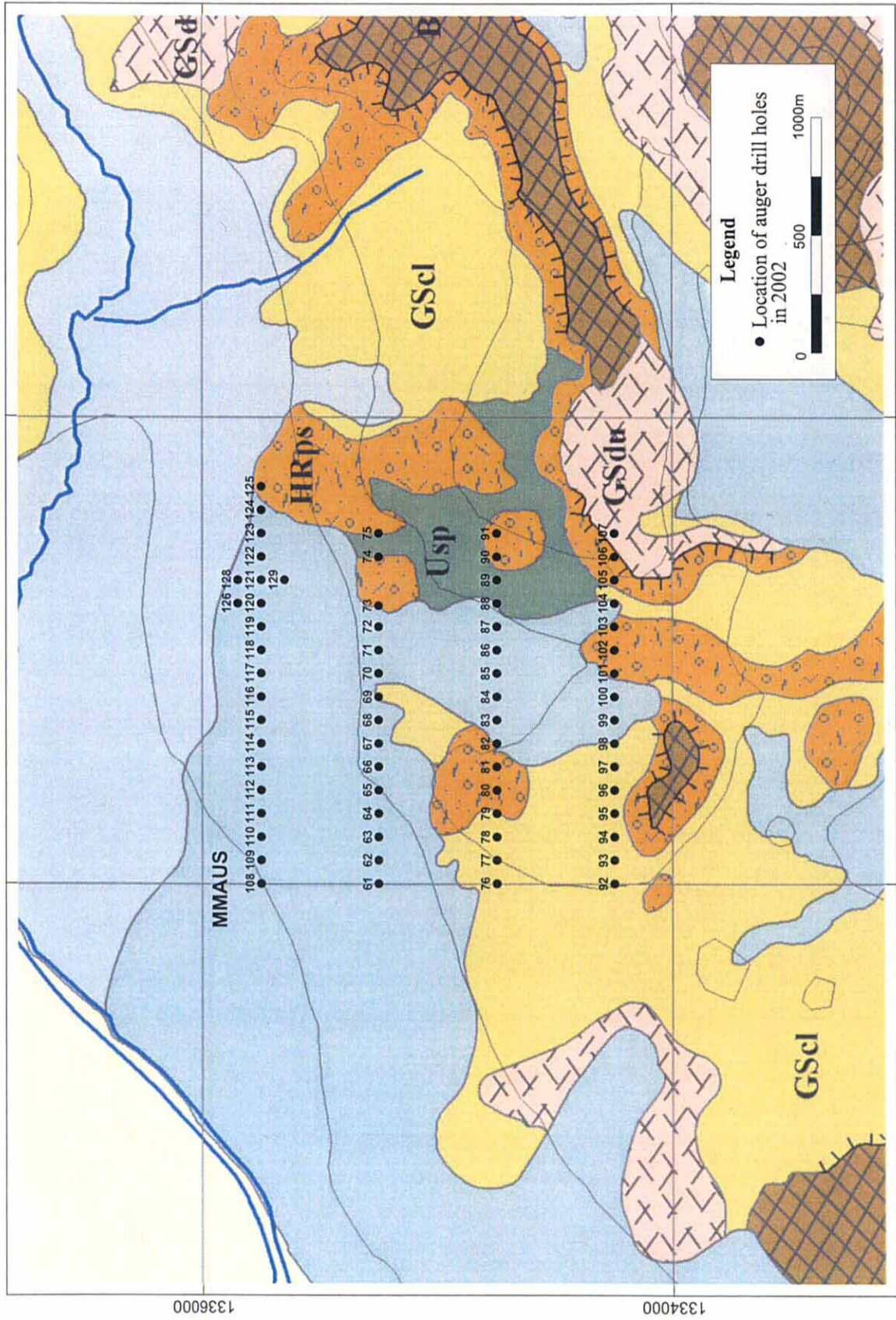
Ap.10 List of drilling equipments

Ap.11 Amount of consumed materials of drilling survey

Ap.12 Drilling progress



Location map of auger drill holes (Torokoro, Karako and Batouba)



708000

706000

Location map of auger drill holes (Sirikoro)

Ap. 10 List of the drilling equipment

(Equipment)

Denomination	Model
Drilling machine	CaterpillaCatMax-Allister Mach
Compressor	Ingersoll-Rand x 1, Power 12 kw
Rod	ϕ 5"1/2 ,1.5mx 30
Power unit	A2-72-4

Ap.11 Amount of consumed materials of drilling survey

(Consumed Materials)

Article	unit	Quantity
Cemented Tungusten bit(150mm)	Pcs	22
Cemented Tungusten bit(155mm)	Pcs	57
Diesel	L	3780
Engine oil	L	26

Auger drilling progress

Area	Drillhole	Location		Depth (m)	January																																	
		EW	SN		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
	MMAUS-61	706,000	1,336,250	4																																		
	MMAUS-62	706,100	1,336,250	24																																		
	MMAUS-63	706,200	1,336,250	20																																		
	MMAUS-64	706,300	1,336,250	18																																		
	MMAUS-65	706,400	1,336,250	20																																		
	MMAUS-66	706,500	1,336,250	30																																		
	MMAUS-67	706,600	1,336,250	24																																		
	MMAUS-68	706,700	1,336,250	18																																		
	MMAUS-69	706,800	1,336,250	21																																		
	MMAUS-70	706,900	1,336,250	20																																		
	MMAUS-71	707,000	1,336,250	17																																		
	MMAUS-72	707,100	1,336,250	16																																		
	MMAUS-73	707,200	1,336,250	22																																		
	MMAUS-74	707,400	1,336,250	18																																		
	MMAUS-75	707,500	1,336,250	15																																		
	MMAUS-76	706,000	1,336,250	24																																		
	MMAUS-77	706,100	1,335,750	23																																		
	MMAUS-78	706,200	1,335,750	20																																		
	MMAUS-79	706,300	1,335,750	21																																		
	MMAUS-80	706,400	1,335,750	21																																		
	MMAUS-81	706,500	1,335,750	23																																		
	MMAUS-82	706,600	1,335,750	8																																		
	MMAUS-83	706,700	1,335,750	16																																		
	MMAUS-84	706,800	1,335,750	10																																		
	MMAUS-85	706,900	1,335,750	6																																		
	MMAUS-86	707,000	1,335,750	8																																		
	MMAUS-87	707,100	1,335,750	10																																		
	MMAUS-88	707,200	1,335,750	21																																		
	MMAUS-89	707,300	1,335,750	23																																		
	MMAUS-90	707,400	1,335,750	15																																		
	MMAUS-91	707,500	1,335,750	23																																		
	MMAUS-92	706,000	1,335,250	20																																		
	MMAUS-93	706,100	1,335,250	19																																		
	MMAUS-94	706,200	1,335,250	19																																		
	MMAUS-95	706,300	1,335,250	18																																		
	MMAUS-96	706,400	1,335,250	16																																		

Auger drilling progress

Area	Drillhole	Location		Depth (m)	January																																	
		EW	SN		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
Sirikoro	MMAUS-97	706,500	1,335,250	20																																		
	MMAUS-98	706,600	1,335,250	15																																		
	MMAUS-99	706,700	1,335,250	20				C																														
	MMAUS-100	706,800	1,335,250	9				C																														
	MMAUS-101	706,900	1,335,250	10				C																														
	MMAUS-102	707,000	1,335,250	15				C																														
	MMAUS-103	707,100	1,335,250	12				C																														
	MMAUS-104	707,200	1,335,250	12				C																														
	MMAUS-105	707,300	1,334,250	20				C																														
	MMAUS-106	707,400	1,334,250	20				C																														
	MMAUS-107	707,500	1,334,250	5				C																														
	MMAUS-108	706,000	1,335,750	3															C																			
	MMAUS-109	706,100	1,335,750	2															C																			
	MMAUS-110	706,200	1,335,750	2															C																			
	MMAUS-111	706,300	1,335,750	2															C																			
	MMAUS-112	706,400	1,335,750	4															C																			
	MMAUS-113	706,500	1,335,750	18															C																			
	MMAUS-114	706,600	1,335,750	16															C																			
	MMAUS-115	706,700	1,335,750	3																																		
	MMAUS-116	706,800	1,335,750	3																																		
	MMAUS-117	706,900	1,335,750	5																																		
	MMAUS-118	707,000	1,335,750	5																																		
	MMAUS-118-1	707,050	1,335,700	5																																		
	MMAUS-119	707,100	1,335,750	5																																		
	MMAUS-119-1	707,150	1,335,700	5																																		
	MMAUS-120	707,200	1,335,750	30																																		
	MMAUS-121	707,300	1,335,750	30																																		
	MMAUS-122	707,400	1,335,750	27																																		
	MMAUS-123	707,500	1,335,750	29																																		
MMAUS-124	707,600	1,335,750	30																																			
MMAUS-125	707,700	1,335,750	30																																			
MMAUS-126	707,200	1,335,850	5																																			
MMAUS-127	707,200	1,335,650	0																																			
MMAUS-128	707,300	1,335,850	30																																			
MMAUS-129	707,300	1,335,650	28																																			

Ap.13 Columnar section of auger drill holes

Ap.14 Auger drill hole profiles with assay results

Ap.15 Results of X-ray diffraction analysis

Site: MMAUT-1 Depth(m):30					
Location(UTM): EW693100 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	br gy	ferrug. rock granule, silt	<5
6					6
18		duricrust	rd br	ferrug. rock granule-pebble	15
5					20
6.5		mottled zone	lt rd br	parti-colored	13
10		saprolite	lt rd br gy	very fine mica rich	18
15					46
20					37
23					25
27					11
30		saprock	gn gy	pelitic schist origin	17
					5
					<5
					<5
					7
					<5
					<5
					20
					16
					22
					<5
					5
					<5
					16
					47
					32

Site: MMAUT-2 Depth(m):30					
Location(UTM): EW693200 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
1		surf. Soil	br gy	ferrug. rock granule, silt	27
15					15
18		duricrust	rd br	ferrug. rock granule-pebble	27
5					17
7		mottled zone	lt rd br	parti-colored	28
9		saprolite	br gy	very fine mica rich	10
12					<5
15		saprock	lt br gy	very fine mica rich	12
20					<5
25					8
28		saprock	gn br gy	metasediment origin	11
30					28
					11
					8
					7
					8
					8
					7
					7
					8
					8
					9
					9
					9
					8
					8

Site: MMAUT-3 Depth(m):21					
Location(UTM): EW693300 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
1		surf. Soil	br gy		11
1.5		duricrust	rd br		12
5		mottled zone	lt rd br		90
10		saprolite	br gy	purp dk g y	9
12					17
14		saprock	lt rd br	shistosity observed	<5
21					12
					12
					40
					9
					9
					9
					30
					12
					7
					11
					34
					42
					48
					42
					12

Site: MMAUT-4 Depth(m):24					
Location(UTM): EW693400 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
1		surf. Soil	lt br gy		36
3		duricrust	lt rd gy		12
6		mottled zone	lt rd gy	(5-9m dry)	68
8		saprolite	lt rd br		43
10			br gy		8
12			purp gy		13
15					12
20					11
24					12
					8
					12
					12
					18
					8
					7
					11
					7
					10
					13
					10
					10
					61
					67
					8
					7
					8

Site: MMAUT-5 Depth(m):24					
Location(UTM): EW693500 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
1		surf. Soil	lt br gy		9
4		duricrust	lt rd gy		7
6		mottled zone	lt rd gy		7
10		saprolite	lt rd br		5
15					8
20					7
24					7
					5
					35
					67
					90
					69
					323
					43
					40
					17
					23
					84
					43
					81

Site: MMAUT-6 Depth(m):30					
Location(UTM): EW693600 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. Soil	yel br gy		7
4		duricrust	yel br gy		78
7		mottled zone	lt rd wh		54
10		saprolite	lt br gy		30
15					12
20					13
25					12
30					8
					15
					12
					14
					20
					8
					11
					20
					14
					13
					9
					16
					12
					5
					9
					11
					12
					19
					9
					10
					12
					44
					12

Columnar Section of auger drilling holes (Torokoro)

Site: MMAUT-7 Depth(m):15					
Location(UTM): EW693700 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
2		surf. Soil	yel gy		8
8					8
10					18
12					10
12					12
13					10
15					11
10					10
16					16
7				granite origin?	7
12		saprolite	lt br gy		6
13					15
15					10
15					30

Site: MMAUT-8 Depth(m):15					
Location(UTM): EW693800 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
2		surf. Soil	yel gy		9
12					12
9					9
14					14
18					18
9					9
15					15
14					14
11					11
7					7
7				granite origin?	7
8		saprolite	lt rd gy		8
12					12
13					16
15					12
15					12

Site: MMAUT-9 Depth(m):16					
Location(UTM): EW693900 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. Soil	yel br gy		12
11					11
17					17
21					21
9					9
8					8
10					10
10					10
7					7
43					43
12					12
21					21
8					8
8					8
8					8
9					9

Site: MMAUT-10 Depth(m): 24					
Location(UTM): EW694000 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
1.5		surf. soil	yel gy	ferrug. rock granule, silt	8
10					10
2					12
12					12
5					8
8					9
14					14
9					9
14					14
13					13
13					13
14					14
13					13
12					12
9					9
13					13
12					12
14					14
19					19
21					21
12					12
10					10
11					11

Site: MMAUT-11 Depth(m): 28					
Location(UTM): EW694100 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
1					18
2					20
3					19
4					20
5					44
8					19
15					15
14					14
17					17
21					21
18					18
17					17
16					16
18					18
22					22
19					19
17					17
25					25
22					22
30					30
21					21
31					31
12					12
11					11
13					13
20					20
34					34
5					5

Site: MMAUT-12 Depth(m): 30					
Location(UTM): EW694200 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
2					30
2					9
4					5
8					8
5					9
8					8
11					11
7					7
8					8
14					14
7					7
8					8
11					11
16					16
29					29
14					14
13					13
16					16
15					15
14					14
41					41
12					12
11					11
11					11
11					11
13					13
14					14
14					14
30					30

Columnar Section of auger drilling holes (Torokoro)

Site: MMAUT-13 Depth(m): 30 Location(UTM): EW694300 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
1		surf. soil	gy	hard pebble inclu	55
					11
					<5
					38
					23
		duricrust	rd br	ferrug. rock granule- pebble	8
					14
					22
6					216
					47
					15
					16
					18
					18
					16
					15
					10
					10
					12
					7
					12
					15
					6
					12
					11
					11
					12
30					12

Site: MMAUT-14 Depth(m): 30 Location(UTM): EW694400 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
1					11
					<5
					23
					8
		duricrust	rd br	ferrug. rock granule- pebble	9
					47
					16
					18
					16
					27
10					25
					41
					54
					33
					30
					29
					17
					19
					15
					14
					12
					14
					15
					14
					15
					15
					15
					15
					15
					15
					15
30					15

Site: MMAUT-15 Depth(m): 30 Location(UTM): EW694500 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
1					13
					33
					11
					26
					29
					29
					29
					32
					79
					62
					64
					12
					13
					24
					22
					9
					13
					9
					11
					13
					7
					8
					22
					12
					12
					72
					12
					12
					13
					37
					13
30					13

Site: MMAUT-16 Depth(m): 30 Location(UTM): EW694600 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	lt gy	ferrug. rock granule, silt	12
					12
					12
					13
					52
					12
					26
					142
					32
					39
					29
					14
					14
					16
					11
					15
					63
					60
					21
					70
					16
					15
					15
					20
					15
					11
					15
					19
					13
30					14

Site: MMAUT-17 Depth(m): 24 Location(UTM): EW694700 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
1		surf. soil	wh gy	ferrug. rock granule, silt	30
					14
					277
					54
					12
					19
					25
					16
					29
					41
					12
					12
					11
					14
					12
					12
					13
					13
					13
					13
					10
					15
24					15

Site: MMAUT-18 Depth(m): 28 Location(UTM): EW694800 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		gravel		ferrug. rock granule, silt	28
					8
					12
					13
					16
					15
					15
					15
					24
					89
					80
					19
					17
					76
					56
					15
					12
					12
					13
					64
					44
					49
					39
					29
					30
					18
					19
					124
28					124

Columnar Section of auger drilling holes (Torokoro)

Site: MMAUT-19 Depth(m): 15					
Location(UTM): EW694900 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. Soil	rd br	ferrug. rock granule, silt	28
3		duricrust	rd br	ferrug. rock granule- pebble	12
4		mottled zone	rd br	parti-colored	12
9		saprolite	yel gy	very fine mica rich	18
15					28
					18
					22
					13
					31
					12
					39
					13
					32
					37

Site: MMAUT-20 Depth(m): 23					
Location(UTM): EW695000 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	yel br	ferrug. rock, silt	11
2.5		mottled zone	lt rd br-lt brgy	parti-colored	18
9		saprolite	yel wh gy	very fine mica rich	14
10		saprolite	lt rd br gy		16
15		saprolite	gr-dk gy		13
18		saprock	(gn) gy	slightly hard	13
23		saprock	(gn) gy	slightly hard	11
					11
					10
					183
					9
					7
					9

Site: MMAUT-21 Depth(m): 11					
Location(UTM): EW695100 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. Soil	lt rd br		55
3		duricrust	rd br		57
4		mottled zone	lt rd br		57
6		saprolite	yel gy		72
9		saprock	yel gy		795
11		saprock	yel gy		82
					11600
					17000
					636
					394
					48
					12

Site: MMAUT-22 Depth(m): 20					
Location(UTM): EW695200 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. Soil	rd br	2-5cm cobble incl	12
5		saprolite	wh gy		11
10		saprolite	lt gy		10
15		saprolite	lt gy		11
17		saprock	(gn) gy		9
20		saprock	(gn) gy		11
					11
					10
					10
					9
					11
					12
					11
					10
					10
					13
					12
					11
					28
					35

Site: MMAUT-23 Depth(m): 26					
Location(UTM): EW695300 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	rd br		4900
1.5		duricrust	rd br		41
2		mottled zone	rd br		9
6		saprolite	wh br		31
12		saprolite	lt purp br		31
16		saprock	lt gy		10
20		saprock	lt gy		7
26		saprock	lt gy		9
					9
					9
					9
					9
					10
					10
					14
					9
					13
					9
					15
					8
					8
					10
					8
					18
					9

Site: MMAUT-25 Depth(m): 30					
Location(UTM): EW695500 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	rd br		9
3		duricrust	rd br		10
7		saprolite	lt purp gy		9
10		saprock	(br) gy		8
15		saprock	gy		8
19		saprock	(br) gy		7
25		saprock	dk gy		10
30		saprock	bk gy		9
					8
					8
					11
					8
					7
					5
					5
					13
					9
					10
					9
					11
					8
					7
					5
					5
					<5
					5
					6
					6
					6
					8
					5

Site: MMAUT-24 Depth(m): 15					
Location(UTM): EW695400 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	dk rd br		9
8.5		duricrust	rd br		16
8		mottled zone	lt rd br		10
12		saprolite	wh gy		8
15		saprock	lt br gy		10
					8
					14

Site: MMAUT-26 Depth(m): 7					
Location(UTM): EW695600 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	rd br	fery pebble incl	7
7		saprock	lt br gy	fine powder like slime (hard)	12
					13
					11
					28
					10
					14

Site: MMAUT-27 Depth(m): 13					
Location(UTM): EW695700 NS1346250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	rd br	fery pebble incl	7
2		saprolite	rd br		28
4		saprock	purp gy		8
5		saprock	wh gy		5
8		saprock	purp gy		6
12		gy		downward from 8m very hard	<5
13		br gy			7
					9
					8
					6
					8
					7

Columnar Section of auger drilling holes (Torokoro)

Site: MMAUT-28 Depth(m): 28
Location(UTM): EW695800 NS1346250

Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	rd br	ferg pebble incl	20
		duricrust	rd br		11
					16
3.5					11
5		mottled zone	lt rd br		8
			lt br gy		17
					7
					12
9					15
					21
			lt gy		14
					10
					8
					9
15					14
					14
					16
					16
					22
					21
					17
					12
24.5			gy		15
					36
26		saprock	br gy		60

Site: MMAUT-29 Depth(m): 27
Location(UTM): EW695900 NS1346250

Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	rd br	ferg pebble incl	10
		duricrust	rd br		12
					14
					16
4					21
		mottled zone	lt rd br		13
5.5					21
			lt br gy		21
					13
8					23
					24
					13
			lt br		20
					22
13					15
					15
		saprolite			14
					13
					12
					12
20					10
					<5
					<5
			dk gy		6
24					6
					12
					16
			br gy		12
27					12

Site: MMAUT-30 Depth(m): 25
Location(UTM): EW696000 NS1346250

Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	rd br	ferg pebble-cobble incl	6
		duricrust	rd br		15
					9
					8
4.5					6
		mottled zone	rd br gy		12
7					8
					10
					9
					12
			br gy		88
					12
13					7
					5
					7
		saprolite	yel gy		7
					17
					10
					17
20					15
					15
					33
					22
24				lt br gy	21
		saprock	br gy		20

Site: MMAUT-31 Depth(m): 22
Location(UTM): EW696100 NS1346250

Depth (m)	Column	Lithology	Color	Description	Au (ppb)
					10
					10
		duricrust	rd br		13
					10
6					25
					13
		mottled zone	rd br		9
8					12
					15
			lt rd br		24
					22
12					30
		saprolite	yel wh		10
15					17
			wh gy		9
					11
					17
18					13
			yel wh		15
20					13
			gy		13
22					15

Site: MMAUT-32 Depth(m): 30
Location(UTM): EW696200 NS1346250

Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	lt rd br	ferg pebble incl	19
					25
		duricrust	rd br		16
					12
					11
					13
8					15
					16
					14
					15
					18
					47
					13
		saprolite	purp wh gy		13
15					12
					31
					24
					17
					25
					40
20					13
					11
					13
					23
					11
26					12
					10
					13
			lt br gy		23
					10
30					10

Site: MMAUT-33 Depth(m): 30
Location(UTM): EW696300 NS1346250

Depth (m)	Column	Lithology	Color	Description	Au (ppb)
					5
					8
		duricrust	rd br		13
					83
5					11
		mottled zone	rd br		5
7					9
					10
			lt rd br		14
					13
					9
					11
13					8
		saprolite			8
					6
					5
					<5
			gy		8
					9
					5
					7
					8
					9
					<5
24					6
					10
					13
			lt br gy		9
					7
30					10

Columnar Section of auger drilling holes (Torokoro)

Site: MMAUK-34 Depth(m): 14					
Location(UTM): EW699800 NS1343000					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	lt br	ferrug. rock pebble rich	31
					42
		duricrust	rd br	granule-pebble size ferrug. rock	<5
					7
5					22
6		lt rd br		sapro frag inclu	8
		mottled zone		6-10m very wet	7
			rd br		7
					8
10					8
		saprolite	rd br	wh sapro frag rich	6
				12-14very wet	88
					6
14					33

Site: MMAUK-35 Depth(m):28					
Location(UTM): EW699800 NS1343000					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
1		duricrust	rd br	peb-cob size ferrug. rock	8
					5
					5
4					7
5					<5
7		mottled zone	rd br	sapro frag inclu	9
				ferrug. rock pebble a little	32
8			lt rd br		<5
9			lt br gy		23
			yel br gy		24
11					6
12			yel br gy		13
			br gy		35
14		saprolite		wholly fine mica very rich	12
					35
			lt br gy		9
					5
					39
20					<5
					5
					5
					38
					<5
					23
					11
28				27-28m weakly wet	<5

Site: MMAUK-36 Depth(m): 22					
Location(UTM): EW700000 NS1343000					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
1		duricrust	rd br	peb-cob size ferrug. rock	5
					5
					40
4					21
5			lt rd br	sapro frag inclu	14
				ferrug. rock granule inclu	8
		mottled zone	lt rd br		10
8				7-10m wet	9
			rd br		8
10					7
		saprolite		10-21m dry	6
			lt br wh		7
					8
					<5
					5
					5
					6
					9
			lt br gy		43
					58
21					25
22			br gy		64

Site: MMAUK-37 Depth(m):17					
Location(UTM): EW700100 NS1343000					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
1		surf. soil	rd br	ferrug. rock pebble rich, rarely quartz inclu	5
2		mottled zone	br gy	ferrug. rock and sapro. granule inclu	91
				wh sapro frag rich	6
					7
		saprolite	lt gn gy	very fine mica rich	8
					22
					50
10					30
					37
					25
					24
					27
					20
15		saprock	lv		32
17					11

Site: MMAUK-38 Depth(m):16					
Location(UTM): EW700300 NS1343000					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	lt gy	ferrug. rock granule rich	10
2		duricrust	rd br	ferrug. rock granule rich	22
3		mottled zone	br gy	saprolite and quartz granule inclu	10
					22
		saprolite	lt gn gy	3-6m saprolite and quartz granule inclu	9
				from 6m quartz rare	8
					<5
8					26
		saprock	gn gy	wholly pelitic schist origin rarely quartz inclu	18
					27
					34
					40
16					10

Site: MMAUK-39 Depth(m):11					
Location(UTM): EW700500 NS1343000					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	lt gy	ferrug. rock granule rich	28
2		mottled zone	rd br	ferrug. rock granule-pebble	14
		saprolite	br gy	quartz inclu	<5
4					11
					23
		saprock	dk gy	wholly hard psamitic schist quartz inclu	8
					17
					5
					14
					25
11					30

Site: MMAUK-40 Depth(m):10					
Location(UTM): EW700600 NS1343000					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	lt br gy	ferrug. rock pebble-cobble	11
2		mottled zone	lt br gy	saplo. pebble rich	9
					5
		saprolite	dk gy	pelitic schist origin	5
					<5
5					24
					23
		saprock	bk gy	very hard black schist	<5
					8
10					3

Site: MMAUK-41 Depth(m):11					
Location(UTM): EW700700 NS1343000					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	lt br gy	ferrug. psamitic schist pebb	7
2		mottled zone	lt br gy	weekly ferrug. saplo. pebble rich	6
					5
		saprolite	dk gy	psamitic schist origin quartz inclu	6
					10
					33
					38
7					54
		saprock	lt gn gy	psamitic schist origin	44
					41
11					28

Columnar Section of auger drilling holes (Kalako)

Site: MMAUK-42 Depth(m):7 Location(UTM): EW700800 NS1343000					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	lt yel gy	ferrug. psamitic schist pebb	6
2		mottled zone	lt yel gy	ferrug. psamitic schist granule, quartz inclu	6
		saprolite	lt br gy	psamitic schist origin	8 33
5		saprock	gy	pelitic schist origin	32 22
7					87

Site: MMAUK-43 Depth(m):13 Location(UTM): EW700900 NS1343000					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	lt yel gy	ferrug. schist granule	41
2		mottled zone	lt yel gy	gn pelitic sch > ferrug. rock	39
4		saprolite	lt yel br gy	pelitic schist origin	40 6 42
7		saprock	lt yel gy	pelitic schist origin	9 6 5 7 7 6 12 11
13		saprock	lt gn gy	pelitic schist origin not so hard	

Site: MMAUK-44 Depth(m):21 Location(UTM): EW701000 NS1343000					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
1		surf. soil	purp gy	ferrug. rock, quartz	27
3		mottled zone	lt purp gy	parti-colored	15 27
5		saprolite	lt br gy	pelitic schist origin	8 44 10
8		saprock	lt gn gy	pelitic schist origin	32 28 22 25 28 30 34 26 35 33 34 35 64 39 39
19					
21			dk gy		

Site: MMAUK-45 Depth(m):13 Location(UTM): EW701100 NS1343000					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
1		surf. soil	rd br	ferrug. rock pebble > granule	38
2		mottled zone	lt rd br	ferrug. rock inclu	19
4		saprolite	lt yel gy	wholly fine mica rich	14 16 11
5		saprock	lt br gy	wholly fine mica rich	11
6			lt rd br		19
8			lt yel gy		34 15
12		saprock	lt gn gy	meta schist origin	19 9 40 21
13			gy	not so hard	28

Site: MMAUK-46 Depth(m): 13 Location(UTM): EW701200 NS1343000					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
3		duricrust	lt rd br	granule size ferrug. rock (secondary deposit?)	40 14 15
4		mottled zone	lt br gn gy	ferruginous saprolite frag inclu	27
6		saprolite	rd br	very fine mica rich	40 16 21 17 21 17 24 21
12		saprock	dk gy	very fine mica rich	
13			gn gy		20

Site: MMAUK-47 Depth(m): 11 Location(UTM): EW701400 NS1343000					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	dk gy	ferrug. granule-pebble	11
2		gravel	br gy	ferrug. granule-pebble	11
3		mottled zone		parti-colored	27
8		saprock	lt yel br gy	very fine mica rich	10 15 11 13 11 13 15 13
11			yel gy		

Site: MMAUK-48 Depth(m):9 Location(UTM): EW702000 NS1343000					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	lt rd br	saplo, ferrug. rock granule	18
5		saprolite	yel gy	saplo, ferrug. rock inclu	17 19 13 14
9		saprock	yel gn gy	meta schist	11 10 13 12

Site: MMAUK-49 Depth(m): 8 Location(UTM): EW702200 NS1343000					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	yel br gy	ferrug. pebble	13
8		saprock	yel gy	wholly very fine mica rich	12 10 8 17 11 10 10

Site: MMAUK-50 Depth(m):15 Location(UTM): EW702300 NS1343000					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
1		surf. soil	lt rd br	saplo, ferrug. granule inclu	17
5		saprolite	lt br gy	psamitic saplo, quartz inclu	14 13 13 14 18 11 12 14 18 12 13 13 11 13 16
11		saprock	lt yel gy	meta psamitic schist	
15			lt gn gy		

Columnar Section of auger drilling holes (Kalako)

Site: MMAUB-51 Depth(m): 26 Location(UTM) EW694300 NS1343500					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5	surf. soil		lt br	pebble-cobble size frag	6
		duriorust	rd br	ferg frag rich, saplo a little	36
					<5
4					9
5		mottled z.	lt rd br	saprolite frag inclu, ferg frag a little	43
			rt br gy		6
					7
					5
					5
10		saprolite	lt yel br	very fine mica rich	5
					26
					25
					20
					54
15					11
					56
18					31
					105
20					51
21					55
					41
					162
					18
					28
26					18

Site: MMAUB-52 Depth(m): 24 Location(UTM) EW694400 NS1343500					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
1	surf. soil		lt gy	pebble-cobble size frag	10
2		duriorust	rd br	granule-pebble size frag	5
3		mottled z.	br gy	saprolite frag inclu, ferrug. frag a little	10
			rt br gy		27
5					9
			yel gy		5
7					12
			br gy		13
					9
11		saprolite		very fine mica rich	12
					21
					39
					207
					38
20					18
					19
					23
					34
					33
					25
23					19
					25
24			lt br gy		18
					29

Site: MMAUB-53 Depth(m): 30 Location(UTM) EW694500 NS1343500					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5	surf. soil		yel gy	pebble-cobble size frag	19
		mottled zone	lt rd br	saprolite frag inclu	<5
2					26
					28
			yel gy		19
5					51
			yel br gy		7
					21
			lt br gy	very fine mica flake rich	5
		saprolite			5
					25
					6
					17
					11
					7
			br gy		<5
					12
					9
					16
					18
					25
					12
					16
					11
					19
					45
			yel br gy		22
					62
					38
				30m rarely rock texture observed	33
30					

Site: MMAUB-54 Depth(m): 30 Location(UTM) EW694600 NS1343500					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5	surf. soil		dk br	pebble-cobble size frag	18
		duriorust	rd br	pebble size ferrug. frag rich	48
3					23
		mottled zone	lt rd br	rarely ferrug. frag inclu	15
5				saprolite frag rich	21
					5
					66
			br gy	1-4mm saprolite rich	<5
					5
					7
					7
12					18
					14
			yel br gy	very fine mica rich	12
		saprolite			12
17					11
					13
			br gy		12
					14
20					14
					15
					11
					24
			dk br gy		26
					32
					35
					11
29					<5
30	saprock		lt br wh	weakly schistosity observed	22

Site: MMAUB-55 Depth(m): 30 Location(UTM) EW694700 NS1343500					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5	surf. soil		dk br	pebble-cobble size frag	26
		mottled zone	lt rd br	rarely ferrug. schist frag inclu	10
					16
					<5
5					7
					7
					19
			br wh gy		8
8					11
					5
					9
					12
		saprolite	lt gy		21
					7
					6
					9
					16
18					7
					8
				very fine mica rich	7
			lt br gy	(pelitic schist origin?)	<5
					6
					14
					22
					16
					11
					<5
					10
			lt br wh		<5
30					<5

Site: MMAUB-56 Depth(m): 30 Location(UTM) EW694800 NS1343500					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5	surf. soil		dk br	pebble size frag	<5
		duriorust	rd br	1-4mm ferrug. frag rich	<5
				az frag a little	<5
5					14
					32
			rd br	5-6m wet and under 6m dry	28
				2-4mm muscovite rich (granite origin?)	31
		mottled zone	lt rd br	rarely ferrug. frag inclu	26
9					29
					7
			br gy		6
					10
13					12
			lt gy		14
					18
					25
					24
					<5
			lt br wh		11
					28
		saprolite		very fine mica rich	12
22					71
					<5
			gy		66
					10
25					9
					6
15					23
					<5
29					<5
30	saprock		lt br wh	weakly granite texture observed	5

Columnar Section of auger drilling holes (Batouba)

Site: MMAUB-57 Depth(m): 23					
Location(UTM): EW694900 NS1343500					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
24					
5		durionust	rd br	ferrug. rd br frag rich	61
7				oz frag a little	7
7				rarely saprolite frag	93
8			lt rd br	3-5mm ferrug. frag rich	12
11		mottled zone	lt rd br	gn frag inclu	11
5					5
7					10
9					9
21		saprolite	lt br gy		17
17					16
10					10
12			lt br		11
8					8
21				(weakly wst)	12
23		saprock	rd gy	pelitic schist origin	10
					71

Site: MMAUB-58 Depth(m): 30					
Location(UTM): EW695000 NS1343500					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
102					
7		durionust	rd br	ferrug. rd br frag rich	5
5					7
5		mottled zone	purp br	sapro frag inclu	12
6					18
11			lt purp gy		6
19		saprolite	lt br gy	very fine mica inclu	20
10					10
8					8
9					9
9					9
10					10
13					13
10					10
63					63
63					63
6					6
19					19
7					7
5					5
11			br gy		11
8					8
8					8
8					8
9					9
9					9
8					8
9					9
8					8
9					9
8					8
9					9
8					8
30				29-30m partly greenish	8

Site: MMAUB-59 Depth(m): 27					
Location(UTM): EW695100 NS1343500					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
12		surf. Soil	purp br	vel. rd br frag inclu	12
<5					<5
8		durionust	rd br	ferrug. rd br frag rich	11
7					7
5					5
8					8
7		mottled zone	purp br	sapro frag inclu	18
8					8
8					8
10			purp gy		10
6					6
10					10
22					22
11					11
10					10
7					7
6		saprolite	br gy	very fine mica inclu	6
7					7
6					6
11					11
8					8
7					7
9					9
8					8
9					9
8					8
8			dk br gy	partly greenish	8
8					8
11					11
9					9
27					27

Site: MMAUB-60 Depth(m): 24					
Location(UTM): EW695200 NS1343500					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
9		surf. soil	lt br gy	vel. rd br frag inclu	9
10					10
3		durionust	lt rd br		8
7			rd br	ferrug. rd br frag rich	7
8					8
7					7
7					7
8		mottled zone	purp br	sapro frag inclu	9
11			lt purp br		9
8					8
7					7
9					9
8					8
8					8
7					7
9		saprolite	lt rd br	clay like silene	9
8					8
10					10
10					10
11					11
10					10
23					23
24		saprock	gn gy	metasediment origin	20

Columnar Section of auger drilling holes (Batouba)

Site: MMAUS-61 Depth(m): 4					
Location(UTM): EW706000 NS1335250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	gy	ferrug. rock pebble	11
4		duricrust	rd br	ferrug. rock granule-pebble	15
					11
					6

Site: MMAUS-64 Depth(m): 18					
Location(UTM): EW706300 NS1335250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	dk gy	ferrug. rock pebble	12
6		duricrust	rd br	ferrug. rock granule-pebble	14
					78
					13
					11
					21
8		ferruginous saprolite	lt rd br		16
					12
					9
			lt wh br		9
11					11
12		saprolite	br gy	psamitic schist origin	<5
			gy		<5
14					13
16		saprock	gn gy	pelitic schist origin	19
					18
			lt yel gy	along fissure brown colored	14
18					17

Site: MMAUS-65 Depth(m): 20					
Location(UTM): EW706400 NS1335250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	yel gy	ferrug. rock pebble	15
5		duricrust	rd br	ferrug. rock granule	21
					38
					25
					18
					18
		ferruginous saprolite	lt purp br		20
					31
					14
					10
11					16
					13
					16
		saprolite	br gy	pelitic schist origin	11
					19
					11
					13
19					68
					11
20		saprock	gn gy	pelitic schist origin	13

Site: MMAUS-62 Depth(m): 24					
Location(UTM): EW706100 NS1335250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	lt gy	ferrug. rock pebble	6
5		duricrust	rd br	ferrug. rock granule-pebble	6
					7
					9
					12
10		ferruginous saprolite	lt br	psamitic schist origin	28
					20
					21
					26
					18
					23
					20
					15
					24
15					17
					13
					35
					28
					73
					58
					42
22					41
24		saprock	gn gy	psamitic schist origin	31
					20

Site: MMAUS-63 Depth(m): 20					
Location(UTM): EW706200 NS1335250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	gy	ferrug. rock pebble	7
5		duricrust	rd br	ferrug. rock granule-pebble	8
					6
					7
					12
8			rd br		12
					15
					11
					13
					12
		ferruginous saprolite	purp gy	very fine mica rich	14
					11
					9
14					12
					10
				very fine mica rich	15
					96
					15
					17
20					44

Site: MMAUS-66 Depth(m): 30					
Location(UTM): EW706500 NS1335250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	yel gy	ferrug. rock granule	98
5		duricrust	rd br	ferrug. rock granule	31
					18
					106
					26
					28
7		ferruginous saprolite	yel br		108
					44
			lt br gy		38
10					42
					32
					27
			purp gy		38
					30
14		saprolite		pelitic schist origin	24
			br gy		19
17					20
					21
					28
			gy		42
					41
21					39
					28
					50
		saprock	gn gy	pelitic schist origin partly schistosity observed	38
					39
					61
					40
					41
30					41

Site: MMAUS-67 Depth(m): 24					
Location(UTM): EW706600 NS1335250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	yel gy	ferrug. rock granule	11
5		duricrust	rd br	ferrug. rock granule	10
					14
					16
					41
7			rd br		24
					10
					14
		ferruginous saprolite	lt rd br	medium grain mica rich	70
					16
					40
					17
					16
					11
					13
17					14
					16
		saprolite	gy	medium size mica rich	12
					10
					13
23					8
					9
24		saprock	gn gy	medium size mica rich (coarse psamitic schist or granite origin)	9

Columnar Section of auger drilling holes (Sirikoro)

Site: MMAUS-68 Depth(m): 18
Location(UTM): EW706700 NS1335250

Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	dk gy	ferrug. rock pebble-cobble	31
					5
		duricrust	rd br	ferrug. rock pebble-granule	11
					11
5					33
		ferruginous saprolite	br	psamitic schist origin	12
8					15
					11
		saprolite	gn gy	coarse crystalline c quartz a little included	12
					10
					9
					16
					12
					28
16		saprock	gn gy	coarse crystalline psamitic schist texture observed	15
18					11
					14

Site: MMAUS-69 Depth(m): 21
Location(UTM): EW706800 NS1335250

Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	dk gy	ferrug. rock pebble-cobble	54
			lt rd br		
		duricrust	purp br	ferrug. rock granule	100
3					38
4					94
		ferruginous saprolite	purp br		80
			purp gy		33
7					31
8			br		23
					24
					25
		saprolite	gy	pelitic schist origin	28
					26
13					16
					13
					9
					26
					19
			dk gy	pelitic schist origin	20
				13-21m psamitic schist intercalated	19
					18
					17
21					

Site: MMAUS-70 Depth(m): 20
Location(UTM): EW706900 NS1335250

Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	lt gy	ferrug. rock pebble-cobble	160
2		duricrust	lt rd br	ferrug. rock granule	18
					22
4		ferruginous saprolite	lt rd br		20
			purp gy		22
			yel gy		15
					42
					10
			gy		11
9					8
					9
		saprolite	dk gy	pelitic schist origin	17
					10
					9
					9
					11
					14
					12
18					10
			dk gy	pelitic schist origin	20
21					10

Site: MMAUS-71 Depth(m): 17
Location(UTM): EW707000 NS1335250

Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	gy	ferrug. rock granule	15
					13
4		duricrust	lt rd br	ferrug. rock granule	9
					13
					9
					12
			gy		24
		saprolite		pelitic schist origin	15
				very fine mica rich	11
10					15
			dk gy		9
					9
					10
					23
					13
17					16

Site: MMAUS-72 Depth(m): 16
Location(UTM): EW707100 NS1335250

Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	lt gy	ferrug. rock pebble-cobble	25
					12
		duricrust	lt rd br	ferrug. rock pebble-granule	11
					145
5			purp gy		44
		ferruginous saprolite	purp gy		71
7					43
			gy		38
9					22
					23
		saprolite		pelitic schist origin	16
			dk gy	very fine mica rich	17
					14
					13
15					15
16		saprock	bk gy	pelitic schist origin	14

Site: MMAUS-73 Depth(m): 22
Location(UTM): EW707190 NS1335250

Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	gy	ferrug. rock pebble-cobble	11
2		duricrust	lt rd br	ferrug. rock pebble-granule	15
					14
			milky purp gy		6
					5
6		ferruginous saprolite		very fine mica rich	6
			lt br gy		11
					9
9					11
					12
					12
			lt gn gy		11
					7
					<5
15		saprolite		pelitic schist origin	<5
				very fine mica rich	6
					5
					<5
					5
					<5
					<5
22					6

Site: MMAUS-74 Depth(m): 18
Location(UTM): EW707400 NS1335250

Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	gy	ferrug. rock pebble-cobble	<5
2			milky rd br		5
			milky br gy		<5
					<5
6					<5
		ferruginous saprolite			6
			lt purp gy		9
				pelitic schist origin	7
				very fine mica rich	15
					<5
					8
					9
14			lt br gy		7
					13
16					11
		saprolite	lt gn gy	pelitic schist origin	15
18				very fine mica rich	13

Site: MMAUS-75 Depth(m): 15
Location(UTM): EW707500 NS1335250

Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	gy	ferrug. rock pebble-cobble	
2			lt rd br		13
					12
			milky purp gy		12
					10
					15
7		ferruginous saprolite		pelitic schist origin	13
				very fine mica rich	36
					32
					47
			lt rd gy		44
					39
					36
					32
15					146

Columnar Section of auger drilling holes (Sirikoro)

Site: MMAUS-76 Depth(m): 24					
Location(UTM): EW706000 NS1334750					
Depth (m)	Colum	Lithology	Color	Description	Au (ppb)
0.3		surf. Soil	gy	ferrug. rock pebble-	8
1			lt rd br		<5
4			rd br		<5
5			lt rd br		5
6					6
9		ferruginous saprolite	lt br gy	white sapro fragment inclu	9
15					10
22		saprolite	yel gy	very fine mica rich	5
24		saprock	gn gy	biotite schist	7

Site: MMAUS-77 Depth(m): 23					
Location(UTM): EW706100 NS1334750					
Depth (m)	Colum	Lithology	Color	Description	Au (ppb)
0.5		surf. Soil	lt br gy	ferrug. rock pebble/cobble	10
2		duricrust	rd br	ferrug. rock granule & reddish powder	12
4			lt rd br		11
13		ferruginous saprolite	lt rd br gy	very fine mica rich	9
23		saprolite	lt br gy	very fine mica rich	8

Site: MMAUS-78 Depth(m): 20					
Location(UTM): EW706200 NS1334750					
Depth (m)	Colum	Lithology	Color	Description	Au (ppb)
0.5		surf. Soil	br gy	ferrug. rock pebble/cobble	12
2		duricrust	lt rd br	ferrug. rock granule	7
3		ferruginous saprolite	lt rd br	very fine mica rich	5
6			lt purp gy		9
18		saprolite	lt br gy	very fine mica rich	8
20			lt yel gy		8

Site: MMAUS-79 Depth(m): 21					
Location(UTM): EW706300 NS1334750					
Depth (m)	Colum	Lithology	Color	Description	Au (ppb)
1		surf. soil	lt rd br	ferrug. rock pebble	<5
2		duricrust	lt rd br	ferrug. rock granule	10
3		ferruginous saprolite	lt rd br	very fine mica rich	12
4			lt purp gy		11
15		saprolite	lt br gy	very fine mica rich	8
21			lt yel gy		8

Site: MMAUS-80 Depth(m): 21					
Location(UTM): EW706400 NS1334750					
Depth (m)	Colum	Lithology	Color	Description	Au (ppb)
1		duricrust	rd br	ferrug. rock granule- pebble	10
5			purp br		17
9		ferruginous saprolite	purp br	very fine mica rich	17
21		saprolite		very fine mica rich	11

Site: MMAUS-81 Depth(m): 23					
Location(UTM): EW706500 NS1334750					
Depth (m)	Colum	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	lt rd br	ferrug. rock pebble-cobble	12
3		ferruginous saprolite	lt br gy		19
6			lt yel br		17
23		saprolite	lt br gy	very fine mica rich	17

Site: MMAUS-82 Depth(m): 8					
Location(UTM): EW706600 NS1334750					
Depth (m)	Colum	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	lt rd br	ferrug. rock pebble-cobble	35
2		ferruginous saprolite	lt rd br		70
4		saprolite	yel gy		181
7			lt gn gy	very fine mica rich	51
8		saprock	gn gy	fine psamitic schist origin, quartz granule a little inclu	90

Columnar Section of auger drilling holes (Sirikoro)

Site: MMAUS-83 Depth(m): 16					
Location(UTM): EW706700 NS1334750					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	lt gy	ferrug. rock granule	16
2		ferruginous saprolite	lt br gy		17
					77
					14
		saprolite	gy	fine psamitic schist origin	9
				quartz granule included	6
7					7
					16
					12
					16
					8
					13
					14
14					12
		saprock	gn gy	fine psamitic schist origin	11
16					12

Site: MMAUS-84 Depth(m): 10					
Location(UTM): EW706800 NS1334750					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	gy	ferrug. rock granule-peggle	14
2		ferruginous saprolite	lt br gy		23
					46
4		saprolite		rarely quartz included	18
					15
6					15
					14
		saprock	dk gy	pelitic schist origin	14
					10
10					11

Site: MMAUS-85 Depth(m): 6					
Location(UTM): EW706900 NS1334750					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	lt gy	ferrug. rock >> quartz pebble	16
2		ferruginous saprolite	lt br gy	ferruginous saprolite	12
					14
		saprolite	gy	rarely pelitic schist texture observed	8
5					11
6		saprock	dk gy	pelitic schist origin	12

Site: MMAUS-87 Depth(m): 10					
Location(UTM): EW707100 NS1334750					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
1		surf. soil	lt br gy	mainly dk ferrug. rock granule included	15
2		ferruginous saprolite	lt rd br		11
					10
4		saprolite	lt yel gy	very fine mica rich	14
					17
6					18
					30
8			lt br gy		18
		saprock	lt gn gy	pelitic schist origin	10
10					9

Site: MMAUS-88 Depth(m): 21					
Location(UTM): EW707200 NS1334750					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	lt rd br	duricrust pebble-boulder	15
2			milky rd br		12
			lt yel br		8
4					12
			lt rd br		10
6					14
					12
					14
					26
		ferruginous saprolite	lt purp gy	psamitic schist origin	17
					16
					17
					17
					12
					17
					14
					14
17					12
		saprolite	lt gn gy	psamitic schist origin	15
20					10
21		saprock	gn gy	psamitic schist origin	11

Site: MMAUS-86 Depth(m): 8					
Location(UTM): EW707000 NS1334750					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	lt gy	ferrug. rock >> quartz pebble	6
2		duricrust	rd br		7
3		ferruginous saprolite	lt rd br		9
		saprolite	yel gy	rarely pelitic schist texture observed	8
5					11
					15
		saprock	gy	pelitic schist origin	10
8					17

Site: MMAUS-89 Depth(m): 23					
Location(UTM): EW707300 NS1334750					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	lt rd br	duricrust pebble-boulder	16
					43
					13
					14
					11
					74
					16
					9
					10
					18
10		ferruginous saprolite	lt rd br	very fine mica rich	8
					11
					14
					13
					13
					12
					12
					13
					14
					15
					16
					12
					9
23					8

Site: MMAUS-90 Depth(m): 15					
Location(UTM): EW707400 NS1334750					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	lt rd br	ferrug. rock pebble-cobble	13
					10
					9
5					9
					16
7			lt yel br	very fine mica rich	8
					10
		ferruginous saprolite			9
					15
					14
					9
					15
					13
14					14
					10

Site: MMAUS-91 Depth(m): 23					
Location(UTM): EW707500 NS1334750					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	lt rd br	ferrug. rock pebble-cobble	15
					12
					10
					14
					8
					8
					10
					9
					9
		ferruginous saprolite		very fine mica rich	5
					14
					12
					11
					12
					10
					13
					15
					14
19					11
					10
			lt br gy		12
					14
					12

Columnar Section of auger drilling holes (Sirikoro)

Site: MMAUS-92 Depth(m): 20					
Location(UTM): EW706000 NS1334250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3	surf. Soil		lt gy	ferrug. rock pebble-granule	9
7					8
7					7
8					8
9		ferruginous saprolite	lt rd br	feldspar, mica rich, quartz a little	9
7					7
9					9
9					9
19					19
10					7
8		saprolite	lt br gy	feldspar, mica rich, quartz a little	8
5					5
8					8
8					8
16					7
8		saprock	lt br gy	mica, quartz rich (coarse psamitic schist or granite origin)	8
6					6
7					7
20					8

Site: MMAUS-93 Depth(m): 19					
Location(UTM): EW706100 NS1334250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
1		mottled	lt br gy	ferrug. rock and saprolite fragment	7
2		zone	lt rd br		9
9					9
6					6
7		ferruginous saprolite	lt rd br	medium size mica rich	7
5					5
18					18
16					16
9					9
10			br gy		13
10					10
15		saprolite	gy	medium size mica rich	13
14					14
9					9
15					15
15					15
19					14

Site: MMAUS-94 Depth(m): 19					
Location(UTM): EW706200 NS1334250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3	surf. Soil		dk gy	ferrug. rock granule	11
1			br gy		15
9					9
9					9
8		ferruginous saprolite	purp gy	mica rich	8
7					7
6					6
9					<5
5					5
11			br gy		<5
11					<5
19		saprolite	yel gn gy	medium size mica rich (coarse grain psamitic schist origin?)	6
19					<5
19					<5
19					5
19					5
19					6
19					5

Site: MMAUS-95 Depth(m): 18					
Location(UTM): EW706300 NS1334250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3	surf. Soil		dk gy	ferrug. rock pebble	5
1					6
30					30
5					5
5		ferruginous saprolite	rd br	(psamitic schist origin?)	6
5					5
6					6
5					5
8					8
23					23
14					6
16		saprolite	br gy	(psamitic schist origin?)	4
18			lt gy		5
18					7

Site: MMAUS-96 Depth(m): 16					
Location(UTM): EW706400 NS1334250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3	surf. soil		lt rd br	ferrug. rock pebble	6
1					6
2		duricrust	rd br		6
3			rd br		7
5			yel br		6
5		ferruginous saprolite		psamitic schist origin	47
5					49
6					24
6					47
6			lt rd br		6
19					19
8					8
13		saprolite	lt br gy	psamitic schist origin quartz bearing	7
16					7
16					8

Site: MMAUS-97 Depth(m): 20					
Location(UTM): EW706500 NS1334250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3	surf. Soil		lt rd br	ferrug. rock>quartz	18
1					46
3			lt yel br gy		24
4			lt br gy		25
4		ferruginous saprolite		very fine mica rich	31
7			lt purp gy		31
7					58
7					46
10			lt rd br gy		39
10					41
14		saprolite	lt br gy	very fine mica rich	11
14					12
18			yel gy		13
18					9
18					10
20			lt br gy		25
20					21

Site: MMAUS-98 Depth(m): 15					
Location(UTM): EW706600 NS1334250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3	surf. Soil		lt rd br	granule size ferrug. rock	16
2					10
2		ferruginous saprolite	lt rd br	very fine mica rich	<5
6			lt rd br		28
6					24
7			lt br gy		9
7					<5
11		saprolite	milky br gy	very fine mica rich	<5
11					<5
11					<5
15			milky wh gy		<5
15					<5

Site: MMAUS-99 Depth(m): 20					
Location(UTM): EW706700 NS1334250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3	surf. Soil		lt gy	granule size ferrug. rock	41
3		ferruginous saprolite	lt rd br	quartz a little	8
3					<5
10		saprolite	yel gy	mica, feldspar rich (coarse psamitic schist or granite origin?)	<5
10					<5
10					<5
10					<5
10					<5
16					<5
16		saprock	yel gn gy	very fine biotite rich (coarse psamitic schist or granite origin?)	<5
20					<5

Site: MMAUS-100 Depth(m): 9					
Location(UTM): EW706800 NS1334250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3	surf. Soil		gy	granule size ferrug. rock	31
2		ferruginous saprolite	lt br gy		23
4			yel gy		111
4		saprolite		psamitic schist origin	82
8			br wh gy		9
8					50
8					118
8					654
9		saprock	yel gy	psamitic schist origin	266

Columnar Section of auger drilling holes (Sirikoro)

Site: MMAUS-101 Depth(m): 10					
Location(UTM): EW706900 NS1334250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. Soil	gy	granule>pebble size ferrug.	12
2		ferruginous saprolite	lt br gy		13
3		saprolite	lt yel gy	psamitic schist saprolite, quartz fragment	39
7					7
<5			yel gy		<5
34					34
5				5	
9				18	
10		saprock	gn gy	psamitic schist origin	<5

Site: MMAUS-104 Depth(m): 12					
Location(UTM): EW707200 NS1334250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. Soil	dk gy	granule>pebble size ferrug.	<5
2		ferruginous saprolite	lt rd br		5
3		saprolite	lt br gy	psamitic schist origin	<5
<5					<5
<5			yel gy		<5
48					48
7				7	
11				35	
12		saprock	gn yel gy	psamitic schist origin	<5

Site: MMAUS-107 Depth(m): 5					
Location(UTM): EW707500 NS1334250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. Soil	lt rd br	granule>pebble size ferrug.	11
		duricrust	rd br	ferrug. rock pebble & reddish powder	25
					21
					12
5					19

Site: MMAUS-108 Depth(m): 3					
Location(UTM): EW706000 NS1335750					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	dk gy	granule>pebble size ferrug.	21
		duricrust	rd br	ferrug. rock granule-pebble	16
3					14

Site: MMAUS-109 Depth(m): 2					
Location(UTM): EW706100 NS1335750					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	dk gy	granule>pebble size ferrug.	23
2		duricrust	rd br	ferrug. rock granule-pebble	19

Site: MMAUS-110 Depth(m): 2					
Location(UTM): EW706200 NS1335750					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	dk gy	granule>pebble size ferrug.	24
2		duricrust	rd br	ferrug. rock granule-pebble	17

Site: MMAUS-111 Depth(m): 2					
Location(UTM): EW706300 NS1335750					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	dk gy	granule>pebble size ferrug.	9
2		duricrust	rd br	ferrug. rock granule-pebble	15

Site: MMAUS-112 Depth(m): 4					
Location(UTM): EW706400 NS1335750					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	dk gy	granule>pebble size ferrug.	8
		duricrust	rd br	ferrug. rock granule-pebble	25
					18
4					41

Site: MMAUS-102 Depth(m): 15					
Location(UTM): EW707000 NS1334250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. Soil	dk gy	granule>pebble size ferrug.	<5
		duricrust		granule>pebble size ferrug. rock	<5
4					12
5			lt rd br		<5
		ferruginous saprolite	purp gy	fine crystalline psamitic schist origin	<5
8					8
			lt br gy		<5
11					<5
		saprolite	yel gy	fine crystalline psamitic schist origin	<5
14					5
15		saprock	gy	psamitic schist origin	<5

Site: MMAUS-105 Depth(m): 20					
Location(UTM): EW707300 NS1334250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. Soil	lt rd br	granule>pebble size ferrug.	<5
1		duricrust	purp lt rd br	ferrug. saprolite> black ferrug. rock fragment surface of pebbles are colour milky white but inside are reddish black	9
2					20
4			lt purp milky gy		24
					52
		ferruginous saprolite	lt purp gy	milky white saprolite fragment including	22
					15
					19
					18
10					21
					15
					11
					13
					20
					24
18		saprolite	lt br gy		47
					39
					37
20					31

Site: MMAUS-113 Depth(m): 18					
Location(UTM): EW706500 NS1335750					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	dk gy	granule>pebble size ferrug.	17
		duricrust	rd br	ferrug. rock granule-pebble	48
					39
					10
7					39
		ferruginous saprolite	lt rd br	coffee br very fine mica rich	12
8					46
					15
					27
		saprolite	br gy	very fine mica rich	21
12					14
					20
					29
18		saprolite	(gn) gy		32
					28
18					35
					32

Site: MMAUS-103 Depth(m): 12					
Location(UTM): EW707100 NS1334250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. Soil	lt rd br	granule>pebble size ferrug.	<5
2		ferruginous saprolite	lt rd br		15
					<5
		saprolite	yel gy	fine crystalline psamitic schist origin	<5
					11
					115
					425
					150
					25
					35
11				psamitic schist origin (black compact fine crystalline schist including)	37
12		saprock	gn yel gy		58

Site: MMAUS-106 Depth(m): 20					
Location(UTM): EW707400 NS1334250					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. Soil	lt rd br	granule>pebble size ferrug.	8
		duricrust	rd br	ferrug. rock pebble & reddish powder	21
					25
					10
					5
		ferruginous saprolite	rd br	fine crystalline psamitic schist origin	15
					13
8					48
					39
		saprolite	lt br gy	fine crystalline psamitic schist origin	42
11					45
12			79		
		saprock	lt gy br	pelitic schist origin	52
					51
					68
17					41
			52		
			32		
20			40		

Site: MMAUS-114 Depth(m): 16					
Location(UTM): EW706800 NS1335750					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	dk gy	granule>pebble size ferrug.	5
		duricrust	rd br	ferrug. rock granule-pebble	12
					19
					22
					14
		ferruginous saprolite	rd br gy		15
7					17
					89
8					14
		saprolite	dk gy	very fine mica rich	17
					14
					15
					16
					18
16					12

Site: MMAUS-115 Depth(m): 3					
Location(UTM): EW706700 NS1335750					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	dk gy	granule>pebble size ferrug.	29
		duricrust	lt rd br	ferrug. rock granule	16
3					12

Columnar Section of auger drilling holes (Sirikoro)

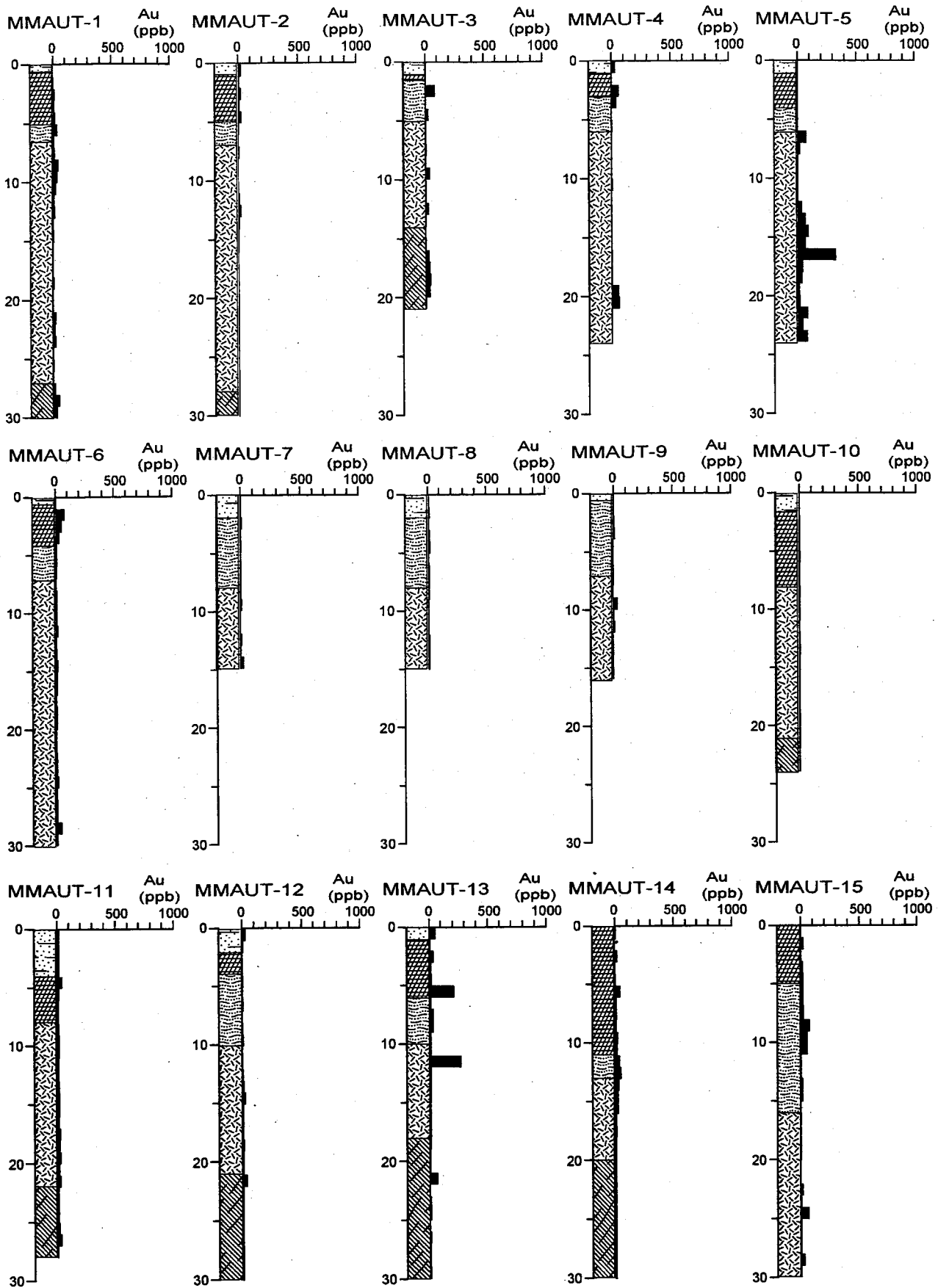
Site: MMAUS-125 Depth(m): 5					
Location(UTM): EW707000 NS1335750					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	lt gy	ferrug. rock pebble	<5
5		duricrust	rd br	ferrug. rock granule-pebble	<5
6					<5
18		ferruginous saprolite		very fine mica rich	<5
24			lt br		<5
30			yel br	sticky clay like	<5

Site: MMAUS-128 Depth(m): 5					
Location(UTM): EW707000 NS1335750					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	lt gy	ferrug. rock granule-pebble	<5
6		duricrust	lt rd br	ferrug. rock granule-pebble	<5
12			lt br	peritic schist origin	<5
15			bk gy	12-15m black schist origin	<5
17		ferruginous saprolite	dk gy		<5
27			gy	sticky clay like	<5
30			yel gy	alternation of yel and gy	<5

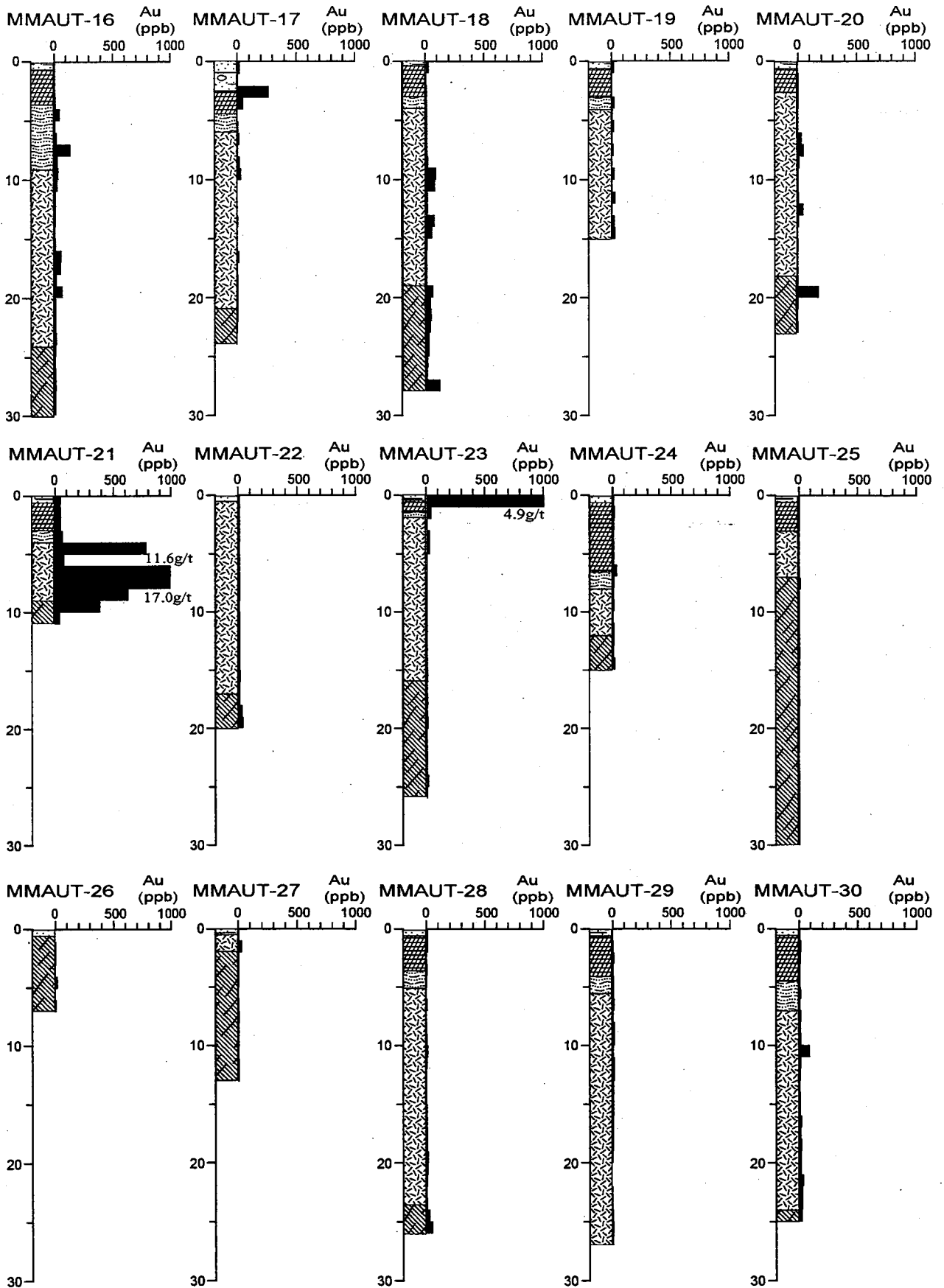
Site: MMAUS-129 Depth(m): 28					
Location(UTM): EW707000 NS1335750					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.3		surf. soil	lt gy	ferrug. rock granule-pebble	<5
2		duricrust	lt rd br	ferrug. rock granule-pebble	<5
6			rd br		<5
8		ferruginous saprolite	rd br		<5
10			gy		<5
15			dk gy	very fine mica rich smooth clay like	<5
17		saprolite	dk gy		<5
25			gy	peritic schist origin	<5
28		saprock	bk gy	black schist origin	<5

Site: MMAUS-126 Depth(m): 5					
Location(UTM): EW707000 NS1335750					
Depth (m)	Column	Lithology	Color	Description	Au (ppb)
0.5		surf. soil	lt gy	ferrug. rock pebble	5
2			lt rd br		14
5		duricrust	rd br	ferrug. rock granule-pebble rarely quartz fragment included	<5

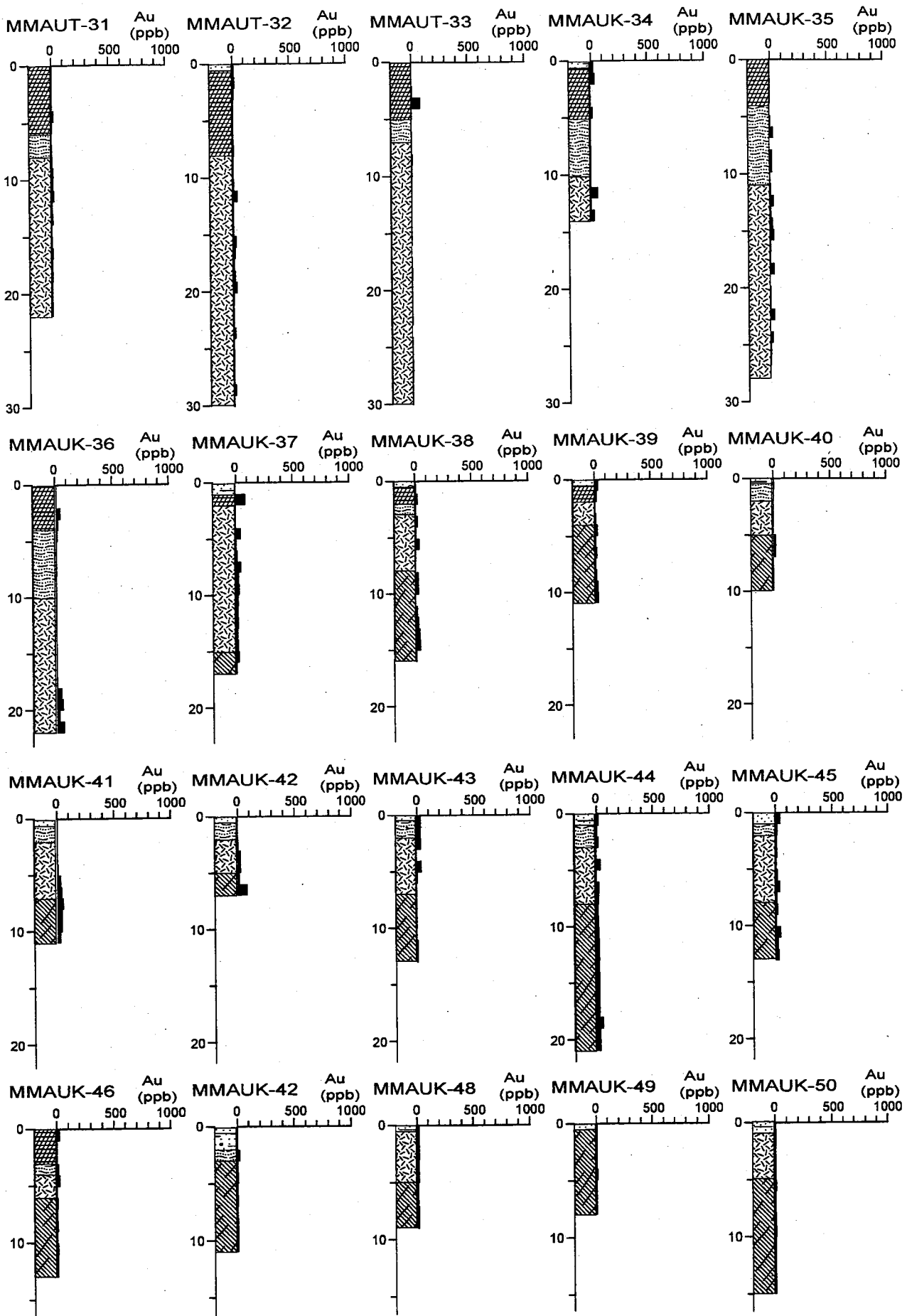
Columnar Section of auger drilling holes (Sirikoro)



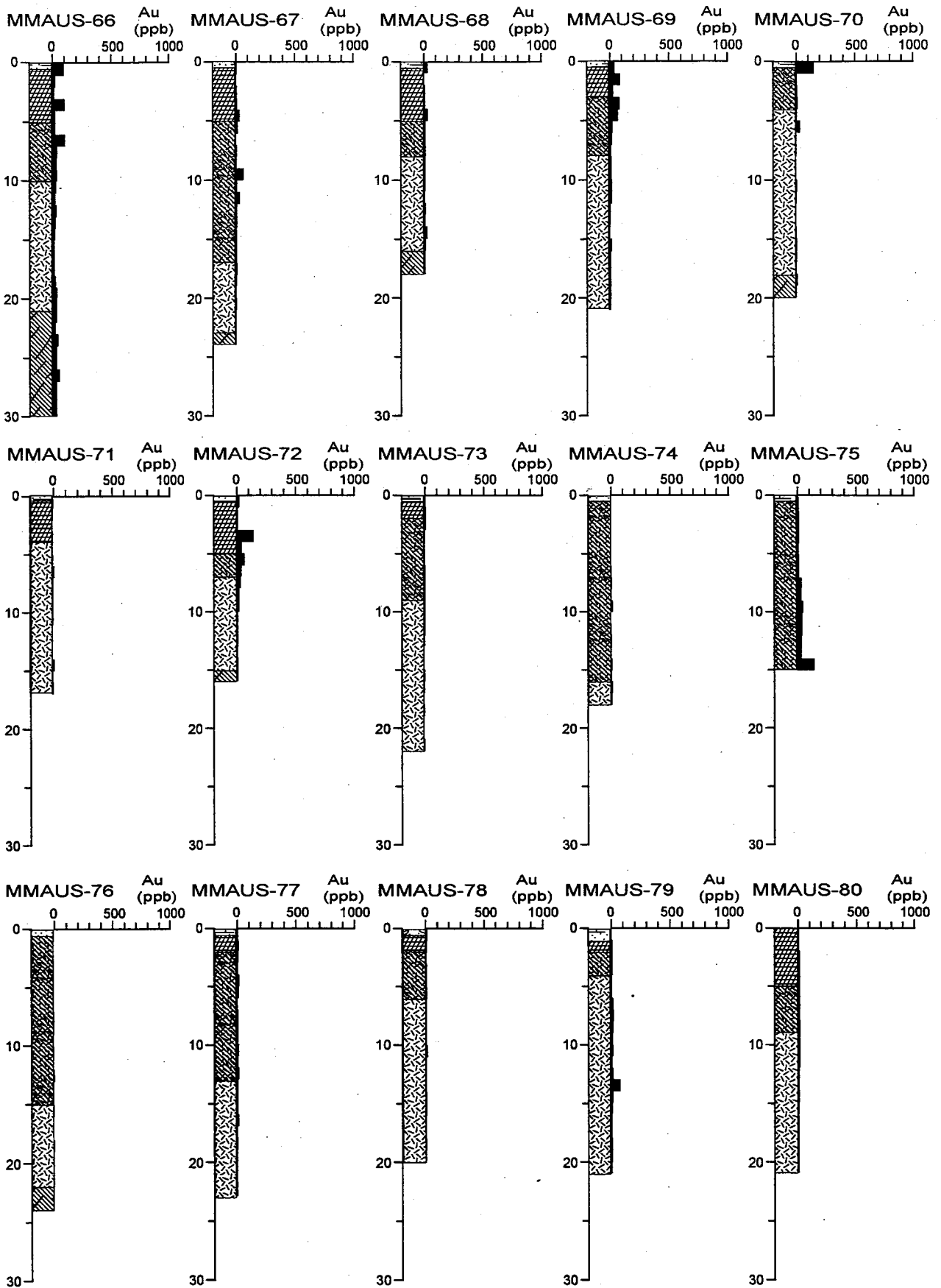
Auger drill hole profile with gold results (1/8)



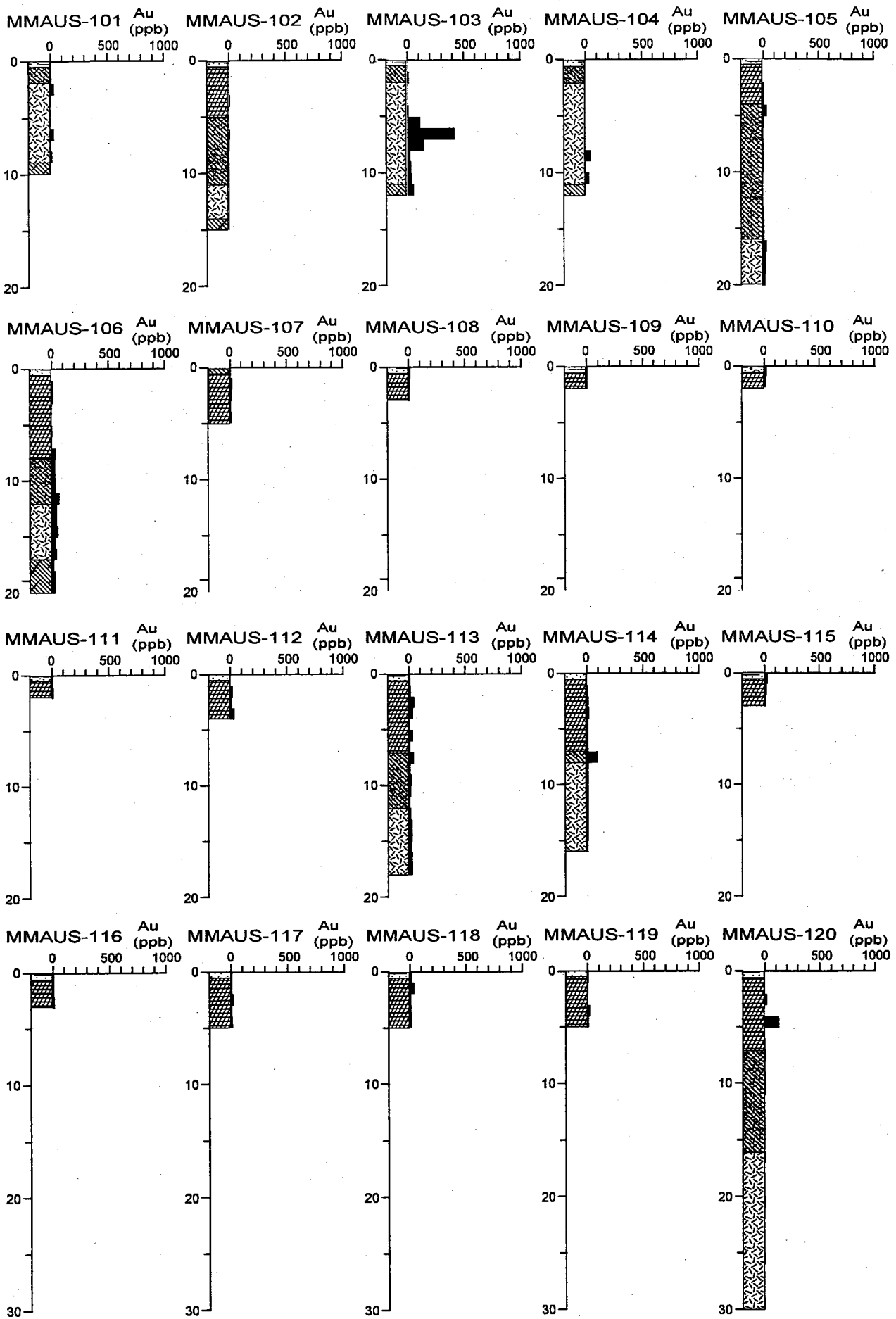
Auger drill hole profile with gold results (2/8)



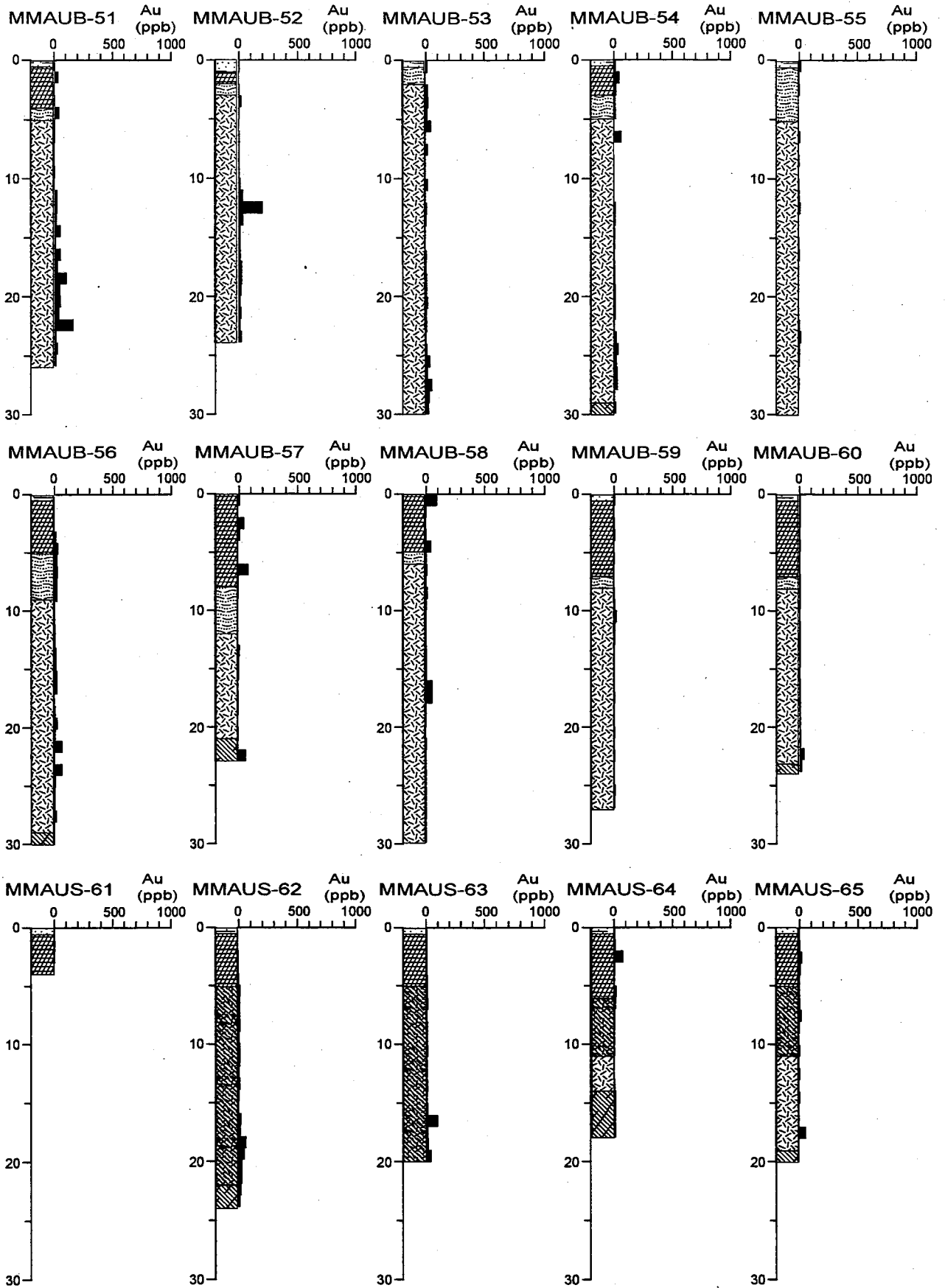
Auger drill hole profile with gold results (3/8)



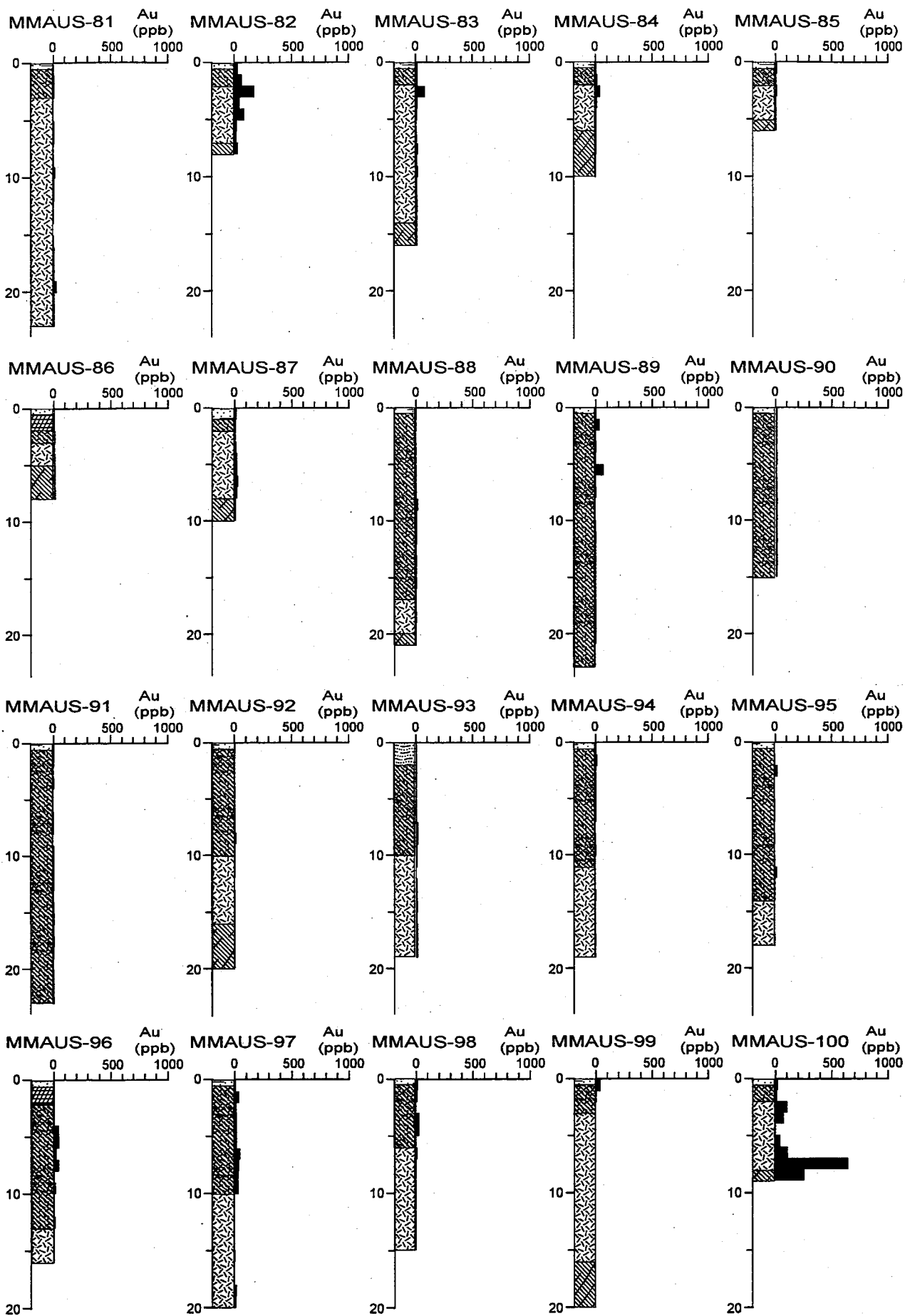
Auger drill hole profile with gold results (5/8)



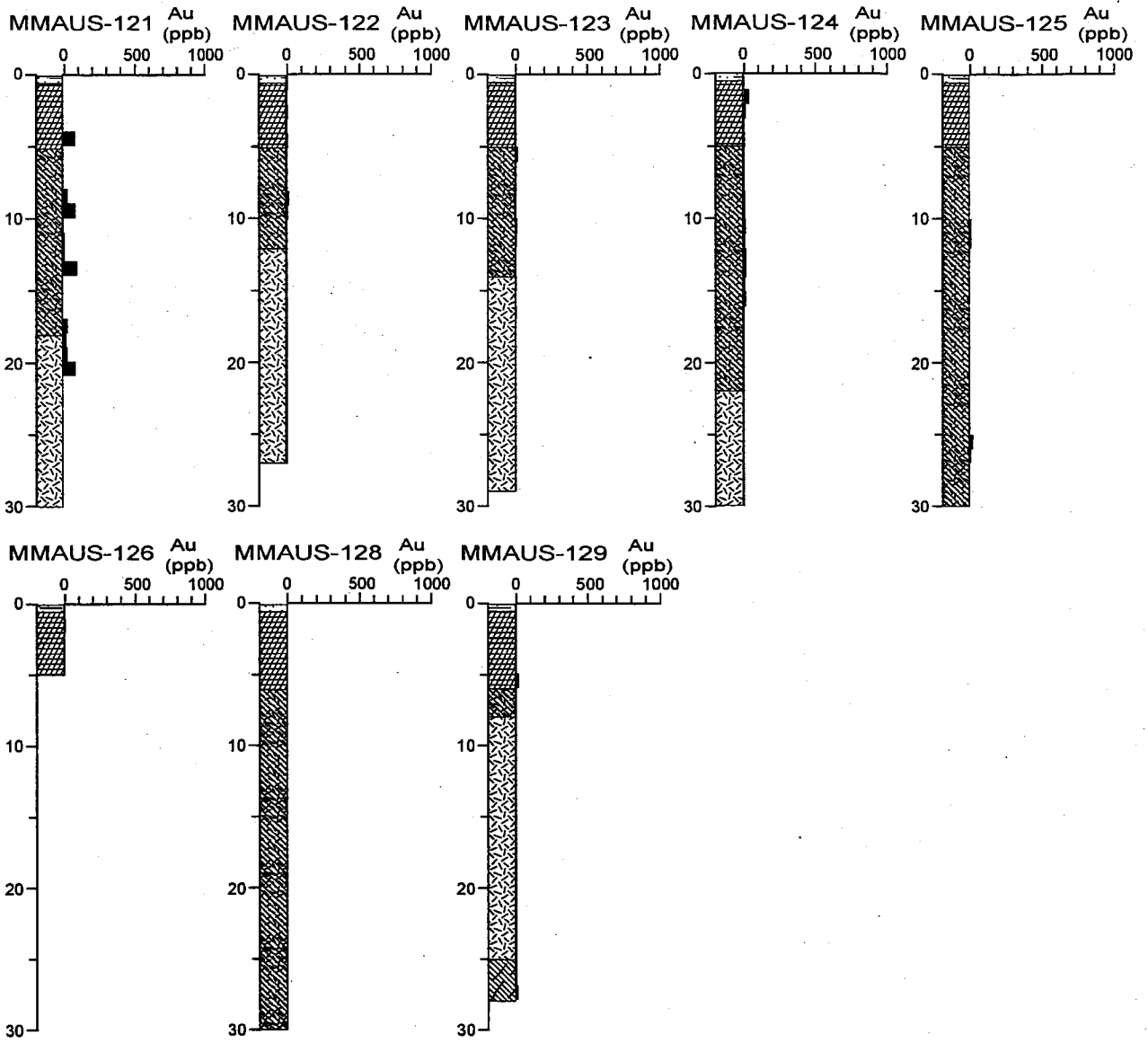
Auger drill hole profile with gold results (7/8)



Auger drill hole profile with gold results (4/8)

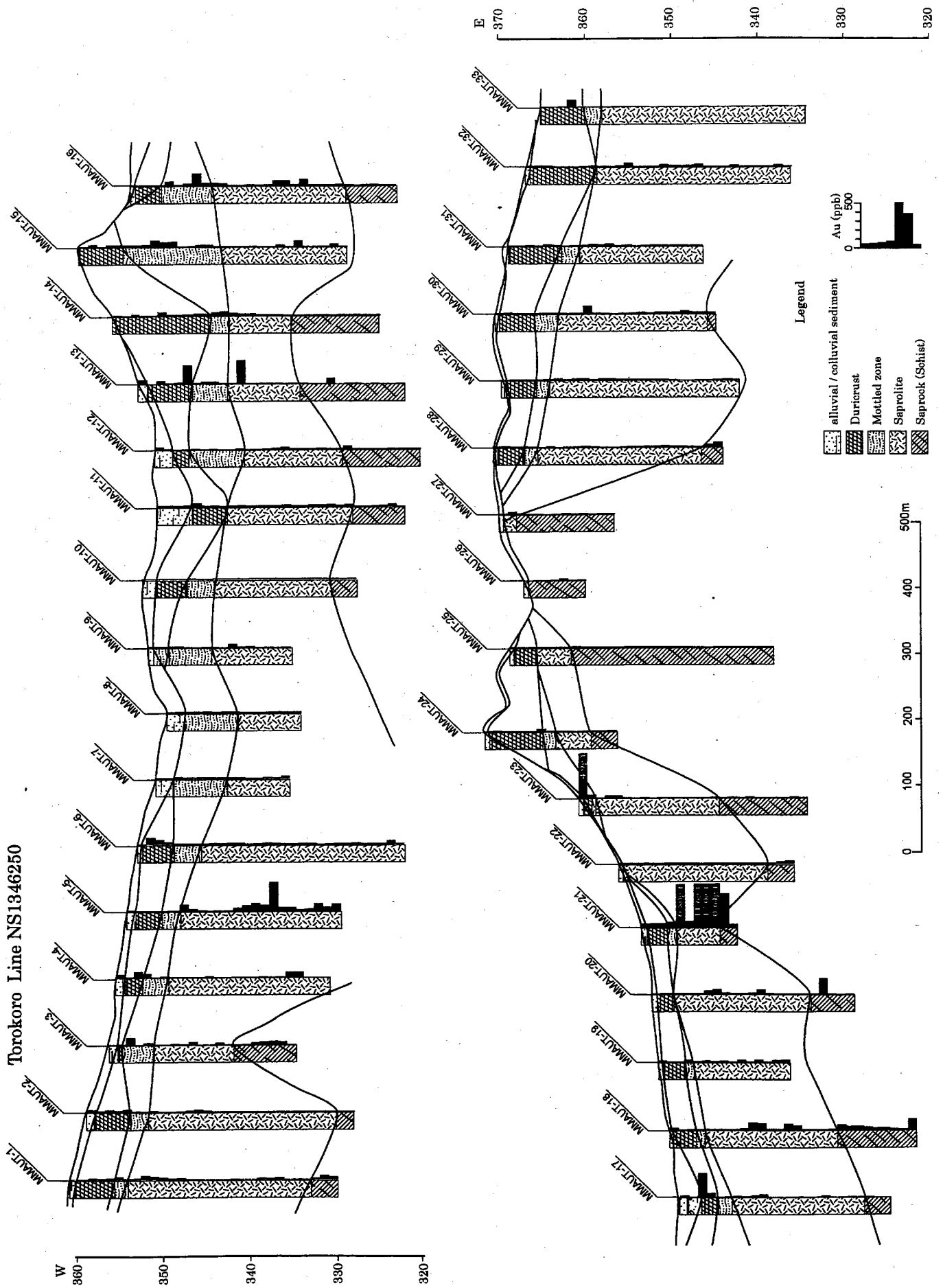


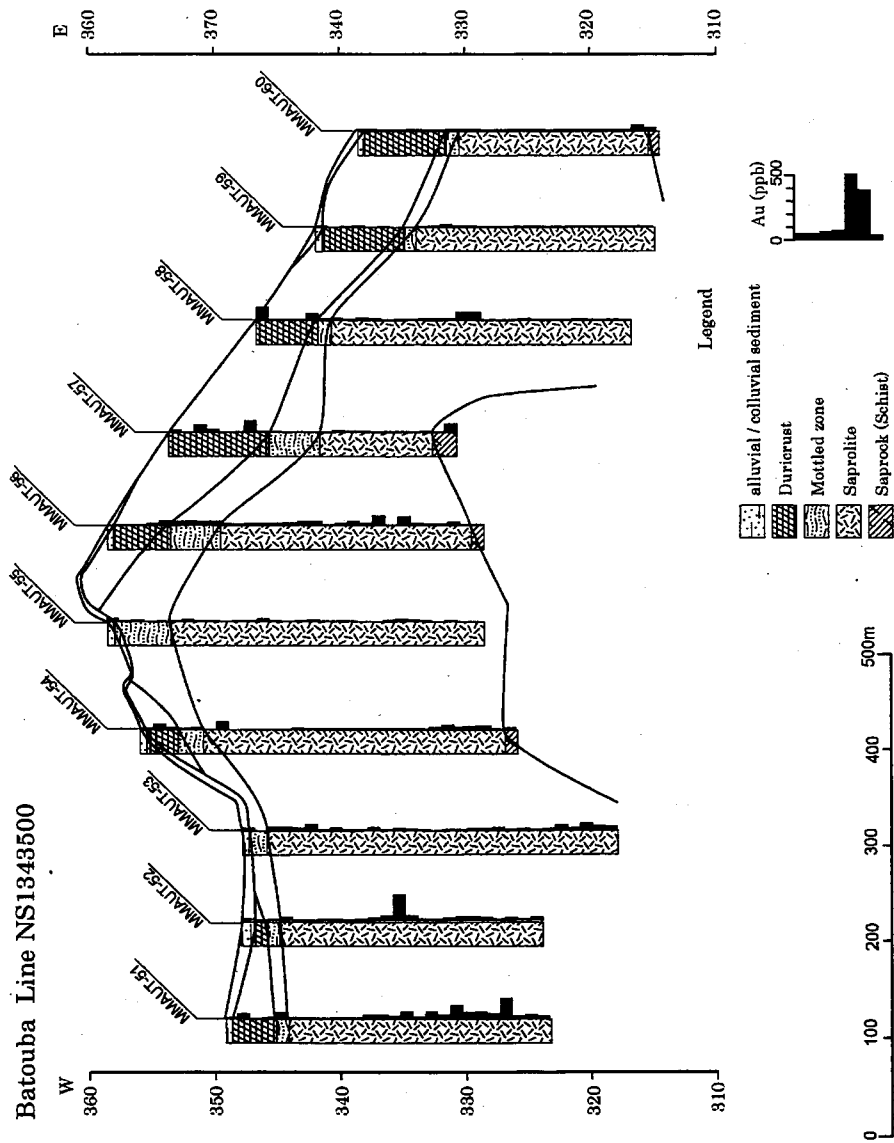
Auger drill hole profile with gold results (6/8)



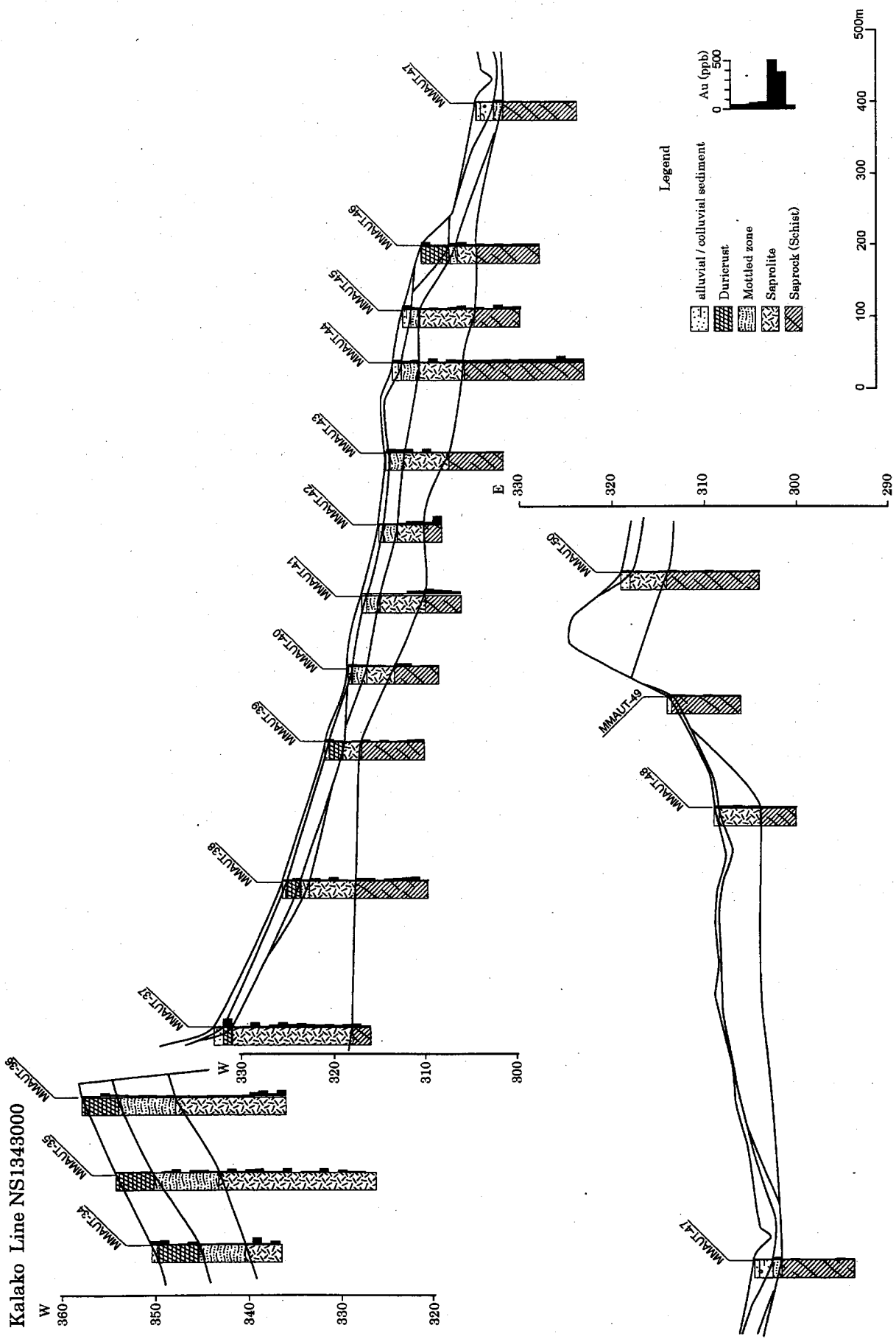
Auger drill hole profile with gold results (8/8)

Torokoro Line NS1346250

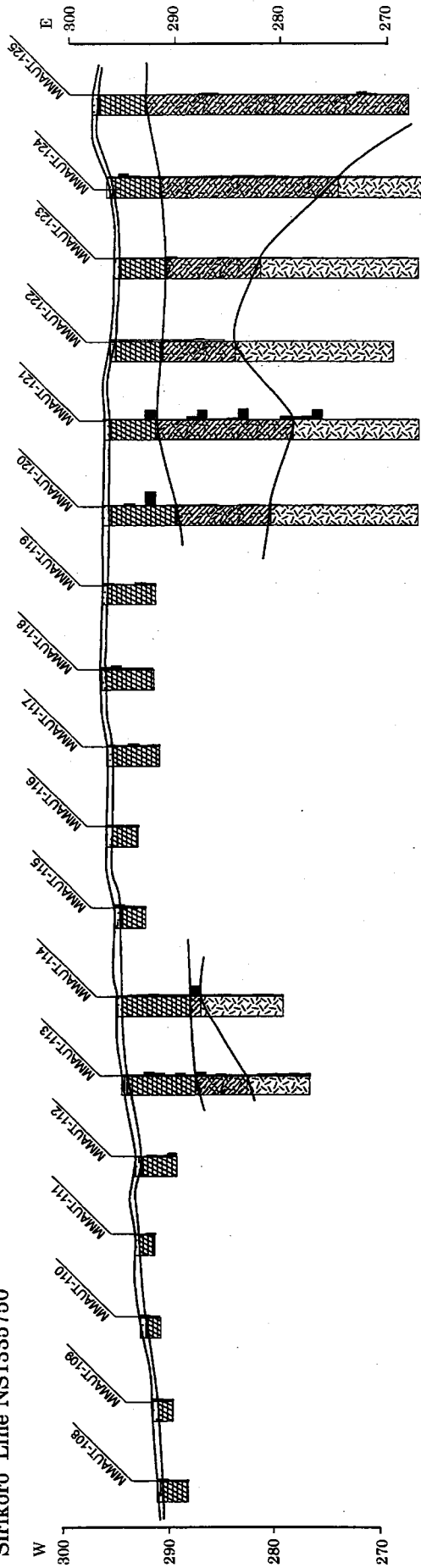




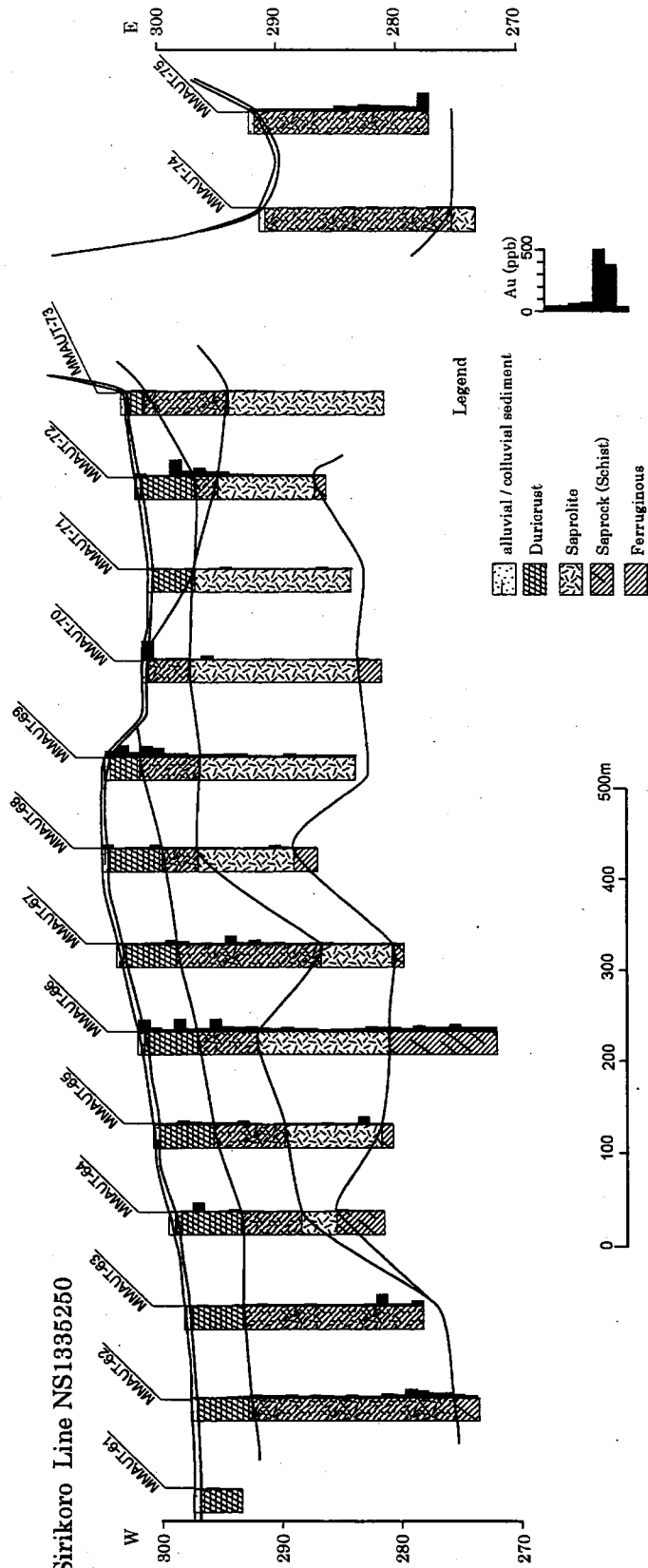
Kalako Line NS1343000



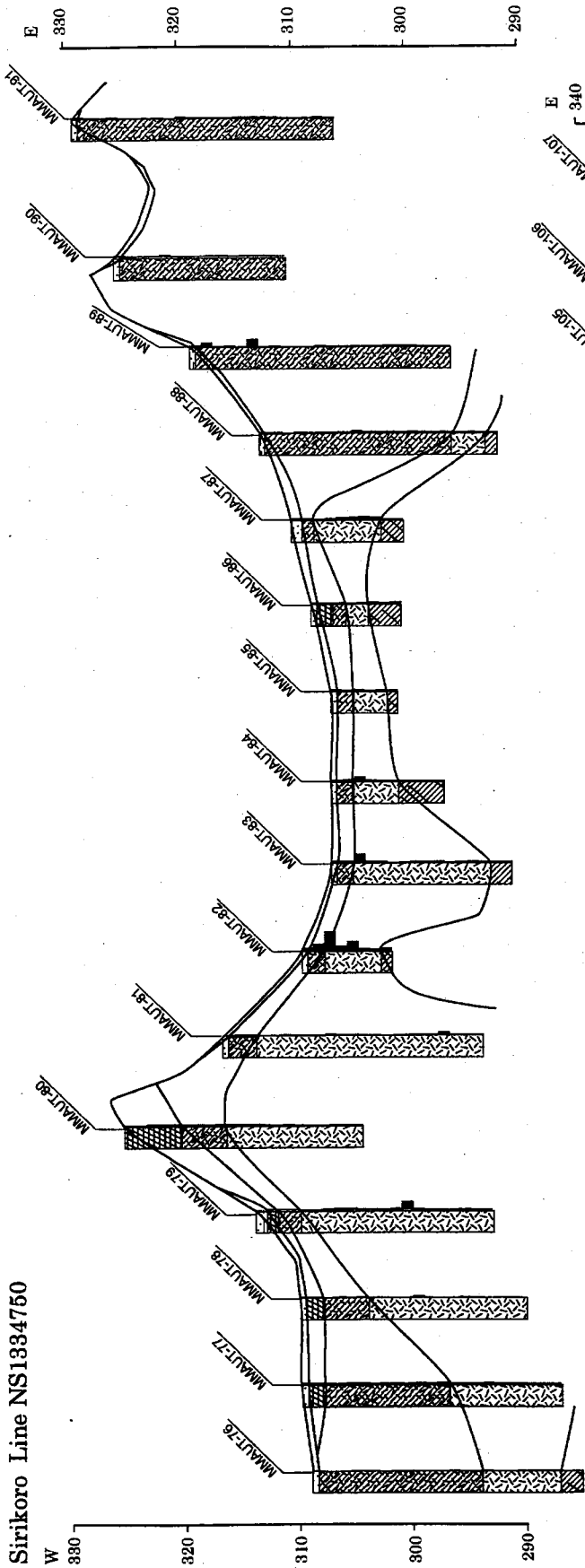
Sirikoro Line NS1335750



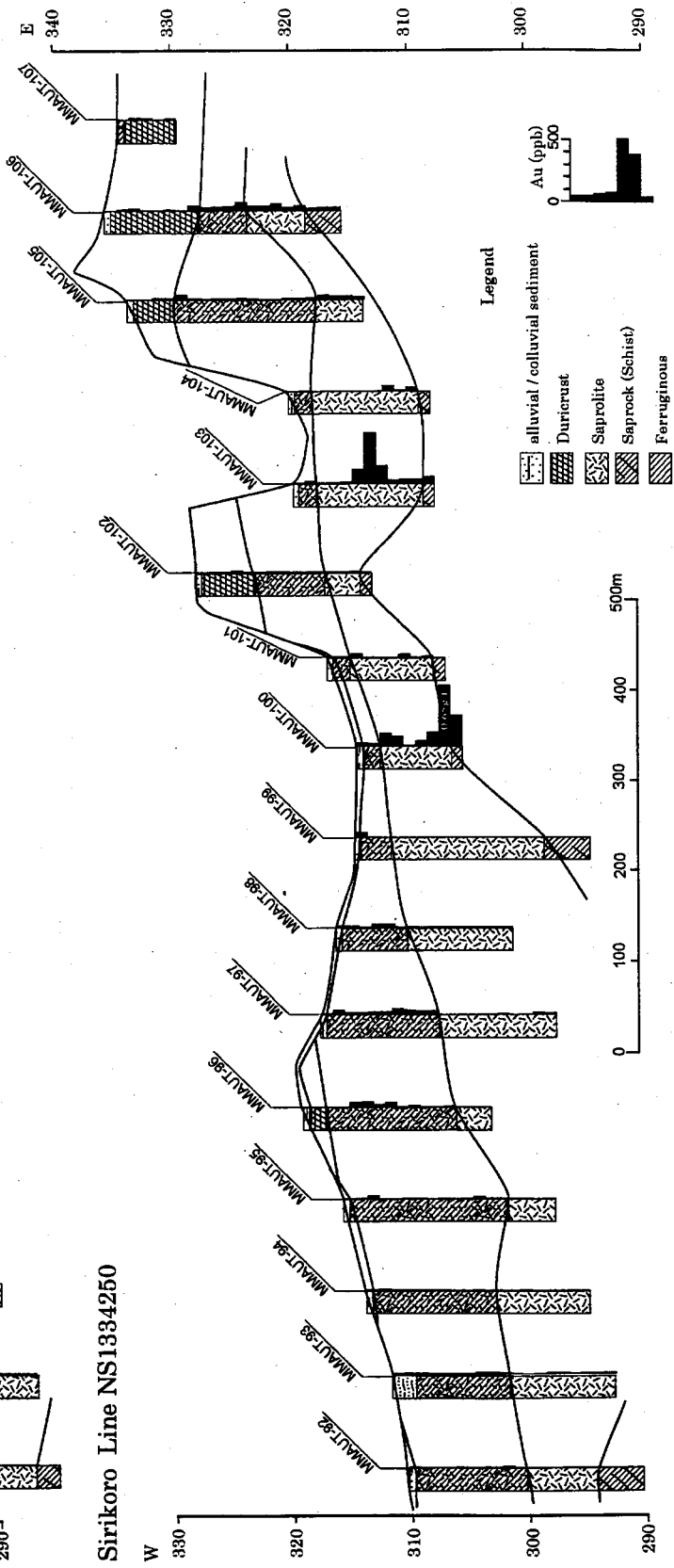
Sirikoro Line NS1335250



Sirikoro Line NS1334750



Sirikoro Line NS1334250



Results of X-ray diffraction analysis (1/5)

		Quartz	Plagioclase	K-feldspar	Albite	Muscovite	Kaolinite	Halloysite	Chlorite	Smectite	C/S	Hornblende	Pyrite	Hematite	Epidote	
MMAUT-4	0-1m	⊙		Δ		·	○							·		
MMAUT-4	2-3m	⊙		Δ		·	○							·		
MMAUT-4	4-5m	⊙		Δ		·	○							Δ		
MMAUT-4	6-7m	⊙				·	○							Δ		
MMAUT-4	8-9m	⊙				○	⊙							Δ		
MMAUT-4	10-11m	⊙				⊙	⊙							Δ		
MMAUT-4	12-13m	⊙				⊙	⊙							Δ		
MMAUT-4	14-15m	⊙				Δ	⊙							Δ		
MMAUT-4	16-17m	⊙				⊙	⊙							Δ		
MMAUT-4	18-19m	⊙				○	⊙							Δ		
MMAUT-4	20-21m	⊙				○	⊙							Δ		
MMAUT-4	22-23m	⊙				○	⊙							Δ		
MMAUT-10	0-1m	⊙		Δ		·	Δ							·		
MMAUT-10	2-3m	⊙		·		·	○							·		
MMAUT-10	4-5m	⊙		·		·	○							Δ		
MMAUT-10	6-7m	⊙		Δ		·	⊙							Δ		
MMAUT-10	8-9m	⊙				·	⊙							Δ		
MMAUT-10	10-11m	⊙				·	⊙							Δ		
MMAUT-10	12-13m	⊙				·	⊙							Δ		
MMAUT-10	14-15m	⊙				·	⊙							Δ		
MMAUT-10	16-17m	⊙				·	⊙							Δ		
MMAUT-10	18-19m	⊙				·	⊙				Δ			Δ		
MMAUT-10	20-21m	⊙				·	⊙			·	⊙			·		
MMAUT-10	22-23m	⊙				·	⊙				⊙			·		
MMAUT-20	0-1m	⊙				Δ	○							Δ		
MMAUT-20	1-2m	⊙				Δ	○							Δ		
MMAUT-20	2-3m	⊙				⊙	⊙				○			Δ		
MMAUT-20	3-4m	⊙				○	⊙				⊙			·		
MMAUT-20	4-5m	⊙			○	⊙	⊙				⊙			·		
MMAUT-20	5-6m	⊙			Δ	○	⊙				⊙			·		
MMAUT-20	6-7m	⊙			○	○	⊙				⊙			·		
MMAUT-20	7-8m	⊙			○	○	⊙				⊙			·		
MMAUT-20	8-9m	⊙			○	⊙	⊙				⊙			·		
MMAUT-20	9-10m	⊙			○	⊙	⊙				⊙			·		
MMAUT-20	10-11m	⊙			○	○	⊙				⊙			·		
MMAUT-20	11-12m	⊙			○	○	⊙				⊙			·		
MMAUT-20	12-13m	⊙			○	○	⊙				⊙			·		
MMAUT-20	13-14m	⊙				⊙	⊙				⊙			·		
MMAUT-20	14-15m	⊙				⊙	⊙				⊙			·		
MMAUT-20	15-16m	⊙			Δ	⊙	⊙				⊙			·		
MMAUT-20	16-17m	⊙			Δ	⊙	⊙				⊙			·		
MMAUT-20	17-18m	⊙			Δ	⊙	⊙				⊙			·		
MMAUT-20	18-19m	⊙			Δ	⊙	⊙				⊙			·		
MMAUT-20	19-20m	⊙			⊙	⊙	⊙				⊙			·		
MMAUT-21	0-1m	⊙				Δ	○							Δ		
MMAUT-21	1-2m	⊙				Δ	○							Δ		
MMAUT-21	2-3m	⊙				·	○							Δ		
MMAUT-21	3-4m	⊙				·	⊙			Δ	·			Δ		
MMAUT-21	4-5m	⊙				·	⊙			Δ	Δ			Δ		
MMAUT-21	5-6m	⊙				○	⊙			○	Δ			·		
MMAUT-21	6-7m	⊙			○	·	⊙				Δ			·		
MMAUT-21	7-8m	⊙			○	·	○				○			·		
MMAUT-21	8-9m	⊙			○	○	○				○			·		
MMAUT-21	9-10m	⊙			○	○	⊙					Δ		·		
MMAUT-21	10-11m	⊙			○	·	⊙				·	Δ		Δ		?Heu

Results of X-ray diffraction analysis (2/5)

		Quartz	Plagioclase	K-feldspar	Albite	Muscovite	Kaolinite	Halloysite	Chlorite	Smectite	C/S	Hornblende	Pyrite	Hematite	Epidote	
MMAUT-22	0-1m	⊙				⊙	⊙							Δ		
MMAUT-22	1-2m	⊙				⊙	⊙							Δ		
MMAUT-22	2-3m	⊙				⊙	⊙							Δ		
MMAUT-22	3-4m	⊙				⊙	⊙				Δ			Δ		
MMAUT-22	4-5m	⊙				⊙	⊙				Δ			Δ		
MMAUT-22	5-6m	⊙				⊙	⊙				Δ			Δ		
MMAUT-22	6-7m	⊙				⊙	⊙				⊙			.		
MMAUT-22	7-8m	⊙				⊙	⊙				⊙			.		
MMAUT-22	8-9m	⊙				⊙	⊙				⊙			.		
MMAUT-22	9-10m	⊙				⊙	⊙				⊙			.		
MMAUT-22	10-11m	⊙				⊙	⊙				⊙			.		
MMAUT-22	11-12m	⊙				⊙	⊙				⊙			.		
MMAUT-22	12-13m	⊙				⊙	⊙				⊙			.		
MMAUT-22	13-14m	⊙				⊙	⊙				⊙			.		
MMAUT-22	14-15m	⊙				⊙	⊙				⊙			.		
MMAUT-22	15-16m	⊙				⊙	⊙				⊙			.		
MMAUT-22	16-17m	⊙				⊙	⊙				⊙			.		
MMAUT-22	17-18m	⊙			⊙	⊙	⊙				⊙			.		
MMAUT-22	18-19m	⊙			⊙	⊙	⊙				⊙			.		
MMAUT-22	19-20m	⊙			Δ	⊙	⊙				⊙					
MMAUT-22	20-21m	⊙			Δ	⊙	⊙				⊙					
MMAUT-22	21-22m	⊙			Δ	⊙	⊙				⊙					
MMAUT-31	0-1m	⊙				.	Δ							Δ		
MMAUT-31	2-3m	⊙				.	Δ							Δ		
MMAUT-31	4-5m	⊙				.	⊙							⊙		
MMAUT-31	6-7m	⊙				Δ	⊙							⊙		
MMAUT-31	8-9m	⊙				Δ	⊙							Δ		
MMAUT-31	10-11m	⊙				Δ	⊙							Δ		
MMAUT-31	12-13m	⊙				⊙	⊙							Δ		
MMAUT-31	14-15m	⊙				⊙	⊙							Δ		
MMAUT-31	16-17m	⊙				⊙	⊙							Δ		
MMAUT-31	18-19m	⊙				⊙	⊙							Δ		
MMAUT-31	20-21m	⊙				⊙	⊙							Δ		
MMAUK-35	0-1m	⊙				.	⊙							Δ		
MMAUK-35	2-3m	⊙				Δ	⊙							Δ		
MMAUK-35	4-5m	⊙				Δ	⊙							Δ		
MMAUK-35	6-7m	⊙				Δ	⊙							Δ		
MMAUK-35	8-9m	⊙				⊙	⊙							Δ		
MMAUK-35	10-11m	⊙				⊙	⊙							Δ		
MMAUK-35	12-13m	⊙				⊙	⊙							Δ		
MMAUK-35	14-15m	⊙				⊙	⊙							Δ		
MMAUK-35	16-17m	⊙				⊙	⊙							Δ		
MMAUK-35	18-19m	⊙				⊙	⊙							Δ		
MMAUK-35	20-21m	⊙				⊙	⊙							Δ		
MMAUK-35	22-23m	⊙				⊙	⊙							Δ		
MMAUK-35	24-25m	⊙				⊙	⊙							Δ		
MMAUK-35	26-27m	⊙				⊙	⊙							Δ		
MMAUK-44	0-1m	⊙	Δ			⊙	⊙			.				.		
MMAUK-44	2-3m	⊙	Δ			⊙	⊙	Δ	Δ					.		
MMAUK-44	4-5m	⊙			Δ	⊙	⊙	⊙	Δ							
MMAUK-44	6-7m	⊙			⊙	⊙	⊙	⊙	Δ							
MMAUK-44	8-9m	⊙			⊙	⊙	⊙	⊙	Δ					.		
MMAUK-44	10-11m	⊙			⊙	⊙	⊙	⊙			Δ			.		
MMAUK-44	12-13m	⊙			⊙	⊙	⊙	⊙			Δ			.		
MMAUK-44	14-15m	⊙			⊙	⊙	⊙	⊙	.		Δ			.		
MMAUK-44	16-17m	⊙			⊙	⊙	⊙	⊙			Δ			.		
MMAUK-44	18-19m	⊙			⊙	⊙	⊙	⊙			Δ			.		
MMAUK-44	20-21m	⊙			⊙	⊙	⊙	⊙			Δ			Δ		?Heu

Results of X-ray diffraction analysis (3/5)

		Quartz	Plagioclase	K-feldspar	Albite	Muscovite	Kaolinite	Halloysite	Chlorite	Smectite	C/S	Hornblende	Pyrite	Hematite	Epidote	
MMAUB-54	0-1m	⊙				•	○							△	△	
MMAUB-54	2-3m	⊙				•	⊙							△		
MMAUB-54	4-5m	⊙				△	⊙							△		
MMAUB-54	6-7m	△				○	⊙							△		
MMAUB-54	8-9m					○	⊙							△		
MMAUB-54	10-11m					○	⊙							△		
MMAUB-54	12-13m	○				○	⊙							△		
MMAUB-54	14-15m	○				○	⊙							△		
MMAUB-54	16-17m	○				○	⊙							△		
MMAUB-54	18-19m	○				○	⊙							△		
MMAUB-54	20-21m	○				○	⊙							△		
MMAUB-54	22-23m	⊙				○	⊙							△		
MMAUB-54	24-25m	⊙				○	⊙							△		
MMAUB-54	26-27m	⊙				○	⊙							△		
MMAUB-54	28-29m	⊙				○	⊙							△		
MMAUS-76	0-1m	⊙					○							△		
MMAUS-76	2-3m	⊙					○							△		
MMAUS-76	4-5m	⊙				•	○							△		
MMAUS-76	6-7m	⊙				•	⊙							△		
MMAUS-76	8-9m	⊙				•	⊙							△		
MMAUS-76	10-11m	⊙				•	⊙							△		
MMAUS-76	12-13m	⊙				•	⊙							△		
MMAUS-76	14-15m	⊙				•	⊙							△		
MMAUS-76	16-17m	⊙		•		•	⊙	△						△		
MMAUS-76	18-19m	⊙				△	⊙	△						•		
MMAUS-76	20-21m	⊙				△	⊙	△						•		
MMAUS-76	22-23m	⊙				△	⊙	△			△			•		
MMAUS-79	0-1m	○				•	⊙							△		3.31?Zircon
MMAUS-79	2-3m	○				•	⊙							△		
MMAUS-79	4-5m	○				•	○							△		
MMAUS-79	6-7m	⊙				•	⊙							△		
MMAUS-79	8-9m	⊙				•	⊙							△		
MMAUS-79	10-11m	⊙				•	⊙							△		
MMAUS-79	12-13m	⊙				•	⊙							△		
MMAUS-79	14-15m	⊙				•	⊙							△		
MMAUS-79	16-17m	⊙				•	⊙							△		
MMAUS-79	18-19m	⊙				•	⊙							△		
MMAUS-79	20-21m	⊙				•	⊙							△		
MMAUS-83	0-1m	⊙		△	•	△	△									
MMAUS-83	2-3m	⊙			○	•	○	△						•		
MMAUS-83	4-5m	⊙			○	•	○	○								
MMAUS-83	6-7m	⊙			○	○	⊙	○								
MMAUS-83	8-9m	⊙			○	△	⊙	△		○				•		
MMAUS-83	10-11m	⊙			○	•	○	△		△				•		
MMAUS-83	12-13m	⊙		○		○	○	△		○				•		
MMAUS-83	14-15m	⊙		△	△	•	○	△		△				•		
MMAUS-87	0-1m	⊙		•		△	⊙							△		
MMAUS-87	2-3m	⊙				○	○			•				•		
MMAUS-87	4-5m	○				○	○				○					
MMAUS-87	6-7m	⊙	○			○	○				○					
MMAUS-87	8-9m	○	○			•	△	△		△	○			•		

Results of X-ray diffraction analysis (4/5)

		Quartz	Plagioclase	K-feldspar	Albite	Muscovite	Kaolinite	Halloysite	Chlorite	Smectite	C/S	Hornblende	Pyrite	Hematite	Epidote	
MMAUS-91	0-1m	⊙				△	⊙							△		
MMAUS-91	2-3m	⊙				○	⊙							·		
MMAUS-91	4-5m	⊙				○	⊙							·		
MMAUS-91	6-7m	⊙				○	⊙							·		
MMAUS-91	8-9m	⊙				○	⊙							·		
MMAUS-91	10-11m	⊙				○	⊙							·		
MMAUS-91	12-13m	⊙				○	⊙							·		
MMAUS-91	14-15m	⊙				○	⊙							·		
MMAUS-91	16-17m	⊙				○	⊙							·		
MMAUS-91	18-19m	⊙				○	⊙							·		
MMAUS-91	20-21m	⊙				△	⊙							△		
MMAUS-91	22-23m	⊙				△	⊙							△		
MMAUS-92	0-1m	⊙				·	⊙							△		
MMAUS-92	2-3m	⊙				·	⊙							△		
MMAUS-92	4-5m	⊙				·	⊙							△		
MMAUS-92	6-7m	○		△		·	⊙							·		
MMAUS-92	8-9m	○		○		△	⊙							·		
MMAUS-92	10-11m	⊙		⊙		·	⊙	△						·		
MMAUS-92	12-13m	⊙		○		·	⊙	○								
MMAUS-92	14-15m	⊙		○	·	·	⊙	△								
MMAUS-92	16-17m	⊙		⊙	⊙		○	△		△		·				
MMAUS-92	18-19m	⊙		○	⊙		△	△		△		△	·			
MMAUS-95	0-1m	⊙				·	○							△		
MMAUS-95	2-3m	⊙				·	⊙							△		
MMAUS-95	4-5m	⊙				·	⊙							△		
MMAUS-95	6-7m	⊙				·	⊙							△		
MMAUS-95	8-9m	⊙				·	⊙							△		
MMAUS-95	10-11m	⊙				△	⊙							△		
MMAUS-95	12-13m	⊙				△	⊙							△		
MMAUS-95	14-15m	⊙		△		·	⊙	△						△		
MMAUS-95	16-17m	⊙				△	⊙	○		○				·		
MMAUS-97	0-1m	⊙				·	○							△		
MMAUS-97	2-3m	⊙				·	⊙							△		
MMAUS-97	4-5m	⊙				·	⊙							△		
MMAUS-97	6-7m	⊙				·	⊙							△		
MMAUS-97	8-9m	⊙				·	⊙	△						△		
MMAUS-97	10-11m	⊙				·	⊙	○		○				·		
MMAUS-97	12-13m	⊙				·	⊙	○		○				·		
MMAUS-97	14-15m	⊙		△		·	⊙	○		○				·		
MMAUS-97	16-17m	⊙		△	△	·	⊙	△		⊙						
MMAUS-97	18-19m	⊙		△	△	△	○	·		⊙						
MMAUS-99	0-1m	⊙		△		·	⊙							△		
MMAUS-99	2-3m	○		△	△	·	⊙	△		△				·		
MMAUS-99	4-5m	○		○	○	·	⊙	○		○						
MMAUS-99	6-7m	○		○	⊙	·	○	○		○						
MMAUS-99	8-9m	○		△	⊙	·	○	○		○						
MMAUS-99	10-11m	△		○		·	△	△		⊙	·		·			
MMAUS-99	12-13m	△		△	○	·	△	○		⊙			·			
MMAUS-99	14-15m	△		○	·		△			⊙	·	△	△			
MMAUS-99	16-17m	△		△	○		△	△		⊙	△	△	△			
MMAUS-99	18-19m	△		△	⊙		△	△		⊙	○	○	△			
MMAUS-102	0-1m	⊙				·	⊙							○		△Gibbsite
MMAUS-102	2-3m	○				·	⊙							△		
MMAUS-102	4-5m	⊙				·	⊙							△		
MMAUS-102	6-7m	⊙				·	⊙	·						△		
MMAUS-102	8-9m	⊙				·	⊙	○						·		
MMAUS-102	10-11m	⊙				△	⊙	○						·		
MMAUS-102	12-13m	⊙			⊙	△	○	⊙								
MMAUS-102	14-15m	⊙			○	·	○	⊙						△		

Results of X-ray diffraction analysis (5/5)

		Quartz	Plageoclase	K-feldspar	Albite	Muscovite	Kaolinite	Halloysite	Chlorite	Smectite	C/S	Hornblende	Pyrite	Hematite	Epidote	
MMAUS-105	0-1m	○				△	◎							○		
MMAUS-105	2-3m	◎				○	◎							△		
MMAUS-105	4-5m	◎				○	◎							△		
MMAUS-105	6-7m	◎				○	◎							△		
MMAUS-105	8-9m	◎				○	◎							△		
MMAUS-105	10-11m	◎				·	◎							△		
MMAUS-105	12-13m	◎				△	◎							△		
MMAUS-105	14-15m	◎				·	◎							△		
MMAUS-105	16-17m	○				·	◎							△		
MMAUS-105	18-19m	○				△	◎							△		

Ap.16 List of Au anomalies in the Baoule-Banifing Area

List of Au anomalies (over 100ppb) in the Baoule-Banifing Area

1/7

Ser.No.	Site	Easting, m	Northing, m	Au (ppb)	Au, stdev	As (ppm)	As, stdev	Excess Au	PC1 Score	Anomaly
1	Batouba	692,200	1,347,500	267	2.8	<5	-0.6	-	-1.21	Au
2	Batouba	695,000	1,347,500	137	2.3	<5	-0.6	-	-3.94	Au
3	Batouba	694,700	1,347,250	175	2.4	5	0.1	-	-1.85	Au
4	Batouba	691,600	1,347,000	191	2.5	<5	-0.6	-	-3.73	Au
5	Batouba	694,700	1,347,000	177	2.5	26	1.8	0.40	-1.02	Au+As
6	Batouba	695,300	1,347,000	143	2.3	15	1.3	0.16	-1.07	Au+As
7	Batouba	693,400	1,346,750	136	2.2	5	0.1	-	-0.24	Au
8	Batouba	694,100	1,346,750	140	2.3	5	0.1	-	-2.85	Au
9	Batouba	694,400	1,346,750	156	2.4	10	0.8	0.33	-3.70	Au+As
10	Batouba	694,600	1,346,500	274	2.8	18	1.4	0.38	-2.14	Au+As
11	Batouba	694,300	1,346,000	1,199	4.0	23	1.7	0.36	-1.13	Au+As
12	Batouba	694,200	1,345,750	1,130	3.9	22	1.7	0.26	-0.49	Au+As
13	Batouba	695,100	1,345,750	1,261	4.0	8	0.6	0.31	-4.25	Au+As
14	Batouba	695,400	1,345,750	746	3.6	9	0.7	0.31	-3.89	Au+As
15	Batouba	696,100	1,345,750	366	3.0	<5	-0.6	-	-3.14	Au
16	Batouba	693,300	1,345,500	115	2.1	<5	-0.6	-	-1.90	Au
17	Batouba	693,300	1,345,000	141	2.3	5	0.1	-	1.17	Au
18	Batouba	693,800	1,345,000	510	3.3	<5	-0.6	-	-1.08	Au
19	Batouba	694,500	1,345,000	228	2.7	7	0.5	0.00	-2.36	Au+As
20	Batouba	695,500	1,345,000	235	2.7	<5	-0.6	-	-2.67	Au
21	Batouba	691,500	1,344,750	102	2.0	<5	-0.6	-	0.14	Au
22	Batouba	692,600	1,344,750	110	2.1	5	0.1	-	0.75	Au
23	Batouba	695,100	1,344,750	278	2.8	15	1.3	-	0.31	Au
24	Batouba	695,200	1,344,750	113	2.1	210	4.0	0.47	5.40	Au+As
25	Batouba	693,500	1,344,500	321	2.9	10	0.8	-	-0.92	Au
26	Batouba	693,400	1,344,250	110	2.1	5	0.1	-	-1.03	Au
27	Batouba	695,300	1,344,250	146	2.3	5	0.1	-	-2.73	Au
28	Batouba	692,700	1,344,000	596	3.4	5	0.1	-	0.54	Au
29	Batouba	693,600	1,344,000	301	2.9	5	0.1	-	-0.58	Au
30	Batouba	694,000	1,344,000	367	3.0	<5	-0.6	-	-1.88	Au
31	Batouba	692,200	1,343,500	175	2.4	10	0.8	-	0.79	Au
32	Batouba	693,600	1,343,500	137	2.3	40	2.3	0.29	1.27	Au+As
33	Batouba	693,900	1,343,500	188	2.5	<5	-0.6	-	0.28	Au
34	Batouba	694,300	1,343,500	108	2.1	10	0.8	-	-0.36	Au
35	Batouba	694,500	1,343,500	239	2.7	5	0.1	-	-1.16	Au
36	Batouba	694,200	1,343,250	317	2.9	25	1.8	0.25	-0.04	Au+As
37	Batouba	692,900	1,343,000	125	2.2	<5	-0.6	-	0.34	Au
38	Batouba	695,100	1,342,500	185	2.5	395	4.7	0.89	4.31	Au+As
39	Batouba	695,900	1,342,500	175	2.4	15	1.3	-	2.04	Au
40	Batouba	695,100	1,341,750	163	2.4	<5	-0.6	-	0.63	Au
41	Batouba	692,900	1,341,500	143	2.3	10	0.8	-	0.19	Au
42	Batouba	693,100	1,341,250	353	3.0	5	0.1	-	0.89	Au
43	Batouba	693,900	1,341,250	137	2.3	<5	-0.6	-	-2.02	Au
44	Batouba	696,300	1,341,000	139	2.3	<5	-0.6	-	-1.66	Au
45	Batouba	693,400	1,340,750	105	2.0	10	0.8	-	2.22	Au
46	Batouba	693,000	1,340,000	251	2.7	25	1.8	-	4.88	Au
47	Diamou	689,300	1,335,750	140	2.3	<5	-0.6	-	-2.21	Au
48	Diamou	692,400	1,335,750	245	2.7	<5	-0.6	-	-1.57	Au
49	Diamou	688,700	1,335,500	118	2.1	<5	-0.6	-	0.18	Au
50	Diamou	691,100	1,335,250	356	3.0	<5	-0.6	-	0.82	Au
51	Diamou	691,200	1,335,250	690	3.5	<5	-0.6	-	-0.37	Au
52	Diamou	691,300	1,335,250	149	2.3	<5	-0.6	-	-0.17	Au
53	Diamou	692,400	1,335,250	137	2.3	<5	-0.6	-	-2.65	Au
54	Diamou	692,500	1,335,250	171	2.4	<5	-0.6	-	-1.86	Au
55	Diamou	694,000	1,335,250	191	2.5	<5	-0.6	-	-0.64	Au
56	Diamou	694,300	1,335,250	364	3.0	<5	-0.6	-	-2.16	Au
57	Diamou	696,300	1,335,250	100	2.0	24	1.7	-	4.62	Au

List of Au anomalies (over 100ppb) in the Baoule-Banifing Area

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Ser.No.	Site	Easting, m	Northing, m	Au (ppb)	Au, stdev	As (ppm)	As, stdev	Excess Au	PC1 Score	Anomaly
58	Diamou	697,300	1,335,250	677	3.5	<5	-0.6	-	2.76	Au
59	Diamou	691,200	1,335,000	163	2.4	<5	-0.6	-	1.80	Au
60	Diamou	691,700	1,335,000	136	2.2	<5	-0.6	-	-0.19	Au
61	Diamou	692,300	1,335,000	358	3.0	<5	-0.6	-	0.57	Au
62	Diamou	692,400	1,335,000	130	2.2	<5	-0.6	-	0.50	Au
63	Diamou	692,800	1,335,000	226	2.7	17	1.4	-	4.00	Au
64	Diamou	693,100	1,335,000	171	2.4	<5	-0.6	-	-0.64	Au
65	Diamou	688,200	1,334,750	139	2.3	<5	-0.6	-	1.59	Au
66	Diamou	692,000	1,334,750	207	2.6	<5	-0.6	-	-1.32	Au
67	Diamou	692,400	1,334,750	291	2.9	<5	-0.6	-	-0.10	Au
68	Diamou	693,100	1,334,750	134	2.2	<5	-0.6	-	-3.55	Au
69	Diamou	693,300	1,334,750	120	2.1	<5	-0.6	-	-1.47	Au
70	Diamou	694,200	1,334,750	133	2.2	<5	-0.6	-	-2.26	Au
71	Diamou	689,400	1,334,500	356	3.0	<5	-0.6	-	-0.73	Au
72	Diamou	691,700	1,334,500	532	3.3	<5	-0.6	-	0.26	Au
73	Diamou	692,200	1,334,500	234	2.7	<5	-0.6	-	1.70	Au
74	Diamou	692,400	1,334,500	365	3.0	6	0.3	-	2.65	Au
75	Diamou	692,500	1,334,500	292	2.9	<5	-0.6	-	-0.34	Au
76	Diamou	692,600	1,334,500	528	3.3	<5	-0.6	-	-1.29	Au
77	Diamou	692,800	1,334,500	148	2.3	<5	-0.6	-	-3.38	Au
78	Diamou	692,900	1,334,500	240	2.7	<5	-0.6	-	-0.86	Au
79	Diamou	693,000	1,334,500	330	3.0	<5	-0.6	-	-0.84	Au
80	Diamou	693,400	1,334,500	139	2.3	<5	-0.6	-	1.38	Au
81	Diamou	692,000	1,334,250	523	3.3	<5	-0.6	-	0.60	Au
82	Diamou	694,500	1,334,250	102	2.0	<5	-0.6	-	0.96	Au
83	Diamou	691,800	1,334,000	136	2.2	<5	-0.6	-	-1.87	Au
84	Diamou	693,500	1,334,000	285	2.8	<5	-0.6	-	0.47	Au
85	Diamou	693,800	1,334,000	113	2.1	<5	-0.6	-	-0.07	Au
86	Diamou	691,900	1,333,750	134	2.2	16	1.3	-	1.70	Au
87	Diamou	693,300	1,333,750	207	2.6	5	0.1	-	-0.51	Au
88	Diamou	693,800	1,333,750	1,013	3.8	11	0.9	-	0.58	Au
89	Diamou	696,100	1,333,750	542	3.3	<5	-0.6	-	0.58	Au
90	Diamou	692,500	1,333,500	191	2.5	<5	-0.6	-	-0.70	Au
91	Diamou	693,200	1,333,500	1,970	4.4	<5	-0.6	-	-0.66	Au
92	Diamou	693,400	1,333,500	754	3.6	<5	-0.6	-	-0.17	Au
93	Diamou	693,500	1,333,500	221	2.6	<5	-0.6	-	-1.37	Au
94	Diamou	693,700	1,333,500	301	2.9	<5	-0.6	-	-0.79	Au
95	Diamou	694,000	1,333,500	198	2.5	30	2.0	-	3.02	Au
96	Diamou	696,300	1,333,500	118	2.1	<5	-0.6	-	0.73	Au
97	Diamou	689,000	1,333,250	475	3.2	<5	-0.6	-	1.79	Au
98	Diamou	692,900	1,333,250	298	2.9	<5	-0.6	-	0.15	Au
99	Diamou	693,500	1,333,250	158	2.4	<5	-0.6	-	-0.63	Au
100	Diamou	693,600	1,333,250	172	2.4	<5	-0.6	-	-0.81	Au
101	Diamou	693,700	1,333,250	311	2.9	<5	-0.6	-	-1.22	Au
102	Diamou	693,800	1,333,250	192	2.5	<5	-0.6	-	-1.22	Au
103	Diamou	693,900	1,333,250	102	2.0	<5	-0.6	-	0.53	Au
104	Diamou	694,200	1,333,250	167	2.4	<5	-0.6	-	-1.66	Au
105	Diamou	694,300	1,333,250	149	2.3	<5	-0.6	-	-0.36	Au
106	Diamou	695,200	1,333,250	192	2.5	<5	-0.6	-	2.38	Au
107	Diamou	695,600	1,333,250	278	2.8	<5	-0.6	-	1.13	Au
108	Diamou	696,000	1,333,250	128	2.2	<5	-0.6	-	-0.24	Au
109	Diamou	697,100	1,333,250	227	2.7	13	1.1	0.07	-0.84	Au+As
110	Diamou	688,400	1,333,000	145	2.3	13	1.1	-	0.81	Au
111	Diamou	688,600	1,333,000	130	2.2	76	3.0	0.47	2.03	Au+As
112	Diamou	689,700	1,333,000	1,402	4.1	<5	-0.6	-	-0.31	Au
113	Diamou	689,900	1,333,000	24,700	6.4	<5	-0.6	-	0.51	Au
114	Diamou	690,000	1,333,000	217	2.6	63	2.8	0.33	2.45	Au+As

List of Au anomalies (over 100ppb) in the Baoule-Banifing Area

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Ser.No.	Site	Easting, m	Northing, m	Au (ppb)	Au, stdev	As (ppm)	As, stdev	Excess Au	PC1 Score	Anomaly
115	Diamou	691,000	1,333,000	181	2.5	<5	-0.6	-	-0.34	Au
116	Diamou	693,100	1,333,000	1,141	3.9	7	0.5	-	-0.55	Au
117	Diamou	693,600	1,333,000	108	2.1	<5	-0.6	-	-0.24	Au
118	Diamou	693,700	1,333,000	182	2.5	<5	-0.6	-	-0.18	Au
119	Diamou	693,800	1,333,000	393	3.1	<5	-0.6	-	-0.58	Au
120	Diamou	694,100	1,333,000	601	3.4	<5	-0.6	-	-0.33	Au
121	Diamou	694,200	1,333,000	171	2.4	<5	-0.6	-	-1.31	Au
122	Diamou	694,300	1,333,000	170	2.4	<5	-0.6	-	-0.44	Au
123	Diamou	694,600	1,333,000	219	2.6	<5	-0.6	-	-1.12	Au
124	Diamou	696,100	1,333,000	907	3.8	<5	-0.6	-	-1.68	Au
125	Diamou	688,500	1,332,750	253	2.7	11	0.9	-	1.42	Au
126	Diamou	688,700	1,332,750	378	3.1	<5	-0.6	-	-1.76	Au
127	Diamou	689,300	1,332,750	152	2.3	<5	-0.6	-	0.00	Au
128	Diamou	692,900	1,332,750	204	2.6	<5	-0.6	-	-3.80	Au
129	Diamou	693,800	1,332,750	287	2.8	8	0.6	-	2.41	Au
130	Diamou	693,900	1,332,750	397	3.1	<5	-0.6	-	0.21	Au
131	Diamou	694,000	1,332,750	136	2.2	<5	-0.6	-	-1.47	Au
132	Diamou	694,100	1,332,750	157	2.4	<5	-0.6	-	-2.53	Au
133	Diamou	694,200	1,332,750	127	2.2	<5	-0.6	-	-2.56	Au
134	Diamou	694,500	1,332,750	457	3.2	<5	-0.6	-	-1.62	Au
135	Diamou	688,100	1,332,500	386	3.1	<5	-0.6	-	1.07	Au
136	Diamou	688,400	1,332,500	100	2.0	<5	-0.6	-	0.15	Au
137	Diamou	688,500	1,332,500	156	2.4	<5	-0.6	-	0.45	Au
138	Diamou	688,600	1,332,500	134	2.2	<5	-0.6	-	-1.45	Au
139	Diamou	688,800	1,332,500	209	2.6	<5	-0.6	-	-1.79	Au
140	Diamou	689,100	1,332,500	316	2.9	<5	-0.6	-	-2.22	Au
141	Diamou	689,200	1,332,500	102	2.0	<5	-0.6	-	-2.43	Au
142	Diamou	693,800	1,332,500	721	3.6	25	1.8	-	4.98	Au
143	Diamou	694,000	1,332,500	147	2.3	<5	-0.6	-	0.22	Au
144	Diamou	694,200	1,332,500	426	3.2	<5	-0.6	-	-0.37	Au
145	Diamou	694,500	1,332,500	269	2.8	8	0.6	-	0.43	Au
146	Diamou	694,700	1,332,250	114	2.1	<5	-0.6	-	-1.30	Au
147	Diamou	694,800	1,332,250	309	2.9	<5	-0.6	-	-2.33	Au
148	Diamou	697,200	1,332,250	338	3.0	<5	-0.6	-	-2.26	Au
149	Diamou	689,500	1,332,000	367	3.0	<5	-0.6	-	0.47	Au
150	Diamou	694,200	1,332,000	196	2.5	<5	-0.6	-	-0.59	Au
151	Diamou	689,600	1,331,750	166	2.4	<5	-0.6	-	-1.00	Au
152	Diamou	692,000	1,331,750	129	2.2	<5	-0.6	-	-2.16	Au
153	Diamou	694,300	1,331,750	261	2.8	<5	-0.6	-	-1.16	Au
154	Diamou	694,700	1,331,750	148	2.3	<5	-0.6	-	-0.55	Au
155	Diamou	694,900	1,331,500	172	2.4	<5	-0.6	-	0.45	Au
156	Diamou	688,000	1,331,250	424	3.2	15	1.3	-	2.91	Au
157	Diamou	692,000	1,331,250	129	2.2	<5	-0.6	-	-1.20	Au
158	Diamou	692,100	1,331,250	426	3.2	<5	-0.6	-	-0.80	Au
159	Diamou	692,600	1,331,250	134	2.2	<5	-0.6	-	0.72	Au
160	Diamou	696,300	1,331,250	198	2.5	20	1.6	0.14	-0.03	Au+As
161	Diamou	688,300	1,331,000	773	3.6	<5	-0.6	-	-2.81	Au
162	Diamou	689,000	1,331,000	155	2.4	<5	-0.6	-	-3.42	Au
163	Diamou	692,900	1,331,000	370	3.0	<5	-0.6	-	2.86	Au
164	Djime	678,300	1,346,750	196	2.5	35	2.1	-	3.13	Au
165	Djime	678,400	1,346,750	116	2.1	6	0.2	-	1.00	Au
166	Djime	678,600	1,345,750	306	2.9	9	0.7	-	2.42	Au
167	Kalako	699,200	1,344,000	645	3.5	<5	-0.6	-	0.49	Au
168	Kalako	700,100	1,343,500	102	2.0	9	0.7	-	-0.47	Au
169	Kalako	700,200	1,343,500	158	2.4	9	0.7	-	-1.12	Au
170	Kalako	700,700	1,343,000	206	2.6	10	0.8	0.12	-2.10	Au+As
171	Kalako	701,100	1,342,750	136	2.2	15	1.3	-	0.31	Au

List of Au anomalies (over 100ppb) in the Baoule-Banifing Area

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Ser.No.	Site	Easting, m	Northing, m	Au (ppb)	Au, stdev	As (ppm)	As, stdev	Excess Au	PC1 Score	Anomaly
172	Kalako	701,500	1,342,750	172	2.4	<5	-0.6	-	-1.31	Au
173	Kalako	700,000	1,342,500	309	2.9	7	0.5	-	-2.18	Au
174	Kalako	700,100	1,342,500	100	2.0	<5	-0.6	-	-1.33	Au
175	Kalako	700,200	1,342,500	593	3.4	<5	-0.6	-	-1.34	Au
176	Kalako	701,300	1,342,500	171	2.4	<5	-0.6	-	-2.06	Au
177	Kalako	701,800	1,342,500	146	2.3	<5	-0.6	-	-1.82	Au
178	Kalako	700,300	1,342,250	127	2.2	<5	-0.6	-	-4.22	Au
179	Kalako	701,400	1,342,250	395	3.1	8	0.6	-	-0.47	Au
180	Kalako	698,900	1,342,000	106	2.0	<5	-0.6	-	-2.92	Au
181	Kalako	701,700	1,342,000	1,003	3.8	<5	-0.6	-	-2.99	Au
182	Kalako	701,900	1,342,000	120	2.1	<5	-0.6	-	-3.71	Au
183	Kalako	698,800	1,341,250	101	2.0	8	0.6	0.03	-2.09	Au+As
184	Kalako	698,900	1,341,250	257	2.8	13	1.1	0.15	-1.46	Au+As
185	Kalako	699,000	1,341,250	164	2.4	37	2.2	0.32	0.75	Au+As
186	Kouloukoro	688,382	1,341,236	156	2.4	13	1.1	0.01	-0.34	Au+As
187	Kouloukoro	687,984	1,341,235	487	3.3	36	2.2	0.06	2.68	Au+As
188	Kouloukoro	686,494	1,341,231	269	2.8	<5	-0.6	-	-0.44	Au
189	Kouloukoro	687,874	1,340,982	801	3.7	<5	-0.6	-	1.03	Au
190	Kouloukoro	688,926	1,340,677	101	2.0	<5	-0.6	-	-1.89	Au
191	Kouloukoro	688,315	1,340,647	186	2.5	10	0.8	0.01	-1.21	Au+As
192	Kouloukoro	687,296	1,340,596	881	3.7	<5	-0.6	-	-0.37	Au
193	Kouloukoro	687,624	1,340,437	143	2.3	<5	-0.6	-	-1.84	Au
194	Kouloukoro	687,523	1,340,435	1,012	3.8	<5	-0.6	-	-2.34	Au
195	Kouloukoro	686,211	1,340,411	130	2.2	<5	-0.6	-	-2.02	Au
196	Kouloukoro	686,009	1,340,407	523	3.3	<5	-0.6	-	-2.33	Au
197	Kouloukoro	686,919	1,340,230	205	2.6	<5	-0.6	-	-0.23	Au
198	Kouloukoro	689,239	1,339,989	508	3.3	<5	-0.6	-	-1.37	Au
199	Kouloukoro	688,112	1,339,972	307	2.9	<5	-0.6	-	-1.13	Au
200	Kouloukoro	687,600	1,339,964	244	2.7	<5	-0.6	-	-1.22	Au
201	Kouloukoro	687,190	1,339,957	333	3.0	<5	-0.6	-	-1.94	Au
202	Kouloukoro	691,202	1,339,782	114	2.1	<5	-0.6	-	-4.07	Au
203	Kouloukoro	691,964	1,339,227	293	2.9	7	0.5	-	2.19	Au
204	Kouloukoro	691,462	1,339,224	178	2.5	7	0.5	-	0.32	Au
205	Kouloukoro	691,361	1,339,223	181	2.5	13	1.1	0.01	-0.32	Au+As
206	Kouloukoro	691,060	1,339,221	105	2.0	<5	-0.6	-	-3.19	Au
207	Kouloukoro	691,450	1,338,970	228	2.7	14	1.2	0.22	-1.72	Au+As
208	Kouloukoro	690,950	1,338,963	488	3.3	25	1.8	0.03	1.65	Au+As
209	Kouloukoro	691,778	1,338,715	252	2.7	6	0.3	-	-1.30	Au
210	Kouloukoro	689,674	1,338,714	302	2.9	<5	-0.6	-	-0.28	Au
211	Kouloukoro	688,929	1,338,450	1,418	4.1	12	1.0	0.05	-0.97	Au+As
212	Kouloukoro	688,422	1,338,449	237	2.7	17	1.4	-	0.82	Au
213	Kouloukoro	691,399	1,338,271	480	3.2	11	0.9	-	-0.63	Au
214	Kouloukoro	692,501	1,338,018	167	2.4	<5	-0.6	-	0.16	Au
215	Kouloukoro	691,691	1,338,010	563	3.4	11	0.9	0.23	-2.57	Au+As
216	Kouloukoro	691,489	1,338,008	169	2.4	61	2.7	0.71	-0.57	Au+As
217	Kouloukoro	688,554	1,337,979	118	2.1	<5	-0.6	-	-0.24	Au
218	Kouloukoro	688,935	1,337,702	295	2.9	<5	-0.6	-	-1.94	Au
219	Kouloukoro	688,322	1,337,695	111	2.1	8	0.6	-	-0.11	Au
220	Kouloukoro	691,196	1,336,916	221	2.6	<5	-0.6	-	-0.79	Au
221	Kouloukoro	691,800	1,336,639	105	2.0	<5	-0.6	-	-0.47	Au
222	Kouloukoro	689,753	1,336,398	594	3.4	<5	-0.6	-	0.10	Au
223	Mala	687,700	1,358,000	1,783	4.3	5	0.1	-	0.62	Au
224	Mala	687,400	1,357,750	138	2.3	<5	-0.6	-	-0.23	Au
225	Mala	690,700	1,357,750	109	2.1	<5	-0.6	-	-0.27	Au
226	Mala	690,300	1,357,500	212	2.6	<5	-0.6	-	2.70	Au
227	Mala	688,000	1,357,250	134	2.2	<5	-0.6	-	0.42	Au
228	Mala	688,700	1,357,250	268	2.8	15	1.3	-	1.24	Au

List of Au anomalies (over 100ppb) in the Baoule-Banifing Area

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Ser.No.	Site	Easting, m	Northing, m	Au (ppb)	Au, stdev	As (ppm)	As, stdev	Excess Au	PC1 Score	Anomaly
229	Mala	690,100	1,356,750	258	2.8	<5	-0.6	-	1.05	Au
230	Mala	690,300	1,356,500	226	2.7	<5	-0.6	-	0.47	Au
231	Mala	688,900	1,356,250	181	2.5	10	0.8	-	1.29	Au
232	Mala	690,100	1,355,250	442	3.2	5	0.1	-	-1.40	Au
233	Mala	688,700	1,355,000	202	2.6	5	0.1	-	1.38	Au
234	Mala	691,400	1,354,750	103	2.0	20	1.6	-	1.74	Au
235	Mala	689,000	1,354,500	503	3.3	10	0.8	-	2.62	Au
236	Mala	689,700	1,354,500	154	2.3	10	0.8	-	1.16	Au
237	Mala	688,700	1,354,000	346	3.0	<5	-0.6	-	-0.02	Au
238	Mala	689,600	1,354,000	304	2.9	<5	-0.6	-	0.70	Au
239	Mala	689,900	1,354,000	114	2.1	<5	-0.6	-	-0.12	Au
240	Mala	690,300	1,353,750	146	2.3	<5	-0.6	-	-0.86	Au
241	Mala	689,200	1,353,500	196	2.5	<5	-0.6	-	0.20	Au
242	Mala	691,000	1,353,250	385	3.1	15	1.3	-	1.99	Au
243	Mala	691,000	1,352,750	166	2.4	<5	-0.6	-	-0.55	Au
244	Mala	691,100	1,352,750	297	2.9	<5	-0.6	-	-0.88	Au
245	Mala	691,000	1,351,750	167	2.4	<5	-0.6	-	1.39	Au
246	Mala	691,500	1,351,250	108	2.1	<5	-0.6	-	1.01	Au
247	Mala	694,000	1,350,250	209	2.6	10	0.8	-	1.78	Au
248	Mala	694,000	1,349,250	282	2.8	<5	-0.6	-	-3.50	Au
249	Mala	694,700	1,349,250	209	2.6	15	1.3	-	0.71	Au
250	Mala	693,100	1,349,000	100	2.0	<5	-0.6	-	-1.53	Au
251	Mala	694,600	1,349,000	115	2.1	5	0.1	-	-1.31	Au
252	Mala	694,800	1,349,000	118	2.1	5	0.1	-	-0.42	Au
253	Mala	692,800	1,348,750	202	2.6	<5	-0.6	-	-1.20	Au
254	Mala	693,200	1,348,750	240	2.7	<5	-0.6	-	-3.03	Au
255	Mala	694,600	1,348,750	148	2.3	35	2.1	0.28	0.90	Au+As
256	Mala	692,200	1,348,500	291	2.9	<5	-0.6	-	-1.90	Au
257	Mala	692,100	1,348,000	950	3.8	10	0.8	-	1.68	Au
258	Mala	692,700	1,348,000	911	3.8	220	4.1	0.66	4.06	Au+As
259	Mala	693,900	1,348,000	225	2.6	20	1.6	0.17	-0.12	Au+As
260	Mala	693,100	1,347,750	122	2.2	5	0.1	-	-1.91	Au
261	Mala	693,900	1,347,750	158	2.4	20	1.6	0.26	-0.86	Au+As
262	Mala	694,000	1,347,750	423	3.1	10	0.8	0.14	-2.24	Au+As
263	Semiko	699,700	1,341,000	164	2.4	222	4.1	0.85	2.67	Au+As
264	Semiko	701,500	1,341,000	288	2.8	137	3.6	0.64	2.55	Au+As
265	Semiko	699,100	1,340,750	431	3.2	19	1.5	-	1.89	Au
266	Semiko	701,300	1,339,750	105	2.0	28	1.9	-	2.54	Au
267	Semiko	701,400	1,339,750	268	2.8	16	1.3	-	1.61	Au
268	Semiko	701,200	1,339,250	242	2.7	4	-0.1	-	0.24	Au
269	Semiko	702,300	1,338,750	129	2.2	15	1.2	-	1.44	Au
270	Semiko	703,500	1,338,250	332	3.0	3	-0.6	-	0.91	Au
271	Semiko	701,900	1,337,750	262	2.8	16	1.3	-	2.77	Au
272	Sirakoro	698,800	1,344,250	131	2.2	6	0.3	-	3.23	Au
273	Sirakoro	696,800	1,343,750	124	2.2	15	1.3	-	1.95	Au
274	Sirakoro	697,100	1,343,750	185	2.5	16	1.3	0.01	0.34	Au+As
275	Sirakoro	697,200	1,343,750	122	2.2	12	1.1	-	1.36	Au
276	Sirakoro	697,300	1,343,750	493	3.3	121	3.4	0.64	2.25	Au+As
277	Siriba-Sobala	681,600	1,351,000	161	2.4	<5	-0.6	-	-3.13	Au
278	Siriba-Sobala	682,500	1,350,750	180	2.5	72	2.9	0.75	-0.35	Au+As
279	Siriba-Sobala	683,200	1,350,500	129	2.2	194	3.9	1.25	-0.87	Au+As
280	Siriba-Sobala	683,400	1,350,500	103	2.0	426	4.8	1.35	1.02	Au+As
281	Siriba-Sobala	681,400	1,350,250	354	3.0	<5	-0.6	-	-3.84	Au
282	Siriba-Sobala	682,900	1,350,250	232	2.7	83	3.1	1.07	-2.30	Au+As
283	Siriba-Sobala	682,000	1,350,000	103	2.0	6	0.3	-	-1.53	Au
284	Siriba-Sobala	680,900	1,349,750	164	2.4	<5	-0.6	-	-0.40	Au
285	Siriba-Sobala	681,100	1,349,750	397	3.1	<5	-0.6	-	-0.27	Au

List of Au anomalies (over 100ppb) in the Baoule-Banifing Area

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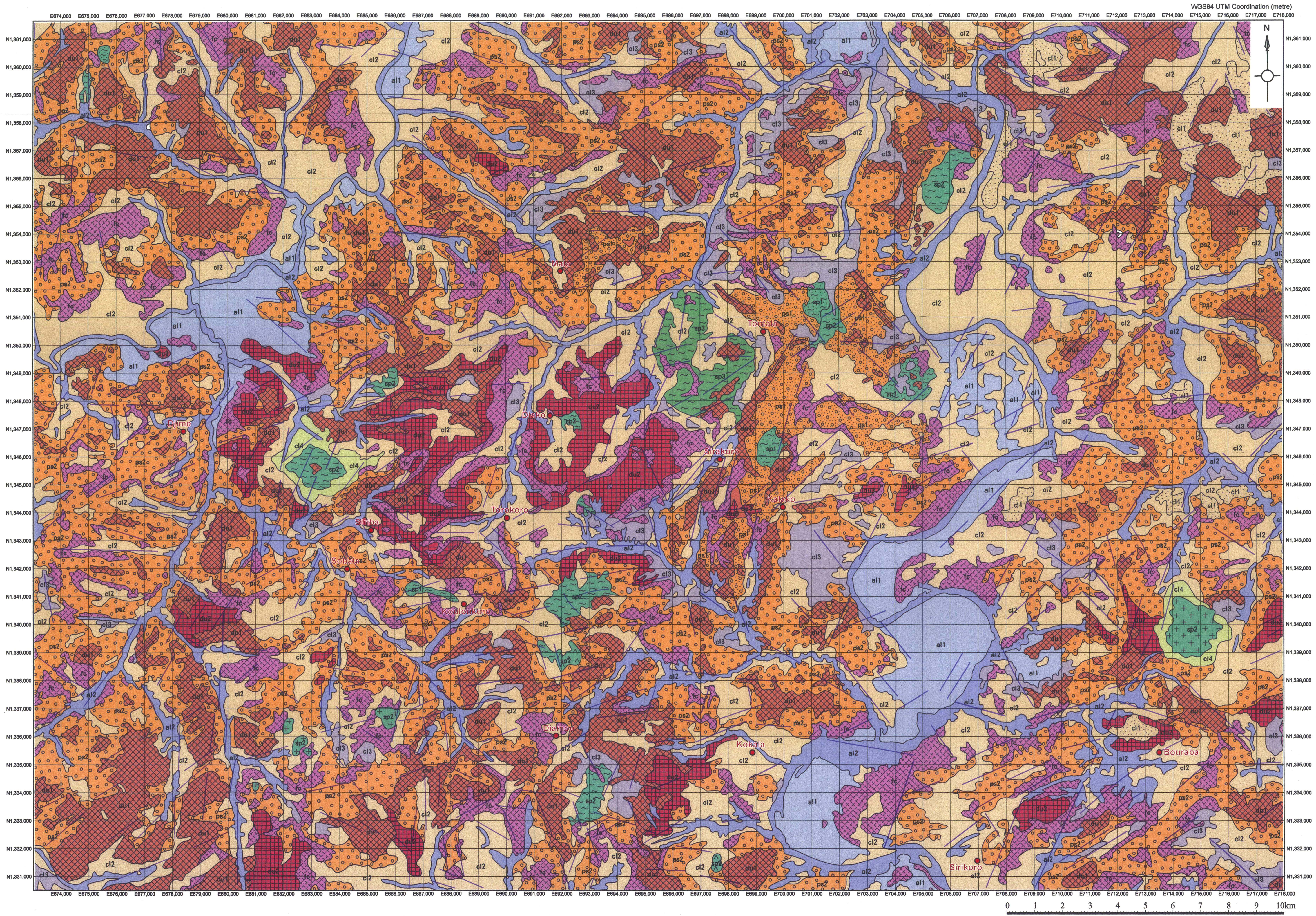
Ser.No.	Site	Easting, m	Northing, m	Au (ppb)	Au, stdev	As (ppm)	As, stdev	Excess Au	PC1 Score	Anomaly
286	Siriba-Sobala	683,500	1,349,750	582	3.4	<5	-0.6	-	-0.79	Au
287	Siriba-Sobala	681,700	1,349,500	246	2.7	16	1.3	0.04	0.14	Au+As
288	Siriba-Sobala	682,500	1,349,500	300	2.9	14	1.2	0.07	-0.56	Au+As
289	Siriba-Sobala	683,600	1,349,500	100	2.0	<5	-0.6	-	-3.51	Au
290	Siriba-Sobala	681,800	1,349,250	551	3.4	9	0.7	-	-0.69	Au
291	Siriba-Sobala	681,900	1,348,750	674	3.5	7	0.5	-	0.97	Au
292	Siriba-Sobala	680,900	1,348,250	628	3.5	11	0.9	-	-0.53	Au
293	Siriba-Sobala	681,000	1,348,250	159	2.4	43	2.4	0.42	0.52	Au+As
294	Siriba-Sobala	681,100	1,348,000	148	2.3	80	3.0	0.62	1.01	Au+As
295	Siriba-Sobala	681,200	1,348,000	439	3.2	54	2.6	0.47	0.89	Au+As
296	Siriba-Sobala	683,200	1,347,500	388	3.1	<5	-0.6	-	0.97	Au
297	Siriba-Sobala	681,900	1,347,000	212	2.6	<5	-0.6	-	0.14	Au
298	Siriba-Sobala	679,100	1,346,750	425	3.2	11	0.9	-	1.82	Au
299	Siriba-Sobala	680,000	1,346,750	340	3.0	<5	-0.6	-	-1.21	Au
300	Siriba-Sobala	681,400	1,346,750	1,910	4.3	8	0.6	-	3.08	Au
301	Siriba-Sobala	684,000	1,346,750	267	2.8	<5	-0.6	-	2.44	Au
302	Siriba-Sobala	681,800	1,346,250	124	2.2	<5	-0.6	-	-2.68	Au
303	Siriba-Sobala	680,000	1,346,000	759	3.6	<5	-0.6	-	-0.65	Au
304	Siriba-Sobala	681,500	1,346,000	302	2.9	<5	-0.6	-	-2.54	Au
305	Siriba-Sobala	682,100	1,346,000	176	2.5	<5	-0.6	-	-2.19	Au
306	Siriba-Sobala	681,200	1,345,750	273	2.8	12	1.0	0.02	-0.71	Au+As
307	Siriba-Sobala	683,300	1,345,750	126	2.2	<5	-0.6	-	4.28	Au
308	Siriba-Sobala	681,100	1,345,500	234	2.7	14	1.2	-	0.34	Au
309	Siriba-Sobala	681,700	1,345,000	334	3.0	12	1.0	-	-0.29	Au
310	Siriba-Sobala	681,500	1,344,750	660	3.5	7	0.5	-	0.31	Au
311	Siriba-Sobala	682,900	1,344,750	183	2.5	19	1.5	0.07	0.47	Au+As
312	Siriba-Sobala	683,400	1,344,750	147	2.3	8	0.6	-	-1.22	Au
313	Siriba-Sobala	679,100	1,344,500	202	2.6	<5	-0.6	-	-1.04	Au
314	Siriba-Sobala	680,500	1,344,500	140	2.3	5	0.1	-	-0.35	Au
315	Siriba-Sobala	680,600	1,344,500	145	2.3	<5	-0.6	-	-0.77	Au
316	Siriba-Sobala	682,700	1,344,500	177	2.5	<5	-0.6	-	-0.78	Au
317	Siriba-Sobala	680,300	1,344,000	218	2.6	6	0.3	-	-0.95	Au
318	Siriba-Sobala	683,400	1,344,000	173	2.4	<5	-0.6	-	-0.07	Au
319	Siriba-Sobala	681,800	1,343,750	446	3.2	<5	-0.6	-	-1.27	Au
320	Siriba-Sobala	683,300	1,343,750	341	3.0	6	0.3	-	0.65	Au
321	Siriba-Sobala	683,400	1,343,750	1,465	4.1	5	0.1	-	0.69	Au
322	Siriba-Sobala	680,000	1,343,500	203	2.6	<5	-0.6	-	0.53	Au
323	Siriba-Sobala	683,000	1,343,500	294	2.9	6	0.3	-	0.44	Au
324	Sirikoro	706,800	1,335,750	193	2.5	8	0.6	-	-0.68	Au
325	Sirikoro	709,300	1,335,750	169	2.4	13	1.1	-	2.26	Au
326	Sirikoro	709,600	1,335,750	145	2.3	11	0.9	-	0.79	Au
327	Sirikoro	709,900	1,335,750	364	3.0	<5	-0.6	-	-1.18	Au
328	Sirikoro	710,300	1,335,750	634	3.5	6	0.3	-	0.53	Au
329	Sirikoro	710,500	1,335,750	114	2.1	8	0.6	-	1.11	Au
330	Sirikoro	706,300	1,335,500	719	3.6	<5	-0.6	-	-0.79	Au
331	Sirikoro	706,900	1,335,250	323	2.9	8	0.6	-	0.84	Au
332	Sirikoro	706,600	1,335,000	151	2.3	14	1.2	-	0.31	Au
333	Sirikoro	707,000	1,335,000	175	2.4	9	0.7	-	0.74	Au
334	Sirikoro	707,200	1,335,000	153	2.3	8	0.6	-	-0.36	Au
335	Sirikoro	708,600	1,334,750	115	2.1	<5	-0.6	-	-1.21	Au
336	Sirikoro	706,500	1,334,500	270	2.8	24	1.7	0.04	1.46	Au+As
337	Sirikoro	707,000	1,334,500	147	2.3	<5	-0.6	-	-0.39	Au
338	Sirikoro	706,600	1,334,250	185	2.5	9	0.7	-	0.91	Au
339	Sirikoro	707,300	1,334,000	161	2.4	38	2.2	-	3.79	Au
340	Sirikoro	707,800	1,333,000	193	2.5	6	0.3	-	-0.65	Au
341	Sirikoro	707,600	1,332,750	139	2.3	14	1.2	-	0.65	Au
342	Sirikoro	707,900	1,332,750	119	2.1	11	0.9	-	1.69	Au

List of Au anomalies (over 100ppb) in the Baoule-Banifing Area

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Ser.No.	Site	Easting, m	Northing, m	Au (ppb)	Au, stdev	As (ppm)	As, stdev	Excess Au	PC1 Score	Anomaly
343	Sirikoro	708,100	1,332,750	100	2.0	15	1.3	-	3.38	Au
344	Sirikoro	710,600	1,332,750	129	2.2	5	0.1	-	-0.09	Au
345	Sirikoro	708,900	1,332,000	158	2.4	<5	-0.6	-	3.62	Au
346	Sirikoro	709,000	1,332,000	713	3.6	6	0.3	-	3.60	Au
347	Sirikoro	709,600	1,332,000	100	2.0	6	0.3	-	-0.71	Au
348	Sirikoro	710,200	1,332,000	123	2.2	<5	-0.6	-	0.74	Au
349	Sirikoro	710,600	1,332,000	137	2.3	29	1.9	0.08	1.76	Au+As
350	Sirikoro	707,400	1,331,750	444	3.2	13	1.1	-	0.23	Au
351	Sirikoro	707,600	1,331,750	1,008	3.8	14	1.2	-	1.13	Au
352	Sirikoro	707,800	1,331,750	101	2.0	21	1.6	-	3.05	Au
353	Sirikoro	708,300	1,331,750	185	2.5	32	2.1	-	3.44	Au
354	Sirikoro	708,400	1,331,750	677	3.5	25	1.8	-	3.17	Au
355	Sirikoro	708,500	1,331,750	183	2.5	13	1.1	-	3.48	Au
356	Sirikoro	708,600	1,331,750	292	2.9	10	0.8	-	3.24	Au
357	Sirikoro	708,900	1,331,750	163	2.4	15	1.3	-	2.17	Au
358	Sirikoro	709,100	1,331,750	176	2.5	13	1.1	-	1.04	Au
359	Sirikoro	708,600	1,331,500	141	2.3	12	1.0	-	0.73	Au
360	Sirikoro	708,700	1,331,500	310	2.9	5	0.1	-	1.57	Au
361	Sirikoro	708,900	1,331,500	529	3.3	11	0.9	-	3.88	Au
362	Sirikoro	708,600	1,331,250	206	2.6	11	0.9	-	2.00	Au
363	Sirikoro	708,200	1,331,000	230	2.7	12	1.0	-	2.41	Au
364	Sirikoro	709,700	1,330,750	140	2.3	19	1.5	-	3.09	Au
365	Sirikoro	710,300	1,330,500	116	2.1	9	0.7	-	3.57	Au
366	Sirikoro	712,800	1,330,500	158	2.4	9	0.7	-	1.48	Au
367	Sirikoro	712,900	1,330,500	105	2.0	6	0.3	-	1.75	Au
368	Sirikoro	708,100	1,330,250	412	3.1	5	0.1	-	0.84	Au
369	Sirikoro	708,700	1,330,250	106	2.0	30	2.0	-	3.86	Au
370	Sirikoro	709,700	1,330,250	116	2.1	11	0.9	-	2.46	Au
371	Sirikoro	710,200	1,330,250	445	3.2	10	0.8	-	1.75	Au
372	Sirikoro	711,100	1,330,250	134	2.2	14	1.2	-	2.67	Au
373	Sirikoro	710,800	1,330,000	384	3.1	8	0.6	-	1.29	Au
374	Sirikoro	711,900	1,330,000	109	2.1	<5	-0.6	-	0.51	Au
375	Tanfala	694,900	1,353,750	141	2.3	5	0.0	-	1.41	Au
376	Tyemala	686,100	1,342,000	700	3.5	15	1.2	-	2.39	Au
377	Tyemala	686,300	1,342,000	111	2.1	5	0.1	-	0.79	Au
378	Tyemala	685,800	1,341,750	218	2.6	3	-0.5	-	-0.50	Au
379	Tyemala	687,400	1,341,750	356	3.0	17	1.4	-	0.73	Au
380	Tyemala	688,100	1,341,750	164	2.4	19	1.5	-	1.45	Au
381	Tyemala	688,400	1,341,750	750	3.6	11	0.9	-	3.14	Au
382	Tyemala	686,300	1,341,500	115	2.1	3	-0.5	-	-0.23	Au
383	Tyemala	686,400	1,341,500	282	2.8	3	-0.4	-	0.82	Au
384	Tyemala	687,500	1,341,500	379	3.1	18	1.4	-	1.62	Au
385	Tyemala	687,200	1,341,250	102	2.0	54	2.6	0.30	2.18	Au+As

Ap.17 Assay results of soil, pit and auger samples



WGS84 UTM Coordination (metre)

Legend

Regime	Symbol	Landform	Regolith	Color (RGB=7,5,2)	Color (RGB=5/7,4/5,4/2)
Depositional	al2	River Channel	Alluvial sediments of silt and fine sand	Black	White to light green
	a11	Floodout plain	Alluvial sediments of silt and fine sand	Dark green	Lilac
	cl4	Undulating plain around a cone shaped hill (or a mountain)	Colluvial sediments, mainly gravelic soil	Purple and pink, someplace green	Light purple to purple
	cl3	Gentle slope and flat plain, partly Floodout plain	Colluvial sediments of sand and silt	Black	White
	cl2	Gentle slope at hillside, valley, colluvial fan and flat plain	Colluvial sediments of gravel, sand and silt	White to light green	Light purple to dark purple
	cl1	Gentle slope and flat plain	Colluvial sediments of gravel, sand and silt	Dark green	Magenta
	fc	Gentle slope at hillside and footslope	Ferricrete	Dark red, red, reddish purple and orange	Reddish dark brown
	du3	Backslope, plateau and hill	Ferruginous psolitic duricrust, partly ferricrete	Black	Purple to lilac
	du2	Backslope, plateau and hill	Ferruginous psolitic duricrust, partly ferricrete	Dark green, mixture of greenish blue and dark red spots	Magenta with many white spots
	du1	Backslope, plateau and hill	Ferruginous psolitic duricrust, partly ferricrete	Dark red, red, reddish purple, orange and greenish blue	Reddish dark brown
Residual, partly Depositional	ps3	Rounded hill and steep slope including breakaway	Ferruginous psolitic soil (unconsolidated duricrust, carapace)	Dark green, partly black	Purple to lilac
	ps2	Rounded hill	Ferruginous psolitic soil (unconsolidated duricrust, carapace)	Bluish dark green	Purple to lilac
	sp3	Undulating low hill with areoles and lineaments	Saprolite covered by ferruginous psolitic soil	Dark green, partly black, similar to the unit "Hps2"	Purple to lilac
	sp2	Cone shaped high hill, partly undulating low land	Fresh bedrock, partly saprolite covered by plasmic soil	bluish light purple	Light green
	sp1	Cone shaped high hill, partly undulating low land	Fresh bedrock, partly saprolite covered by plasmic soil	Greenish dark gray	Lilac to purple
▲ ▲		Dolerite and gabbro			
+ +		Granodiorite and tonalite			
~ ~		Pelitic schist and psammitic schist			

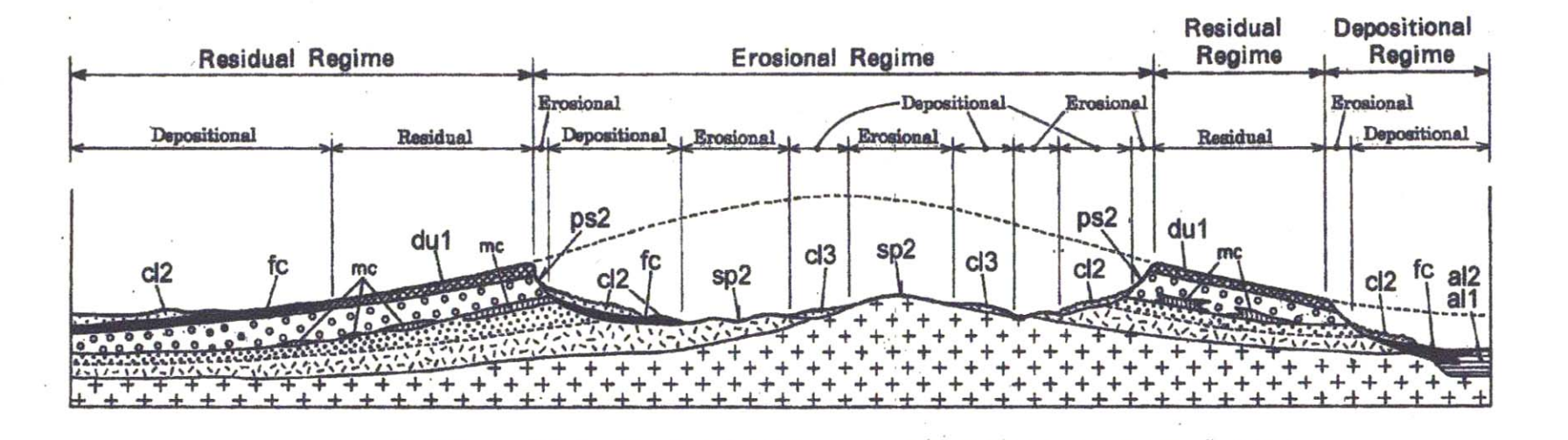
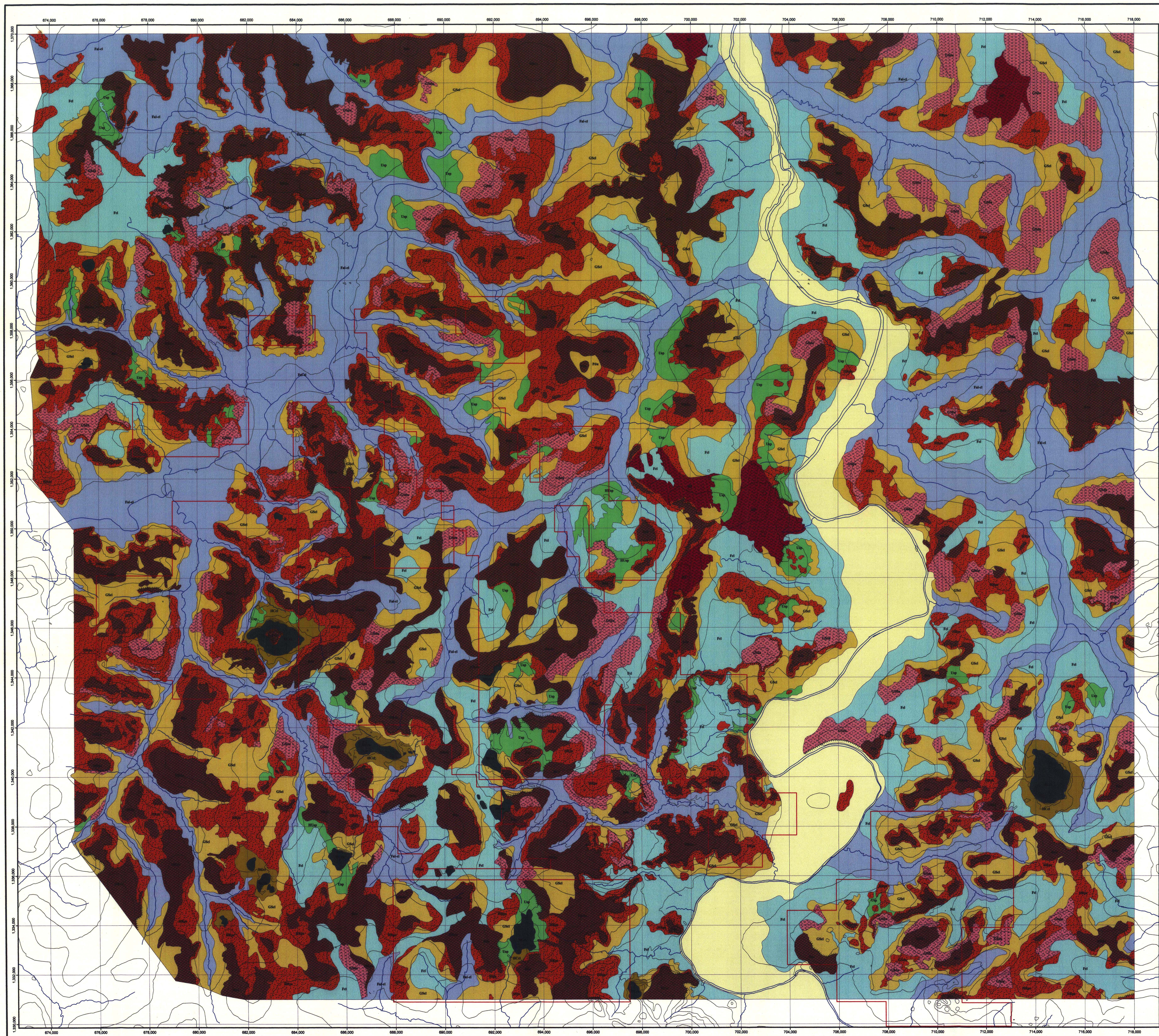
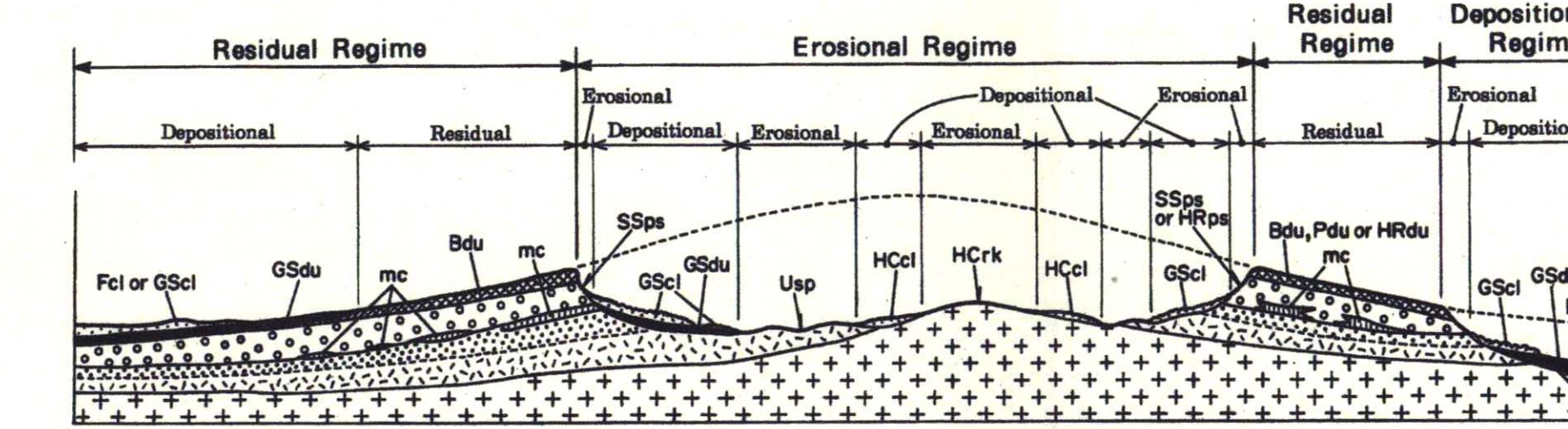


Plate 1 Regolith map based on a satellite image interpretation in the Tonfara-Bouraba Area



Legend

Regime	Symbol	Landform	Regolith	Lag	Resistance	Texture	Vegetation
Depositional	Fal	Flooding plain along the Bouraba River	Alluvial sediments of silt and fine sand	Flats of fresh rock	Very weak	Very fine	Intermediate to dense, bush
	Fal-cl	Flood plain, valley and fan	Alluvial sediments and colluvial sediments, mainly silt and fine sand	Flats of fresh rock	Very weak	Very fine to fine	Intermediate to dense, frequently firm
	Fcl	Gentle slope, fan and flat plain	Colluvial sediments and alluvial sediments, mainly silt and fine sand	Flats of fresh rock	Very weak	Intermediate	Intermediate, frequently firm
	GScl	Depositional gentle slope including pediment and colluvial fan	Colluvial sediments, mainly pisolitic sand	Pisolites	Weak	Rough	Dense
	HCcl	Undulating plain around a cone shaped high hills (or a mountain)	Colluvial sediments, mainly pisolitic soil	Many floes of bedrock	Intermediate	Intermediate	Poor
	GScl-c	Depositional gentle slope around a hill or a plateau	Ferriuginous duricrust, ferricrete	Duricrust boulders, nodules and pisolites	Intermediate	Fine	Very poor
	HRcl	Horizontal flat top on a plateau, or filltop terrace	Ferriuginous pisolitic duricrust covered by sand and silt	Minor boulders of duricrust	Strong	Rough	Rich to intermediate
	HRcl-c	Backslope	Ferriuginous pisolitic duricrust	Duricrust boulders, nodules and pisolites	Very strong	Very fine	Poor
	HRcl-c	Horizontal flat top on a mesa-shaped plateau	Ferriuginous pisolitic duricrust	Duricrust boulders, nodules and pisolites	Very strong	Very fine	Poor
	HRcl-c	Rounded hill	Ferriuginous pisolitic duricrust	Duricrust boulders, nodules and pisolites	Intermediate	Fine to intermediate	Poor
Residual and/or Erosional	HRcl-c	Rounded hill	Ferriuginous, pisolitic and nodular soil (unconsolidated duricrust, concretion)	Nodules and pisolites with minor boulders of duricrust	Intermediate	Intermediate	Dense
Erosional	SSpc	Steep slope including breakaway	Ferriuginous, pisolitic and nodular soil (unconsolidated duricrust, concretion)	Nodules, pisolites and duricrust boulders	Intermediate	Intermediate	Intermediate to poor
	Usp	Undulating low land with many streams	Sepiolite covered by plasmic soil	Flats of Sepicol	Weak	Rough	Dense
	HUsp	Undulating low hill with many water and streamlets parallel to schistosity	Sepiolite covered by ferriuginous pisolitic soil to schistosity	Flats of Sepicol	Strong	Rough	Dense
Erosional	HRcl-c	Cone shaped high hill or mountain	Bedrock (schist and gneiss)	Many floes of bedrock	Strong	Intermediate	Poor



Fal-cl: Alluvium and Colluvium on a flat plain, Fcl: Colluvium on a flat plain, GScl: Colluvium on a gentle slope (hillside), HCcl: Colluvium around a cone shaped hill, GScl-c: Ferricrete on a gentle slope, Bcl: Duricrust (mainly residual duricrust, partly ferricrete) on a backslope, Pcl: Residual duricrust on a mesa, HRcl: Residual duricrust on a rounded hill, HRcl-c: Ferriuginous pisolitic soil on a rounded hill, SSpc: Ferriuginous pisolitic soil on a steep slope (mainly breakaway), Usp: Plasmic soil and sepiolite on an undulating plain, HCcl: Exposed bedrock of a cone shaped hill

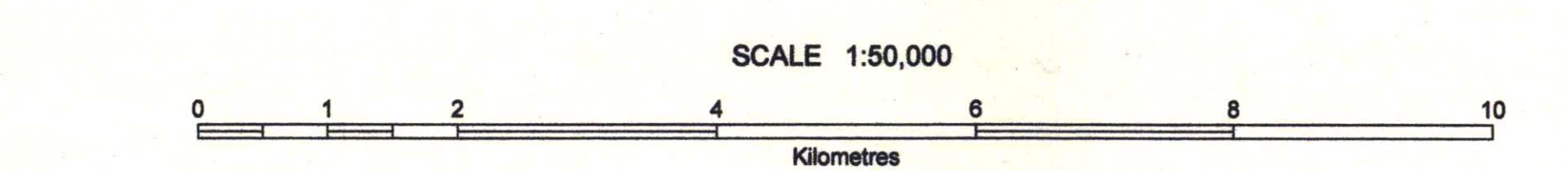


Plate 2 Regolith map based on an air-photo interpretation and a field survey in the Tonfara-Bouraba Area