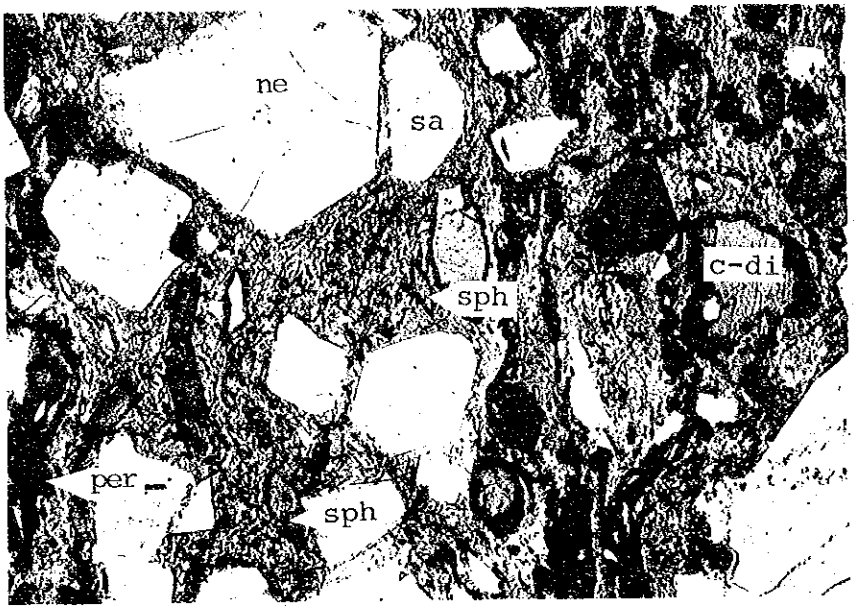
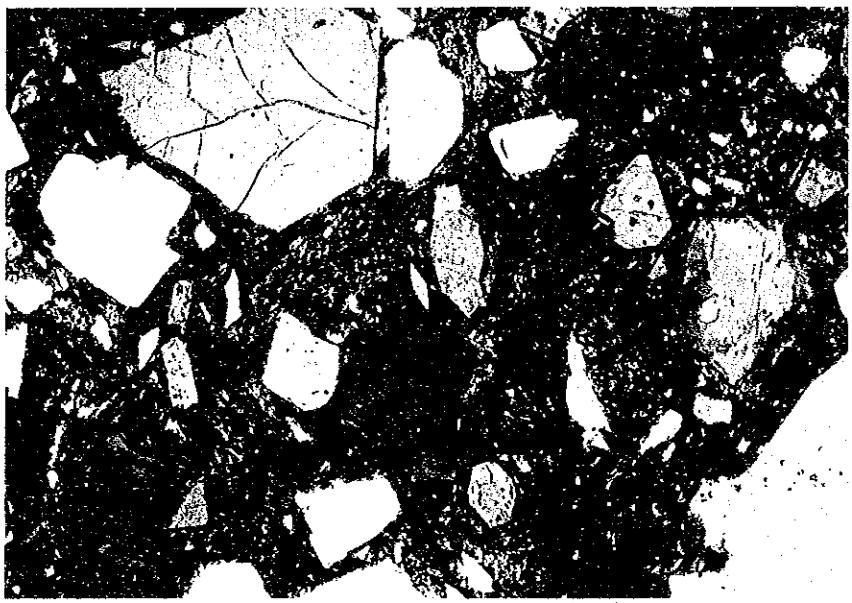


(in plane-polarized light)



(under crossed polars)

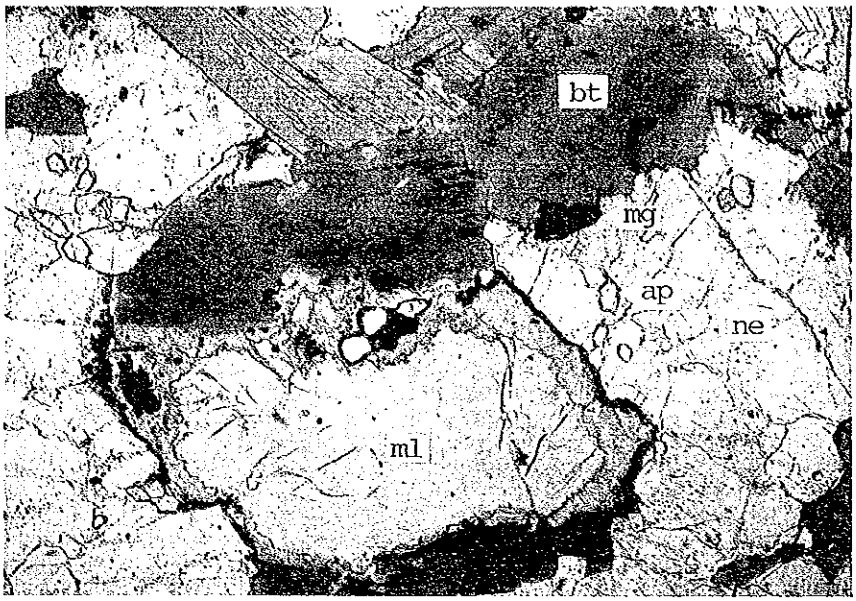
0 1mm

Abbreviation

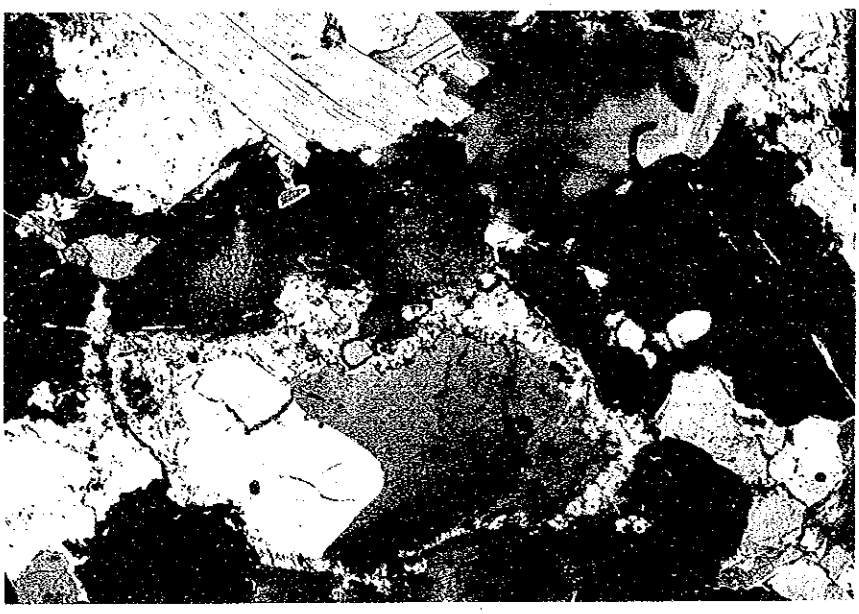
sd	:	sanidine
c-di	:	chromian diopside
ne	:	nepheline
sp	:	sphene
per	:	perovskite.

Sample No.	:	WR-122
Location	:	Waiga Hill (Madiany Area)
Rock name	:	Phonolite

APPENDIX-4 Microphotographs(Thin sections)



(in plane-polarized light)



(under crossed polars)

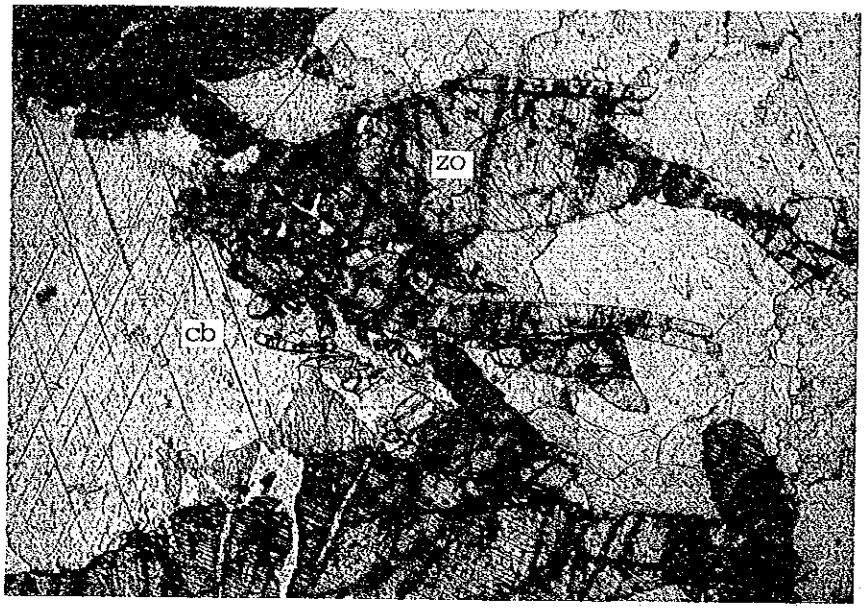
0 1mm

Abbreviation

ne : nepheline
bt : biotite
ml : melilite
ap : apatite
mg : magnetite

Sample No. : RN-54
Location : Rangwa Area
Rock name : Ijolite

APPENDIX-4 Microphotographs(Thin sections)



(in plane-polarized light)

(under crossed polars)

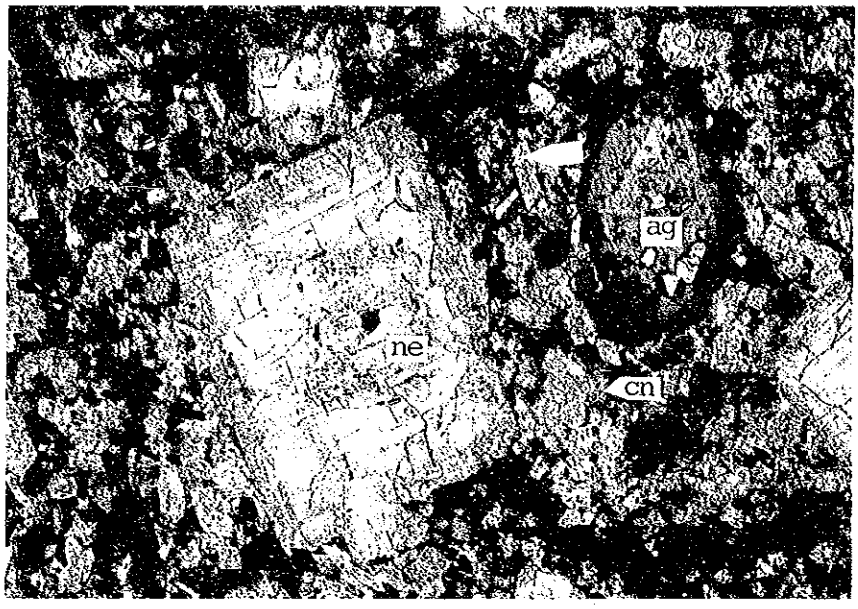
0 1mm

Abbreviation

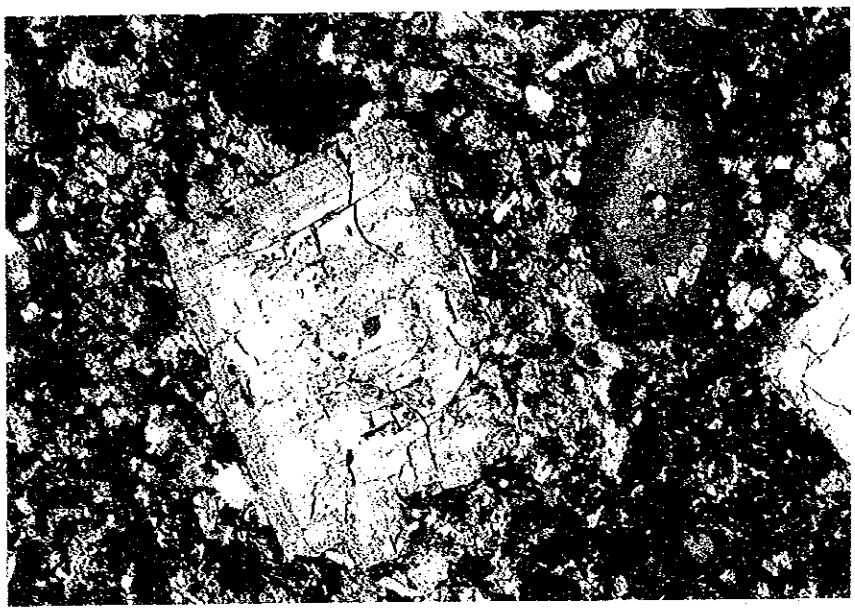
zo : zoisite
cb : carbonate mineral

Sample No. : 100152G
Location : South Ruri Area
Rock name : Carbonatite (Sövite)

APPENDIX-4 Microphotographs(Thin sections)



(in plane-polarized light)



(under crossed polars)

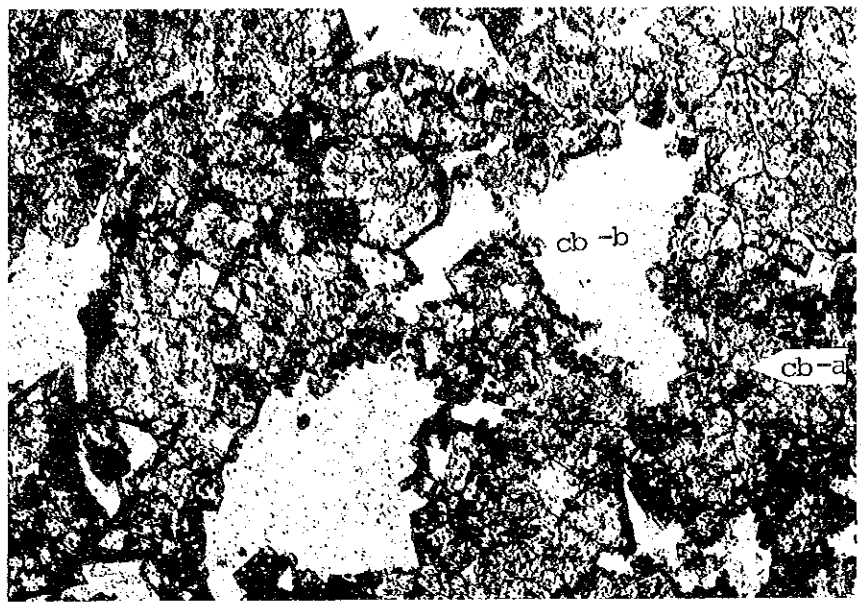
0 1mm

Abbreveviation

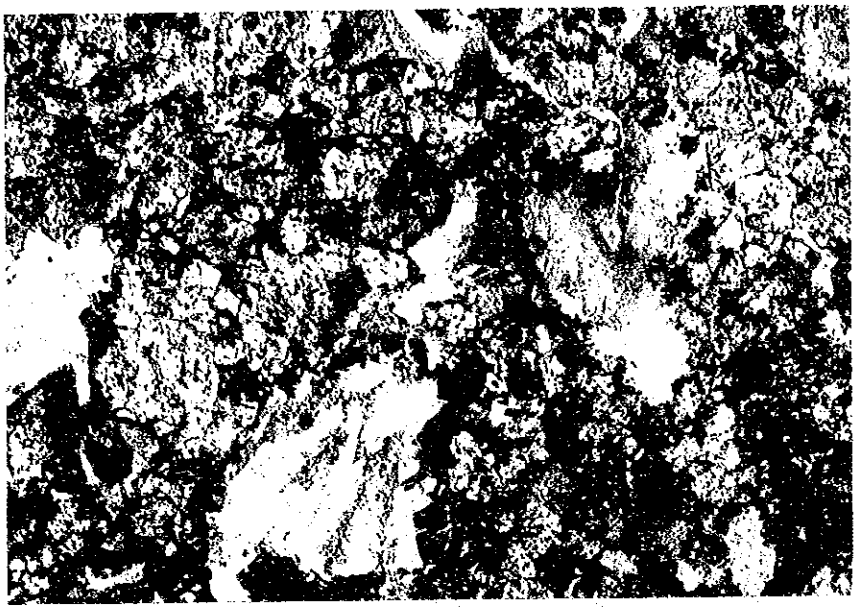
or : orthoclase
ne : nepheline
ag : aegirine
cn : cancrinite

Sample No. : 100132G
Location : North Ruri Area
Rock name : Nephelinite

APPENDIX－4 Microphotographs(Thin sections)



(in plane-polarized light)



(under crossed polars)

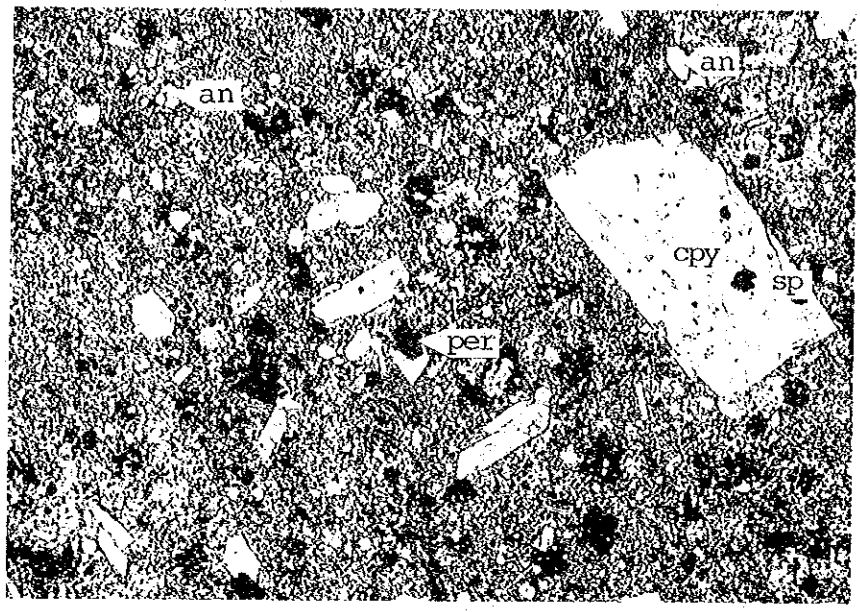
0 1mm

Abbreviation

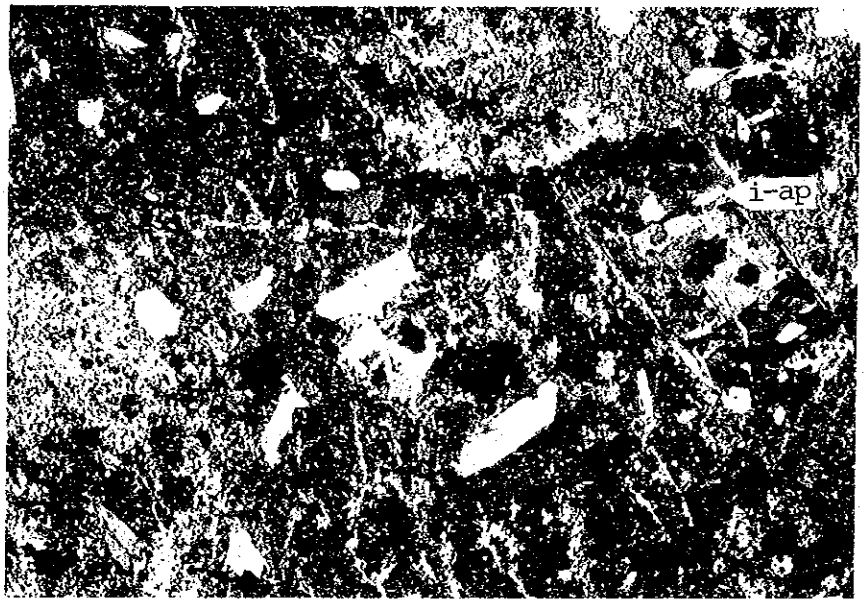
cb-a : carbonate mineral : euhedral
cb-b : carbonate mineral : anhedral

Sample No. : 100832G
Location : Ndiru Hill Area
Rock name : Carbontite (Ferrocarbonatite)

APPENDIX-4 Microphotographs(Thin sections)



(in plane-polarized light)



(under crossed polars)

0 1mm

Abbreviation

cpy	:	clinopyroxene
sp	:	spinel
per	:	perovskite
an	:	analcite
i-ap	:	inclusion of apatite

Sample No.	:	99743G
Location	:	Legetet Hill Area
Rock name	:	Melanephelinite

APPENDIX-4 Microphotographs(Thin sections)

APPENDIX-5 SUMMARY OF MICROSCOPICAL OBSERVATION-POLISHED SECTIONS

AREA	SAMPLE NUMBER	Field term	IDENTIFIED MINERALS									UNIDENTIFIED MINERALS										REMARKS
			mg(1)	mg(2)	ti-mg	hm	mhm	geh	el	pyc	rut	a	b	c	d	e	f	g	h	i	j	
S. RURI	99502G	FCB						●								●				●		e = i>>geh
Kuge	100053G	FCB				●		●		●	●									●	●	geh >pyc >hm >i >j >rut
So-kolo	100320G	Black vein.		●												●					●	e = j >>mg(2)
HOMA MTN.	99961G	mg ore		●		●							●									mg(2) >hm > b
	100490G	FCB		●		●															●	mg(2) >hm >>j
NDIRU HILL	100827G	ALV											●							●		i >b
	100846G	FCB				●						●	●									hm >>a and b
	100853G	ALV												●					●			h = c
BURU HILL	100094G	mg ore	●	●						●		●			●							mg(1) & mg(2) =d >a >pyc
	100097G	gossan		●		●		●		●		●										hm=geh >pyc >mg(2) >a
	101055G	mg ore			●											●					●	j >>e > ti-mg
	101061G	ore		●								●			●	●		●				mg(2) >d >a >g >e
	101071G	mg ore	●	●					●	●		●		●								mg(2)(1) >pyc >a >C
	101079G	ore		●			●	●			●	●										mgh >mg(2) >geh >rut > a
	RN-401	black min.			●															●	●	i >j > ti-mg

ABBREVIATIONS : * mg(1)= magnetite. * mg(2)= brownish pink magnetite. * ti-mg= titaniferous magnetite. * hm hematite. * mhm= maghemite. * geh= goethite. * el= electrum. * pyc= pyrochlore
* rut= rutile. * AlV= alvikite * FCB= ferro-carbonatite

mineral	a	b	c	d	e	f	g	h	i	j
color	cream white	light grey	brownish grey	greyish white	greyish white	brown, grey wh.	brown, grey wh.	bluish grey	greyish white	light grey
pleochroism	l.grey~ grey	--	clear	grey~grey wh.	--	weak	--	clear	--	weak
anisotropy	strong	weak, l.gry-gry	clear, brwn-gry	clear, brwn-gry	strong, gry-wh.	strong, gry-wh.	brwn-gry-wh.	weak, gry-l.gry	strong, dark gr	strong, gry
internal reflection	-	-	-	-	-	-	-	-	-	-

APPENDIX-6 MICROSCOPICAL OBSERVATION OF POLISHED SECTIONS-1

AREA Number	Field term	Macrosopical feature and/or objective	Constituent minerals	Texture and paragenesis	Major result of other tests/Remarks
S.RURU 99502G	Ferrocarbonatite (dyke)		* e ≒i>>geh	*e and i : Anhedral granular(approx.0.1mm) to anhedral irregular(0.02x 0.1mm). Both are closely associated each other,and occur fairly abundantly in gangue minerals as widely spaced reticular veinlets.	* Thin sectiion: carbonate 70% with two unidentifed opaque minerals.
KUGE 100053G	Ferrocarbonatite		* geh>pyc>hm>i>j>rut	* hm: Partly altered to goethite(rectangular to subhedral;<1.0x0.5mm), and abundantly scattered in pyrochlore. * i & j: Anhedral irregular to granular,scattered throughout. * rut: Very fine(<0.1mm),irregularly shaped, & included in pyrochlore.	* Gamma-ray: 9355cps at sample site. * X-ray: calc,ba,fl, mhm.hm are identified. * Thin sect.: Carbonate=10%. Rest are opaque minerals. * Chem.analys.: Fe2O3=51%.Th 2357ppm
SOKLO 100320G	Black veinlet in sovite		* e ≒ j>>mg(2) * Black streak is possibly a transparent min.	* e and j: Microgranular(<0.1-0.2mm), macroscopically observed to be scattered in the black streak. * mag(2): Microgranular(<0.01mm) and scarce.	* Gamma-ray: 2213cps at sample site. * X-ray: cal>>c-hydap. * Thin sect.: Cal=85%,ap=5%,bi=minor
HOMA MTN 99961G	Iron ore	* Black,massive,compact and hard with strong magnetism.	* mg(2)>hm>b	* mg(2): Aggregate of subhedral to anhedral grains(<0.1-0.5mm). Changes into hm from periphery inwards. * b: Penetrates reticularly interstices of mg-hm grains.	* Thin sect.: 70% opaque mineral with 10% of possible biotite.
100490G	Ferrocarbonatite	* With abundant hematite.	* mg(2)>hm>>J	* mg(2): Brownish pink,subhedral to anhedral(<0.0x0.5mm),scattered fairly abundantly. Peripheries of grains are hematitized and foliated hematite is included at their cores. * J: Euhedral to subhedral(<0.15mm), small amount. * Other than above,very fine hematite(.0.01mm) is abundanly included.	* Thin sect.: dol>>cal:50% Opaque min=50%,ap,mica,chl,and suspiceous spn or ga. * Chem.analys(ppm): Nb:2200,Y:170, La:880,Ce:1804.
NDIRU H. 100827G	Alvikite	* Light brown fine grained rock with irregularly shapd black specks.	* i>b	* Quantity of ore mineral is scarce. * i: Irregularly shaped anhedral(<0.05mm). * b: Euhedral to subhedral(0.1-0.15mm)	* Gamma-ray: 1400cps at sample site. * Thin sect.: cal=70%.ap,chl,suspiceous spn,ga,xen and unidentified brown matter(20%). * Chem.analys(ppm): Th:290,Nb:550, Y:180, La:470,Ce:810
100846G	Ferrocarbonatite	* Brown ,dustered with black mineral * Highest gamma-ray reading in the Ndiru Hill prospect	* hm>>a and b	* hm: Microgranular anhedral(<0.01mm) and scattered throughout. * a and b: Scattered throughout. Some "b" penetrates reticularly "a".	* Gamma-ray: 6800cps at sampling site. * X-ray: cal>>ba,hm * Chem.analys(ppm): U:26,Th:410, Nb:310,Y:185, La:3200,Ce:4800, Sm:170,Gd:680

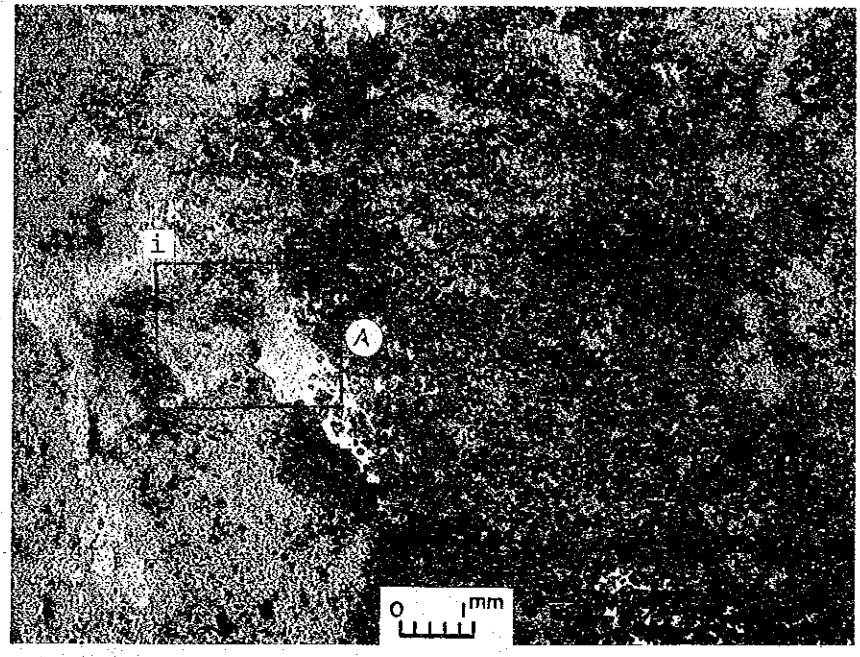
APPENDIX-6 MICROSCOPICAL OBSERVATION OF POLISHED SECTIONS-2

AREA Number	Field term	Macrosopical feature and/or objective	Constituent minerals	Texture and paragenesis	Major result of other tests/Remarks
NDIRU H. 100853G	Alvikite	*Brownish grey, fine grained.	*unident.h≒unident.c	* Quantity of ore minerals is small. * Both occur closely intergrown in irregularly shaped grains that fill interstitially gangue minerals.	* Gamma-ray: 1300cps at the sampling site. * Thin sect: Carbonate:80%. Unident. brown matter and possible barite. * Chem.analy: BaO=1.12%. Minor elem. in ppm: Y=300, Th=130, La=1000, Ce=2000
Buru H. 100094G	Massive magnetite partly limonitized	* Compact, hard and heavy. Flow structure-like irregular pattern by reddish brown limonite is observed.	* mg(2)&(2) ≒d>a>pyc	* Granular to irregular vein-like(0.25x0.02mm) unidentified-d includes other ore minerals. * mg: Brownish pink one(mg(1)) is scattered as euhedral to subhedral (0.1-0.4mm). Magnetite crystals are rimmed with unident-a, and often show foliated and lattice-like exsolution structures inside. In places greyish white one(mg(1)) penetrates reticularly gangue minerals. * Unident.-a: Other than -a mentioned above, some more euhedral grains (0.3x2.0x0.5mm) are scattered fairly abundant. *pyc: Granular to irregularly shaped anhedral. Sporadically scattered.	* Gamma-ray:5987cps at sampling site * Magnetic suscept.: 35.80 10-3 SIU * Chem.analy.:[%] Fe2O3=72.27, MnO=9.04, BaO=3.25/ [ppm]Th=1000, Nb=605, Y=3100(highest in whole the project area), La=2400, Ce=2100, Nd=2000, Sm=350, Eu=110, Yb=100(highest)
100097G	Porous gossan; possibly after semi-massive magnetite ore	* Porous with thin white hairline veinlets of fluorite and spots of black mineral.	* hm≒geh>pyc>mg>a	* hm: Shows lattice structure, often being closely associated with goethite. Occasionally included in unidentified-a. * unident.-a: Anhedral, irregularly shaped(<1.0x0.4mm), as discrete grains or aggregates. * pyc: Anhedral, irregularly shaped to granular(<0.2-0.1mm). Scattered. * mg(2): Brownish pink, granular to anhedral(0.1-0.4mm). Scattered.	* Gamma-ray:4276cps at sampling site * Magnetic suscept.: 2.44 10-3 SIU * X-ray: maghemite and hematite are identified. * Chem.analy.:[%]Fe2O3=60.87, MnO=8.25, BaO=7.08/[ppm]Th=1200, Nb=3300, Y=780, La=8390, Ce=15600, Nd=2700, Sm=210, Eu=62, Yb=30
101055G	Massive iron oxide ore	* Brownish black, fine grained, comact, hard;with small greenish crystals of a transparent mineral	* unident-j>>unident-e> titaniferous magnetite (timg)	* unident-j: Annedral irregular to subhedral granular(<2.0x1.0mm). Abundantly distributes in gangue minerals. In places included within unident-e as microgranular to anhedral irregular grains(<0.6-1.0mm). * timg: Rectangular to subhedral (<0.3-1.0mm) grains are scattered, foliated to lattice-like exsolution structure is prominent.	* Gamma-ray:4510cps at sampling site * Magnetic suscept.: 0.75 10-3 SIU * X-ray: quartz, barite, fluorite, and hematite are identified. * Chem.analy.:[%] SiO2=38.11, Fe2O3=25.47, P2O5=1.83, MnO=6.04, BaO=10.58/ [ppm]Th=890, Nb=1010, Y=490, La=3400, Ce=4200, Nd=1100, Sm=200, Eu=63, Yb=24

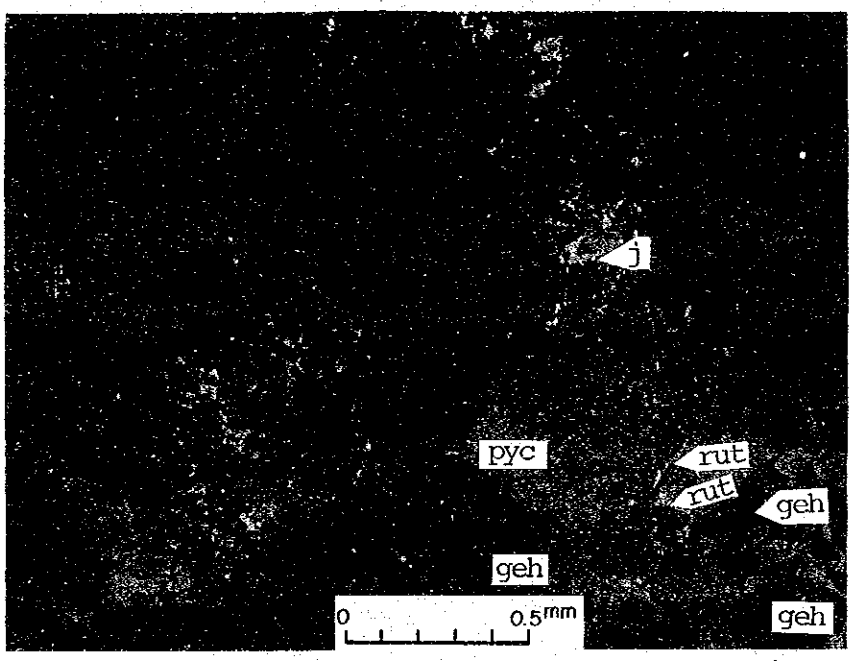
APPENDIX-6 MICROSCOPICAL OBSERVATION OF POLISHED SECTIONS-3

AREA Number	Field term	Macrosopical feature and/or objective	Constituent minerals	Texture and paragenesis	Major result of other tests/Remarks
BURU H. 101061G	Weathered rock with magnetite-hematite veinlets and dissemination	* Yellowish white; stained with hematite and limonite to purplish red color.	* mg>unident-a>unident-a >unident-g>>unident-e	* Composed of bandings of "mg-bearing and-d","geh",and" e-bearing". * mg & -d: Abundantly scattered in -g as euhedral to subhedral grains. (<0.7x0.5mm) * mg(2): Light brownish pink. Rimmed by unident- and includes it as foliation> * unident-d: Includes anhedral irregular grains of -e(<0.13X0.07mm).	* Gamma-ray:4362cps at sampling site * Magnetic susc.: 9.59 10-3 SIU * Thin sect: Fluorite(?)30%.Opaque mineral 20%, Brown matter 20%. Vesicles 30% * Chem.analy.:[%] SiO2=1.98, Fe2O3=46.78,CaO=20.82,P2O5=12.36, MnO=3.16,BaO=1.29/ [ppm]Th=300, Nb=1355, Y=610,La=1200,Ce=1700, Nd=500,Sm=93,Eu=28, Yb=27
101071G	Massive magnetite ore [Gold pyrochlore bearing barite-fluorite magnetite ore]	* Black,massive, compact and hard. * Highest magnetic susceptibility and lowest gamma-ray reading in this prospect.	* mg>pyc>unident-a>-c>el	* magnetite: Microgranular(<0.02mm) to anhedral irregular-subhedral (<0.1mm). Abundantly distributes with occasional anhedral pyrochlore (<0.4x0.1mm). Unidentifeid-a is also scattered throughout. Greyish magnetite[mg(1)] predominates, but brownish pink one[mg(2)] also occurs a small amount as granular to anhdral grains(<0.03mm). * unidentified-a: Anhedral irregular to subhedral(<0.02-0.2x0.05mm). Occasionally replaces pyrochlore and includes -c. Zonal structure is observed in places. * electrum: Golden colored,microgranular to irregularly shaped anhedral(1-20 μ),associated with pyrochlore, and lined in a direction.	* Gamma-ray: 997cps at sampling site * Magnetic susc.:181.0 10-3 SIU * Thin sect: Fluorite 30%. Opaque mineral 30%, Brown matter 10%. Vesicles 10-20%,apatite and biotite * Chem.analy.:[%] SiO2=2.53, Fe2O3=49.42,CaO=17.33,P2O5= 0.52, MnO=1.86,BaO=10.63/ [ppm]Th=300, Nb=1355, Y=610,La=1200,Ce=1700, Nd=500,Sm=93,Eu=28, Yb=27
101079G	Bastnaesite bearing barite-fluorite-maghemite-goethite rock	* Rough surfaced relatively porous. * Yellowish white (transluecent) and greenish white(transparent) minerals irregularly intergrowth. * Penetrated by abundant goethite veinlets.	* mhm>mg>geh>rut>-a	* Spotted,disseminated, irregular to reticular structure. * maghemite: Occurs in irregular veinlets with goethite, as anhedral aggregate(2.0x1.5mm). * magnetite: Brownish pink,subhedral to granular(0.05-0.15mm) abundantly scattered. * unidentified-a: Rims magnetite,and is included in it forming microfoliated exsolution structure. * rutile: Subhedral to prismatic(0.06mm) and scattered throughout.	* Gamma-ray:6126cps at sampling site * Magnetic susc.: 0.16 10-3 SIU * Thin sect: Fluorite 55%. Opaque mineral 10%, Barite 5%. dolomite<3% Vesicles 30%,apatite and chlorite. Fluorite,bastnaesite and maghemite are identified. * Chem.analy.:[%] SiO2=2.26, Fe2O3=16.76,CaO=40.60,P2O5= 0.55, MnO=5.21,BaO=1.92 / [ppm]Th=250, Nb=175, Y=730,La=19500,Ce=17900 Nd=2400,Sm=100,Eu=61, Yb=47
RN-401	Veiniet of black metalic mineral	* Black metalic and looks like mangnese oxide mineral.	* unident-i>-j>>ti-mg	* unident-i: Shows reticular structure that crosscuts unident-j. * unident-j: Aggregates composed of microacicular to long acicular (<1.5x0.3mm) crystals are prominent under crossed nicols. * titaniferous magnetite: A small amount scattered(<0.05-0.13mm).	* X-ray: Hematite,dolomite and fluorite are identified. Suspiceous peak of anhydrite is obseved.

PL - 1



PL - 2
[PL-1(A)]



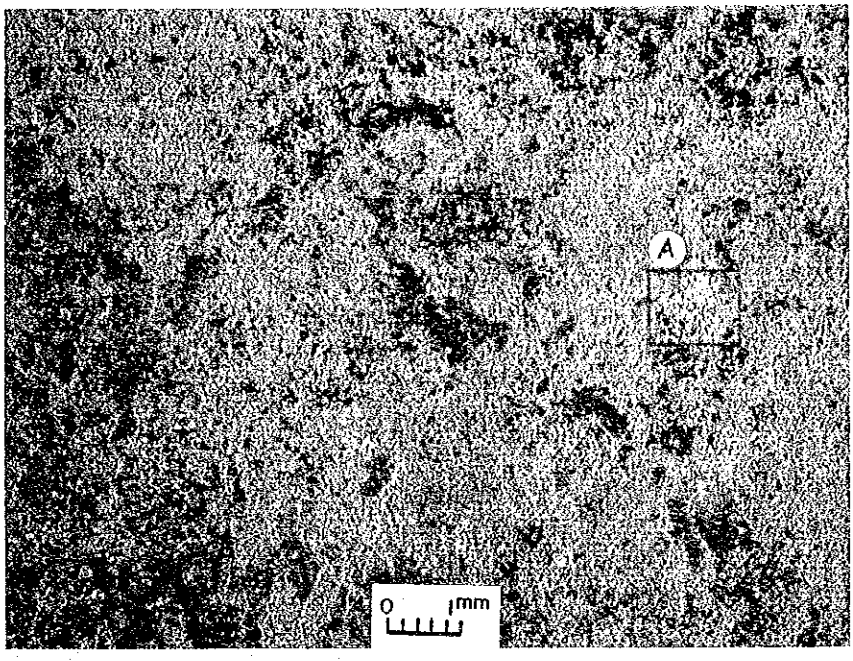
Abbreviation

pyc : pyrochlore
geh : goethite
ruf : rutile
i,j : unidentified mineral-i,j

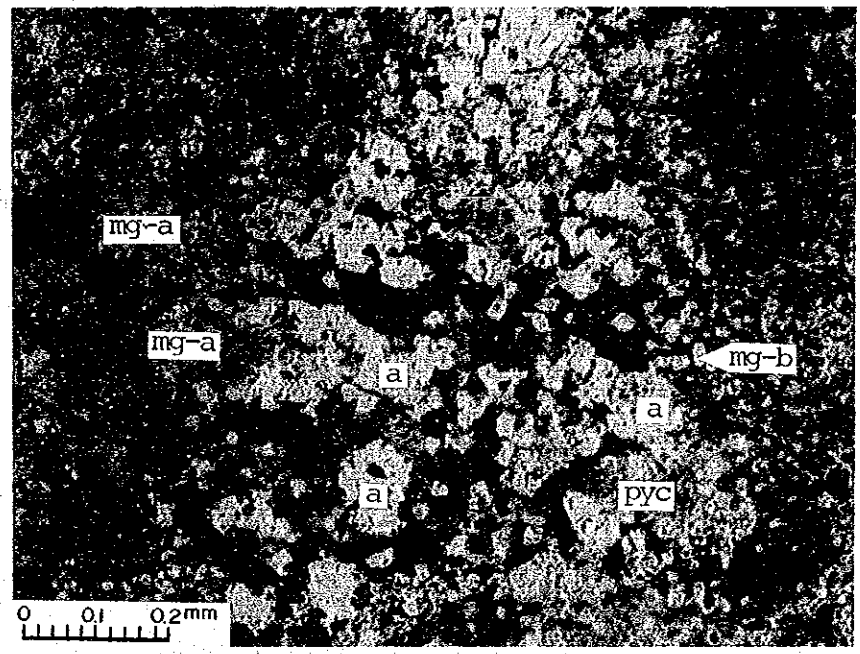
Sample No. : 100053G
Location : Kuge-Lwala Area
Ore name : Ferrocarbonatite

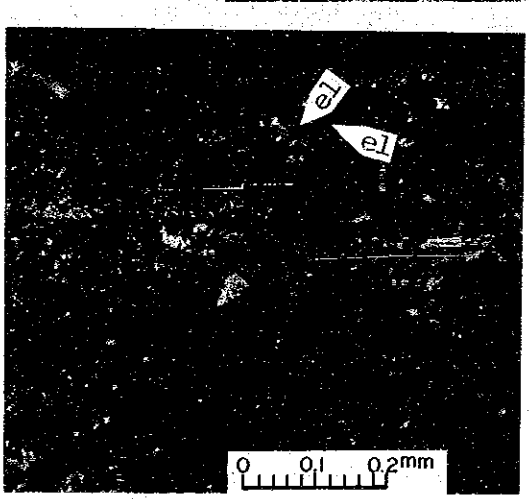
APPENDIX-7 Microphotographs(Polished sections)

PL - 1



PL - 2
[PL-1(A)]





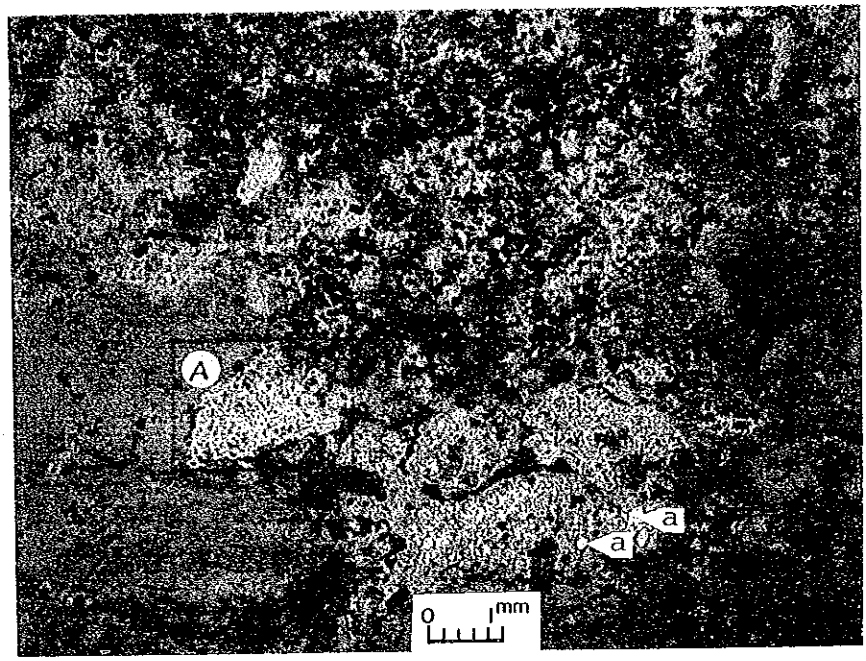
Sample No. : 101071G
Location : Buru Hill
Ore name : Massive magnetite ore
「Gold pyrochlore bearing barite-fluorite magnetite ore」

Abbreviation

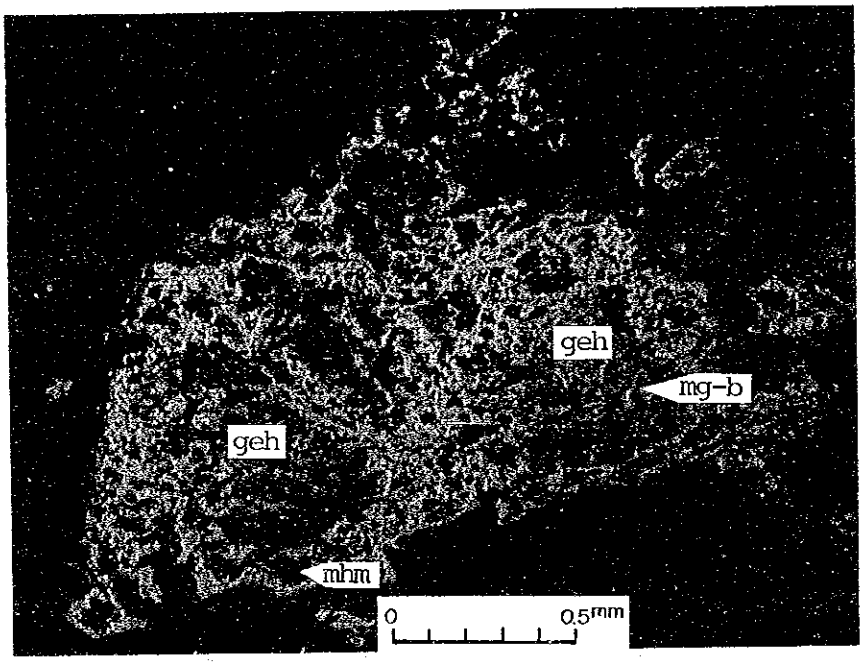
mg-a	:	greyish magnetite
mg-b	:	brownish pink magnetite
pyc	:	pyrochlore
el	:	electrum
a	:	unidentified mineral-a

APPENDIX-7 Microphotographs(Polished sections)

PL - 1



PL - 2
[PL-1(A)]



Abbreviation

geh	:	goethite
mg-b	:	brownish pink magnetite
mhm	:	maghematite
a	:	unidentified mineral-a

Sample No.	:	101079G
Location	:	Buru Hill
Ore name	:	Bastonesite bearing barite -fluorite-maghematite-goethite rock

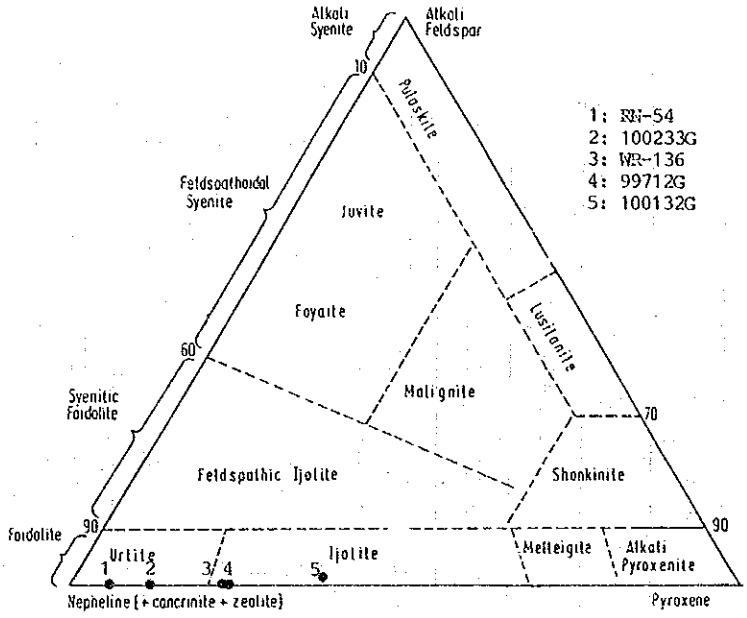
APPENDIX-7 Microphotographs(Polished sections)

APPENDIX-8 RESULTS OF CHEMICAL ANALYSIS-SILICATE ROCKS AND MINERALIZED ROCKS

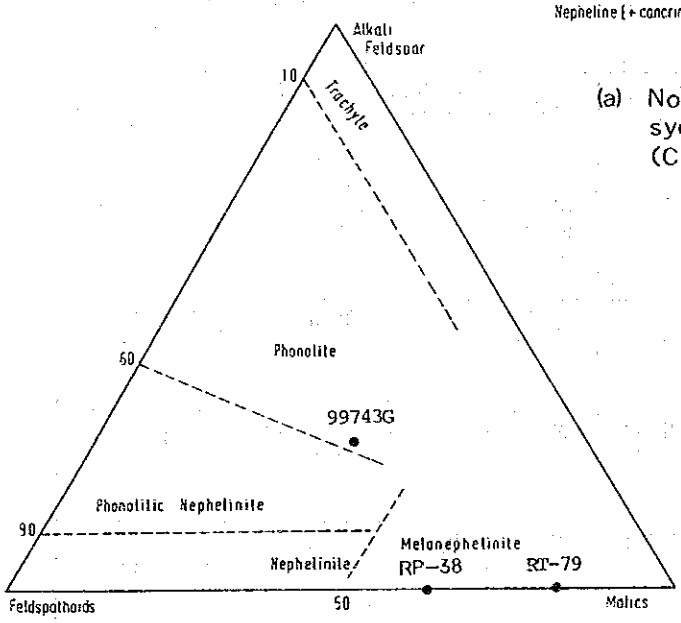
	Area	Rock TYPE	SiO2 (%)	Al2O3 (%)	Fe2O3 (%)	MgO (%)	CaO (%)	Na2O (%)	K2O (%)	TiO2 (%)	P2O5 (%)	MnO (%)	BaO (%)	L.O.I. (%)	Total (%)	FeO (%)	+H2O (%)	-H2O (%)
99712G	Sagarume	IJ	39.23	17.32	6.65	1.95	15.81	8.46	3.49	1.90	0.60	0.16	0.04	2.36	97.98	1.94	0.15	0.14
99743G	Legetet	NEP	40.39	14.15	11.42	3.26	11.37	6.15	2.35	3.01	0.54	0.26	0.16	4.27	97.34	4.49	2.34	1.12
99865G	Sagarume	FEN	73.71	12.18	2.78	0.17	0.71	4.24	5.69	0.18	0.11	0.06	0.06	0.33	100.25	0.31	0.03	0.14
100089G	Buru H.	ORE	4.83	1.69	13.49	0.57	43.46	0.42	1.17	0.33	0.34	2.99	3.40	5.42	78.12	0.10	1.66	0.58
100094G	Buru H.	ORE	2.28	0.98	72.27	0.25	1.29	0.23	0.13	0.06	0.94	9.04	3.25	8.17	98.89	0.16	4.54	1.36
100097G	Buru H.	ORE	2.92	2.03	60.87	0.32	2.60	0.21	0.80	0.08	0.61	8.25	7.08	10.17	95.94	0.14	5.75	1.66
100132G	N.Ruri	SYN	47.58	17.16	8.22	0.74	5.52	8.48	7.05	0.61	0.15	0.44	0.44	2.79	99.19	1.21	1.23	0.60
100233G	Homa Mtn	IJ	40.11	19.50	5.46	1.92	12.95	9.58	5.08	0.67	0.51	0.20	0.07	2.65	98.71	1.49	0.34	0.17
100323G	Soklo	FEN	48.33	12.15	6.49	1.01	9.85	2.55	10.55	0.28	0.65	0.27	0.42	6.95	99.51	0.60	0.17	0.11
101055G	Buru H.	ORE	38.11	1.11	25.47	0.37	5.48	0.30	0.78	0.42	1.83	6.04	10.58	6.94	97.43	0.20	2.88	0.49
101056G	Buru H.	ORE	54.82	0.87	8.35	0.14	15.02	0.30	0.77	0.13	0.58	0.57	4.87	5.44	91.87	0.37	1.02	0.19
101061G	Buru H.	ORE	1.98	2.12	46.78	0.18	20.82	0.40	0.60	0.47	12.36	3.16	1.29	5.27	95.44	0.24	2.72	0.79
101071G	Buru H.	ORE	2.53	1.85	49.42	0.27	17.33	0.33	0.82	0.18	0.52	1.86	10.63	6.05	91.79	0.17	3.03	0.81
101075G	Buru H.	ORE	60.79	13.44	6.58	0.65	1.40	0.80	9.66	0.38	0.14	0.41	1.01	2.92	98.19	0.21	1.41	0.60
101079G	Buru H.	ORE	2.26	1.23	16.76	0.30	40.60	0.35	0.55	0.09	0.55	5.21	1.92	5.59	75.42	0.20	1.79	0.58
101083G	Buru H.	ORE	2.36	1.66	25.32	0.25	28.32	0.31	0.39	0.20	0.91	5.81	8.02	6.26	79.82	0.40	2.52	0.79
RN-54G	Rangwa	IJ	33.06	12.93	9.16	7.99	16.67	4.87	3.25	2.39	1.99	0.21	0.44	1.69	94.66	3.87	0.37	0.17
RP-79G	Region.S	NEP	35.32	6.48	16.92	8.75	18.31	1.23	0.82	3.73	0.43	0.23	0.12	3.03	95.38	7.76	2.51	0.89
RT-38G	Region.S	NEP	34.58	8.72	15.01	6.61	17.45	2.99	1.50	4.24	0.79	0.28	0.16	3.29	95.63	7.42	2.08	1.43
RT-77G	Region.S	MRHY	81.86	10.35	1.33	0.37	0.52	0.25	2.32	0.11	0.12	0.02	0.03	1.80	99.07	0.26	0.68	0.36
WR-136	Region S	IJ	40.47	20.07	6.80	3.24	11.02	9.41	3.55	1.53	0.76	0.15	0.02	0.74	97.77	2.38	0.35	0.25

APPENDIX-8a NORMs OF SILICATE ROCKS

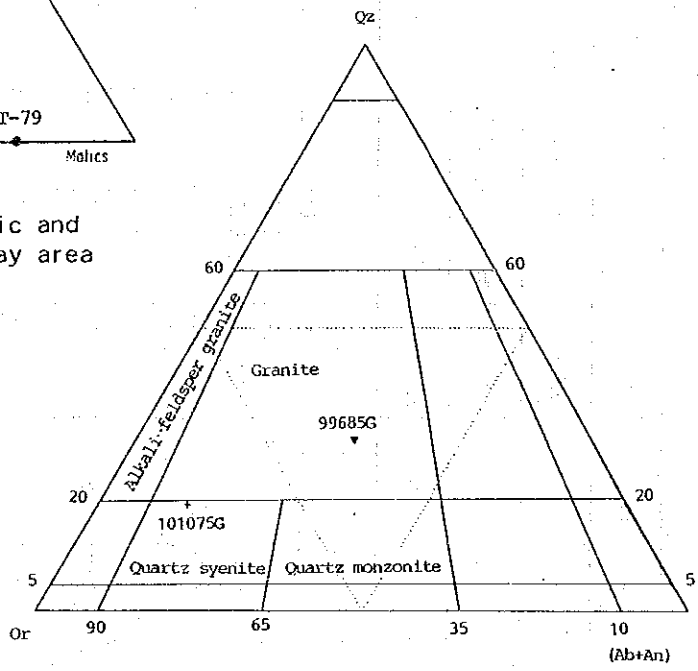
Sample Number		99712G	99743G	99685G	100132G	100233G	100323G	101075G	RN-54	RP-79	RT-38	RT-77	WR-136
Area		Sagarume	Legetet H.	Sagarume	North Ruri	Homa Mtn.	Soklo	Buru Hill	Rangwa	Regional Survey Area			
Rock Type		ijolite	nephelin.	fenite	ne-syenite	ijolite	fenite	gneiss	ijolite	nephelin.	nephelin.	meta-rhy ?	
K-Ar Isotopic Age(MA)		25.8±1.3	10.7±0.6	---	---	---	---	---	---	4.5±0.5	14.4±0.8		16.2±0.8
Quartz	Q	0.00	0.00	27.54	0.00	0.00	0.00	15.91	0.00	0.00	0.00	70.20	0.00
Corundum	C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.77	0.00
Orthoclase	or	0.00	13.89	33.62	1.24	0.00	4.02	57.08	0.00	0.00	0.00	13.71	0.00
Albite	ab	0.00	5.05	30.97	0.00	0.00	0.00	6.77	0.00	0.00	0.00	2.12	0.00
Anorthite	an	0.00	4.06	0.00	0.00	0.00	0.00	4.55	3.82	9.74	5.94	1.80	2.04
Leucite	lc	16.17	0.00	0.00	31.70	17.11	45.73	0.00	15.06	3.80	6.95	0.00	16.45
Nepheline	ne	37.73	25.45	0.00	26.55	39.01	2.04	0.00	22.32	5.64	13.71	0.00	43.13
Kaliophilite	kp	0.00	0.00	0.00	0.00	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acmite	ac	1.70	0.00	4.32	19.88	7.97	15.70	0.00	0.00	0.00	0.00	0.00	0.00
Wollastonite	wo	9.77	20.33	1.17	11.03	0.00	18.63	0.62	1.17	21.74	17.25	0.00	9.14
Enstatite	en	4.86	8.12	0.42	1.84	0.00	2.52	1.61	1.01	17.67	13.81	0.92	7.89
Ferrosilite	fs	0.00	0.00	0.00	2.03	0.00	0.82	0.00	0.00	1.47	1.43	0.00	0.00
Forsterite	fo	0.00	0.00	0.00	0.00	3.35	0.00	0.00	13.24	2.89	1.86	0.00	0.12
Fayalite	fa	0.00	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.26	0.21	0.00	0.00
Ca-orthosilicate	cs	15.82	0.00	0.00	0.00	18.86	0.00	0.00	19.52	8.12	10.57	0.00	7.98
Magnetite	mt	1.27	6.60	0.67	0.00	1.51	0.57	0.92	6.35	11.99	9.77	0.59	3.80
Hemtite	hm	3.03	1.87	0.47	0.00	0.00	0.00	5.72	0.47	0.00	0.00	0.63	1.52
Ilmenite	il	3.61	5.71	0.34	1.16	1.27	0.53	0.72	4.52	7.05	8.01	0.21	2.89
Apatite	ap	1.39	1.25	0.25	0.35	1.18	1.51	0.32	4.61	1.00	1.83	0.28	1.76
TOTAL		95.35	92.40	99.78	95.81	95.81	92.06	94.22	92.09	91.36	91.34	97.22	96.73
Differntiation Index		37.73	44.39	92.13	27.79	43.67	6.06	79.76	22.32	5.64	13.71	86.02	43.13



(a) Normative variation of ijolite and syenitic rocks from the Homa Bay area (Classification:by LeBas,1977)



(b) Normative variation of nephelinitic and phonolitic rocks from the Homa Bay area (Classification:by LeBas,1977)



(c) Normative variation of igneous rocks from the Homa Bay area (Classification:by IUGS, 1973)

APPENDIX-8b. 3 Components plot of Silicate Rocks (NORMs)

APPENDIX-9 RESULTS OF CHEMICAL ANALYSIS-CARBONATITIC ROCKS-(1)MAJOR ELEMENTS

Sample Number	Area	Rock Type	SiO2 (%)	Al2O3 (%)	Fe2O3 (%)	MgO (%)	CaO (%)	Na2O (%)	K2O (%)	TiO2 (%)	P2O5 (%)	MnO (%)	BaO (%)	L.O.I. (%)	Total (%)	CO2 (%)	FeO (%)	+H2O (%)	-H2O (%)
40929E	Rangwa	CB8	7.91	2.51	8.73	2.13	40.66	0.22	0.27	3.33	0.10	0.10	0.02	30.40	96.39	28.80	2.42	0.63	0.65
99543G	N.RURI	ALV	2.30	0.49	8.95	0.32	45.90	0.30	<0.01	0.08	0.85	0.36	0.05	36.48	96.10	35.00	2.35	0.13	0.27
99599G	Homa Mtn	FCB	1.29	0.49	6.60	0.58	43.98	0.34	0.35	0.17	0.08	0.97	1.00	37.92	93.78	33.50	0.11	0.64	0.35
99729G	Sagarume	ALV	1.59	0.54	2.15	0.30	49.80	0.43	0.43	0.03	0.87	0.67	0.24	40.71	97.77	40.20	0.07	0.30	0.21
99759G	Legetet	CBTF	10.75	1.83	7.01	0.28	41.04	0.79	2.22	0.20	0.31	0.87	1.37	32.66	99.34	31.70	0.12	0.70	0.29
100051G	Kuge	ALV	1.57	0.57	2.26	0.46	52.69	0.25	0.13	0.06	0.33	0.56	0.38	41.30	100.57	41.20	0.13	0.11	0.18
100053G	Kuge	FCB	2.86	0.89	51.01	0.71	13.48	0.22	0.06	0.01	0.55	9.30	3.20	18.66	100.95	10.50	0.50	5.46	0.88
100111G	S.Ruri	FCB	17.83	5.24	9.79	1.41	30.01	1.38	1.20	0.30	2.96	0.82	0.35	24.00	95.30	20.10	0.53	1.97	1.32
100127G	N.Ruri	SOV	3.61	1.03	2.26	0.35	49.88	0.46	0.29	0.09	1.87	0.29	0.17	38.59	98.90	38.40	0.30	0.02	0.07
100152G	S.Ruri	SOV	36.14	3.98	1.74	0.14	33.02	0.19	<0.01	0.03	0.10	0.22	0.02	23.86	99.96	23.40	0.25	0.07	0.10
100303G	Soklo	FCB	14.90	4.84	6.89	1.12	34.23	0.36	3.51	0.49	1.86	0.79	1.00	25.71	95.71	23.60	1.60	0.50	0.30
100324G	Soklo	SOV	1.61	0.58	1.62	0.58	50.38	0.24	0.29	0.08	0.62	0.25	0.13	41.34	97.74	38.20	0.27	0.06	0.10
100389G	Ngour	SOV	4.07	1.02	3.53	0.67	50.96	0.25	0.22	0.20	1.76	0.50	0.24	37.61	101.04	31.60	0.06	0.46	0.77
100490G	Homa Mtn	FCB	1.07	0.66	19.67	11.71	24.71	0.28	<0.01	0.11	0.14	1.38	1.31	34.74	95.78	33.60	0.22	0.46	0.40
100827G	Ndiru H.	ALV	0.75	0.37	4.21	0.41	47.02	0.32	<0.01	0.15	4.21	0.53	1.07	36.58	95.64	33.50	0.16	0.46	0.22
100832G	Ndiru H.	FCB	1.25	0.64	8.32	0.59	45.21	0.20	<0.01	0.20	0.22	1.23	1.62	38.03	99.67	36.60	0.11	1.27	0.41
100838G	Ndiru H.	SOV	0.97	0.41	3.67	0.53	49.44	0.30	<0.01	0.04	1.54	0.49	0.41	40.11	97.93	39.40	0.13	0.45	0.17
100846G	Ndiru H.	FCB	2.09	0.71	12.90	0.50	39.33	0.22	<0.01	0.05	0.26	1.69	1.52	35.42	94.71	33.00	1.10	1.94	0.51
100850G	Ndiru H.	SOV	1.05	0.43	4.66	0.36	51.54	0.26	<0.01	0.04	0.37	0.39	0.17	41.23	100.52	39.40	0.15	0.48	0.20
100853G	Ndiru H.	ALV	0.90	0.37	2.04	0.28	53.52	0.22	<0.01	0.05	0.49	0.79	1.12	41.05	100.85	39.00	0.15	0.33	0.21
101047G	Legetet	CBTF	0.47	0.39	2.55	0.53	50.69	0.31	<0.01	0.03	0.90	1.12	0.47	39.90	97.38	39.30	0.18	0.05	0.10
RO-2	Rangwa	ALV	0.89	0.53	2.80	0.30	48.79	0.30	<0.01	0.06	1.88	0.59	0.52	39.37	96.05	38.20	0.08	0.29	0.15

APPENDIX-9 RESULTS OF CHEMICAL ANAYLYSIS-CARBONATITIC ROCKS-(2)MINOR ELEMENTS

Sample Number	Area	Rock Type	Ba (ppm)	Sr (ppm)	Nb (ppm)	Y (ppm)	U (ppm)	Th (ppm)	La (ppm)	Ce (ppm)	Nd (ppm)	Sm (ppm)	Eu (ppm)	Gd (ppm)	Tb (ppm)	Tm (ppm)	Yb (ppm)	Lu (ppm)
40929E	Rangwa	CBB	300	580	63	<5	3	11	69	140	62	8.6	2.8	<50	0.5	<1	0.3	<0.1
99543G	N.RURI	ALV	320	3160	1090	58	130	140	290	600	240	25.0	8.8	delay	2.7	<1	1.7	0.6
99599G	Homa Mtn	FCB	620	542	350	43	delay	57	1017	1964	766	74.8	19.5	delay	3.6	delay	9.4	0.8
99729G	Sagarume	ALV	13060	2310	490	210	11	17	829	2110	1180	244.5	37.2	delay	12.2	delay	4.2	0.5
99759G	Legetet	CBTF	1180	3420	480	175	<1	51	585	902	315	41.6	14.0	delay	5.4	delay	9.0	1.4
100051G	Kuge	ALV	2590	1975	715	185	<1	53	434	909	417	67.8	21.5	delay	7.5	delay	12.9	0.7
100053G	Kuge	FCB	30400	934	275	240	<3	2357	51	415	1147	283.0	74.9	delay	10.2	delay	5.0	0.9
100111G	S.Ruri	FCB	1180	4400	150	46	6	12	270	450	200	24.0	6.2	delay	2.2	delay	2.8	0.4
100127G	N.Ruri	SOV	890	6390	7	44	<1	10	160	310	110	18.0	4.5	delay	1.8	delay	2.7	0.5
100152G	S.Ruri	SOV	30	68	<5	5	<1	<1	3	3	<5	0.7	1.6	delay	1.3	<1	0.8	0.5
100303G	Soklo	FCB	4940	1835	400	47	15	31	519	557	141	15.2	4.7	delay	2.0	delay	1.4	0.5
100324G	Soklo	SOV	660	7080	220	53	22	7	273	451	155	17.2	5.8	delay	2.1	delay	2.6	0.6
100389G	Ngour	SOV	1970	2380	225	77	2	46	547	894	283	39.9	11.6	delay	3.1	delay	2.6	0.5
100490G	Homa Mtn	FCB	8630	3710	2200	170	<1	47	880	1804	677	88.4	24.5	delay	6.3	delay	5.2	1.2
100827G	Ndiru H.	ALV	3180	1705	550	180	5	290	470	810	430	71.0	19.0	200	9.3	7	8.9	1.6
100832G	Ndiru H.	FCB	3400	331	240	67	<2	290	1200	1700	330	67.0	11.0	<50	4.8	<1	0.7	0.3
100838G	Ndiru H.	SOV	1160	4690	65	81	<2	56	280	570	130	37.0	12.0	<50	1.2	3	5.7	1.1
100846G	Ndiru H.	FCB	18340	764	310	185	26	410	3200	4800	1100	170.0	35.0	680	11.0	10	1.1	<0.1
100850G	Ndiru H.	SOV	610	4050	450	87	19	130	250	550	130	31.0	10.0	<50	3.3	2	5.5	0.7
100853G	Ndiru H.	ALV	9340	1900	105	300	<1	130	1000	2000	640	140.0	39.0	<50	9.3	<1	9.7	1.7
101047G	Legetet	CBTF	2550	3090	520	210	<1	72	777	1244	406	56.6	18.1	delay	6.7	delay	10.3	1.5
RO-2	Rangwa	ALV	3400	2550	170	91	1	10	470	1200	590	79.0	20.0	delay	6.3	29	4.9	0.8

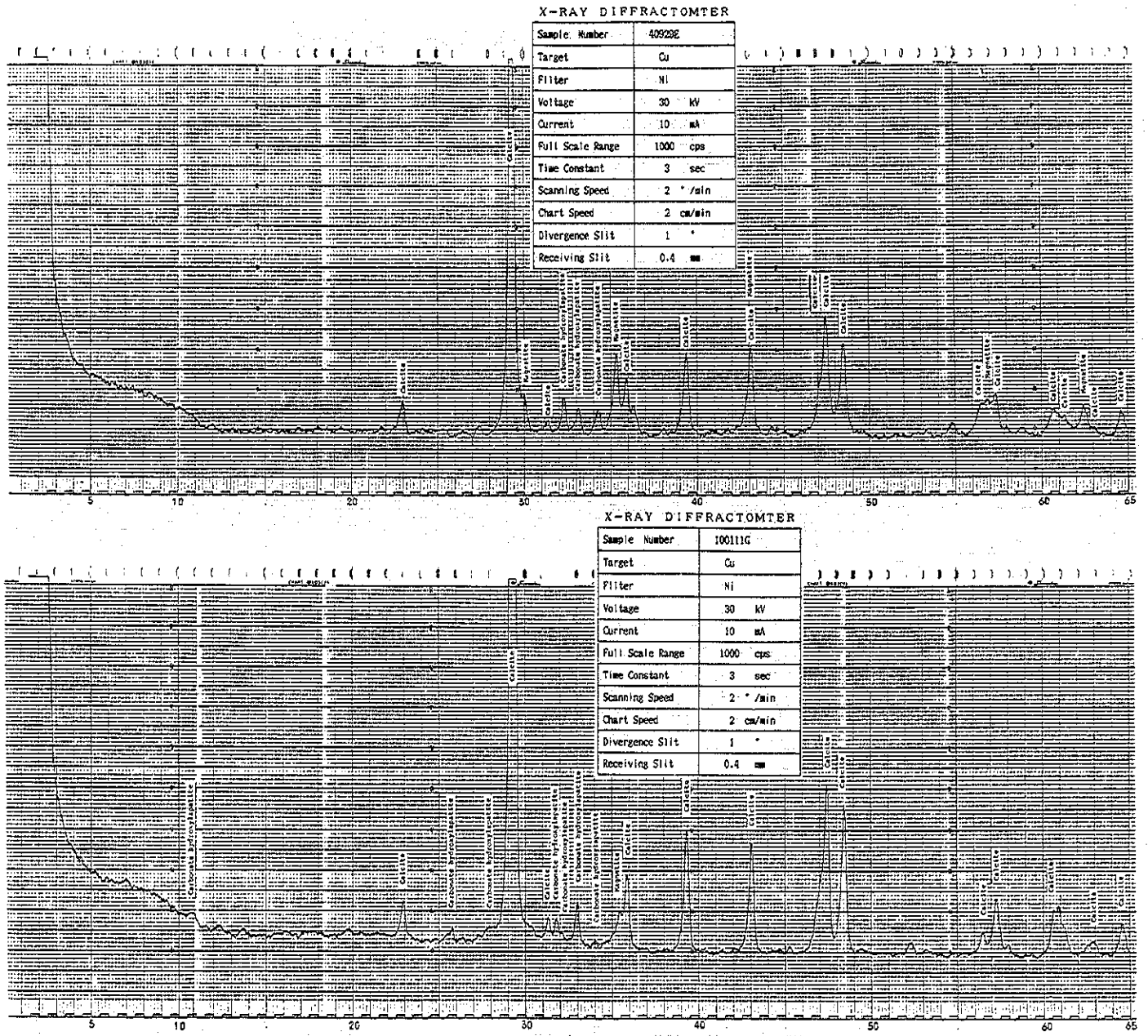
APPENDIX-10 K-Ar AGE DETERMINATION

Sample Number	99712G	99743G	RP-79	RT-38	WR-136
Area Rock type	Sagarume ijolite	Legetet H. nephelin.	Regional Survey nephelin.	Regionsl Survey nephelin.	Regional Survey ijolite
Material Analyzed	All the samples analyzed are "whole rock"				
Isotopic Age (MA)	25.8±1.3	10.7±0.6	4.5±0.5	14.4±0.8	16.2±0.8
^{40}Ar (sec/gm X 10^{-5})	0.323 0.316 0.307	0.055 0.058	0.016 0.016	0.103 0.102	0.208 0.203
% ^{40}Ar	81.8 54.7 76.0	36.1 54.8	20.5 23.2	35.0 64.9	75.8 61.9
% K	3.11 3.13	1.36 1.36	0.91 0.90	1.81 1.84	3.24 3.27

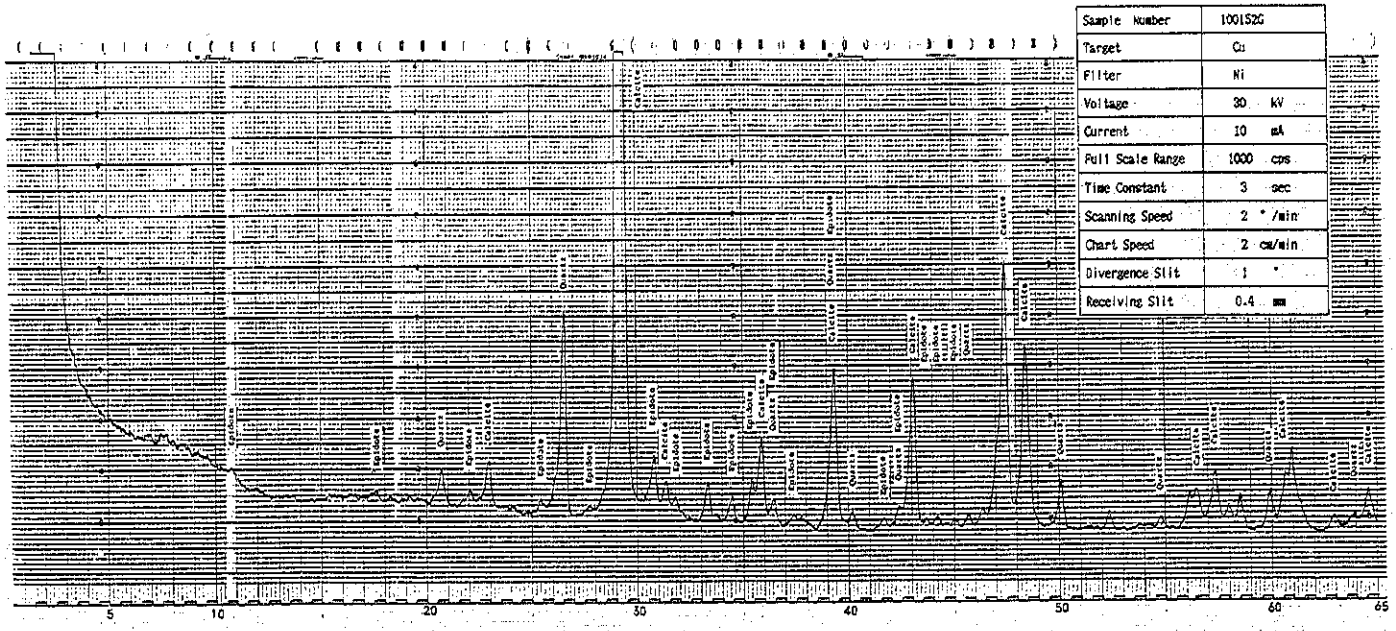
APPENDIX-11 SUMMARY OF X-RAY DIFFRACTION (POWDER)

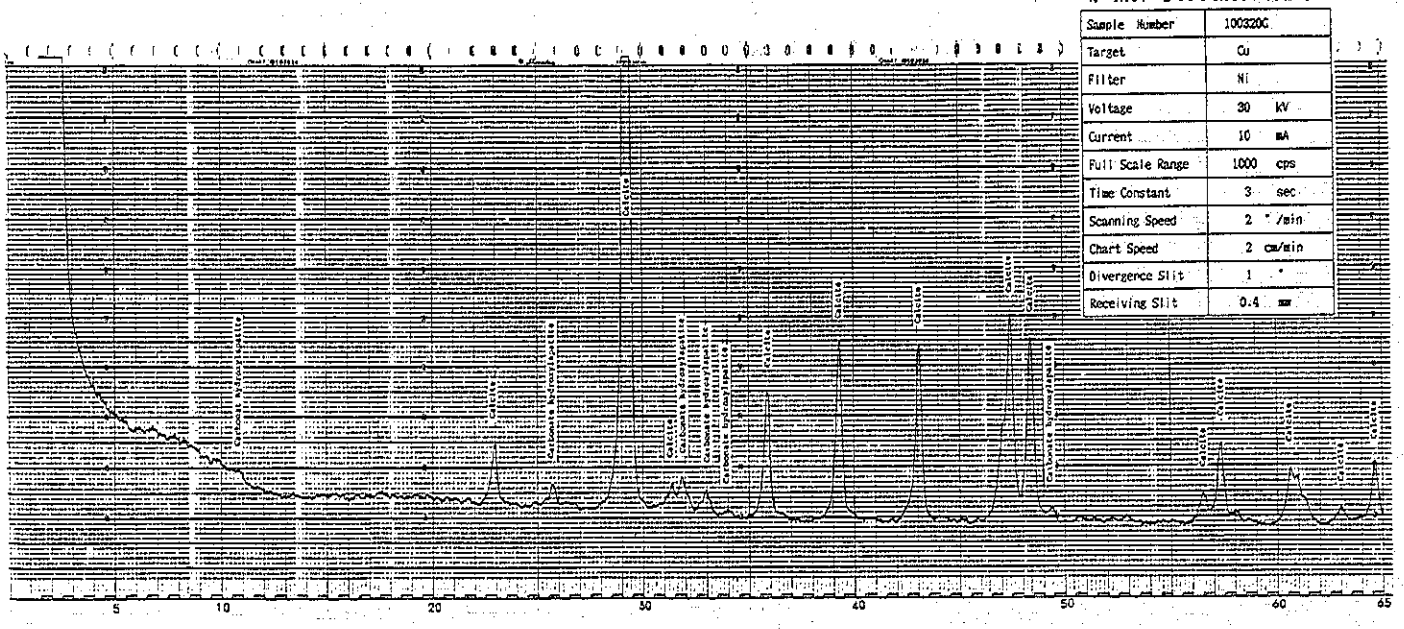
Sample Number	Area	Rock Type	Quartz	K-spar	Epi-dote	Calc-ite	Dolo-mite	Anhyd-rite	Barite	Fluo-rite	Bastn-aesite	Carb.H Apat*1	Spinel	Magne-tite	Maghe-mite	Hema-tite	Goeth-ite	Other tests/ Remarks
40929E	Rangwa	CBBR				◎						△	△	△				Thin section ,Assay.
100111G	South Ruri	FCB				◎						△			△			Thin section, Assay.
100152G	South Ruri	SOV	○		△	◎												Thin section, Assay.
100320G	Soklo	FCB				◎						△						Thin section,Polished section, Assay
100323G	Soklo	FEN		◎		◎												Thin Section, Assay
100053G	Kuge	FCB				△			△	△					△	△		Thin sectoon, Polished section, Assay
100097G	Buru Hill	ORE													△	△		Polished section, Assay
100846G	Ndiru Hill	FCB				◎			△							△		Thin section, Polished section, Assay.
101055G	Buru Hill	ORE	○						△	△						△		Polished section, Asssay.
101079G	Buru Hill	ORE								○	△				△			Thin section, Polished section, Assay.
RN-401	Buru Hill	black min.					△	?		△						△		Polished section/ A veinlet of black Mn-ore-like mineral tested

*1 Carb.H.Apat= Carbonate-hydroxylaptite. ◎= abundant. ○=moderate. △=scarce. ?=uncertain.

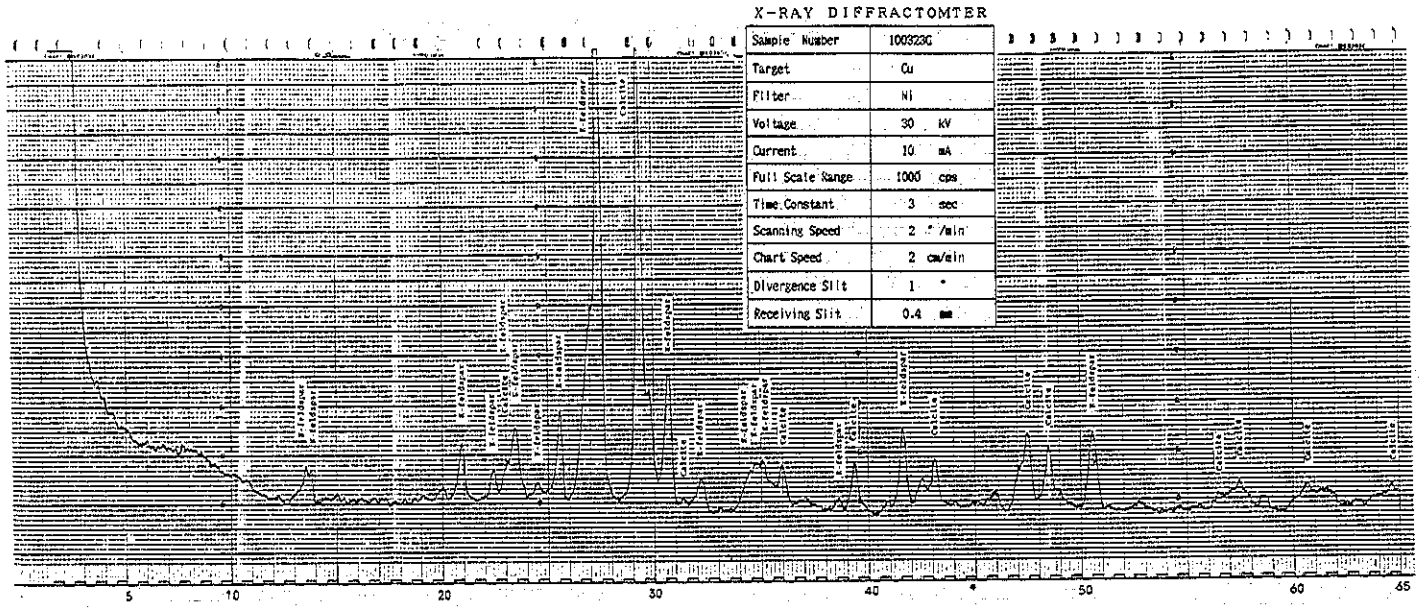


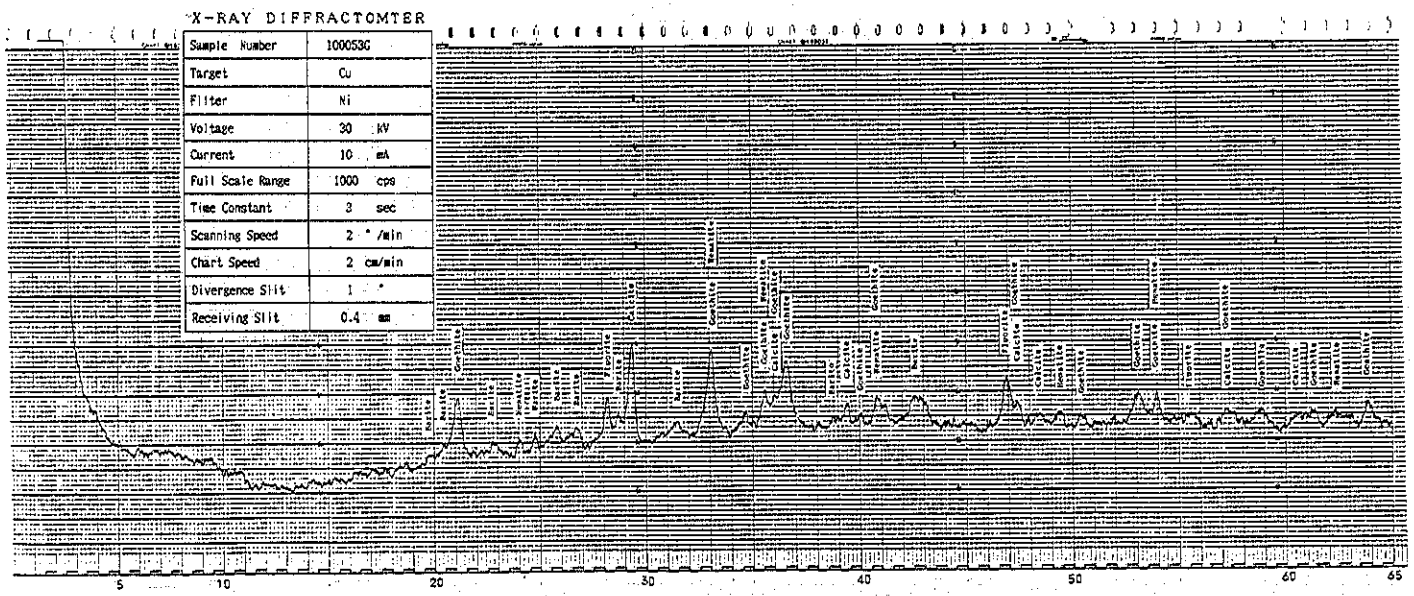
APPENDIX-12. X-ray Diffraction Charts



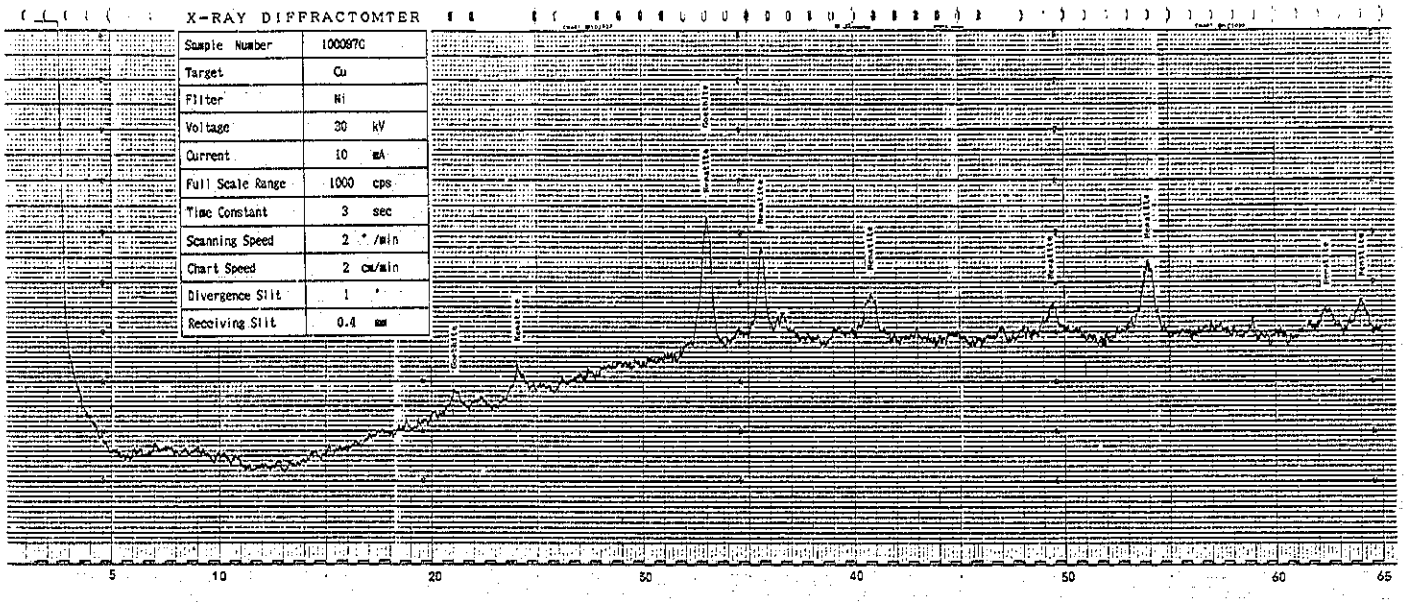


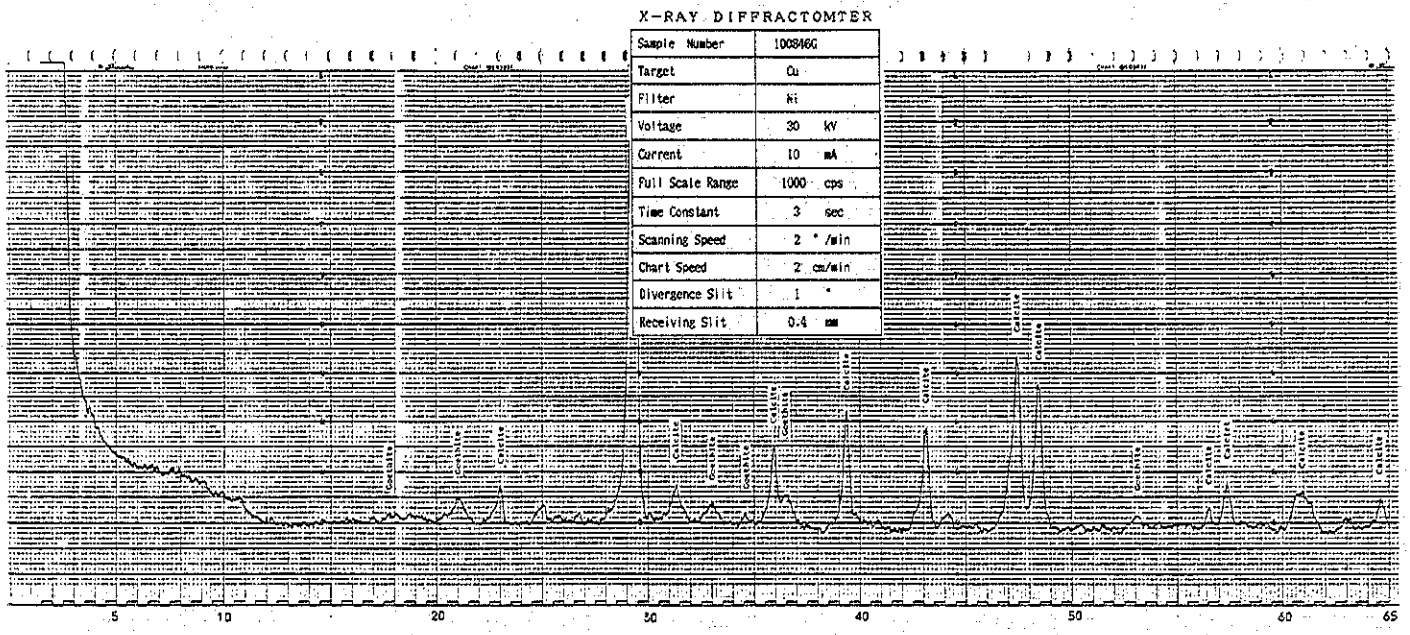
APPENDIX-12. X-ray Diffraction Charts



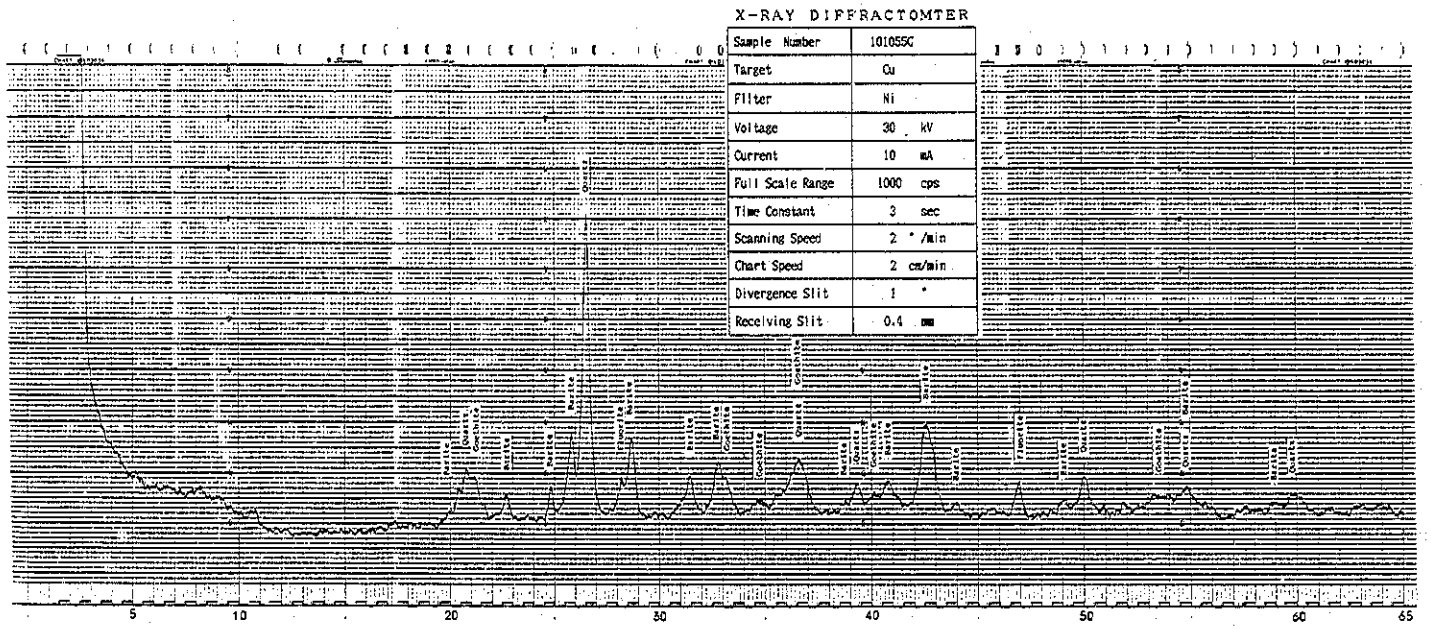


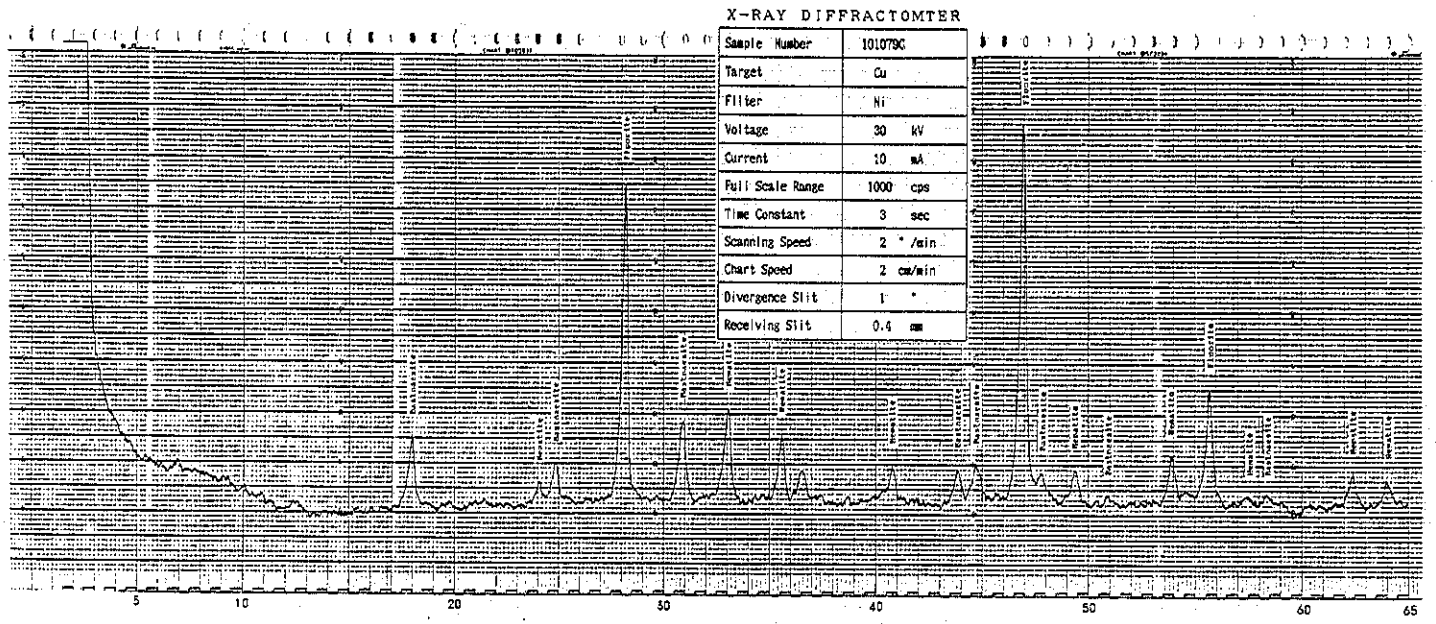
APPENDIX-12. X-ray Diffraction Charts



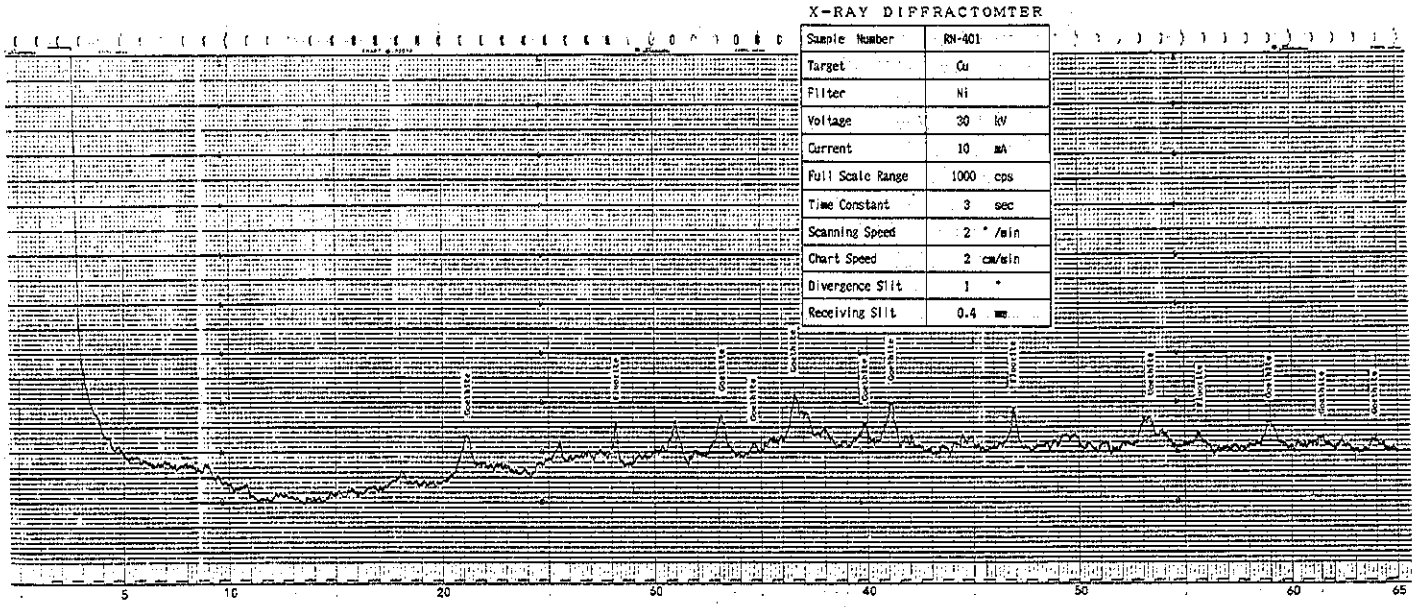


APPENDIX-12. X-ray Diffraction Charts





APPENDIX-12. X-ray Diffraction Charts



APPENDIX-12. X-ray Diffraction Charts

APPENDIX-13. Results of Geochemical Analysis

Geochemical Sample List of Semi-detailed Survey Areas

(Serial Number)

Area	Type Of Sample			Total Number of Samples
	Rock Sample		Soil Sample	
	General	Grid		
Rangwa	1 ∿ 211		1224 ∿ 1230 1247 ∿ 1267	238
South Ruri and North Ruri	212 ∿ 469		1231 ∿ 1246 1268 ∿ 1270	277
Homa Mountain	560 ∿ 1045	470 ∿ 559	1400 ∿ 1404	581
Buru Hill	1441 ∿ 1452	1046 ∿ 1094		61
Sagarume-Nyamgurka	1095 ∿ 1170			76
Legetet Hill	1171 ∿ 1210 1422 ∿ 1440 1453 ∿ 1509			116
Kuge-Lwala	1211 ∿ 1224 1271 ∿ 1307			51
Ugongo-Uyi-Kiyanya-Sokolo	1405 ∿ 1421 1308 ∿ 1384			94
Ngou-Kuwor	1385 ∿ 1399			15

Abbreviations for Rock Type of Geochemical Sample.

AGGL : Agglomerate
ALV : Alvikite
ALVB : Alvikite breccia
CAVN : Calcite vein
CB : Carbonatite
CBB : Carbonatitic breccia
CBLPT : Carbonatitic lapilli tuff
CBTF : Carbonatitic tuff
CGL : Conglomerate
CH : Chert
CLT : Calcareous tuff
FCB : Ferrocarbonatite
FCBB : Ferrocarbonatite breccia
FEN : Fenite
GNS : Gniess
GR : Granite
GRD : Granodiorite
IJ : Ijolite
LMVN : Limestone vein
LPTF : Lapilli tuff
MRHY : Metarhyolite
MTAD : Metaandesite
MTBT : Metabasalt
MTDI : Metadolerite
MTVB : Metavolcanic breccia
MTVL : Metavolcanic rocks
NEP : Nephelinite
ORE : Ore
PEG : Pegmatite
PHN : Phonolite
PXT : Pyroxenite
QP : Quartz porphyry
QZVN : Quartz vein
SBRC : Siliceous breccia
SOIL : Soil
SOV : Sövite
SOVB : Sövite breccia
SS : Sandstone
SYN : Syenite
TF : Tuff
TFBR : Tuff breccia
VLBR : Volcanic breccia

Results of Geochemical Analysis

NOS	SAMPLE NO.	COORDINATE LATITUDE	COORDINATE LONGITUDE	TYPE	ASSAY RESULTS P %	BA PPM	SR PPM	NB PPM	Y PPM	U PPM	TH PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	GD PPM	TB PPM	TM PPM	YB PPM	LU PPM
1	40901E	629.716	9939.838	TFBR	0.352	3400	570	185	37	2	3.0	69	71	25	6.2	1.5	<50	1.4	1	1.1	0.4
2	40902E	629.633	9939.736	LPTF	0.646	2000	270	375	53	1	6.0	95	100	39	11.0	2.9	100	1.4	1	1.6	0.5
3	40903E	629.664	9939.676	LPTF	1.290	2500	800	330	79	9	6.0	130	120	38	11.0	3.0	100	2.6	1	4.9	1.2
4	40904E	629.680	9939.502	TF	1.150	1700	370	175	95	10	3.0	110	98	53	9.9	2.4	<50	1.2	<1	7.5	1.7
5	40905E	629.704	9939.452	TF	0.398	1500	360	185	30	3	2.0	62	54	9	4.5	1.4	<50	2.3	2	1.4	0.6
6	40906E	629.701	9939.369	LPTF	0.707	2720	570	320	110	9	3.0	62	51	10	3.7	1.3	<50	3.3	2	3.1	0.8
7	40907E	629.708	9939.261	LPTF	0.448	2000	320	275	57	4	2.0	61	52	10	4.5	1.4	<50	1.7	3	2.6	0.7
8	40908E	629.707	9939.204	LPTF	0.960	3400	570	155	83	6	5.0	50	41	<5	3.0	1.0	50	1.1	<1	4.9	1.1
9	40909E	629.678	9939.099	LPTF	0.347	2400	390	255	77	5	9.0	98	74	13	16.0	6.3	100	2.5	2	6.1	1.3
10	40910E	629.721	9938.947	LPTF	0.141	2000	130	260	78	5	1.0	38	45	<10	3.2	1.0	<50	1.3	<1	4.5	1.1
11	40911E	629.770	9938.871	LPTF	0.455	1200	300	275	84	4	3.0	96	73	<10	6.4	2.2	<50	3.6	<1	2.6	0.7
12	40912E	629.839	9938.837	LPTF	0.041	2200	196	270	79	2	9.0	130	140	47	12.0	3.1	50	0.9	<1	2.2	0.8
13	40913E	629.888	9938.881	LPTF	0.656	3800	430	165	115	<1	14.0	83	63	39	25.0	7.7	100	3.8	2	3.2	0.7
14	40914E	629.938	9938.912	TF	0.175	1800	210	155	65	2	1.0	34	27	<5	2.5	0.7	<50	0.8	<2	2.4	0.5
15	40915E	630.003	9938.973	TF	0.045	1880	300	150	39	<1	2.0	55	42	<5	2.8	0.7	<50	0.3	<1	2.2	0.6
16	40916E	630.046	9939.034	TF	1.240	2240	300	220	66	1	3.0	53	52	23	3.9	1.9	<50	1.4	<1	3.3	0.4
17	40917E	630.049	9939.115	LPTF	0.454	1640	124	260	96	2	4.0	86	150	57	8.5	2.9	<50	0.9	2	3.9	0.6
18	40918E	630.115	9939.321	LPTF	0.406	2520	140	310	75	2	1.0	46	51	12	2.6	1.5	<50	0.8	<1	1.7	0.3
19	40919E	630.008	9939.466	LPTF	0.280	1700	370	300	51	1	4.0	90	110	50	7.5	3.3	<50	1.6	<1	1.7	0.3
20	40920E	630.257	9939.105	LPTF	0.266	1560	450	190	53	2	4.0	59	88	36	6.0	2.5	<50	0.7	2	1.2	0.2
21	40921E	627.058	9936.305	LPTF	0.400	1300	200	375	44	5	4.0	96	140	66	7.3	3.3	<50	1.8	5	1.6	0.3
22	40922E	627.133	9936.197	LPTF	0.581	1060	400	490	78	<1	5.0	81	120	36	7.4	3.1	<50	1.3	4	5.3	0.8
23	40923E	627.227	9936.029	TF	0.903	2200	330	400	70	1	5.0	100	110	49	5.9	2.7	<50	1.0	2	2.4	0.4
24	40924E	627.323	9935.975	LPTF	0.257	1560	1100	215	36	7	2.0	64	76	11	3.8	2.2	<50	1.1	1	1.3	0.2
25	40925E	627.553	9935.932	LPTF	0.766	1760	240	235	75	<1	2.0	38	47	23	4.1	2.5	<50	1.0	1	2.7	0.3
26	40926E	627.690	9935.855	TF	0.090	1720	210	290	45	5	4.0	64	82	36	3.6	1.9	<50	1.0	2	2.4	0.4
27	40927E	627.927	9935.821	TFBR	0.297	4000	1650	160	55	2	1.0	47	54	15	3.9	2.3	<50	1.1	<1	2.9	0.4
28	40928E	628.112	9935.783	TF	0.337	2600	1450	225	48	<1	2.0	65	72	46	3.9	2.0	<50	0.4	<1	1.6	0.2
29	40929E	628.237	9935.635	CBB	0.053	300	580	63	<5	3	11.0	69	140	62	8.6	2.8	<50	0.5	<1	0.3	<0.1
30	40930E	628.271	9935.609	CBB	0.506	600	960	285	36	2	29.0	280	490	190	28.0	8.4	<50	2.6	<1	2.8	0.3
31	40931E	628.311	9935.533	NEP	0.017	200	1500	125	<5	4	19.0	140	270	110	18.0	5.3	<50	2.4	1	0.4	<0.1
32	40932E	628.377	9935.491	CBB	0.028	220	910	125	<5	3	20.0	140	280	130	19.0	4.7	<50	0.9	1	0.3	0.1
33	40933E	628.377	9935.244	IJ	0.249	280	920	180	30	6	<1.0	50	46	20	3.5	1.7	<50	1.2	1	1.4	0.3
34	40934E	628.007	9938.768	TFBR	0.354	7500	1000	650	84	6	55.0	400	510	140	17.0	4.9	<50	1.2	1	3.1	0.5
35	40935E	628.224	9938.726	TFBR	0.183	8000	1700	110	58	2	41.0	380	510	120	14.0	3.2	<50	1.4	2	2.3	0.4
36	40936E	628.286	9938.831	LPTF	0.300	5500	480	345	61	2	30.0	280	380	120	13.0	3.6	<50	0.9	<1	1.6	0.4
37	40937E	628.299	9938.936	LPTF	0.549	5000	1450	230	66	6	47.0	290	410	100	13.0	4.0	<50	1.3	1	2.0	0.3
38	40938E	628.340	9939.008	ALVB	1.160	17000	1150	400	130	14	74.0	550	790	270	37.0	11.0	<50	3.4	6	4.4	0.6
39	40939E	628.365	9939.037	ALVB	0.766	13400	1400	660	68	12	45.0	330	510	210	29.0	9.1	<50	3.1	<1	2.7	0.5
40	40940E	628.413	9939.029	ALVB	1.270	8500	2300	75	155	16	180.0	910	1600	670	100.0	28.0	100	9.8	6	6.7	0.9
41	40941E	628.469	9939.036	ALV	0.314	3200	1250	180	70	1	38.0	790	1900	1100	140.0	37.0	50	7.0	4	2.8	0.4
42	40942E	628.529	9939.051	ALVB	1.015	4000	1400	420	90	29	20.0	120	160	58	14.0	5.9	<50	2.7	2	5.2	0.6
43	40943E	628.543	9939.041	ALV	0.315	11800	1350	235	70	<1	9.0	63	59	31	6.7	2.4	<50	2.5	2	4.2	0.6
44	40944E	628.781	9938.946	ALVB	0.799	4000	1400	425	90	6	18.0	70	69	53	13.0	5.1	<50	2.8	<1	5.0	0.7
45	40945E	628.817	9938.903	ALV	0.407	3400	2900	250	47	4	27.0	350	670	260	37.0	9.6	<50	2.5	3	4.3	0.5
46	40946E	628.819	9938.809	ALV	0.199	3800	600	520	51	4	37.0	360	590	270	31.0	6.5	<50	1.0	<1	2.4	0.4
47	40947E	628.932	9938.730	ALV	0.304	3400	1300	375	73	2	13.0	91	120	110	28.0	11.0	<50	4.6	<1	3.1	0.5
48	40948E	629.007	9938.676	ALV	1.360	3400	2850	1470	54	48	270.0	320	730	430	2.0	14.0	<50	5.1	<1	2.8	0.4
49	40949E	629.052	9938.621	VLBR	0.194	2000	1000	240	38	8	29.0	300	590	300	32.0	8.0	<50	3.4	<1	1.3	0.4
50	40950E	629.126	9938.572	TF	0.206	1600	230	335	97	6	16.0	120	150	110	19.0	6.9	<50	3.9	<1	4.4	0.7

Results of Geochemical Analysis

NOS	SAMPLE NO.	COORDINATE LATITUDE	LONGITUDE	TYPE	ASSAY RESULTS P %	BA PPM	SR PPM	NB PPM	Y PPM	U PPM	TH PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	GD PPM	TB PPM	TM PPM	YB PPM	LU PPM
51	40951E	629.242	9938.490	TF	0.103	960	80	280	55	6	2.0	43	46	14	3.2	1.1	<50	1.5	<1	2.4	0.5
52	40952E	629.225	9938.388	TF	0.153	1200	100	285	87	2	10.0	95	130	58	7.7	2.1	<50	0.9	<1	2.5	0.5
53	40953E	628.569	9940.173	ALV	0.278	1400	1000	170	46	<1	4.0	57	76	27	5.6	1.8	<50	1.6	<1	1.6	0.4
54	40954E	628.612	9940.130	ALV	0.250	1600	1500	175	43	<1	2.0	63	68	28	4.8	1.7	<50	1.3	<1	1.8	0.4
55	40955E	628.658	9940.059	ALV	0.399	1000	780	155	49	<1	4.0	50	63	34	5.4	1.6	<50	1.5	<1	1.5	0.3
56	40956E	628.733	9939.974	ALV	0.390	1100	220	340	47	<1	4.0	120	190	81	12.0	3.2	<50	2.0	<1	1.6	0.5
57	40957E	628.818	9939.909	ALV	0.185	1800	650	155	36	7	5.0	82	130	49	8.8	3.3	<50	0.7	<1	1.3	0.3
58	40958E	628.865	9939.830	TF	0.569	2050	500	240	50	4	8.0	100	120	70	8.6	3.2	<50	1.8	<1	2.8	0.5
59	40959E	628.932	9939.847	ALV	1.170	1040	350	240	64	4	4.0	82	94	30	6.2	2.1	<50	1.9	<1	1.8	0.3
60	40960E	629.008	9939.781	ALV	0.793	3800	410	355	62	13	7.0	55	51	16	3.2	1.9	<50	1.5	<1	3.2	0.5
61	40961E	629.052	9939.654	ALV	0.839	2000	470	225	62	7	7.0	82	89	29	5.2	2.5	<50	1.4	2	3.6	0.7
62	40962E	629.126	9939.540	ALV	0.974	1700	310	340	91	16	4.0	94	120	58	10.0	3.7	<50	1.8	4	5.0	1.2
63	40963E	629.159	9939.434	ALV	0.346	5200	720	150	31	<1	1.0	49	40	5	2.1	1.2	<50	1.0	1	0.7	0.2
64	40964E	629.183	9939.357	ALV	0.312	18000	1600	15	25	4	1.0	49	48	16	3.2	1.7	<50	1.0	<1	1.4	0.4
65	40965E	629.279	9939.246	TF	1.670	2300	850	355	170	2	10.0	310	290	86	14.0	4.1	<50	1.6	<1	1.8	0.4
66	40966E	629.274	9939.176	ALV	0.454	3600	600	120	37	33	16.0	50	45	24	1.6	1.8	<50	1.6	6	13.0	2.0
67	40967E	629.339	9939.105	ALV	0.194	5500	900	145	47	<1	2.0	57	60	24	3.9	1.6	<50	1.3	2	1.8	0.4
68	40968E	629.408	9938.995	ALV	0.362	2720	470	145	46	1	1.0	50	46	13	2.9	1.5	<50	1.0	1	1.4	0.4
69	40969E	629.439	9938.959	ALV	0.252	2800	870	145	44	<1	2.0	62	56	21	3.5	1.6	<50	1.1	2	1.4	0.4
70	40970E	629.470	9938.910	ALV	0.318	1300	1000	110	33	<1	2.0	65	62	21	4.3	1.6	<50	1.1	<1	1.3	0.4
71	40971E	629.499	9938.843	ALV	0.426	2400	550	165	45	1	2.0	65	67	14	5.9	2.2	<50	1.2	<1	1.3	0.4
72	40972E	629.524	9938.783	ALV	0.654	1200	650	225	48	3	3.0	64	65	<5	4.9	2.4	<50	1.4	1	1.8	0.5
73	40973E	630.318	9937.617	ALV	0.492	2400	600	220	59	2	2.0	62	60	15	3.6	1.5	<50	1.2	<1	2.0	0.4
74	40974E	630.219	9937.647	ALV	0.105	2520	320	190	14	<1	<1.0	12	10	<5	0.6	0.6	<50	0.6	<1	0.1	0.2
75	40975E	630.116	9937.715	ALV	0.131	2200	500	170	47	1	5.0	80	98	26	6.7	2.3	<50	1.1	<1	1.5	0.3
76	40976E	630.081	9937.756	ALV	1.270	3500	640	345	96	6	6.0	100	130	8	5.1	2.4	<50	2.2	2	4.2	0.6
77	40977E	630.055	9937.813	TF	0.415	2200	200	330	79	3	5.0	100	100	14	7.7	3.2	<50	1.8	<1	1.7	0.3
78	40978E	629.999	9937.842	ALV	0.614	3400	330	250	51	5	2.0	62	60	6	3.7	2.2	<50	0.5	1	1.1	0.1
79	40979E	630.013	9937.906	ALV	0.128	2720	770	185	33	1	2.0	86	48	12	6.0	2.5	<50	0.5	1	0.8	0.1
80	40980E	629.927	9937.962	ALV	0.271	2800	670	190	52	1	4.0	86	60	9	6.2	2.8	<50	1.2	<1	1.2	0.2
81	40981E	629.896	9938.013	ALV	1.470	2800	1150	185	125	3	28.0	57	60	<5	5.1	2.3	<50	2.0	<2	6.0	0.9
82	40982E	629.761	9938.088	ALV	1.200	2500	340	160	73	2	<1.0	52	48	<5	2.5	1.1	<50	0.5	<1	2.6	0.4
83	40983E	629.738	9938.108	ALV	0.402	2200	240	195	83	2	2.0	64	60	5	3.3	0.9	<50	<0.1	2	1.7	0.2
84	40984E	629.704	9938.141	ALV	0.673	2100	430	155	61	1	<3.0	49	53	<5	2.7	1.0	<50	1.0	<2	2.0	0.3
85	40985E	629.649	9938.203	ALV	0.252	3600	530	140	43	1	<1.0	56	54	<5	3.2	0.5	<50	0.6	<1	1.6	0.2
86	40986E	629.702	9938.237	ALV	0.156	3040	530	145	47	<1	1.0	56	60	<5	3.9	0.7	<50	<0.1	<1	1.6	0.2
87	40987E	627.206	9936.544	TF	0.698	2400	350	290	65	<1	3.0	88	57	5	4.8	1.8	<50	1.0	<1	1.5	0.2
88	40988E	627.234	9936.530	ALV	0.430	2000	980	250	45	<1	2.0	72	84	6	5.0	1.9	<50	0.3	<1	1.5	0.2
89	40989E	627.264	9936.520	ALV	0.580	2300	1180	265	41	<1	2.0	65	59	<5	3.2	0.7	<50	1.2	<2	1.4	0.2
90	40990E	627.313	9936.523	ALV	0.348	1400	1200	215	37	<1	2.0	56	60	<5	4.1	1.0	<50	1.6	<2	1.0	0.2
91	40991E	627.416	9936.437	ALV	0.233	1040	700	175	39	<1	4.0	53	91	<30	4.4	1.3	<50	1.3	<1	0.8	0.2
92	40992E	627.524	9936.442	ALV	0.210	1800	1200	170	45	1	5.0	69	92	22	4.9	0.9	<50	1.0	<2	1.0	0.2
93	40993E	627.609	9936.426	ALV	0.207	1680	1150	145	49	1	2.0	63	94	67	3.8	0.6	50	1.1	<2	1.1	0.2
94	40994E	627.657	9936.402	ALV	0.093	1560	1500	140	44	2	2.0	57	69	17	2.9	1.7	<100	1.2	<1	1.2	0.5
95	40995E	627.698	9936.379	ALV	0.077	1560	1450	145	51	2	1.0	57	69	15	2.9	1.7	<200	1.2	<1	1.6	0.8
96	40996E	627.726	9936.403	ALV	0.224	2080	1400	140	44	1	2.0	73	77	25	4.2	0.7	<50	1.0	<1	1.1	0.1
97	40997E	627.914	9936.369	ALV	0.165	2560	1450	140	53	<1	2.0	70	73	<20	4.1	0.8	<50	0.5	<3	1.2	0.1
98	40998E	628.098	9936.398	ALV	0.071	2120	1400	150	51	3	1.0	73	88	24	4.2	1.1	<50	0.1	<1	1.4	0.1
99	40999E	628.098	9936.451	ALV	0.059	2360	1250	145	45	2	<1.0	58	52	20	3.1	0.7	<50	0.9	2	1.8	0.1
100	41000E	628.147	9936.475	ALV	0.075	3200	1350	155	44	5	<1.0	47	57	8	2.2	1.6	<50	1.1	<1	1.6	0.6

Results of Geochemical Analysis

NOS	SAMPLE NO.	COORDINATE LATITUDE	COORDINATE LONGITUDE	TYPE	ASSAY RESULTS P %	BA PPM	SR PPM	NB PPM	Y PPM	U PPM	TH PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	GD PPM	TB PPM	TM PPM	YB PPM	LU PPM
101	RO-01	628.204	9938.009	ALV	0.950	3600	840	410	62	6	19.0	150	270	100	16.0	6.8	<50	2.0	<2	2.4	0.1
102	RO-02	628.299	9937.922	ALV	1.020	3400	2550	170	91	1	10.0	470	1200	590	79.0	20.0	<50	6.3	2	4.9	0.8
103	RO-03	628.337	9937.842	ALV	0.041	1280	2800	325	35	2	8.0	632	1610	630	80.0	19.0	<50	3.7	4	1.4	0.7
104	RO-04	628.376	9937.809	ALV	0.270	19000	3550	150	105	2	32.0	1435	2470	630	63.0	17.2	<100	5.4	4	1.7	0.8
105	RO-05	628.430	9937.658	ALV	0.215	18000	9750	75	94	<1	32.0	1150	1950	510	57.0	14.9	<50	4.5	4	3.8	0.7
106	RO-06	628.421	9937.595	NEP	0.055	6000	340	225	63	<1	16.0	140	180	55	9.7	1.4	<50	0.1	<1	1.2	0.1
107	RO-07	628.426	9937.531	ALV	0.872	3520	2000	375	58	9	29.0	340	480	210	29.0	7.0	<100	1.6	<1	2.5	0.4
108	RO-08	628.453	9937.480	ALV	0.448	3560	1200	735	57	<1	28.0	340	550	230	33.0	6.9	<100	2.2	<1	2.0	0.3
109	RO-09	628.702	9937.414	ALV	0.911	4600	2400	130	78	16	25.0	280	390	210	29.0	8.4	<100	2.9	2	3.7	0.4
110	RO-10	628.753	9937.370	ALV	0.696	1900	460	255	46	4	4.0	61	56	<10	5.1	1.4	<50	1.0	<1	2.2	0.3
111	RO-11	628.875	9937.197	ALV	0.328	3240	260	260	76	1	6.0	72	67	<10	6.9	2.8	<50	1.2	<1	2.6	0.4
112	RO-12	628.909	9937.399	ALV	1.005	1760	320	455	82	1	5.0	69	74	<10	5.6	3.0	<50	0.9	<2	2.9	0.4
113	RO-13	628.964	9937.781	CBB	0.638	2000	640	225	45	2	6.0	68	56	10	5.5	2.6	<50	1.0	<1	2.2	0.4
114	RO-14	628.956	9937.970	SOV	1.270	720	3750	21	49	7	22.0	340	550	280	36.0	9.3	<50	2.5	<2	2.1	0.2
115	RO-15	628.929	9938.052	SOV	1.580	1320	3850	105	49	<1	21.0	290	610	260	44.0	13.0	<50	3.5	<1	3.0	0.4
116	RO-16	628.933	9938.131	ALVB	0.847	3280	3150	340	43	15	19.0	310	440	100	22.0	5.6	<50	3.9	1	2.4	0.2
117	RO-17	628.778	9938.371	ALV	1.390	1300	890	360	125	26	21.0	70	49	67	15.0	6.3	<50	3.1	6	7.4	0.8
118	RO-18	628.683	9938.439	ALV	2.76	9500	1650	230	580	4	140.0	310	420	210	50.0	24.0	<50	17.0	8	26.0	3.2
119	RO-19	628.488	9938.470	ALVB	0.524	15000	6100	115	160	5	69.0	1320	1900	530	69.0	18.4	<100	6.3	4	5.7	1.2
120	RO-20	628.027	9937.994	ALV	0.438	680	1700	680	16	3	10.0	210	390	180	23.0	6.1	<100	1.0	<2	0.5	<0.1
121	RO-21	628.058	9937.635	ALV	0.985	4500	1200	350	73	12	13.0	170	180	130	13.0	3.1	<50	2.8	<2	3.9	0.6
122	RO-22	628.206	9937.531	ALV	0.378	17000	1430	735	125	<4	183.0	1610	2530	1205	137.0	32.7	<100	8.0	<1	8.0	2.0
123	RO-23	628.200	9937.422	TF	0.295	3600	1000	155	60	4	2.0	66	70	<20	4.9	1.7	<50	1.1	<1	1.4	0.2
124	RO-24	628.091	9937.230	ALV	0.604	5000	760	395	62	3	16.0	250	330	120	20.0	5.2	<50	1.8	<3	2.2	0.3
125	RO-25	628.060	9937.139	ALVB	0.463	3920	910	345	64	1	16.0	310	410	130	19.0	4.2	<50	3.3	<1	2.6	0.5
126	RO-26	628.051	9936.954	ALV	0.196	2600	1300	135	47	1	1.0	69	68	<30	4.2	1.4	<50	0.8	2	1.5	0.2
127	RO-27	628.160	9936.813	TF	0.291	8300	1450	140	49	<1	1.0	54	50	23	3.7	1.1	<50	0.2	<1	1.4	0.3
128	RO-28	628.251	9936.706	LPTF	0.399	2200	340	320	74	<1	2.0	73	72	29	5.8	1.9	<50	1.6	<1	1.6	0.2
129	RO-29	628.289	9936.610	TF	0.401	2600	1100	170	61	<1	2.0	65	67	<20	5.2	1.1	<50	1.0	<4	1.2	0.3
130	RO-30	628.376	9936.541	TF	0.429	4000	1700	155	32	1	1.0	62	38	24	2.2	0.9	<50	0.2	<1	1.4	0.2
131	RO-31	628.430	9936.416	TF	0.046	1800	1150	140	45	5	1.0	50	53	25	2.0	15.0	100	1.7	<1	1.3	0.5
132	RO-32	628.479	9936.304	LPTF	0.059	1000	900	150	43	2	1.0	47	54	130	3.6	1.8	<100	1.4	<1	1.6	0.7
133	RO-33	628.566	9936.195	NEP	0.013	2400	520	180	39	5	32.0	138	207	75	9.2	2.5	<100	1.4	<1	0.8	0.4
134	RO-34	628.120	9938.024	ALV	0.303	680	2150	295	31	3	16.0	160	310	170	18.0	3.8	<50	0.8	<1	2.8	0.4
135	RW-01	630.649	9937.007	TF	0.080	2080	270	360	67	6	5.0	100	130	98	9.0	3.6	<50	0.8	<1	2.0	0.3
136	RW-02	630.262	9937.061	LPTF	0.310	2000	530	240	48	1	4.0	68	89	67	6.4	2.1	<50	1.3	<1	1.7	0.3
137	RW-03	630.143	9936.970	TF	0.183	1680	620	175	45	1	3.0	68	79	38	5.3	1.1	<50	1.4	3	1.2	0.2
138	RW-04	629.889	9936.970	LPTF	0.216	1320	400	145	37	1	4.0	79	130	85	7.7	1.8	<50	0.7	2	1.0	0.2
139	RW-05	629.891	9936.901	CBB	0.273	1800	430	160	54	<1	4.0	61	77	39	6.1	2.3	<50	1.1	<1	0.9	0.2
140	RW-06	629.534	9936.583	TF	0.109	1720	1350	150	50	<1	1.0	54	46	23	3.1	0.7	<100	0.9	<1	1.4	0.3
141	RW-07	629.416	9936.463	TF	0.101	1200	1350	150	51	6	2.0	54	57	<20	2.9	1.6	<100	1.2	<1	1.6	0.6
142	RW-08	629.229	9936.386	TF	0.044	2040	1350	135	47	2	<1.0	52	43	<20	2.6	1.6	<100	1.5	<1	1.9	0.2
143	RW-09	629.093	9936.297	LPTF	0.201	1840	1200	150	49	2	2.0	57	50	11	3.2	0.8	<50	0.3	<2	1.0	0.1
144	RW-10	628.929	9936.209	TF	0.062	2080	1350	145	44	<4	<1.0	53	49	<20	2.8	1.5	<100	1.1	<1	1.2	0.6
145	RW-11	628.812	9936.129	LPTF	0.079	1320	1250	145	40	1	1.0	51	49	<30	2.9	1.6	<100	1.6	<1	1.3	0.5
146	RW-12	628.664	9936.045	LPTF	0.046	3200	1250	145	46	2	<1.0	46	36	14	2.4	1.5	100	0.8	<1	1.6	0.3
147	RW-13	626.534	9938.378	CBB	0.185	1360	680	165	35	<1	4.0	82	110	96	8.3	2.2	<50	1.0	1	1.0	0.2
148	RW-14	626.689	9938.410	CBB	0.474	920	580	205	43	3	8.0	69	92	39	7.0	2.5	<100	0.4	2	1.6	0.2
149	RW-15	626.672	9938.294	ALV	1.990	1760	2900	63	130	50	20.0	310	450	320	34.0	11.0	<50	4.6	<4	8.4	1.0
150	RW-16	626.736	9938.253	CBLPT	0.289	1600	1050	150	54	2	1.0	52	53	37	3.5	1.1	<100	1.1	<1	1.4	0.3

Results of Geochemical Analysis

NOS	SAMPLE NO.	COORDINATE		TYPE	ASSAY RESULTS																		
		LATITUDE	LONGITUDE		P %	BA PPM	SR PPM	NB PPM	Y PPM	U PPM	TH PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	GD PPM	TB PPM	TM PPM	YB PPM	U PPM
151	RW-17	626.874	9938.144	CBLPT	0.443	1200	1250	145	36	1	2.0	65	71	12	4.1	1.0	<50	9.3	1	1.5	0.2
152	RW-18	627.080	9938.051	CBLPT	0.202	1360	1350	155	39	2	6.0	85	110	39	7.2	1.7	<50	9.0	3	1.4	0.2
153	RN-01	627.547	9938.055	ALV	0.026	17000	2000	145	145	<1	38.0	2000	3100	1100	140.0	40.0	150	18.0	5	5.4	0.5
154	RN-02	627.360	9938.031	ALV	0.213	18000	540	715	105	4	210.0	750	1100	460	60.0	17.0	200	11.0	4	4.0	0.8
155	RN-03	627.302	9938.098	ALV	0.224	5300	1300	275	60	2	42.0	250	360	120	16.0	3.0	<50	10.0	2	2.0	0.3
156	RN-04	627.137	9938.004	ALVB	0.518	4700	1250	305	57	1	9.0	130	190	94	12.0	3.0	<50	9.6	<2	2.3	0.2
157	RN-05	627.285	9938.377	ALV	0.531	5800	860	440	54	1	28.0	320	410	120	15.0	4.3	<50	8.5	<1	2.8	0.3
158	RN-06	627.276	9938.541	ALV	0.260	7500	800	215	47	3	34.0	210	290	110	12.0	4.9	<50	9.3	<2	2.0	0.2
159	RN-07	627.192	9938.706	ALVB	0.361	5500	520	410	40	1	11.0	170	240	89	12.0	3.0	<50	9.4	<1	1.5	0.2
160	RN-08	627.140	9938.787	LPTF	1.830	5500	1500	400	125	2	1.0	16	23	<5	0.6	1.5	<50	8.7	<1	0.4	<0.1
161	RN-09	627.059	9938.922	TF	0.850	1440	350	390	70	13	8.0	93	120	21	8.8	2.5	<50	1.0	5	3.3	0.3
162	RN-10	627.058	9939.150	ALV	0.448	1200	350	285	71	<1	4.0	76	81	10	5.7	1.5	50	0.1	6	2.0	0.3
163	RN-11	627.156	9937.744	ALV	1.415	960	500	380	125	<1	3.0	53	52	15	3.9	0.7	<50	0.6	<1	1.5	0.2
164	RN-12	627.177	9937.639	ALV	0.383	2640	960	195	45	16	18.0	77	100	48	9.2	7.3	<50	4.6	<1	2.8	0.9
165	RN-13	627.258	9937.565	ALVB	0.340	2700	1100	160	51	19	18.0	63	59	34	9.8	7.1	<50	5.5	<1	6.0	1.3
166	RN-14	627.364	9937.526	ALVB	2.84	3200	2200	495	85	300	340.0	620	673	420	31.0	9.1	<50	10.0	<1	26.0	2.6
167	RN-15	627.427	9937.449	ALV	1.590	3100	1030	460	110	42	22.0	52	52	<10	3.6	1.5	<50	9.6	2	8.3	1.0
168	RN-16	627.496	9937.378	ALV	1.250	5800	1730	360	63	12	13.0	240	270	110	11.0	3.1	<50	8.7	<1	4.7	0.4
169	RN-17	627.566	9937.318	ALVB	0.628	4000	1400	435	44	6	11.0	310	440	160	20.0	4.4	<50	8.3	<1	1.6	0.2
170	RN-18	627.644	9937.253	ALVB	0.814	2400	1750	390	57	12	22.0	420	470	210	21.0	5.9	<50	9.1	2	4.0	0.5
171	RN-19	627.688	9937.174	ALVB	0.698	4000	2250	435	43	7	22.0	300	400	130	18.0	3.8	<50	8.5	4	2.3	0.3
172	RN-20	627.756	9937.106	ALVB	0.700	1800	2350	450	37	5	11.0	270	410	130	18.0	3.8	<50	8.2	5	2.1	0.3
173	RN-21	627.845	9937.042	ALVB	0.718	2320	910	420	56	10	10.0	150	190	74	11.0	3.7	<50	9.2	<1	2.3	0.2
174	RN-22	627.933	9936.988	ALVB	0.750	2200	1350	400	50	7	11.0	210	260	100	12.0	3.7	<50	9.1	4	2.3	0.3
175	RN-23	627.967	9937.114	ALVB	0.851	4800	1550	435	51	12	17.0	280	350	120	17.0	5.7	<50	8.1	<1	3.4	0.4
176	RN-24	628.058	9937.211	SOVB	0.311	2700	590	385	51	<1	7.0	100	150	69	9.8	2.2	<50	8.3	<1	2.4	0.3
177	RN-25	628.050	9937.266	ALVB	0.844	4500	420	575	48	10	16.0	100	150	63	8.4	3.4	<50	9.3	<1	2.0	0.2
178	RN-26	628.051	9937.343	FCB	0.168	15000	1900	94	70	2	50.0	1600	2100	640	77.0	23.0	100	12.0	<1	1.6	0.2
179	RN-27	628.043	9937.393	ALV	0.183	27000	1050	100	55	<1	66.0	2300	2900	920	91.0	20.0	<50	7.0	<3	3.9	0.3
180	RN-28	630.718	9936.368	GRD	0.094	2320	170	46	21	2	7.0	80	130	60	7.5	1.6	<50	8.1	2	0.5	<0.1
181	RN-29	630.591	9936.241	GRD	0.040	1760	210	29	19	<3	8.0	110	158	38	5.5	1.4	<50	8.4	<1	0.2	0.1
182	RN-30	630.523	9936.131	GRD	0.011	240	30	28	24	<1	3.0	17	28	24	1.4	0.9	<50	7.8	1	0.3	0.1
183	RN-31	630.409	9936.045	SYN	0.051	1800	210	55	22	1	7.0	51	85	23	3.7	1.1	<50	8.6	<1	0.8	0.1
184	RN-32	630.269	9936.063	IJ	0.126	1480	230	110	24	1	2.0	23	50	<10	4.0	2.1	<50	8.0	1	1.0	0.2
185	RN-33	630.057	9936.158	IJ	0.641	280	950	192	44	1	2.0	130	164	48	15.0	4.6	<50	9.7	5	3.2	0.5
186	RN-34	629.833	9936.135	IJ	0.024	360	1550	200	16	3	14.0	220	390	100	26.0	6.8	<50	10.0	<1	0.6	<0.1
187	RN-35	629.633	9936.106	ALV	0.319	3800	720	275	48	<1	1.0	40	32	9	1.1	3.8	<50	3.7	1	0.4	0.1
188	RN-36	629.481	9936.069	IJ	0.028	240	1600	160	12	1	12.0	160	320	90	20.0	7.9	<50	4.7	2	0.7	0.2
189	RN-37	629.329	9936.053	IJ	0.692	2720	1650	145	56	3	1.0	80	67	20	5.8	0.4	<50	4.6	<1	1.2	0.3
190	RN-38	629.190	9936.021	TF	0.191	1320	750	165	36	<1	3.0	72	80	<5	5.5	5.2	<50	4.0	1	1.2	0.2
191	RN-39	629.028	9936.018	TF	0.323	2100	650	145	39	<1	3.0	62	96	24	5.0	5.0	<50	3.8	1	1.2	0.2
192	RN-40	628.953	9936.135	LPTF	0.186	1920	1550	145	43	6	1.0	65	65	15	3.3	4.6	<50	4.2	<2	1.0	0.3
193	RN-41	629.974	9935.639	IJ	0.400	280	650	275	26	<1	2.0	41	70	<10	5.6	5.2	<50	4.0	<1	1.8	0.3
194	RN-42	629.826	9935.650	IJ	0.159	1080	1550	250	39	9	4.0	180	270	61	17.0	8.7	<50	5.2	3	1.4	0.1
195	RN-43	629.682	9935.629	IJ	0.026	280	1500	205	19	9	11.0	220	390	100	25.0	9.6	<50	5.1	1	0.2	<0.1
196	RN-44	629.556	9935.605	IJ	0.359	360	2000	295	44	8	3.0	190	140	36	14.0	3.5	<50	4.1	<4	1.9	0.1
197	RN-45	629.416	9935.556	IJ	0.582	520	1850	195	38	4	3.0	190	170	50	17.0	4.3	<50	2.7	<3	1.7	0.1
198	RN-46	629.294	9935.515	IJ	0.403	2400	1020	28	40	<1	<1.0	26	21	14	2.0	0.2	<50	0.5	2	0.6	0.1
199	RN-47	629.155	9935.488	IJ	0.030	240	1600	200	18	2	22.0	240	360	140	32.0	5.9	<50	2.5	<1	<0.1	<0.1
200	RN-48	629.052	9935.530	IJ	0.025	280	1700	245	22	4	94.0	440	810	340	62.0	11.0	50	3.7	4	<0.1	0.1

Results of Geochemical Analysis

NOS	SAMPLE NO.	COORDINATE LATITUDE	LONGITUDE	TYPE	ASSAY RESULTS P %	BA PPM	SR PPM	NB PPM	Y PPM	U PPM	TH PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	GD PPM	TB PPM	TM PPM	YB PPM	LU PPM
201	RN-49	628.926	9935.594	IJ	0.360	720	1750	235	37	5	6.0	180	180	46	15.0	3.1	<50	2.3	3	1.1	0.1
202	RN-50	628.885	9935.712	IJ	0.060	340	1650	45	6	<1	5.0	64	82	32	7.2	1.3	<50	1.5	<1	0.3	<0.1
203	RN-51	628.821	9935.816	TF	0.040	2400	1800	140	46	6	1.0	66	45	<15	3.4	0.6	<50	0.2	<1	2.1	0.3
204	RN-52	628.700	9935.911	LPTF	0.088	3200	1250	145	47	2	<1.0	44	29	8	2.2	0.6	<50	1.3	<1	1.8	0.2
205	RN-53	629.166	9935.335	IJ	0.445	1400	1700	77	32	2	<1.0	44	28	9	2.8	0.3	<50	2.3	<1	0.7	<0.1
206	RN-54	629.272	9935.232	IJ	0.492	2200	1250	87	45	1	<1.0	54	33	12	3.2	0.1	<50	<0.1	<1	0.7	<0.1
207	RN-55	629.320	9935.141	IJ	0.605	1600	1750	160	43	2	<1.0	100	74	18	7.8	2.6	<50	3.0	<1	0.8	0.2
208	RN-56	627.515	9938.006	ALVB	0.798	10000	650	675	130	<1	72.0	260	290	99	29.0	6.7	<50	4.0	<1	6.8	1.1
209	RN-57	627.465	9938.029	ALVB	0.284	7600	1150	695	96	<1	220.0	860	940	320	45.0	8.7	<50	3.3	<1	5.1	1.0
210	RN-58	627.235	9938.628	ALV	0.447	4700	1150	490	67	18	43.0	310	330	100	18.0	3.5	<50	1.6	1	3.2	0.3
211	RN-59	627.172	9938.741	SOVB	0.938	3800	1100	910	95	10	26.0	200	200	63	16.0	4.2	<50	2.1	<1	3.9	0.6
212	99501G	653.457	9939.322	MTBT	0.028	230	144	<5	14	<1	<1.0	4	10	5	2.6	1.4	<150	1.4	<1	3.3	1.1
213	99502G	653.340	9939.268	FCB	0.040	11750	1445	195	240	4	240.0	2800	3400	620	120.0	30.0	<100	9.3	6	18.0	2.1
214	99503G	653.206	9939.228	FCB	0.252	20200	2190	240	410	<6	530.0	5790	8800	600	190.0	48.0	<200	14.0	6	25.0	3.0
215	99504G	653.110	9939.189	MTBT	0.026	530	154	6	20	<1	11.0	130	170	34	7.6	2.6	<200	1.4	1	3.0	1.1
216	99505G	652.980	9939.141	FCB	0.682	32600	2920	54	660	<4	570.0	8830	12500	1200	240	61.0	<300	19.0	13	35.0	3.8
217	99506G	652.903	9939.102	FCB	0.030	5580	322	235	160	<1	310.0	660	1300	420	91.0	25.0	<100	9.9	5	9.7	1.7
218	99507G	652.810	9939.062	ALVB	0.022	4430	440	350	40	3	110.0	380	580	140	35.0	9.0	<150	3.0	2	5.7	1.1
219	99508G	652.686	9938.997	ALV	0.567	3050	3750	685	230	<1	130.0	1300	2400	620	130.0	36.0	<100	10.0	5	15.0	1.9
220	99509G	652.612	9938.925	ALV	0.423	840	3270	835	87	<1	31.0	680	1200	230	65.0	18.0	<50	4.3	2	7.3	1.2
221	99510G	652.549	9938.886	PHN	0.021	490	626	585	37	13	51.0	81	130	40	8.1	3.0	<100	1.4	1	2.5	0.7
222	99511G	652.372	9938.788	PHN	0.009	420	545	520	34	11	39.0	38	56	15	3.1	1.6	<200	0.4	1	2.6	0.7
223	99512G	652.209	9938.783	ALVB	0.034	2310	1520	175	74	1	18.0	82	120	37	11.0	3.9	<100	2.3	2	4.8	1.0
224	99513G	652.086	9938.853	ALV	0.204	790	1625	120	110	9	42.0	61	86	23	6.5	2.4	50	1.3	<1	3.9	0.8
225	99514G	651.957	9938.918	FCB	0.025	4090	2140	115	145	6	430.0	740	1400	270	81.0	25.0	<50	6.6	3	19.0	1.8
226	99515G	651.870	9938.965	FCB	0.878	11900	2430	9	155	6	63.0	3800	3500	400	49.0	15.0	<100	5.3	5	14.0	1.8
227	99516G	651.805	9939.146	PHN	0.060	1130	1300	325	60	14	47.0	150	290	86	9.2	4.9	<200	2.3	<1	2.5	0.7
228	99517G	651.877	9939.317	PHN	0.103	1970	1445	310	61	14	40.0	390	580	130	10.0	6.0	<150	1.9	1	1.8	0.7
229	99518G	651.991	9939.488	FCBB	0.487	2960	3890	98	115	3	43.0	710	1300	390	41.0	16.0	<50	5.0	1	4.7	1.3
230	99519G	652.091	9939.417	PHN	0.066	1560	2320	295	48	11	35.0	160	310	80	9.6	5.2	<200	2.1	1	2.2	0.6
231	99520G	652.322	9939.382	ALV	0.222	700	4190	69	68	1	11.0	460	1200	420	50.0	18.0	<50	5.0	2	3.0	0.8
232	99521G	652.460	9939.366	PHN	0.543	820	5610	770	125	3	16.0	940	2300	760	90.0	30.0	<100	8.2	3	3.8	0.9
233	99522G	652.609	9939.498	PHN	0.071	700	1410	380	54	12	37.0	120	280	49	11.0	5.7	<200	2.3	1	2.2	0.6
234	99523G	652.689	9939.534	IJ	0.011	750	1030	330	55	8	36.0	61	140	54	5.9	3.2	<100	1.7	1	2.4	0.6
235	99524G	652.744	9939.621	PHN	0.022	590	957	335	50	13	38.0	44	100	34	4.1	0.8	<200	1.7	1	2.0	0.6
236	99525G	652.905	9939.586	IJ	0.014	750	892	325	70	5	99.0	390	950	340	45.0	17.0	<100	5.8	2	5.9	1.4
237	99526G	651.742	9942.363	CBB	0.050	4030	1245	110	44	4	21.0	200	320	120	14.0	6.0	<50	2.4	1	2.1	0.8
238	99527G	651.773	9942.273	ALV	0.040	3550	2310	165	59	2	18.0	600	1500	520	63.0	19.0	50	5.0	2	2.6	0.9
239	99528G	651.969	9941.990	ALV	2.77	2510	6020	145	190	28	14.0	310	710	240	35.0	13.0	<50	5.0	3	11.0	1.8
240	99529G	651.884	9941.842	ALV	0.586	890	3750	715	70	4	18.0	470	1000	340	37.0	14.0	<50	3.8	1	3.9	1.1
241	99530G	651.882	9941.698	ALV	0.129	650	3050	460	52	30	49.0	280	500	220	23.0	9.8	<50	2.8	1	3.3	0.8
242	99531G	651.762	9941.951	ALV	0.167	650	2060	43	49	1	9.0	260	560	170	24.0	8.4	<50	2.6	<1	2.8	0.6
243	99532G	651.686	9941.933	ALV	0.136	680	3040	53	65	1	11.0	390	700	250	32.0	9.8	<50	2.5	<1	2.6	0.6
244	99533G	651.670	9941.767	ALV	0.186	1660	3310	5	68	<1	6.0	300	610	240	38.0	12.0	<50	3.7	<1	2.9	0.7
245	99534G	651.660	9941.554	ALV	0.397	4660	3440	80	100	3	31.0	190	360	150	21.0	8.4	<50	3.4	1	7.9	1.4
246	99535G	651.652	9941.429	ALV	0.378	1160	2630	515	60	23	7.0	270	560	180	30.0	10.0	<100	3.2	<1	3.4	0.7
247	99536G	651.654	9941.290	ALV	0.287	460	2450	285	60	2	39.0	300	570	210	30.0	10.0	<50	3.4	<1	3.0	0.6
248	99537G	651.642	9941.172	ALV	0.057	440	1925	76	60	<1	31.0	350	620	220	30.0	9.9	<50	3.7	<1	2.7	0.6
249	99538G	651.722	9941.062	ALV	0.055	560	2990	57	75	1	43.0	330	550	170	24.0	8.4	<100	2.9	<1	4.3	0.7
250	99539G	651.829	9940.999	ALV	0.036	2910	3530	325	155	1	83.0	820	1200	370	57.0	17.0	<100	5.1	<1	5.6	0.9

Results of Geochemical Analysis

NOS	SAMPLE NO.	COORDINATE LATITUDE	COORDINATE LONGITUDE	TYPE	ASSAY RESULTS P %	BA PPM	SR PPM	NB PPM	Y PPM	U PPM	TH PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	GD PPM	TB PPM	TM PPM	YB PPM	LU PPM
251	99540G	651.942	9941.098	MTBT	0.083	510	442	12	40	<1	10.0	79	140	69	7.6	3.6	<150	1.6	<1	3.3	0.9
252	99541G	652.003	9941.207	ALV	0.457	510	2480	355	72	62	190.0	220	550	170	24.0	9.9	<50	2.7	<1	2.7	0.8
253	99542G	652.057	9941.378	ALV	0.426	560	6790	<5	43	2	5.0	170	320	120	16.0	6.0	<50	2.2	<1	3.0	0.7
254	99543G	652.096	9941.461	ALV	0.382	320	3160	1090	58	130	140.0	290	600	240	25.0	8.8	<50	2.7	<1	1.7	0.6
255	99544G	652.118	9941.569	ALV	0.083	1490	2460	49	37	5	6.0	1200	1100	230	18.0	5.0	<100	1.8	<1	2.1	0.6
256	99545G	652.047	9941.688	ALV	0.321	290	2600	605	52	13	5.0	270	510	190	28.0	8.1	<50	2.7	<1	3.0	0.6
257	99546G	652.566	9940.810	FCB	0.101	1670	894	415	330	<3	100.0	1600	2600	750	100.0	30.0	<100	12.0	5	10.0	2.3
258	99547G	652.477	9940.844	MTBT	0.033	560	147	8	20	<1	1.0	25	44	8	3.8	2.2	<100	1.7	1	1.8	0.6
259	99548G	651.847	9940.914	ALV	0.237	1140	2530	52	56	4	17.0	220	490	160	22.0	7.4	<50	2.9	1	2.4	0.7
260	99549G	651.864	9940.864	ALV	0.715	690	3080	85	155	12	28.0	740	1500	680	90.0	28.0	<100	8.3	2	6.3	1.1
261	99550G	651.878	9940.817	ALV	0.095	10630	1970	135	550	3	480.0	4860	6500	1300	190.0	54.0	<100	18.0	15	18.0	3.5
262	99551G	651.885	9940.770	FCB	0.212	4760	2920	45	290	16	180.0	5260	7500	1300	160.0	43.0	<100	11.0	5	7.8	2.3
263	99552G	651.900	9940.694	ALV	0.081	14890	3940	150	320	<2	960.0	4060	4900	1000	100.0	43.0	<100	13.0	14	19.0	2.3
264	99553G	651.932	9940.636	ALV	0.084	980	1630	90	29	2	24.0	160	240	82	9.6	3.7	<50	2.0	<1	2.2	0.6
265	99554G	651.977	9940.559	ALV	0.183	2930	4540	190	135	8	110.0	160	1400	420	54.0	18.0	<50	6.0	4	9.5	1.4
266	99555G	652.074	9940.348	MTDL	0.023	260	237	6	16	<1	6.0	44	67	12	3.9	2.4	<100	0.5	1	1.8	0.6
267	99556G	652.094	9940.289	PHN	0.048	890	2510	525	36	15	50.0	78	120	48	6.0	3.7	<100	1.7	1	1.7	0.5
268	99557G	652.213	9940.268	PHN	0.041	760	1620	540	41	14	53.0	72	130	40	5.8	3.1	<200	1.4	<1	1.1	0.5
269	99558G	652.356	9940.258	MTBT	0.029	370	165	<5	14	<1	<1.0	8	13	<5	2.3	2.3	<100	1.1	<1	1.5	0.5
270	99559G	652.511	9940.306	PHN	0.024	620	542	350	43	13	39.0	39	82	23	2.7	2.6	<100	1.2	2	1.8	0.6
271	99560G	652.691	9940.164	MTBT	0.035	320	126	<5	19	<1	<1.0	5	10	6	2.6	1.9	<100	2.1	1	1.9	0.8
272	99561G	652.971	9939.880	MTBT	0.026	70	153	5	11	<1	1.0	6	13	10	2.2	1.8	<50	0.7	<1	1.4	0.5
273	99801G	650.077	9937.559	CBB	0.290	1210	570	160	64	1	6.0	51	73	28	5.5	3.0	<50	1.9	2	4.9	1.1
274	99802G	650.049	9937.762	PHN	0.042	1000	1065	260	31	<1	31.0	54	110	29	4.7	2.3	<300	1.2	<1	2.2	0.6
275	99803G	650.162	9937.809	CBB	0.095	1970	713	105	110	3	110.0	160	300	46	20.0	9.3	<150	4.4	2	7.4	1.0
276	99804G	650.251	9937.848	PHN	0.042	940	748	255	32	8	30.0	53	110	30	4.7	2.6	<200	1.2	<1	1.3	0.5
277	99805G	650.306	9937.955	PHN	0.032	850	651	255	31	8	32.0	52	95	28	4.7	2.6	<200	1.4	<1	2.2	0.5
278	99806G	650.411	9937.982	ALV	0.037	1010	705	255	31	9	31.0	60	120	28	4.2	2.4	<200	1.2	<1	2.1	0.5
279	99807G	650.516	9937.923	CBB	0.082	8680	915	205	125	1	68.0	650	1400	380	52.0	17.0	<50	4.7	3	11.0	1.7
280	99808G	650.655	9937.931	TFBR	0.085	5900	656	260	75	<1	76.0	160	310	84	25.0	11.0	<150	4.4	2	5.2	0.9
281	99809G	650.772	9937.946	ALV	0.703	10440	2680	945	150	4	25.0	1000	2200	680	95.0	27.0	<100	7.4	2	6.4	1.0
282	99810G	650.876	9937.977	FCB	0.058	3430	3060	39	28	1	9.0	74	160	45	10.0	3.9	<50	1.7	1	2.8	0.7
283	99811G	650.988	9937.889	ALV	0.207	1460	4620	375	125	2	35.0	1000	2800	740	100.0	28.0	<100	7.3	4	5.5	1.0
284	99812G	651.106	9937.858	ALV	0.044	390	2880	<5	80	<1	23.0	690	1700	560	86.0	24.0	<50	6.1	3	3.4	0.7
285	99813G	651.201	9937.803	CBB	0.263	980	2890	150	130	<1	15.0	610	1200	380	65.0	19.0	<100	6.2	3	5.9	1.0
286	99814G	651.299	9937.776	ALV	0.128	690	3120	505	48	5	29.0	480	1000	290	42.0	12.0	<50	3.6	<1	2.5	0.5
287	99815G	651.305	9937.887	ALV	0.383	930	4910	255	155	<1	13.0	470	900	542	69.0	24.0	<50	7.6	12	6.8	1.1
288	99816G	651.290	9938.020	TFBR	0.099	2440	1250	220	21	3	26.0	92	140	56	5.2	3.1	<100	0.5	<1	2.1	0.6
289	99817G	650.890	9939.722	ALV	0.478	730	3510	245	86	<1	37.0	780	1600	750	71.0	21.0	<50	4.9	7	4.4	0.8
290	99818G	650.974	9939.612	ALV	0.527	6860	3490	215	130	3	51.0	770	1300	840	88.0	27.0	<50	7.3	4	3.9	0.8
291	99819G	651.049	9939.528	ALV	0.096	1580	2810	6	59	<1	13.0	140	270	161	17.0	6.8	<50	2.8	5	7.5	1.3
292	99820G	651.133	9939.574	ALV	0.778	8430	3730	460	210	<1	158.0	1400	1900	740	92.0	30.0	<100	8.4	17	18.0	2.0
293	99821G	651.232	9939.485	ALV	0.289	4420	3510	88	120	<1	55.0	610	1300	610	59.0	18.0	<50	5.3	9	6.6	1.0
294	99822G	651.319	9939.352	ALV	0.493	1360	3480	1280	58	<3	72.0	630	1300	630	55.0	15.0	<50	3.6	7	5.9	0.9
295	99823G	651.370	9939.218	ALV	1.700	5370	3800	515	280	<2	290.0	320	650	320	46.0	24.0	50	12.0	13	22.0	2.0
296	99824G	651.459	9939.102	ALV	0.526	8390	2070	470	280	<4	280.0	1300	2000	800	77.0	25.0	50	8.9	16	19.0	2.1
297	99825G	651.545	9939.002	TFBR	0.260	6210	1215	720	135	<4	190.0	640	1100	460	43.0	14.0	<50	5.7	10	12.0	1.3
298	99826G	651.597	9938.876	ALV	0.065	8370	499	1110	115	<3	170.0	170	390	300	33.0	11.0	<50	3.6	5	4.5	1.0
299	99827G	651.635	9938.799	ALV	0.510	15970	2190	46	300	<3	460.0	910	1800	950	94.0	33.0	<50	9.3	22	18.0	2.8
300	99828G	651.671	9938.667	ALV	0.086	7610	1615	1020	280	<4	380.0	610	1200	780	170.0	60.0	50	15.0	16	17.0	2.2

Results of Geochemical Analysis

NOS	SAMPLE NO.	COORDINATE LATITUDE	LONGITUDE	TYPE	ASSAY RESULTS P %	BA PPM	SR PPM	NB PPM	Y PPM	U PPM	TH PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	GD PPM	TB PPM	TM PPM	YB PPM	LU PPM
301	99829G	651.754	9938.561	ALV	0.772	12210	2010	575	520	23	270.0	1300	2200	880	100.0	33.0	<100	14.0	23	30.0	3.8
302	99830G	651.885	9938.550	ALV	0.590	9560	2600	240	180	6	100.0	1100	2400	1100	130.0	40.0	<50	9.2	11	9.2	1.1
303	99831G	651.956	9938.443	ALV	0.058	15210	6170	335	140	13	110.0	140	220	80	24.0	<0.2	<50	3.2	3	5.8	0.7
304	99832G	651.904	9938.281	FCB	0.377	1700	3090	520	65	48	56.0	350	640	280	23.0	11.0	<50	3.2	3	2.6	0.5
305	99833G	653.366	9941.443	PHN	0.043	740	952	540	38	10	58.0	82	160	31	3.9	2.0	300	0.6	1	1.6	0.3
306	99834G	652.787	9941.153	PHN	0.102	2970	2100	705	47	21	80.0	110	200	40	5.1	4.9	100	1.5	2	2.4	0.3
307	99835G	652.888	9941.314	MTBT	0.046	810	729	380	36	8	46.0	120	230	45	6.5	3.4	<300	1.3	1	2.8	0.4
308	99836G	652.775	9941.378	MTBT	0.054	800	775	370	33	9	52.0	130	240	42	6.6	3.4	<200	1.1	2	2.6	0.3
309	99837G	652.709	9941.516	ALV	0.064	16360	3500	150	125	<3	440.0	1300	2000	660	120.0	47.0	<50	11.0	15	6.7	1.2
310	99838G	652.662	9941.589	ALV	0.282	2110	4050	51	93	8	40.0	350	670	260	32.0	11.0	<50	3.9	2	4.3	0.7
311	99839G	652.586	9941.661	TFBR	0.180	4200	1430	245	80	10	38.0	240	480	140	19.0	9.0	<50	2.6	2	2.9	0.5
312	99840G	652.350	9941.556	VLBR	0.254	21100	3780	405	540	10	500.0	6990	8000	800	110.0	31.0	300	12.0	14	29.0	3.7
313	99841G	652.242	9941.520	VLBR	0.116	3250	1175	320	24	12	36.0	73	130	29	3.2	1.3	<250	0.9	1	2.0	0.2
314	99842G	652.218	9941.389	ALV	0.440	6150	3440	77	91	10	34.0	400	660	230	27.0	12.0	<50	2.8	3	7.0	0.7
315	99843G	652.085	9941.134	ALV	0.134	610	2780	65	90	<2	76.0	200	460	110	22.0	7.4	<50	3.0	4	5.4	0.6
316	99844G	652.052	9941.016	ALV	0.521	4910	3070	33	140	<1	71.0	380	670	260	34.0	13.0	<50	3.9	3	4.1	0.5
317	99845G	652.136	9940.898	PHN	0.140	990	2920	325	33	3	13.0	46	100	43	3.2	1.9	<50	0.4	1	0.6	0.2
318	99846G	652.253	9940.838	MTBT	0.025	2030	395	33	17	<4	2.0	10	10	<10	2.0	<0.1	<100	0.3	<1	1.6	0.4
319	99847G	652.347	9940.760	MTBT	0.057	330	300	11	22	6	2.0	<1	10	<10	2.1	1.1	<100	0.6	<1	1.8	0.4
320	99848G	650.650	9940.191	ALV	0.427	11140	4360	32	420	<3	410.0	14320	14700	1600	88.0	83.0	<400	8.0	10	32.0	4.1
321	99849G	650.905	9940.027	ALV	0.433	2620	4540	160	79	8	11.0	420	720	370	40.0	12.0	<50	3.2	<1	3.9	0.5
322	99850G	651.430	9940.348	TFBR	0.138	4390	860	170	35	4	16.0	130	190	100	9.3	1.0	<50	1.1	<1	2.3	0.3
323	99851G	651.548	9940.368	CBB	0.210	24700	2620	270	130	6	52.0	470	610	330	36.0	29.0	<50	4.2	2	5.8	0.9
324	99852G	651.649	9940.446	MTBT	0.029	520	122	5	18	<3	1.0	8	10	<10	2.5	<0.1	<50	0.7	1	1.9	0.6
325	99853G	651.732	9940.484	MTBT	0.028	830	152	5	22	5	1.0	11	16	<10	1.5	0.6	<50	1.4	2	1.7	0.6
326	99854G	651.884	9940.472	ALV	0.607	1390	1935	245	150	5	66.0	94	140	120	16.0	6.9	<50	5.2	13	2.5	0.9
327	99855G	651.929	9940.359	MTBT	0.034	140	110	6	17	<2	1.0	5	12	<20	2.2	0.8	<50	<0.1	<1	1.6	0.3
328	99856G	651.960	9940.235	PHN	0.041	840	946	530	42	21	48.0	59	99	35	5.1	2.1	<200	0.9	<1	0.8	0.3
329	99857G	651.962	9940.085	PHN	0.047	3280	638	550	43	16	52.0	67	110	44	5.4	1.5	<200	0.6	<1	1.6	0.3
330	99858G	651.932	9939.949	ALV	0.330	14210	3980	145	42	2	32.0	1700	2700	880	65.0	13.0	<100	4.5	4	10.0	1.6
331	99859G	651.986	9939.815	ALV	0.117	630	3180	55	56	<1	9.0	720	1300	630	62.0	14.0	<100	3.4	<1	1.2	0.3
332	99860G	651.901	9939.709	SOV	0.737	680	6310	45	44	<1	4.0	290	490	200	26.0	6.4	<50	1.8	<1	2.4	0.4
333	99861G	651.758	9939.694	ALV	0.055	1020	3330	31	58	<1	16.0	310	590	290	32.0	7.5	<50	2.2	<1	4.8	0.7
334	99862G	651.631	9939.751	SOV	0.498	810	6770	12	47	<1	4.0	250	430	190	24.0	6.6	<50	2.1	<1	2.4	0.4
335	100101G	652.593	9936.959	VLBR	0.208	2900	994	240	63	12	32.0	260	410	160	19.0	5.1	<50	2.0	<1	3.0	0.6
336	100102G	652.578	9937.063	VLBR	0.228	1920	1520	230	42	8	12.0	230	370	150	18.0	4.1	<50	1.2	1	1.6	0.3
337	100103G	652.561	9937.146	LPTF	0.268	6050	1810	400	71	9	39.0	290	500	210	26.0	6.5	<50	1.9	1	3.4	0.6
338	100104G	652.418	9937.282	CBB	0.042	3940	616	530	98	<1	66.0	100	200	84	27.0	8.4	<50	3.2	1	4.4	0.7
339	100105G	652.259	9937.501	FCB	0.027	3070	1315	36	26	<1	6.0	94	130	95	11.0	2.6	<50	1.9	<1	2.7	0.5
340	100106G	652.247	9937.435	FCB	0.149	3210	1610	14	52	<1	11.0	57	280	61	12.0	2.9	<50	1.5	<1	4.4	0.6
341	100107G	652.196	9937.483	FCB	0.044	3520	1005	66	83	<2	95.0	820	1200	520	60.0	14.0	<50	3.5	2	3.4	0.7
342	100108G	652.105	9937.588	FCB	0.021	1730	1735	53	125	<1	18.0	100	180	120	19.0	5.7	<50	3.4	1	8.5	1.2
343	100109G	652.027	9937.707	FCB	0.151	820	1605	105	135	<1	44.0	660	1400	580	72.0	18.0	<100	5.9	3	8.3	1.1
344	100110G	651.935	9937.773	FCB	1.555	2360	5500	200	69	1	14.0	310	550	250	30.0	7.9	<50	2.4	3	3.0	0.5
345	100111G	651.894	9937.782	FCB	0.757	1180	4400	150	46	6	12.0	270	450	200	24.0	6.2	<50	2.2	1	2.8	0.4
346	100112G	651.833	9937.870	LPTF	0.167	1870	1100	420	62	5	45.0	270	440	160	20.0	5.1	<150	1.5	<1	1.3	0.4
347	100113G	651.690	9937.851	CB	0.901	1030	5520	420	125	11	26.0	440	820	300	44.0	13.3	<100	4.6	1	6.2	0.8
348	100114G	651.606	9937.710	ALV8	0.125	26500	1820	315	1360	16	1840.0	7060	12600	2500	450	134.0	450	42.0	23	51.0	7.5
349	100115G	651.486	9937.618	ALV	0.140	1040	2930	230	140	<1	66.0	940	1500	590	78.0	21.0	<50	6.0	3	7.6	1.2
350	100116G	651.478	9937.327	TFBR	0.133	1860	524	195	82	<1	46.0	220	370	130	23.0	6.1	<50	2.4	1	2.7	0.7

Results of Geochemical Analysis

NOS	SAMPLE NO.	COORDINATE LATITUDE	LONGITUDE	TYPE	ASSAY RESULTS P %	BA PPM	SR PPM	NB PPM	Y PPM	U PPM	TH PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	GD PPM	TB PPM	TM PPM	YB PPM	LU PPM
351	100117G	651.441	9937.114	TF	0.025	610	229	740	67	<1	100.0	55	140	66	19.0	6.6	<200	2.3	<1	2.5	0.6
352	100118G	653.536	9942.343	ALV	0.315	4850	3140	670	93	20	67.0	400	760	310	38.0	12.0	<50	3.8	1	3.4	0.6
353	100119G	653.491	9942.262	SOV	0.039	21500	1050	12	83	<3	60.0	8830	9100	1000	89.0	18.0	<150	3.9	2	1.4	0.5
354	100120G	653.421	9942.097	ALV	0.270	10610	3280	485	140	10	54.0	660	1200	400	55.0	14.0	<50	5.0	2	6.7	1.2
355	100121G	653.260	9942.002	ALV	0.101	14340	2230	300	290	21	190.0	1100	1800	560	90.0	27.0	<50	9.7	5	12.0	1.9
356	100122G	653.147	9941.987	CBB	0.149	7340	1110	195	78	4	23.0	300	360	150	19.0	5.8	<50	2.2	1	3.5	0.6
357	100123G	652.959	9941.853	ALV	0.383	3210	3520	425	125	19	27.0	400	780	310	39.0	11.0	<50	3.9	3	5.8	0.8
358	100124G	652.716	9941.813	ALV	0.187	430	2820	27	110	<1	60.0	390	810	340	56.0	15.0	<50	4.0	2	5.2	0.7
359	100125G	652.609	9941.793	MTBT	0.032	570	256	13	22	<1	5.0	80	110	30	4.9	1.0	<100	1.0	<1	2.1	0.3
360	100126G	652.554	9941.772	PHN	0.036	1450	1835	595	36	2	9.0	63	120	46	7.2	1.9	<150	1.0	<1	2.4	0.5
361	100127G	652.482	9941.708	SOV	0.112	890	6390	7	44	<1	10.0	160	310	110	18.0	4.5	<50	1.8	<1	2.7	0.5
362	100128G	652.424	9941.631	VLBR	0.120	6150	1415	245	62	4	26.0	190	270	91	14.0	5.2	<100	2.8	1	3.1	0.8
363	100129G	652.307	9941.569	VLBR	0.087	2590	716	305	53	10	16.0	42	62	19	5.2	3.2	<100	1.8	<1	2.5	0.7
364	100130G	652.310	9941.620	VLBR	0.131	3190	1045	270	59	6	35.0	110	150	55	10.0	4.1	<100	1.7	2	3.9	0.8
365	100131G	652.380	9941.751	ALV	0.018	490	3030	10	68	<1	4.0	77	200	70	28.0	9.6	<50	3.5	<1	2.0	0.6
366	100132G	652.292	9941.865	SYN	0.062	1620	1835	240	45	5	18.0	82	100	24	3.9	2.5	<100	1.5	<1	2.4	0.7
367	100133G	652.296	9941.974	SYN	0.108	940	809	355	51	9	41.0	100	160	40	6.6	3.6	<100	1.7	1	3.5	0.7
368	100134G	652.368	9942.068	ALV	0.242	350	3080	11	74	<1	12.0	390	650	220	40.0	13.0	<50	4.4	3	3.2	0.8
369	100135G	652.332	9942.194	ALV	0.219	3680	2220	41	145	<1	32.0	740	1200	410	87.0	27.0	100	9.7	3	5.6	1.0
370	100136G	652.351	9942.281	FCB	0.815	18780	4650	205	420	<4	400.0	11060	14700	1800	270	66.0	<100	16.0	19	17.0	2.4
371	100137G	652.361	9942.379	MTBT	0.429	22500	2350	740	1360	<5	1120.0	7530	11900	1900	360	95.0	350	32.0	31	59.0	8.1
372	100138G	652.321	9942.463	MTBT	0.171	6640	976	765	460	4	300.0	280	430	190	73.0	30.0	50	13.0	5	16.0	2.8
373	100139G	653.468	9938.181	ALV	0.423	700	1590	240	71	10	33.0	450	680	180	33.0	10.0	<50	3.2	2	5.0	1.0
374	100140G	653.251	9938.357	MTBT	0.033	490	134	12	17	<1	2.0	14	20	<5	2.8	2.1	<50	1.7	1	1.6	0.7
375	100141G	653.145	9938.367	ALV	0.905	1500	673	795	66	12	66.0	390	580	160	33.0	9.9	<50	2.8	2	5.2	0.9
376	100142G	653.020	9938.416	MTBT	0.037	1090	134	8	19	<1	1.0	14	16	8	2.4	1.9	<50	1.5	<1	2.1	0.9
377	100143G	652.923	9938.488	IJ	0.031	320	106	10	18	2	1.0	20	27	14	3.4	2.2	<50	3.1	1	1.4	0.8
378	100144G	652.805	9938.537	PHN	0.017	830	334	525	35	18	47.0	33	42	25	2.6	2.4	<50	1.4	<1	1.3	0.6
379	100145G	652.709	9938.609	PHN	0.012	760	548	550	40	13	50.0	33	42	20	2.8	2.3	<100	1.4	<1	1.2	0.5
380	100146G	652.713	9938.762	ALV	0.516	13120	2720	395	600	1	380.0	1100	1800	799	170.0	52.0	<50	20.0	13	23.0	3.3
381	100147G	652.809	9938.776	FCB	0.039	21300	531	21	120	6	230.0	1300	3200	1300	130.0	28.0	<100	7.4	9	3.1	1.4
382	100148G	652.966	9938.787	PHN	0.013	20300	335	530	43	16	51.0	85	180	62	8.3	3.5	<50	1.7	1	1.5	0.5
383	100149G	653.065	9938.748	MTBT	0.032	1310	135	8	21	<1	2.0	11	25	11	2.6	2.1	<50	2.3	1	1.2	0.8
384	100150G	653.174	9938.738	MTBT	0.030	330	122	6	19	<1	1.0	10	26	7	3.0	2.4	<50	1.9	<1	1.8	0.7
385	100151G	653.303	9938.649	MTBT	0.032	340	112	<5	18	<1	1.0	8	20	8	2.5	2.1	<50	2.0	1	1.6	0.7
386	100152G	653.440	9938.708	SOV	0.004	30	68	<5	5	<1	<1.0	3	3	<5	0.7	1.6	<50	1.3	<1	0.8	0.5
387	100153G	653.511	9938.742	FCB	0.188	3070	928	57	450	1	340.0	4530	6200	1000	190.0	50.0	<100	16.0	12	14.0	3.2
388	100401G	653.523	9937.979	MTBT	0.011	690	692	285	54	<1	35.0	99	150	38	6.3	3.0	<100	2.0	2	2.0	0.6
389	100402G	653.348	9938.031	PHN	0.009	590	486	300	54	12	34.0	49	72	30	4.2	2.3	<100	1.5	1	1.8	0.6
390	100403G	653.050	9938.150	PHN	0.009	620	653	305	46	8	35.0	41	73	24	3.6	2.2	<200	1.3	<1	1.8	0.6
391	100404G	652.968	9938.158	CBB	0.234	1340	677	335	62	21	43.0	690	1000	300	42.0	11.0	<50	4.2	3	4.3	0.8
392	100405G	652.879	9938.187	PHN	0.039	1290	528	560	39	18	57.0	35	72	29	2.3	2.4	<50	1.0	3	1.7	0.5
393	100406G	652.810	9938.158	FCB	0.052	770	1495	99	38	1	5.0	55	130	51	6.2	0.9	<50	1.7	4	3.1	0.8
394	100407G	652.750	9938.141	PHN	0.090	360	489	575	30	18	58.0	29	62	23	2.4	2.1	<100	1.4	2	1.5	0.5
395	100408G	652.689	9938.168	PHN	0.055	410	313	580	36	18	60.0	32	65	29	2.2	2.2	<50	1.4	4	1.3	0.6
396	100409G	652.561	9938.186	PHN	0.007	320	483	555	37	12	58.0	30	62	26	2.2	2.1	<50	1.1	3	1.7	0.6
397	100410G	652.451	9938.204	PHN	0.172	1830	1090	470	75	14	75.0	360	650	190	24.0	8.2	<50	2.6	4	4.0	0.9
398	100411G	652.470	9938.233	CBB	0.101	1190	1970	94	50	3	19.0	90	160	68	8.6	3.8	<50	1.9	4	4.4	0.8
399	100412G	652.455	9938.271	FCB	0.120	8080	3410	79	120	<6	170.0	1300	2400	710	92.0	27.0	<50	6.4	17	2.8	0.9
400	100413G	652.308	9938.089	FCB	0.210	1010	2700	132	135	<1	68.0	1100	2400	1000	120.0	34.0	<50	9.6	14	8.8	1.2

Results of Geochemical Analysis

NOS	SAMPLE NO.	COORDINATE LATITUDE	LONGITUDE	TYPE	ASSAY RESULTS P %	BA PPM	SR PPM	NB PPM	Y PPM	U PPM	TH PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	GD PPM	TB PPM	TM PPM	YB PPM	LU PPM
401	100414G	652.236	9937.930	ALV	0.709	730	2400	615	110	2	38.0	790	1800	660	78.0	23.0	<50	5.7	7	6.7	1.0
402	100415G	650.872	9941.297	GNS	0.039	260	295	12	23	<1	3.0	33	70	34	4.8	2.4	<50	1.5	4	2.2	0.6
403	100416G	650.929	9941.229	MTBT	0.032	190	142	15	21	<1	2.0	12	27	16	2.9	2.2	<50	1.6	4	1.8	0.7
404	100417G	651.104	9941.117	MTBT	0.523	740	2460	560	210	48	230.0	560	1200	410	54.0	18.0	<50	6.4	9	24.0	2.8
405	100418G	651.088	9941.190	PHN	0.084	3210	2160	28	56	12	52.0	140	270	68	9.4	4.1	<50	1.9	3	4.4	0.7
406	100419G	651.213	9941.150	ALV	1.300	510	3660	26	185	3	54.0	540	1300	620	88.0	30.0	<50	8.9	10	15.0	1.9
407	100420G	651.268	9941.130	CBB	0.134	1950	3000	65	105	5	20.0	480	1100	350	63.0	18.0	<50	5.2	2	5.0	0.9
408	100421G	651.379	9941.142	ALV	1.130	14890	10960	12	410	<3	190.0	12650	17700	1800	160.0	42.0	<300	11.0	15	21.0	3.8
409	100422G	651.433	9941.165	ALV	0.326	1220	2740	30	98	1	24.0	480	1000	300	52.0	16.0	<50	5.1	1	4.8	0.9
410	100423G	651.511	9941.176	ALV	0.223	2590	2520	34	73	<1	18.0	570	1100	320	52.0	15.0	<50	3.8	2	3.1	0.6
411	100424G	651.548	9941.156	SOV	0.088	1050	3770	17	51	1	10.0	280	550	150	27.0	9.0	<50	2.9	1	2.8	0.7
412	100425G	651.536	9941.102	ALV	2.52	5510	4050	70	1170	<4	950.0	1500	2200	870	420	140.0	250	44.0	13	13.0	2.8
413	100426G	651.598	9941.168	SOV	0.112	680	6640	5	50	<1	18.0	170	320	100	20.0	7.0	<50	2.4	1	2.7	0.6
414	100427G	651.619	9941.078	SOV	0.205	9110	7110	13	60	1	32.0	200	360	110	25.0	9.1	<50	2.8	1	3.2	0.6
415	100428G	651.622	9940.988	SOV	0.285	10170	2410	17	81	2	17.0	870	1200	260	38.0	11.0	<100	3.4	1	4.5	0.9
416	100429G	651.503	9940.759	CBB	0.231	4440	833	33	53	2	19.0	150	170	59	9.9	4.0	<50	1.9	1	3.3	0.8
417	100430G	651.254	9940.465	ALV	0.188	2670	3370	255	460	12	220.0	2000	3000	650	110.0	33.0	<100	14.0	5	18.0	2.9
418	100431G	650.496	9940.400	PHN	0.047	970	1515	470	48	12	42.0	130	220	50	7.9	3.2	<100	1.6	<1	1.6	0.6
419	100551G	649.480	9939.569	MTBT	0.062	1710	885	305	40	6	31.0	93	170	42	6.1	3.2	<100	1.4	<1	1.3	0.5
420	100552G	649.595	9939.566	MTBT	0.014	820	516	310	32	5	31.0	45	88	17	3.3	2.2	<100	1.1	<1	1.4	0.5
421	100553G	649.631	9939.517	MTDL	0.031	870	1025	280	31	3	29.0	44	90	20	4.0	2.2	<100	1.3	<1	1.2	0.5
422	100554G	649.661	9939.480	MTBT	0.103	2390	4320	290	53	10	33.0	210	320	82	13.0	4.6	<100	2.0	1	3.4	0.6
423	100555G	649.709	9939.436	MTBT	0.064	1870	970	290	45	7	29.0	140	220	57	7.3	3.5	<100	1.8	<1	1.1	0.6
424	100556G	649.751	9939.412	MTBT	0.029	820	559	310	34	7	28.0	40	72	19	1.7	2.0	<100	0.9	<1	2.0	0.5
425	100557G	650.277	9939.192	ALV	0.318	2820	808	130	100	2	17.0	97	150	55	9.3	4.1	<100	1.8	2	4.9	1.0
426	100558G	650.320	9939.192	ALV	0.233	3720	860	175	78	2	120.0	320	450	110	19.0	6.4	<100	3.2	2	9.3	1.4
427	100559G	650.350	9939.189	ALV	0.012	810	248	160	30	<1	8.0	14	16	6	2.8	1.9	<100	1.6	1	2.3	0.8
428	100560G	650.398	9939.180	ALV	0.022	1370	117	20	18	<1	2.0	7	8	11	1.8	1.2	<100	0.5	1	1.8	0.7
429	100561G	650.436	9939.173	ALV	0.716	6410	1030	605	340	15	250.0	1800	2600	530	76.0	24.0	100	10.0	7	12.0	2.0
430	100562G	650.534	9939.145	CBB	0.589	11610	4360	2100	140	46	66.0	590	1000	360	53.0	19.0	<50	6.2	2	7.9	1.0
431	100563G	650.562	9939.090	SOV	0.786	1990	6110	49	60	5	11.0	300	520	160	28.0	8.1	<50	3.2	2	3.4	0.8
432	100564G	650.591	9939.058	SOV	0.381	810	6980	7	43	<1	10.0	220	400	100	20.0	6.2	<50	2.6	1	2.8	0.7
433	100565G	650.649	9939.033	ALV	1.375	21500	3200	300	155	7	180.0	12850	16900	2000	200	37.0	<2000	4.4	7	4.4	1.6
434	100566G	650.709	9939.004	ALV	0.100	21200	1985	45	85	6	100.0	1000	2800	1000	85.0	18.0	<50	3.9	2	0.6	0.9
435	100567G	650.767	9938.923	ALV	0.032	930	598	395	60	14	42.0	120	150	37	2.8	2.5	200	1.2	<1	3.4	0.6
436	100568G	650.839	9938.841	MTBT	0.072	510	1385	395	57	14	43.0	48	77	20	1.2	2.2	<100	1.2	2	3.0	0.6
437	100569G	650.937	9938.802	MTBT	0.266	9740	1620	310	340	9	40.0	4600	5700	900	100.0	27.0	<100	7.4	<1	82.0	14.0
438	100570G	651.133	9938.762	CBTF	0.193	4400	2690	825	210	2	170.0	1600	2200	670	100.0	23.0	<50	5.9	<6	15.0	1.7
439	100701G	651.029	9941.982	ALV	0.028	10630	946	1970	120	12	150.0	1400	1900	690	130.0	31.0	<50	6.5	<12	10.0	1.3
440	100702G	651.082	9941.953	ALV	0.135	2140	247	715	35	58	25.0	160	210	120	16.0	5.4	<50	0.8	<1	1.8	0.3
441	100703G	651.154	9941.898	ALV	0.299	880	3180	98	70	2	26.0	240	440	170	32.0	8.8	<50	1.9	4	4.5	0.5
442	100704G	651.290	9941.788	ALV	0.403	7070	2860	165	57	19	42.0	570	830	240	36.0	9.6	<50	1.5	<4	7.6	1.0
443	100705G	651.347	9941.782	ALV	0.291	780	2220	280	78	25	14.0	510	800	280	48.0	12.0	<50	2.7	<5	4.7	0.5
444	100706G	651.403	9941.734	ALV	0.660	1920	2530	11	83	<1	71.0	660	680	160	23.0	5.9	<50	2.1	<1	6.7	0.7
445	100707G	651.449	9941.667	SOV	0.541	850	5340	41	59	<1	6.0	240	340	120	23.0	6.1	<50	1.3	<9	3.4	0.5
446	100708G	651.499	9941.551	AGGL	0.822	13220	1625	46	135	30	<40.0	5330	5500	500	59.0	9.0	<200	3.5	<5	6.5	1.1
447	100709G	651.506	9941.473	ALV	0.350	940	2760	<5	69	<1	33.0	520	760	260	44.0	10.0	<50	2.2	<4	5.0	0.5
448	100710G	651.459	9941.430	ALV	1.075	13810	4350	615	165	<6	140.0	1300	2000	730	120.0	33.0	<100	8.8	<1	10.0	1.7
449	100711G	651.399	9941.443	ALV	0.195	5520	3540	415	150	<2	97.0	1400	2200	750	120.0	30.0	<50	7.7	<1	4.6	0.5
450	100712G	651.339	9941.457	PHN	0.076	2230	540	34	45	<1	17.0	83	130	22	9.3	2.9	<50	1.1	<1	5.5	0.8

Results of Geochemical Analysis

NOS	SAMPLE NO.	COORDINATE LATITUDE	COORDINATE LONGITUDE	TYPE	ASSAY RESULTS P %	BA PPM	SR PPM	NB PPM	Y PPM	U PPM	TH PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	GD PPM	TB PPM	TM PPM	YB PPM	LU PPM
451	100713G	651.245	9941.488	PHN	0.031	750	242	8	22	<1	3.0	48	71	24	5.8	2.4	<50	<0.1	<1	2.3	0.3
452	100714G	651.133	9941.532	PHN	0.023	440	146	<5	19	<1	<1.0	4	10	<5	2.2	1.1	<100	0.2	4	1.8	0.3
453	100715G	651.341	9936.491	FCB	0.007	770	257	560	33	4	47.0	94	150	39	7.0	2.1	<350	0.9	1	2.5	0.2
454	100716G	651.355	9936.571	MTVB	0.019	720	549	560	34	12	41.0	60	110	20	4.4	1.6	<150	0.4	3	2.3	0.2
455	100717G	649.740	9936.952	MTVB	0.029	510	472	480	27	9	26.0	48	72	10	2.7	0.5	<150	0.1	1	1.5	0.2
456	100718G	649.011	9940.195	MTVB	0.011	590	376	500	40	8	40.0	32	62	17	3.3	1.3	<100	0.5	4	2.3	0.2
457	100719G	648.971	9940.163	MTVB	0.025	670	522	520	40	11	41.0	39	78	16	4.0	1.9	<100	<0.1	3	2.4	0.3
458	100720G	649.397	9941.211	FCB	0.011	590	527	490	48	12	48.0	29	60	26	3.0	2.1	<100	0.4	3	2.8	0.2
459	100721G	649.453	9941.266	MTVB	0.035	650	1705	290	31	<1	29.0	41	100	29	4.6	1.2	<100	0.4	4	1.6	0.2
460	100722G	649.811	9942.467	FCB	0.011	560	2930	395	22	10	28.0	22	37	12	1.8	1.1	150	<0.1	2	1.4	0.1
461	100723G	649.924	9942.727	MTVB	0.015	380	336	415	29	7	36.0	23	38	12	2.2	1.0	100	<0.1	3	1.9	0.2
462	100724G	649.218	9943.134	MTVB	0.014	500	701	465	35	18	40.0	33	61	20	2.3	1.1	<100	0.7	2	2.0	0.1
463	100725G	649.157	9943.151	FCB	0.043	1020	850	450	39	19	37.0	140	230	65	9.5	3.4	<250	0.1	3	2.7	0.2
464	100726G	649.422	9943.106	MTVB	0.026	450	360	430	34	12	37.0	29	55	6	2.5	0.8	100	<0.1	2	2.0	0.2
465	100727G	649.438	9943.178	MTVB	0.038	540	471	410	39	15	38.0	48	87	14	4.3	2.2	<150	0.9	1	2.0	0.2
466	100728G	653.914	9937.253	MTVB	0.014	750	778	420	35	11	38.0	50	88	24	3.9	1.2	<150	0.2	2	2.1	0.3
467	100729G	653.569	9936.893	FCB	0.025	900	669	410	40	12	35.0	77	140	38	4.9	2.2	<100	0.6	3	2.1	0.2
468	100730G	653.496	9936.791	FCB	0.016	630	549	390	32	14	39.0	84	140	50	4.9	1.8	100	0.6	4	2.1	0.2
469	100731G	653.239	9937.342	PHN	0.049	710	1175	280	47	11	30.0	45	94	38	4.1	2.0	<100	1.0	5	2.4	0.2
470	100801G			ALV	0.387	3500	2280	150	86	5	41.0	550	1800	350	67.0	16.0	<50	7.0	<3	0.3	1.0
471	100802G			ALV	0.529	3540	1745	53	185	<1	30.0	700	2100	480	96.0	26.0	90	6.9	6	7.2	0.4
472	100803G			ALV	1.770	5990	2540	125	210	<2	43.0	800	2600	470	100.0	38.0	480	10.0	<5	5.6	2.2
473	100804G			ALV	0.226	3400	513	255	105	<1	43.0	380	940	170	41.0	11.0	450	4.3	<1	<0.4	0.7
474	100805G			ALV	0.315	2360	3810	260	98	<2	33.0	680	2000	350	65.0	15.0	<50	5.1	6	6.4	0.4
475	100806G			ALV	0.371	2390	1535	2100	200	<1	270.0	400	1200	230	66.0	20.0	170	12.0	3	6.4	1.4
476	100807G			ALV	0.589	13730	769	375	220	<1	220.0	1100	3900	950	180.0	49.0	170	11.0	8	9.5	2.0
477	100808G			ALV	0.075	2660	2080	57	105	<1	56.0	500	1700	300	77.0	14.0	<50	5.6	3	5.2	1.1
478	100809G			ALV	0.933	5500	2230	790	290	<1	210.0	1000	2500	520	130.0	38.0	<150	10.0	8	14.0	2.7
479	100810G			ALV	0.360	3400	1920	1430	290	18	320.0	460	1400	290	110.0	33.0	380	23.0	<1	10.0	1.1
480	100811G			SOV	1.340	1460	4150	130	100	<2	75.0	380	1200	200	47.0	11.0	<50	3.4	5	4.4	0.7
481	100812G			SOV	0.313	1120	5960	135	96	4	26.0	310	780	140	33.0	9.2	240	6.2	5	5.5	0.7
482	100813G			ALV	1.360	8110	1965	50	76	16	340.0	1200	2900	350	110.0	23.0	170	9.4	10	21.0	1.9
483	100814G			CLT	0.387	4590	1080	940	420	7	42.0	390	810	130	22.0	6.2	580	2.0	1	2.3	0.7
484	100815G			ALV	0.319	2560	2100	335	64	<1	74.0	570	1700	310	79.0	26.0	340	6.2	7	7.0	1.3
485	100816G			ALV	0.180	2840	1900	2300	155	<2	86.0	550	960	420	76.0	22.0	<50	2.3	10	4.9	0.6
486	100817G			ALV	0.264	5140	1085	595	90	6	140.0	790	1300	250	86.0	11.0	50	7.1	7	4.9	0.4
487	100818G			ALV	0.190	1740	3830	510	160	<1	86.0	1300	1400	360	31.0	7.9	120	5.8	6	12.0	3.0
488	100819G			ALV	0.243	4870	499	115	170	<2	150.0	470	520	240	40.0	7.5	130	6.9	7	4.9	0.2
489	100820G			ALV	0.537	13280	893	530	89	4	430.0	1200	2000	390	99.0	26.0	130	20.0	13	15.0	2.8
490	100821G			ALV	1.055	3710	2020	2450	250	22	900.0	1300	2000	500	130.0	40.0	<50	15.0	14	17.0	2.6
491	100822G			ALV	1.045	4400	1995	175	220	<2	33.0	640	1200	460	78.0	14.0	<50	9.0	7	11.0	0.7
492	100823G			SOV	0.222	3900	2200	2500	130	<2	64.0	550	1200	560	78.0	16.0	<50	5.2	7	8.6	1.4
493	100824G			ALV	0.061	2900	516	640	92	<1	33.0	420	420	340	49.0	12.0	<50	3.5	4	5.0	0.8
494	100825G			ALV	0.076	16970	501	200	105	<1	5.0	780	550	380	81.0	34.0	<50	5.4	<5	3.6	0.4
495	100826G			ALV	0.505	1890	1445	170	210	<2	220.0	840	1600	660	98.0	30.0	140	7.8	7	10.0	1.2
496	100827G			ALV	0.686	3180	1705	550	180	5	290.0	470	810	430	71.0	19.0	200	9.3	7	8.9	1.6
497	100828G			ALV	1.000	8090	1785	915	260	3	170.0	890	1500	680	110.0	34.0	86	19.0	12	14.0	0.8
498	100829G			ALV	0.390	2920	12590	78	46	6	74.0	440	740	381	20.0	6.8	<50	3.0	4	1.9	0.2
499	100830G			ALV	0.666	11770	1215	1300	800	<2	390.0	2200	4300	189	240	75.0	300	34.0	38	22.0	3.8
500	100831G			ALV	1.010	5770	1325	695	310	5	160.0	830	1500	370	93.0	29.0	50	11.0	<1	14.0	2.6