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# Appendices



**Appendix 1. Correlation Table of Terminology**



Appendix 1. Correlation Table of Terminology (1)

MONGOLIAN	RUSSIAN	ENGLISH	JAPANESE
МОНГОЛЬ УЛС БҮГД НАЙРАМДАХ МОНГОЛ АРД УЛС (БНМАУ) ЯПОН ЗСБНХОУ ЧЕХОСЛОВАК АРДЧУЛСАН ГЕРМАН ПОЛЬШ УНГЕР ХЯТАЙ Уудам Тал Бус ЯПОНИ ОЛОН УЛСЫН ХАМТЫН АЖИЛААГАНЫ АГЕНТЛАГ ЯПОНИ ТОМОРЛОГ УУРХАЙН АГЕНТЛАГ БНМАУ-ЫН УЛСЫН ГЕОЛОГИЙН ТОВ	МОНГОЛИЯ МОНГОЛЬСКОЙ НАРОДНОЙ РЕСПУБЛИКИ (МНР) ЯПОНИЯ СОЮЗ СОВЕТСКИХ СОЦИАЛИСТИЧЕСКИХ РЕСПУБЛИК (СССР) ЧЕХОСЛОВАКИЯ ГЕРМАНСКАЯ ДЕМОКРАТИЧЕСКАЯ РЕСПУБЛИКА (ГДР) ПОЛЬША БЕНГРИЯ КИТАЙ Уудам Тал Район ЯПОНСКИЙ МЕЖДУНАРОДНЫЙ ОРГАН КООПЕРАЦИИ ЯПОНСКОЕ АГЕНСТВО ГОРНОГО ДЕЛА ПО МЕТАЛЛАМ ГОСУДАРСТВЕННЫЙ ГЕОЛОГИЧЕСКИЙ ЦЕНТР МНР	MONGOLIA MONGOLIAN PEOPLE'S REPUBLIC (MPR) JAPAN (JPN) UNION OF SOVIET SOCIALIST REPUBLICS (USSR) CZECHOSLOVAK SOCIALIST REPUBLIC GERMAN DEMOCRATIC REPUBLIC POLISH PEOPLE'S REPUBLIC UNGARIAN PEOPLE'S REPUBLIC PEOPLE'S REPUBLIC OF CHINA Uudam Tal Area JAPAN INTERNATIONAL COOPER- ATION AGENCY (JICA) METAL MINING AGENCY OF JAPAN (MMAJ) STATE GEOLOGICAL CENTER OF THE MONGOLIAN PEOPLE'S REPUB- LIC MINISTRY OF GEOLOGY AND MINERAL RESOURCES	モンゴル国 モンゴル人民共和国 (モンゴル, (モ)) 日本 ソビエト社会主義共和国連邦 (ソ連, (ソ)) チェコスロバキア (チェコ) ドイツ民主共和国 (東独) ポーランド人民共和国 ハンガリー人民共和国 中華人民共和国 オースタムタル地域 国際協力事業団 (JICA) 金属鉱業事業団 (MMAJ) モンゴル人民共和国 国家地質 センター 地質鉱物資源省
ГЕОЛОГИ, ЭРДЭС БАЯЛАГИЙН ЯАМ УЛААНБААТАР ДОРНОД ӨЛЗИЙТ ХЭНТИЙ ДОРНОГОВЬ ДУНДГОВЬ ӨМНӨГОВЬ Чойбалсан Даланзадгад Хөх нуур Монголын Дорнод Тал Гурван Сайхан суурт Хэнтий Хангай Говь Алтайн нуруу Их Шанхай нуруу Улз Гол Галин Гол Хэрлэн Гол Аймаг Сум Дорнод Дорнод Тал Чойбалсан Гурванзагал Дашбалбар Баяндун Сэргэлэн Дуч Гол Галин Гол Хөх Нуур Чойбалсан Чингэсхаан Цав Улаан Мухар Баян Уур Салхийт Дэлгэр Мөнх Цагаан Чулуут Худук Мардай Хөх Толгой Төмөртийн Овоо Нухут Даваа Хар Айраг Хэрлэн Гол Мандалговь Бор Ундур Лугийнгол Дорноговь Сайншанд	МИНИСТЕРСТВО ГЕОЛОГИИ И МИНЕРА- ЛЬНЫХ РЕСУРСЫ УЛАН БАТОР ДОРНОД УЛЗИЙТ ХЭНТИЙ ДОРНОГОВЬ ДУНДГОВЬ УМНУГОВЬ Чойбалсан Даланзадгад Озеро Хух Монголын Дорнод Равнина Гурван Сайхан Хэнтий Хангай Говь Алтай Горная Цепь Их Шанхай Улз Река Галин Река Хэрлэн Река Аймаг Сум Дорнод Дорнод Поле Чойбалсан Гурванзагал Дашбалбар Баяндун Сэргэлэн Дуч Река Галин Река Озеро Хух Чойбалсан Чингэсхан Цав Улаан Мухар Баян Уур Салхийт Дэлгэр Мунх Цагаан Чулуут Худук Мардай Хух Холм Тумуртийн Овоо Нухут Даваа Хар Айраг Хэрлэн Река Мандалговь Бор Ундур Лугийнгол Дорноговь Сайншанд	ULAANBAATAR DORNOD ULZIIT HENTI I DORNOGOVI DUNDGOVI UMNUGOVI Choibalsan Dalanzadgad Lake Khuh Mongol Dornod Plane Gurvan Saihan Mountains Hentei Mts. Hangai Mts. Govi Altai Mts. Ih Shanhai Mts. Ulz River Galın River Kherlen River Aimag Sum Dornod Plane Choibalsan Gurvanzagal Dashbalbar Bayandun Sergelen Duch River Galın River Lake Khuhu Choibalsan Chingis Khaan Tsav Ulaan Muhar Bayan Uul Salhiit Delger Munh Tsagaan-Chuluut Huduk Mardai Khuhu hill Tumurtiin Ovoo Nuhutt Dawaa Har Airag Kherlen River Mandalgovi Bor Undur Lugilingol Dornogovi Sainshand	ウランバートル ドルノト ウルジート ヘンテイ ドルノゴビ (東ゴビ県) ドゥンドゴビ (中央ゴビ県) ウムヌゴビ (南ゴビ県) チョイバルサン ダランザダグ フッフ湖 (モンゴル) ドルノト平原 ゴルバンサイハン山地 ヘンテイ (山地) ハンガイ (山地) ゴビアルタイ山地 イヒシャンハイ山地 ウルズ川 ガリン川 ケルレン川 県 (アイマク) 村 (ソム) ドルノト (県) ドルノト平原 チョイバルサン (村) グルバングザル (村) ダッシュバルバル (村) バヤンツーン (村) セルゲレン (村) ドチ (川) ガリン川 フッフ湖 チョイバルサン チンギスハーン ツァヴ オラーン ムホル バヤンウール サルヒート デルゲルムンフ ツァガンチョルトホダク マルダイ フッフ 丘 トゥムルティンオボ ヌフットダワー ハルアイラグ ケルレン川 マンダルゴビ ボルウインドゥル ルギーンゴル ドルノゴビ (東ゴビ) 県 サインシャンド

Appendix 1. Correlation Table of Terminology (2)

MONGOLIAN	RUSSIAN	ENGLISH	JAPANESE
Цагаансубурага	Цагаансубурга	Tsagaansuvraga	ツァーガンズヴラグ
Дорноговь	Дорноговь	Dornogovi	ドルノゴビ (東ゴビ県)
Өмнөговь	Умнуговь	Umnugovi	ウムヌゴビ (南ゴビ県)
Дундговь	Дундговь	Dundgovi	ドゥンドゴビ (中央ゴビ県)
Даланзадгал	Даланзадгал	Dalanzadgad	ダランザダガド
Мандаха	Мандаха	Mandaha	マンダハ
Манлай	Манлай	Manlai	マンライ
Цогтцэцй	Цогтцэцй	Tsogttsechii	ツォグトツェツィ
Ханбогд	Ханбогд	Hanbogd	ハンボグト
Баян Овоо	Баян Ово	Bayan Ovoo	バヤンオボ
Өлзийт	Улзийт	Ulziit	ウルズイート
Наринхудук	Наринхудук	Narinhuduk	ナリンホダク
Хармагтай	Хармагтай	Harmagtai	ハルマクタイ
Ихэ Шанхай	Ихэ Шанхай	Ih Shanhai	イヒシャンハイ
Дучин Хурал	Дучин Хурал	Duchin Hurai	ドゥッチンホラル
Сэрвэн Сухайт	Сэрвэн Сухайт	Serven Suhait	セルベンスハイト
Цагаан Цав	Цагаан Цав	Tsagaan Tsav	ツァーガンツァヴ
Хунгут	Хунгут	Hungut	フングート
Овооту Хира	Овооту Хира	Ovootu Hira	オボトヒラ
Шутэн	Шутэн	Syuten	シュテン
Ухаа Худаг	Уха Худук	Uhaa Hudak	ウハホダク
Өлзийт	Улзийт Район	Ulziit District	ウルジート 地区
Өмнөговь	Умнуговь	Umnugovi	ウムヌゴビ (南ゴビ県)
Дундговь	Дундговь	Dundgovi	ドゥンドゴビ (中央ゴビ県)
Даланзадгал	Даланзадгал	Dalanzadgad	ダランザダガド (市)
Говь Алтай Нуруу	Говь Алтай Горлан Дель	Govi Altai Mountains	ゴビアルтай山脈
Мандал Овоо	Мандал Ово	Mandal Ovoo	マンダロオボ
Цогт Овоо	Цогт Ово	Tsogt Ovoo	ツォグトオボ
Хуртэл Харна	Хуртэл Харна	Hurutel Barna	フルテルハルナ
Чойр	Чойр	Choir	チョイル
Улгийя	Улгейя	Ulgii	ウルギー
Мушгяа Худаг	Мушугай	Mushgia Hudak	ムシギアホダク
Баян Хушу	Баян Хушу	Bayan Hushuu	バヤンホシュー
Баян Овоот	Баян Овоот	Bayan Ovoot	バヤンオボト
Олон Овоот	Олон Овоот	Olon Ovoot	オロンオボト
Хоримт Худук	Хоримт Худук	Horimt Huduk	ホリムトホダク
Унегт Уул	Унегт Уул	Unegt Uul	ウネグトウール
Бороодон	Бородон	Boroodon	ボロドオン
Тахирга Уул	Тахирга Ула	Tahilga Uula	タヒルガウラ
Цагаан Уул	Цагаан Ула	Tsagaan Uula	ツァーガンウラ
Зуун Хайхан Уул	Зуун Хайхан Уул	Zuun Hailhan Uul	ズーンハイルハンウール
Хутулин Толгой	Хутулин Толгой	Hutulin Tolgoi	フツリントルゴイ
Макангин Хурен Уул	Макангин Хурен Уул	Makangiin Huren Uul	マカンギンフレンウール
Дагаа Уул	Дага Ула	Daaga Uul	ダーガウール
Дугших	Дугших	Dugshih	ドグシヒ
Баян Бор Нуруу	Баян Бор Нуруу	Bayan Bor Nuruu	バヤンボルノロー
Султийн Худаг	Султийн Худаг	Sultiin Hudag	スルティーンホダク
Реперный	Реперный	Reperny	レベルニイ
Хараат Шанд	Хараат Шанд	Haraat Shand	ハラートシャンド
Дэрсэн Ус Худаг	Дэрсэн Ус Худаг	Dersen Us Hudag	デルセンオスホダク
Аягч	Аягч	Ayaguch	アヤグチ
Онх	Онх	Onh	オンホ
Авдрангийн Хар	Авдрангийн Хар	Avdrangiin Har	アブドラングインハル
Соириг	Соириг	Soirig	ソイリグ
Мунх Цагаан Толгой	Мунх Цагаан Толгой	Munh Tsagaan Tolgoi	ムンフツァーガントルゴイ
Залаа Уул	Залаа Уул	Zalaa Uul	ザラウール
Онгон Цагаан Толгой	Онгон Цагаан Толгой	Ongon Tsagaan Tolgoi	オンゴンツァーガントルゴイ
Сологой	Сологой	Sologoi	ソロゴイ
Морит	Морит	Morit	モリト
Хутул Ус	Хутул Ус	Hutul Us	フトウルオス
Өлзийт Овоо	Улзийт Ово	Ulziit Ovoo	ウルジートオボ
Сологой Баян	Сологод Баян	Sologoi Bayan	ソロゴイバヤン
Хетуу Цагаан Уул	Хетуу Цагаан Уул	Hetsuu Tsagaan Uul	ヘツウツァーガントルゴイ
Өндөр Өд	Ундур Уда	Undur Uda	ウンドウルウダ
Хармагтай Умар	Север Хармагтай	North Harmagtai	ハルマクタイ北
Даянгол	Даянгол	Dayangol	ダヤンゴル
Шувуун Худаг	Шувуун Худаг	Shvuun Hudag	シュブーンホダク
Гурван Сайхан	Гурван Сайхан	Gurvan Saihan	ゴルバンサイハン
Сайр	Сайр	Sair	サイル (湖川)

**Appendix 2. Result of Laboratory Works**



**Appendix 2- 1 List of Laboratory Works**



Appendix 2-1 List of Laboratory Works

Testing items	Quantity					Total
	Geological survey		Geochemical survey	Geophysical survey	Total	
	Reconnaissance survey	Semi-detailed survey				
1. Thin section	20	5	3	—	28	
2. Polished section	10	5	3	—	18	
3. Whole rock chemical analysis	50	5	3	—	58	
4. Ore analysis	208	21	—	—	229	
5. Geochemical analysis	—	—	1,900	—	1,900	
1) (Au, Ag)	—	—	1,900	—	1,900	
2) (Au, Ag, Hg, As, Sb, W, Mo)	—	500	101	—	601	
6. X-ray diffraction test	100	50	50	—	200	
7. Dating (K-Ar method)	8	1	1	—	10	
8. Fluid inclusion test	74	6	15	—	95	
9. Resistivity measurement test	—	—	—	56	56	
Total	470	593	2,076	56	3,195	



**Appendix 2- 2 Microscopic observations (Thin Section)**



Appendix 2-2 MICROSCOPIC OBSERVATIONS (THIN SECTION)

No. SAMPLE No.	LOCALITY	MINERAL	PRIMARY MINERAL													SECONDARY MINERAL										COORDINATES											
			Quartz	Plagioclase	K-feldspar	Nepheline	Rhyolite	Phlogopite	Muscovite	Amphibole	Orthopyroxene	Clinopyroxene	Olivine	Opaque mineral	Sphene	Zircon	Apatite	Epidote	Tourmaline	Glass	Quartz	K-feldspar	Sphene	Carbonate mineral	Sericite	Chlorite	Epidote	Blotite	Actinolite	Goeschite	Zeolite	Stilpnomelane	Tourmaline	Clay mineral			
1	A80901	BUGSBIH	⊙				Δ																												105° 08' 47.43"	44° 23' 02.15"	
2	DH80764	BUGSBIH	⊙				Δ																												104° 56' 00.76"	44° 24' 22.86"	
3	DH80763	BUGSBIH	⊙				Δ																												104° 55' 58.22"	44° 24' 13.07"	
4	A82801	NORTH HAWAGATA	⊙				Δ																												105° 26' 00.00"	44° 20' 32.00"	
5	A82801	NORTH HAWAGATA	⊙				Δ																												105° 26' 00.00"	44° 20' 32.00"	
6	A82901	NORTH HAWAGATA	⊙				Δ																												105° 26' 00.00"	44° 20' 32.00"	
7	A83101	OLON OV007	⊙				Δ																												104° 24' 25.91"	44° 27' 19.08"	
8	A81011	ONH	⊙				Δ																												105° 17' 17.99"	44° 29' 22.81"	
9	A81802	SOIRIG	⊙				Δ																												105° 53' 38.23"	45° 49' 54.75"	
10	A81701	SOIRIG	⊙				Δ																												105° 43' 32.74"	45° 48' 43.83"	
11	A81804	SOIRIG	⊙				Δ																												106° 14' 32.83"	45° 58' 43.83"	
12	A81901	SOLOBOI	⊙				Δ																												106° 14' 32.83"	45° 58' 43.83"	
13	A82101	SOLOBOI	⊙				Δ																												106° 14' 32.83"	45° 58' 43.83"	
14	A82102	SOLOBOI	⊙				Δ																												106° 14' 32.83"	45° 58' 43.83"	
15	A82103	SOLOBOI	⊙				Δ																												106° 14' 32.83"	45° 58' 43.83"	
16	A82104	SOLOBOI	⊙				Δ																												106° 14' 32.83"	45° 58' 43.83"	
17	A82105	SOLOBOI	⊙				Δ																												106° 14' 32.83"	45° 58' 43.83"	
18	A82106	SOLOBOI	⊙				Δ																												106° 14' 32.83"	45° 58' 43.83"	
19	A82107	SOLOBOI	⊙				Δ																												106° 14' 32.83"	45° 58' 43.83"	
20	A82503	UNDUR UDA	⊙				Δ																												104° 45' 32.00"	44° 54' 37.00"	
21	0170503	OLON OV007	⊙				Δ																												106° 44' 57.00"	44° 54' 20.00"	
22	0582403	OLON OV007	⊙				Δ																												104° 11' 10.00"	44° 23' 14.00"	
23	0A82804	OLON OV007	⊙				Δ																												104° 09' 40.00"	44° 23' 47.00"	
24	0147550	OLON OV007	⊙				Δ																													104° 09' 40.00"	44° 23' 47.00"
25	0H70504	OLON OV007	⊙				Δ																													104° 09' 40.00"	44° 23' 47.00"
26	0S70403	OLON OV007	⊙				Δ																													104° 10' 34.00"	44° 23' 08.00"
27	0B44300	OLON OV007	⊙				Δ																													104° 10' 56.00"	44° 21' 59.00"
28	0280875	OLON OV007	⊙				Δ																													104° 10' 56.00"	44° 21' 59.00"

⊙: Abundant ○: Common Δ: Poor ○: Pseudomorph



**Appendix 2- 3 Microscopic observations (Polished Section)**



Appendix 2-3 MICROSCOPIC OBSERVATION (POLISHED SECTION)

No.	SAMPLE No.	LOCALITY	ROCK NAME	MINERAL	Pyrite	Pyrrhohite	Magnetite	Hematite	Maghemite	Goethite	Lepidochrosite	Ilmenite	TiO <sub>2</sub> -Mineral	Oxidic-Manganese	Chalcopyrite	Chalcoite	Covellite	Galena	Native-Gold	Electrum	Native-Silver	COORDINATES	
																						EAST	NORTH
1	0H70505	Olon Ovoot	Mn-oxide-qz v							○				△								104° 11' 32"	44° 21' 57"
2	0S70302	Olon Ovoot	milky wht vqz							•											• ?	104° 10' 54"	44° 22' 37"
3	0S70401	Olon Ovoot	silicified sandstone							△												104° 11' 01"	44° 21' 37"
4	0S70402	Olon Ovoot	hematite skarn					◎		△												104° 10' 57"	44° 21' 59"
5	0S70524	Olon Ovoot	silicified dol sh					△		△												104° 10' 37"	44° 22' 10"
6	0292060	Olon Ovoot	auriferous vqz							○											○	Sample numbers show the co-ordinates on the detailed survey grid. (refer to PL. II-4-1)	
7	0302100	Olon Ovoot	auriferous vqz							◎												104° 07' 45"	44° 23' 18"
8	0034225	Olon Ovoot	milky wht vqz, sulfide							○					△							104° 56' 2.57"	44° 23' 0.71"
9	0S70510	Olon Ovoot	milky wht vqz, grn Cu							△												104° 52' 37.7"	44° 24' 22.81"
10	SS80702	Dugshih	black min. chal vqz							△												105° 20' 49.87"	44° 36' 14.09"
11	BS80814	Dugshih	sulfide bearing vqz							△												105° 52' 46.59"	45° 50' 9.18"
12	A81002	Onh	magnetite, qz v					◎		○												105° 52' 46.59"	45° 50' 9.18"
13	H81715	Soirig	py bearing wht sil r							•												106° 14' 32.31"	44° 27' 17.16"
14	H82914	North Harmaxtai	vqz							○												106° 57' 27.86"	45° 21' 30.05"
15	H82107	Sologoi	oxidid sulf rich vqz							○												106° 58' 7.35"	45° 6' 26.83"
16	H82207	Sologoi	dk gry sil r							△												106° 36' 30.32"	45° 10' 47.6"
17	S82805	Sologoi	Cp gn bearing vqz							○												106° 45' 31.82"	44° 54' 37.37"
18	H82504	Undur Uda	grn Cu sulf, vqz							△												106° 45' 31.82"	44° 54' 37.37"

◎ : Abundant ○ : Common △ : Poor • : Rare



Appendix 2- 4 Results of whole rock chemical analyses (1)~(2)



Appendix 2-4 Results of whole rock chemical analyses (1)

sample no.	rock name	SiO <sub>2</sub> %	TiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	Fe <sub>2</sub> O <sub>3</sub> %	FeO %	MnO %	MgO %	CaO %	Na <sub>2</sub> O %	K <sub>2</sub> O %	P <sub>2</sub> O <sub>5</sub> %	LOI %	Total	longitude(east)	latitude (north)	
1	A80801	chl microdiorite	53.79	1.57	14.57	7.10	5.24	0.19	3.28	4.84	3.77	0.33	0.47	3.18	98.33	104° 53' 13"	44° 23' 48"
2	A80802	chl diorite	61.76	1.20	14.26	7.27	1.52	0.11	0.90	2.43	4.89	2.23	0.47	3.36	100.40	104° 53' 16"	44° 24' 29"
3	A80901	rhyolite tuff	73.22	0.28	13.96	2.51	0.69	0.09	1.08	0.97	2.48	2.99	0.11	2.47	100.85	105° 08' 47"	44° 23' 02"
4	DH80704	meta-gabbro	54.99	1.46	14.25	5.68	5.32	0.14	3.77	4.66	6.07	0.69	0.26	1.70	98.99	104° 56' 01"	44° 24' 23"
5	DH80805	quartz porphyry	75.96	0.25	12.46	0.86	1.68	0.05	1.77	0.52	3.72	1.13	0.10	1.99	100.49	104° 45' 02"	44° 26' 28"
6	H80905	carbonate rock	4.67	0.06	1.13	0.17	0.25	0.14	1.13	49.88	0.29	0.20	<0.01	40.96	98.88	104° 57' 40"	44° 29' 16"
7	TH80703	rhyolite	80.04	0.24	10.71	0.61	0.29	0.02	0.25	0.60	6.07	0.18	0.09	0.57	99.67	104° 55' 58"	44° 24' 12"
8	A82801	meta-gabbro	51.84	0.89	15.22	4.46	3.21	0.12	5.56	10.18	3.43	1.54	0.24	2.34	99.03	105° 56' 06"	44° 20' 35"
9	A82802	diorite	60.95	0.39	17.42	0.86	2.42	0.16	2.65	3.85	7.31	0.65	0.18	4.16	101.01	105° 54' 59"	44° 23' 48"
10	A82901	mafic schist	54.98	0.67	15.20	2.78	6.25	0.18	4.39	6.52	4.45	1.04	0.25	2.01	98.72	105° 44' 41"	44° 19' 16"
11	A82902	diorite	58.06	0.74	17.36	3.41	1.97	0.11	2.97	3.98	5.40	4.39	0.57	1.32	100.28	105° 44' 35"	44° 18' 49"
12	A82903	chl granodiorite	65.35	0.45	16.35	2.15	1.14	0.06	2.00	2.83	5.64	4.12	0.32	0.89	101.30	105° 45' 35"	44° 18' 27"
13	A83001	green schistose tuff	37.55	0.78	12.07	2.83	4.74	0.22	7.66	11.15	0.55	2.05	0.27	18.88	98.75	105° 57' 25"	44° 25' 08"
14	A81101	altered basalt	51.26	2.63	14.62	7.56	1.60	0.19	1.46	7.76	4.11	1.46	1.60	5.50	99.75	104° 24' 26"	44° 27' 19"
15	A81003	chl granodiorite	62.17	0.33	18.36	1.88	2.43	0.07	3.03	2.96	6.47	0.55	0.34	2.49	101.08	105° 22' 55"	44° 43' 24"
16	H81011	pink granite	77.46	0.08	12.69	0.82	0.34	0.01	0.13	0.35	4.03	4.12	0.11	0.53	100.67	105° 17' 13"	44° 39' 23"
17	H81014	andesite	63.67	0.86	17.10	4.48	0.56	0.05	2.02	2.26	4.69	2.44	0.23	3.03	101.39	105° 21' 44"	44° 43' 48"
18	A81701	pink chl granite	66.82	0.61	16.02	2.98	0.93	0.06	1.07	2.56	4.46	4.14	0.22	1.38	101.25	105° 43' 33"	44° 38' 44"
19	A81702	microdiorite	58.84	0.99	17.54	3.94	2.89	0.15	2.49	5.07	4.69	2.05	0.43	1.66	100.74	105° 44' 29"	44° 39' 04"
20	A81703	rhyolite	70.33	0.35	15.54	1.32	1.07	0.08	0.60	1.24	4.42	3.36	0.19	2.04	100.54	105° 42' 30"	44° 35' 23"
21	A81801	py sil granite	77.33	0.11	12.18	1.13	0.20	<0.01	0.03	0.21	4.33	4.77	0.10	0.47	100.86	105° 53' 09"	44° 50' 20"
22	A81802	granite porphyry	71.97	0.26	14.37	1.98	0.27	0.06	0.33	1.07	4.79	4.16	0.15	0.77	100.18	105° 53' 38"	44° 49' 55"
23	A81803	monzonite	70.46	0.42	14.55	2.16	0.33	0.06	0.68	1.52	3.32	5.40	0.15	1.34	100.49	106° 09' 57"	44° 58' 31"
24	A81804	rhyolite	73.71	0.28	14.23	1.45	0.22	0.01	0.25	0.31	4.36	4.13	0.10	1.05	100.10	106° 14' 34"	44° 58' 13"
25	A81901	granophyre	74.65	0.09	13.48	0.84	0.34	0.01	0.22	0.73	3.79	5.00	0.10	1.08	100.33	106° 51' 32"	44° 16' 25"
26	A82002	granite	74.12	0.13	14.98	0.77	0.20	0.01	0.20	0.62	3.09	5.60	0.15	1.33	101.20	106° 51' 39"	44° 27' 45"
27	A82003	monzonite porphyry	72.04	0.32	14.58	2.33	0.24	0.08	0.17	1.27	7.25	1.43	0.24	0.96	100.91	106° 53' 34"	44° 30' 36"
28	A82101	granite	67.25	0.24	17.08	3.53	0.44	0.04	0.29	0.41	5.44	5.08	0.11	1.43	101.34	106° 59' 17"	44° 22' 31"
29	A82103	rhyolite	76.99	0.03	13.32	0.57	0.18	<0.01	0.11	0.37	2.49	6.04	0.11	0.84	101.05	106° 59' 01"	44° 21' 60"
30	A82104	green trachybasalt	48.95	2.35	17.07	3.68	5.76	0.13	3.14	3.91	4.52	3.50	0.84	5.16	99.01	106° 57' 36"	44° 21' 52"
31	A82105	diorite	52.66	1.28	15.72	1.18	6.41	0.17	6.14	8.26	2.91	2.38	0.22	1.98	99.31	106° 57' 42"	44° 21' 31"
32	A82106	chl basalt	48.44	1.54	16.74	1.72	6.50	0.15	5.49	6.65	3.39	3.03	0.55	4.67	98.87	106° 56' 53"	44° 21' 18"
33	A82110	leucogranite	76.04	0.12	13.20	1.08	0.21	0.02	0.15	0.77	3.58	4.86	0.12	0.55	100.70	106° 46' 31"	44° 19' 59"
34	A82201	chl granite	72.61	0.22	14.02	1.17	0.40	0.01	0.35	0.50	2.52	6.81	0.19	1.42	100.22	106° 53' 58"	44° 05' 27"
35	A82301	nepheline dolerite	47.01	1.42	16.06	4.99	5.12	0.15	6.16	8.18	2.26	0.40	0.21	6.67	98.63	106° 41' 39"	44° 16' 13"

Appendix 2-4. Results of whole rock chemical analyses (2)

sample no.	rock name	SiO <sub>2</sub> %	TiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	Fe <sub>2</sub> O <sub>3</sub> %	FeO %	MnO %	MgO %	CaO %	Na <sub>2</sub> O %	K <sub>2</sub> O %	P <sub>2</sub> O <sub>5</sub> %	LOI %	Total	longitude(east)	latitude(north)
36	A82302	granite	73.14	0.08	15.17	0.39	0.24	0.01	0.17	0.48	3.48	5.57	0.19	1.11	106° 41' 39"	44° 16' 13"
37	A82401	trachyandesite	54.79	1.12	16.51	2.01	5.05	0.11	3.60	4.86	3.10	3.28	0.34	4.71	106° 38' 47"	44° 10' 24"
38	A90101	dacite	69.11	0.43	16.06	2.42	0.29	0.03	0.44	3.23	4.27	2.47	0.25	2.05	104° 38' 31"	44° 03' 20"
39	A90102	andesite	66.96	0.43	15.42	2.12	0.77	0.04	1.56	2.80	4.15	3.16	0.19	3.57	104° 40' 52"	44° 07' 14"
40	A90103	diorite	57.19	1.21	16.18	1.25	5.14	0.12	3.37	5.63	4.07	2.08	0.55	2.46	104° 38' 09"	44° 09' 24"
41	A90104	pink granite	76.41	0.17	12.79	1.07	0.46	0.03	0.33	0.56	3.98	3.88	0.10	0.81	104° 31' 16"	44° 12' 03"
42	A81501	andesite	59.33	1.77	15.71	6.09	0.49	0.12	0.98	4.61	4.09	4.02	0.96	2.48	104° 44' 18"	44° 54' 48"
43	A81502	meta-gabbro	48.19	1.80	17.07	3.10	6.12	0.14	5.48	7.99	3.67	1.52	0.64	2.77	104° 47' 08"	44° 55' 00"
44	A82501	leucogranite	76.86	0.12	12.36	0.69	0.25	0.02	0.09	0.58	3.68	4.80	0.12	0.51	106° 50' 56"	44° 56' 53"
45	A82503	tonalite	73.73	0.16	15.32	1.15	0.53	0.03	0.80	1.67	4.32	1.51	0.14	1.13	106° 45' 32"	44° 54' 37"
46	A82504	porphyrite	71.79	0.53	14.03	1.71	0.20	0.02	0.13	0.52	3.95	4.69	0.19	1.18	106° 44' 57"	44° 54' 20"
47	A82505	rhyolite	79.13	0.08	12.94	0.63	0.15	<0.01	0.41	0.42	2.89	2.04	0.09	1.71	106° 38' 03"	44° 45' 44"
48	A82602	quartz porphyry	76.13	0.11	13.47	0.69	0.27	0.05	0.12	0.35	4.58	3.88	0.08	0.62	106° 40' 24"	44° 55' 49"
49	A82603	trachybasalt	49.12	1.18	16.92	6.67	2.52	0.15	6.26	6.72	2.84	0.65	0.47	5.06	106° 39' 28"	44° 56' 36"
50	A82604	granite	70.37	0.27	15.73	1.59	0.12	0.04	0.38	1.04	5.07	1.80	0.43	2.11	106° 39' 17"	44° 57' 18"
51	OH70503	nepheline basalt	42.78	1.72	13.40	5.91	2.58	0.13	8.06	10.98	5.91	0.95	2.23	4.97	104° 11' 10"	44° 23' 14"
52	OH70504	nepheline basalt	56.34	1.15	15.04	4.63	0.91	0.08	4.23	6.08	4.44	5.10	1.07	0.91	104° 10' 34"	44° 23' 08"
53	OS62403	meta-gabbro	49.00	1.28	14.88	5.21	7.72	0.20	4.71	6.96	3.79	0.18	0.18	2.98	104° 09' 40"	44° 22' 47"
54	OS70403	meta-quartz diorite	54.73	1.10	14.72	5.94	4.80	0.17	3.33	4.64	3.64	0.72	0.18	4.24	104° 10' 56"	44° 21' 59"
55	OA62904	sandstone	73.53	0.56	11.11	1.77	2.98	0.06	2.74	0.65	1.92	1.44	0.27	3.23	104° 09' 48"	44° 23' 01"
56	0124750	chl diorite	54.08	1.21	14.37	4.28	6.88	0.17	4.23	6.20	3.14	0.52	0.18	2.82	co-ordinates on the detailed	
57	0290675	meta-tonalite	61.56	1.30	14.52	7.01	2.68	0.15	2.98	5.09	4.59	0.20	0.17	9.21	survey grid (refer to PL. II-6-1)	
58	0783250	alt psammitic schist	78.86	0.40	8.08	2.78	0.23	0.07	1.00	2.68	0.11	0.09	0.18	6.31	100.79	

Abbreviations: chl:chloritized, py:pyrite disseminated, sil:silicified

**Appendix 2- 5 Chemical compositions and CIPW Norms (1)~(10)**



Appendix 2-5 Chemical compositions and CIPW Norms (1)

	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )
sample no.	A80801	A80802	A80901	DH80704	DH80805	H80905
SiO <sub>2</sub>	53.79	61.76	73.22	54.99	75.96	4.67
TiO <sub>2</sub>	1.57	1.20	0.28	1.46	0.25	0.06
Al <sub>2</sub> O <sub>3</sub>	14.57	14.28	13.96	14.25	12.46	1.13
Fe <sub>2</sub> O <sub>3</sub>	7.10	7.27	2.51	5.68	0.87	0.17
FeO	5.24	1.52	0.69	5.32	1.68	0.25
MnO	0.19	0.11	0.09	0.14	0.05	0.14
MgO	3.28	0.90	1.08	3.77	1.77	1.13
CaO	4.84	2.43	0.97	4.66	0.52	49.88
Na <sub>2</sub> O	3.77	4.89	2.48	6.07	3.72	0.29
K <sub>2</sub> O	0.33	2.23	2.99	0.69	1.13	0.20
P <sub>2</sub> O <sub>5</sub>	0.47	0.47	0.11	0.26	0.10	0.00
H <sub>2</sub> O <sup>+</sup>	0.00	0.00	0.00	0.00	0.00	0.00
H <sub>2</sub> O <sup>-</sup>	0.00	0.00	0.00	0.00	0.00	0.00
Total	95.15	97.04	98.38	97.29	98.51	57.92
FeO*	11.63	8.06	2.95	10.43	2.46	0.40
FeO*/MgO	3.55	8.96	2.73	2.77	1.39	0.36
CIPW NORM						
Q	15.96	19.55	43.97	3.39	45.59	
C	0.32	0.50	5.14	0.00	4.41	
or	1.95	13.18	17.67	4.08	6.68	
ab	31.90	41.38	20.99	51.36	31.48	
an	20.97	9.02	4.10	9.60	1.93	
lc	0.00	0.00	0.00	0.00	0.00	
ne	0.00	0.00	0.00	0.00	0.00	
kp	0.00	0.00	0.00	0.00	0.00	
ac	0.00	0.00	0.00	0.00	0.00	
vo	0.00	0.00	0.00	4.94	0.00	
en	8.17	2.24	2.69	9.39	4.41	
fs	1.52	0.00	0.00	2.93	2.05	
fo	0.00	0.00	0.00	0.00	0.00	
fa	0.00	0.00	0.00	0.00	0.00	
cs	0.00	0.06	0.00	0.00	0.00	
st	10.29	1.78	1.71	8.24	1.26	
hu	0.00	6.04	1.33	0.00	0.00	
il	2.98	2.28	0.53	2.77	0.47	
ru	0.00	0.00	0.00	0.00	0.00	
ap	1.11	1.11	0.26	0.62	0.24	
E.femic	24.08	13.46	6.52	28.88	8.43	
D. I.	49.81	74.10	82.63	58.83	83.75	
rock series	TH	TH	CA	TH	CA	

\*: Total Fe as FeO

Appendix 2-5 Chemical compositions and CIPW Norms (2)

	(7)	(8)	(9)	(10)	(11)	(12)
sample no.	TH80703	A82801	A82802	A82901	A82902	A82903
SiO <sub>2</sub>	80.04	51.84	60.96	54.98	58.06	65.35
TiO <sub>2</sub>	0.24	0.39	0.39	0.67	0.74	0.45
Al <sub>2</sub> O <sub>3</sub>	10.71	15.22	17.42	15.20	17.36	16.35
Fe <sub>2</sub> O <sub>3</sub>	0.61	4.47	0.86	2.78	3.41	2.15
FeO	0.29	3.21	2.42	6.25	1.97	1.14
MnO	0.02	0.12	0.16	0.18	0.11	0.06
MgO	0.25	5.56	2.65	4.39	2.97	2.00
CaO	0.60	10.18	3.85	6.52	3.98	2.83
Na <sub>2</sub> O	6.07	3.43	7.31	4.45	5.40	5.64
K <sub>2</sub> O	0.18	1.54	0.65	1.04	4.39	4.12
P <sub>2</sub> O <sub>5</sub>	0.09	0.24	0.18	0.25	0.57	0.32
H <sub>2</sub> O <sup>+</sup>	0.00	0.00	0.00	0.00	0.00	0.00
H <sub>2</sub> O <sup>-</sup>	0.00	0.00	0.00	0.00	0.00	0.00
Total	99.10	96.70	96.85	96.71	98.96	100.41
FeO*	0.84	7.23	3.19	8.75	5.04	3.07
FeO*/MgO	3.36	1.30	1.21	1.99	1.70	1.54
CIPW NORM						
Q	42.84	2.04	3.82	4.13	0.00	9.67
C	0.00	0.00	0.00	0.00	0.00	0.00
or	1.06	9.10	3.84	6.15	25.94	24.35
ab	51.36	29.02	61.85	37.65	45.69	47.72
an	1.44	21.58	12.80	18.43	10.16	7.13
lc	0.00	0.00	0.00	0.00	0.00	0.00
ne	0.00	0.00	0.00	0.00	0.00	0.00
kp	0.00	0.00	0.00	0.00	0.00	0.00
ac	0.00	0.00	0.00	0.00	0.00	0.00
wo	0.40	11.43	2.14	5.14	2.46	2.02
en	0.62	13.85	6.60	10.93	6.59	4.98
fs	0.00	0.95	3.39	8.41	0.00	0.00
fo	0.00	0.00	0.00	0.00	0.57	0.00
fa	0.00	0.00	0.00	0.00	0.00	0.00
cs	0.00	0.00	0.00	0.00	0.00	0.00
mt	0.30	6.48	1.25	4.03	4.56	2.57
hm	0.40	0.00	0.00	0.00	0.26	0.38
il	0.46	1.69	0.74	1.27	1.41	0.85
ru	0.00	0.00	0.00	0.00	0.00	0.00
ap	0.21	0.57	0.43	0.59	1.35	0.76
Σ femic	2.39	34.97	14.55	30.37	17.20	11.56
D. I.	95.27	40.16	69.52	47.93	71.64	81.74
rock series	CA	CA	CA	TH	CA	CA

\*: Total Fe as FeO

Appendix 2-5 Chemical compositions and CIPW Norms (3)

	( 13 )	( 14 )	( 15 )	( 16 )	( 17 )	( 18 )
sample no.	A83001	A81101	A81003	H81011	H81014	A81701
SiO2	37.55	51.26	62.17	77.46	63.67	66.82
TiO2	0.78	2.63	0.33	0.08	0.86	0.61
Al2O3	12.07	14.62	18.36	12.69	17.10	16.02
Fe2O3	2.84	7.56	1.88	0.82	4.48	2.98
FeO	4.74	1.60	2.43	0.34	0.56	0.93
MnO	0.22	0.19	0.07	0.01	0.05	0.06
MgO	7.66	1.46	3.03	0.13	2.02	1.07
CaO	11.15	7.76	2.96	0.35	2.26	2.56
Na2O	0.55	4.11	6.47	4.03	4.69	4.46
K2O	2.05	1.46	0.55	4.12	2.44	4.14
P2O5	0.27	1.60	0.34	0.11	0.23	0.22
H2O+	0.00	0.00	0.00	0.00	0.00	0.00
H2O-	0.00	0.00	0.00	0.00	0.00	0.00
Total	79.88	94.25	98.59	100.14	98.36	99.87
FeO*	7.30	8.40	4.12	1.08	4.59	3.61
FeO*/MgO	0.95	5.76	1.36	8.29	2.27	3.38
CIPW NORM						
Q	0.00	9.81	11.39	37.61	19.98	18.57
C	0.00	0.00	2.54	1.22	3.41	0.07
or	12.11	8.63	3.25	24.35	14.42	24.47
ab	3.69	34.78	54.75	34.10	39.69	37.74
an	24.41	17.13	12.49	1.02	9.09	11.28
lc	0.00	0.00	0.00	0.00	0.00	0.00
ne	0.52	0.00	0.00	0.00	0.00	0.00
kp	0.00	0.00	0.00	0.00	0.00	0.00
ac	0.00	0.00	0.00	0.00	0.00	0.00
vo	12.18	3.67	0.00	0.00	0.00	0.00
en	8.64	3.64	7.55	0.32	5.03	2.67
fs	2.48	0.00	2.49	0.00	0.00	0.00
fo	7.32	0.00	0.00	0.00	0.00	0.00
fa	2.32	0.00	0.00	0.00	0.00	0.00
cs	0.00	0.00	0.00	0.00	0.00	0.00
mt	4.12	0.00	2.73	0.90	0.00	1.42
hm	0.00	7.56	0.00	0.20	4.48	2.00
il	1.48	3.79	0.63	0.15	1.29	1.16
ru	0.00	0.00	0.00	0.00	0.00	0.00
ap	0.64	3.79	0.81	0.26	0.54	0.52
E femic	39.16	22.45	14.20	1.83	11.35	7.77
D. I.	16.33	53.22	69.38	96.06	74.08	80.77
rock series	TH	TH	CA	TH	CA	CA

\*: Total Fe as FeO

Appendix 2-5 Chemical compositions and CIPW Norms (4)

	( 19 )	( 20 )	( 21 )	( 22 )	( 23 )	( 24 )
sample no.	A81702	A81703	A81801	A81802	A81803	A81804
SiO2	58.84	70.33	77.33	71.97	70.46	73.71
TiO2	0.99	0.35	0.11	0.26	0.42	0.28
Al2O3	17.54	15.54	12.18	14.37	14.65	14.23
Fe2O3	3.94	1.32	1.13	1.98	2.16	1.45
FeO	2.89	1.07	0.20	0.27	0.33	0.22
MnO	0.15	0.08	0.00	0.06	0.06	0.01
MgO	2.49	0.60	0.03	0.33	0.68	0.25
CaO	5.07	1.24	0.21	1.07	1.52	0.31
Na2O	4.69	4.42	4.33	4.79	3.32	4.36
K2O	2.05	3.36	4.77	4.16	5.40	4.13
P2O5	0.43	0.19	0.10	0.15	0.15	0.10
H2O+	0.00	0.00	0.00	0.00	0.00	0.00
H2O-	0.00	0.00	0.00	0.00	0.00	0.00
Total	99.08	98.50	100.39	99.41	99.15	99.05
FeO*	6.44	2.26	1.22	2.05	2.27	1.52
FeO*/MgO	2.58	3.76	40.56	6.22	3.34	6.10
CIPW NORM						
Q	10.37	28.54	33.97	25.82	26.63	31.80
C	0.00	2.83	0.00	0.40	0.93	2.29
or	12.11	19.86	28.19	24.58	31.91	24.41
ab	39.69	37.40	36.09	40.53	28.09	36.89
an	20.75	4.92	0.00	4.34	6.57	0.81
lc	0.00	0.00	0.00	0.00	0.00	0.00
ne	0.00	0.00	0.00	0.00	0.00	0.00
kp	0.00	0.00	0.00	0.00	0.00	0.00
ac	0.00	0.00	0.48	0.00	0.00	0.00
wo	0.68	0.00	0.00	0.00	0.00	0.00
en	6.20	1.49	0.07	0.82	1.69	0.62
fs	0.70	0.45	0.00	0.00	0.00	0.00
fo	0.00	0.00	0.00	0.00	0.00	0.00
fa	0.00	0.00	0.00	0.00	0.00	0.00
cs	0.00	0.00	0.00	0.00	0.00	0.00
mt	5.71	1.91	0.33	0.31	0.04	0.00
hm	0.00	0.00	0.74	1.76	2.13	1.45
il	1.88	0.66	0.21	0.49	0.80	0.49
ru	0.00	0.00	0.00	0.00	0.00	0.00
ap	1.02	0.45	0.24	0.36	0.36	0.24
Σ feric	16.19	4.97	2.07	3.75	5.02	2.80
D. I.	62.17	85.79	98.25	90.94	86.64	93.10
rock series	TR	CA	TH	TH	CA	TH

\*: Total Fe as FeO

Appendix 2-5 Chemical compositions and CIPW Norms (5)

	( 25)	( 26)	( 27)	( 28)	( 29)	( 30)
sample no.	A81901	A82002	A82003	A82101	A82103	A82104
SiO2	74.65	74.12	72.04	67.25	76.99	48.95
TiO2	0.09	0.13	0.32	0.24	0.03	2.35
Al2O3	13.48	14.98	14.58	17.08	13.32	17.07
Fe2O3	0.84	0.77	2.33	3.53	0.57	3.69
FeO	0.34	0.20	0.24	0.44	0.18	5.76
MnO	0.01	0.01	0.08	0.04	0.00	0.13
MgO	0.22	0.20	0.17	0.29	0.11	3.14
CaO	0.73	0.62	1.27	0.41	0.37	3.91
Na2O	3.79	3.09	7.25	5.44	2.49	4.52
K2O	5.00	5.60	1.43	5.08	6.04	3.50
P2O5	0.10	0.15	0.24	0.11	0.11	0.84
H2O+	0.00	0.00	0.00	0.00	0.00	0.00
H2O-	0.00	0.00	0.00	0.00	0.00	0.00
Total	99.25	99.87	99.95	99.91	100.21	93.86
FeO*	1.10	0.89	2.34	3.62	0.69	9.08
FeO*/MgO	4.98	4.46	13.74	12.47	6.30	2.89
CIPW NORM						
Q	31.86	33.51	22.47	15.16	38.74	0.00
C	0.74	3.06	0.00	2.15	2.27	0.73
or	29.55	33.09	8.45	30.02	35.69	20.68
ab	32.07	26.15	61.35	46.03	21.07	38.25
an	2.97	2.11	3.02	1.32	1.12	13.97
lc	0.00	0.00	0.00	0.00	0.00	0.00
nc	0.00	0.00	0.00	0.00	0.00	0.00
kp	0.00	0.00	0.00	0.00	0.00	0.00
ac	0.00	0.00	0.00	0.00	0.00	0.00
wo	0.00	0.00	0.72	0.00	0.00	0.00
en	0.55	0.50	0.42	0.72	0.27	0.01
fs	0.00	0.00	0.00	0.00	0.00	0.01
fo	0.00	0.00	0.00	0.00	0.00	5.47
fa	0.00	0.00	0.00	0.00	0.00	3.00
cs	0.00	0.00	0.00	0.00	0.00	0.00
mt	0.87	0.30	0.11	0.85	0.49	5.35
hm	0.24	0.56	2.26	2.94	0.23	0.00
il	0.17	0.25	0.61	0.46	0.06	4.46
ru	0.00	0.00	0.00	0.00	0.00	0.00
ap	0.24	0.36	0.57	0.26	0.26	1.99
Σ feric	2.06	1.96	4.69	5.23	1.31	20.29
D. l.	93.47	92.75	92.26	91.21	95.50	58.93
rock series	TH	CA	TH	TH	TH	TH

\*: Total Fe as FeO

Appendix 2-5 Chemical compositions and CIPW Norms (6)

	( 31)	( 32)	( 33)	( 34)	( 35)	( 36)
sample no.	A82105	A82106	A82110	A82201	A82301	A82302
SiO2	52.66	48.44	76.04	72.61	47.01	73.14
TiO2	1.28	1.54	0.12	0.22	1.42	0.08
Al2O3	15.72	16.74	13.20	14.02	16.06	15.17
Fe2O3	1.18	1.72	1.08	1.17	5.00	0.39
FeO	6.41	6.50	0.21	0.40	5.12	0.24
MnO	0.17	0.15	0.02	0.01	0.15	0.01
MgO	6.14	5.49	0.15	0.35	6.16	0.17
CaO	8.26	6.65	0.77	0.50	8.18	0.48
Na2O	2.91	3.39	3.58	2.52	2.26	3.48
K2O	2.38	3.03	4.86	6.81	0.40	5.57
P2O5	0.22	0.55	0.12	0.19	0.21	0.19
H2O+	0.00	0.00	0.00	0.00	0.00	0.00
H2O-	0.00	0.00	0.00	0.00	0.00	0.00
Total	97.33	94.20	100.15	98.80	91.97	98.92
FeO*	7.47	8.05	1.18	1.45	9.62	0.59
FeO*/MgO	1.22	1.47	7.88	4.15	1.56	3.48
CIPW NORM						
Q	0.00	0.00	35.08	30.83	6.20	30.83
C	0.00	0.00	0.93	2.04	0.00	2.99
Or	14.06	17.91	28.72	40.24	2.36	32.92
Ab	24.62	27.15	30.29	21.32	19.12	29.45
An	22.80	21.51	3.04	1.25	32.49	1.15
Alc	0.00	0.00	0.00	0.00	0.00	0.00
Alne	0.00	0.83	0.00	0.00	0.00	0.00
Ksp	0.00	0.00	0.00	0.00	0.00	0.00
Ac	0.00	0.00	0.00	0.00	0.00	0.00
Wo	7.00	3.31	0.00	0.00	2.81	0.00
En	15.08	1.96	0.37	0.87	15.34	0.42
Fs	8.87	1.18	0.00	0.00	3.20	0.00
Fo	0.15	8.21	0.00	0.00	0.00	0.00
Fa	0.10	5.46	0.00	0.00	0.00	0.00
Cs	0.00	0.00	0.00	0.00	0.00	0.00
At	1.71	2.49	0.39	0.68	7.25	0.57
Hm	0.00	0.00	0.81	0.70	0.00	0.00
Il	2.43	2.93	0.23	0.42	2.70	0.15
Ru	0.00	0.00	0.00	0.00	0.00	0.00
Ap	0.52	1.30	0.28	0.45	0.50	0.45
Σ feuc	35.86	26.84	2.09	3.12	31.80	1.60
D.I.	38.69	45.89	94.09	92.39	27.69	93.19
rock series	CA	TH	TH	CA	TH	CA

\*: Total Fe as FeO

Appendix 2-5 Chemical compositions and CIPW Norms (7)

	( 37)	( 38)	( 39)	( 40)	( 41)	( 42)
sample no.	A82401	A90101	A90102	A90103	A90104	A81501
SiO <sub>2</sub>	54.79	69.11	66.96	57.19	76.41	59.33
TiO <sub>2</sub>	1.12	0.43	0.43	1.21	0.17	1.77
Al <sub>2</sub> O <sub>3</sub>	16.51	16.06	15.42	16.18	12.79	15.71
Fe <sub>2</sub> O <sub>3</sub>	2.01	2.42	2.13	1.25	1.07	6.09
FeO	5.05	0.29	0.77	5.14	0.46	0.49
MnO	0.11	0.03	0.04	0.12	0.03	0.12
MgO	3.60	0.44	1.56	3.37	0.33	0.93
CaO	4.86	3.23	2.80	5.63	0.55	4.61
Na <sub>2</sub> O	3.10	4.27	4.15	4.07	3.98	4.09
K <sub>2</sub> O	3.28	2.47	3.16	2.08	3.88	4.02
P <sub>2</sub> O <sub>5</sub>	0.34	0.25	0.19	0.55	0.10	0.96
H <sub>2</sub> O <sup>+</sup>	0.00	0.00	0.00	0.00	0.00	0.00
H <sub>2</sub> O <sup>-</sup>	0.00	0.00	0.00	0.00	0.00	0.00
Total	94.77	99.00	97.61	96.79	99.77	98.17
FeO*	6.86	2.47	2.69	6.26	1.42	5.97
FeO*/MgO	1.91	5.61	1.72	1.86	4.31	6.09
CIPW NORM						
Q	6.76	28.00	22.93	7.99	37.02	12.37
C	0.00	1.18	0.53	0.00	1.28	0.00
or	19.38	14.60	18.67	12.29	22.93	23.76
ab	26.23	36.13	35.12	34.44	33.68	34.61
an	21.45	14.15	12.66	19.74	2.08	12.63
lc	0.00	0.00	0.00	0.00	0.00	0.00
ne	0.00	0.00	0.00	0.00	0.00	0.00
kp	0.00	0.00	0.00	0.00	0.00	0.00
ac	0.00	0.00	0.00	0.00	0.00	0.00
vo	0.19	0.00	0.00	1.94	0.00	0.10
en	8.97	1.10	3.89	8.39	0.82	2.44
fs	5.97	0.00	0.00	6.63	0.00	0.00
fo	0.00	0.00	0.00	0.00	0.00	0.00
fa	0.00	0.00	0.00	0.00	0.00	0.00
cs	0.00	0.00	0.00	0.00	0.00	0.00
nt	2.91	0.00	1.37	1.81	1.09	0.00
hm	0.00	2.42	1.19	0.00	0.32	6.09
il	2.13	0.68	0.82	2.30	0.32	1.29
ru	0.00	0.00	0.00	0.00	0.00	0.00
ap	0.81	0.59	0.45	1.30	0.24	2.27
Σ femic	20.98	4.78	7.71	22.37	2.79	12.19
D. I.	52.37	78.72	76.72	54.72	93.63	70.73
rock series	TH	TH	CA	CA	CA	TH

\*: Total Fe as FeO

Appendix 2-5. Chemical compositions and CIPW Norms (8)

	( 43)	( 44)	( 45)	( 46)	( 47)	( 48)
sample no.	A81502	A82501	A82503	A82504	A82505	A82602
SiO2	48.19	76.86	73.73	71.79	79.13	76.13
TiO2	1.80	0.12	0.16	0.53	0.08	0.11
Al2O3	17.07	12.36	15.32	14.03	12.94	13.47
Fe2O3	3.11	0.69	1.15	1.71	0.63	0.69
FeO	6.12	0.25	0.53	0.20	0.15	0.27
MnO	0.14	0.02	0.03	0.02	0.00	0.05
MgO	5.48	0.09	0.80	0.13	0.41	0.12
CaO	7.99	0.58	1.67	0.52	0.42	0.36
Na2O	3.67	3.68	4.32	3.95	2.89	4.58
K2O	1.52	4.80	1.51	4.69	2.04	3.88
P2O5	0.64	0.12	0.14	0.19	0.09	0.08
H2O+	0.00	0.00	0.00	0.00	0.00	0.00
H2O-	0.00	0.00	0.00	0.00	0.00	0.00
Total	95.73	99.57	99.36	97.76	98.78	99.74
FeO*	8.92	0.87	1.56	1.74	0.72	0.89
FeO*/MgO	1.63	9.68	1.96	13.37	1.75	7.42
CIPW NORM						
Q	0.00	36.04	38.44	30.30	53.25	33.91
C	0.00	0.34	3.87	2.32	5.43	1.27
or	8.98	28.37	8.92	27.72	12.06	22.93
ab	31.05	31.14	36.55	33.42	24.45	38.75
an	25.61	2.10	7.38	0.36	1.50	1.27
lc	0.00	0.00	0.00	0.00	0.00	0.00
ne	0.00	0.00	0.00	0.00	0.00	0.00
kp	0.00	0.00	0.00	0.00	0.00	0.00
ac	0.00	0.00	0.00	0.00	0.00	0.00
vo	4.13	0.00	0.00	0.00	0.00	0.00
en	5.99	0.22	1.99	0.32	1.02	0.30
fs	2.61	0.00	0.00	0.00	0.00	0.00
fo	5.37	0.00	0.00	0.00	0.00	0.00
fa	2.58	0.00	0.00	0.00	0.00	0.00
cs	0.00	0.00	0.00	0.00	0.00	0.00
mt	4.51	0.52	1.34	0.00	0.25	0.71
hm	0.00	0.33	0.22	1.71	0.46	0.20
il	3.42	0.23	0.30	0.47	0.15	0.21
ru	0.00	0.00	0.00	0.00	0.00	0.00
ap	1.52	0.28	0.33	0.45	0.21	0.19
Σ fémic	30.12	1.59	4.19	2.96	2.09	1.61
D. I.	40.04	95.55	83.92	91.44	89.76	95.60
rock series	TH	TH	CA	TH	CA	TH

\*: Total Fe as FeO

Appendix 2-5 Chemical compositions and CIPW Norms (9)

	( 49 )	( 50 )	( 51 )	( 52 )	( 53 )	( 54 )
sample no.	A82603	A82604	OH70503	OH70504	OS62403	OS70403
SiO2	49.12	70.37	42.78	56.34	49.00	54.73
TiO2	1.18	0.27	1.72	1.15	1.28	1.10
Al2O3	16.92	15.73	13.40	15.04	14.88	14.72
Fe2O3	6.67	1.59	5.92	4.63	5.22	5.94
FeO	2.52	0.72	2.58	0.91	7.72	4.80
MnO	0.15	0.04	0.13	0.08	0.20	0.17
MgO	6.26	0.88	8.06	4.23	4.71	3.33
CaO	6.72	1.04	10.98	6.08	6.96	4.64
Na2O	2.84	5.07	5.91	4.44	3.79	3.64
K2O	0.65	1.80	0.95	5.10	0.18	0.72
P2O5	0.47	0.43	2.23	1.07	0.18	0.18
H2O+	0.00	0.00	0.00	0.00	0.00	0.00
H2O-	0.00	0.00	0.00	0.00	0.00	0.00
Total	93.50	97.94	94.66	99.07	94.12	93.97
FeO*	8.52	2.15	7.91	5.08	12.42	10.14
FeO*/MgO	1.36	2.44	0.98	1.20	2.64	3.05
CIPW NORM						
Q	7.69	31.65	0.00	0.00	3.36	15.34
C	0.44	4.57	0.00	0.00	0.00	0.00
or	3.84	10.64	5.61	30.14	1.06	4.25
ab	24.03	42.90	17.29	36.87	32.07	30.80
an	30.30	2.38	7.23	6.04	23.06	21.70
lc	0.00	0.00	0.00	0.00	0.00	0.00
ne	0.00	0.00	17.73	0.38	0.00	0.00
kp	0.00	0.00	0.00	0.00	0.00	0.00
ac	0.00	0.00	0.00	0.00	0.00	0.00
vo	0.00	0.00	13.70	7.11	4.30	0.07
en	15.59	2.19	11.84	6.15	11.73	8.29
fs	0.00	0.00	0.00	0.00	3.12	2.41
fo	0.00	0.00	5.77	3.08	0.00	0.00
fa	0.00	0.00	0.00	0.00	0.00	0.00
cs	0.00	0.00	0.00	0.00	0.00	0.00
mt	5.19	1.67	3.75	0.00	7.57	8.61
hm	3.09	0.44	3.33	4.63	0.00	0.00
il	2.24	0.51	3.27	2.09	2.43	2.09
ru	0.00	0.00	0.00	0.00	0.00	0.00
ap	1.11	1.02	5.28	2.53	0.43	0.43
Σ fensic	27.23	5.83	46.95	25.59	34.58	21.89
D. I.	35.57	85.19	40.63	67.39	36.49	50.39
rock series	TH	CA	TH	CA	TH	TH

\*: Total Fe as FeO

Appendix 2-5 Chemical compositions and CIPW Norms (10)

	( 55 )	( 56 )	( 57 )	( 58 )
sample no.	0A62904	124750	290675	783250
SiO2	73.53	54.08	51.56	78.86
TiO2	0.56	1.21	1.30	0.40
Al2O3	11.11	14.37	14.52	8.08
Fe2O3	1.77	4.28	7.02	2.78
FeO	2.98	6.88	2.68	0.23
MnO	0.06	0.17	0.15	0.07
MgO	2.74	4.23	2.98	1.00
CaO	0.65	6.20	5.09	2.68
Na2O	1.92	3.14	4.59	0.11
K2O	1.44	0.52	0.20	0.09
P2O5	0.27	0.18	0.17	0.18
H2O+	0.00	0.00	0.00	0.00
H2O-	0.00	0.00	0.00	0.00
Total	97.03	95.26	90.26	94.48
FeO*	4.57	10.73	9.00	2.73
FeO*/MgO	1.67	2.54	3.02	2.73
CIPW NORM				
Q	50.67	12.66	10.46	71.19
C	5.85	0.00	0.00	3.44
or	8.51	3.07	1.18	0.53
ab	16.25	26.57	38.84	0.93
an	1.48	23.58	18.42	11.90
lc	0.00	0.00	0.00	0.00
ne	0.00	0.00	0.00	0.00
kp	0.00	0.00	0.00	0.00
ac	0.00	0.00	0.00	0.00
wo	0.00	2.51	2.39	0.00
en	6.82	10.54	7.42	2.49
fs	3.20	7.42	0.00	0.00
fo	0.00	0.00	0.00	0.00
fa	0.00	0.00	0.00	0.00
cs	0.00	0.00	0.00	0.00
mt	2.57	6.21	5.36	0.00
hm	0.00	0.00	3.32	2.78
il	1.06	2.30	2.47	0.64
ru	0.00	0.00	0.00	0.00
ap	0.64	0.43	0.40	0.43
Σ fentic	14.29	29.39	21.37	6.33
D.I.	75.43	42.30	50.48	72.66
rock series	CA	TH	TH	CA

\*: Total Fe as FeO  
 CA:calc-alkalic series, TH:tholeiitic series

**Appendix 2- 6 Assay Results (ore analyses Au, Ag) (1) ~ (5)**



ABBREVIATIONS FOR ASSAY RESULT

alk	: alkaline	lm	: limonite	tf	: tuff
alt	: altenated	ls	: limestone	trch	: trachyte
and	: andesite	ltl	: little	trl	: translucent
argd	: argillized	mal	: malachite	trp	: transparent
bas	: basalt	mdg	: medium grained	v	: vein
bg	: bearing	mgt	: magnetite	vlt	: veinlet
bre	: brecciated	monz	: monzonite	vtrc	: vitric
brn	: brown	ms	: mudstone	wht	: white
bt	: biotite	msv	: massive	wk	: weak
cal	: calcite	mus	: muscovite	wthd	: weathered
calc	: calcareous	neph	: nepheline	xln	: crystalline
carb	: carbonate	ntwk	: net work		
cbt	: carbonatite	ol	: olivine		
ccp	: chalcopyrite	opx	: orthopyroxine		
chl	: chlorite	oxd	: oxide		
cly	: clay	part	: partialy		
comp	: compact	peg	: pegmatite		
cpx	: clinopyroxene	po	: porphyry		
csg	: coarse grained	po	: pyrrhotite		
cv	: covellite	po-Cu	: porphyry copper		
da	: dacite	por	: porphyrite		
dio	: diorite	prop	: propylite		
drsy	: drusy	prs	: porous		
ep	: epidote	purp	: purple		
feld	: feldspar	py	: pyrite		
fl	: fluorite	qp	: quartz porphyry		
fng	: fine grained	qz	: quartz		
gb	: gabbro	rd	: red		
gd	: granodiorite	rh	: rhyolite		
gn	: galena	scnd	: secondary		
gp	: granite porphyry	sed	: sedimentary rock		
gr	: granite	ser	: serisite		
grn	: green	sil	: silicified		
grnCu	: green Copper	siltst	: siltstone		
grsn	: greisen	sk	: skarn		
gry	: grey	skzed	: skarnized		
gyp	: gypsum	sp	: sphalerite		
hb	: hornblende	ss	: sandstone		
hem	: hematite	stg	: strong		
hf	: hornfels	stkwk	: stock work		
kaol	: kaolinite	sy	: syenite		

Appendix 2-6 Assay Results (ore analyses Au, Ag) (1)

Ser. No.	Sample No.	Au ppm	Ag ppm	longitude(east)	latitude(north)	area name	rock name
1	OS70408	1.75	1	104° 08' 05"	44° 23' 18"	Olou Ovoot	vqz
2	OS70409	0.03	2	104° 08' 07"	44° 23' 18"		vqz
3	OS70501	0.04	1	104° 08' 16"	44° 23' 17"		vqz
4	OS70505	0.03	<1	104° 07' 55"	44° 23' 14"		vqz
5	OS70508	0.03	<1	104° 07' 46"	44° 23' 18"		vqz
6	OS70510	0.04	<1	104° 07' 45"	44° 23' 18"		vqz
7	OS70511	0.98	<1	104° 07' 45"	44° 23' 18"		vqz
8	XH80501	1.86	<1	104° 06' 39"	44° 20' 57"		vqz
9	XH80502	1.44	1	104° 06' 45"	44° 20' 56"		vqz
10	XH80503	16.58	2	104° 16' 49"	44° 22' 16"		vqz
11	H90501	0.04	<1	104° 26' 23"	43° 51' 39"	Tahilga Ula	vqz
12	H90502	3.29	1	104° 26' 10"	43° 51' 43"		vqz
13	H81501	0.04	<1	104° 35' 44"	44° 53' 18"	Tsagaan Ula	vqz
14	H81502	0.03	1	104° 38' 32"	44° 53' 40"		vqz
15	H81503	0.03	3	104° 47' 08"	44° 54' 60"		vqz
16	H81504	0.06	<1	104° 50' 41"	44° 55' 04"		vqz
17	H81505	0.03	<1	104° 54' 32"	44° 51' 10"		vqz
18	H81506	0.04	<1	104° 53' 50"	44° 51' 07"		vqz
19	H90401	0.05	<1	104° 38' 40"	44° 53' 43"		vqz
20	H90402	0.83	4	104° 38' 29"	44° 53' 44"		vqz
21	H90403	0.91	<1	104° 38' 16"	44° 53' 47"		vqz
22	H90404	0.05	2	104° 38' 16"	44° 53' 52"		vqz
23	H90405	0.05	<1	104° 38' 32"	44° 53' 32"	vqz	
24	H90406	0.03	<1	104° 36' 49"	44° 54' 02"	vqz	
25	DH80602	0.03	<1	104° 58' 04"	44° 24' 14"		vqz
26	DH80603	0.03	<1	104° 57' 54"	44° 24' 22"		vqz
27	DH80604	0.07	<1	104° 58' 05"	44° 24' 34"		vqz
28	DH80605	0.04	<1	104° 57' 13"	44° 24' 19"		vqz
29	DH80606	0.02	<1	104° 57' 13"	44° 24' 19"		vqz
30	DH80705	0.03	<1	104° 55' 50"	44° 24' 23"		vqz
31	DH80706	0.03	<1	104° 55' 51"	44° 24' 23"		vqz
32	DH80707	0.03	<1	104° 55' 48"	44° 24' 23"		vqz
33	TH80701	0.03	<1	104° 55' 58"	44° 24' 12"		vqz
34	TH80702	0.03	1	104° 55' 58"	44° 24' 12"		alt dio
35	NH80701	0.04	<1	104° 52' 59"	44° 22' 11"		vqz
36	NH80702	0.03	<1	104° 52' 46"	44° 22' 10"		vqz
37	SH80701	0.03	<1	104° 56' 03"	44° 23' 01"		vqz
38	SH80702	0.03	<1	104° 56' 03"	44° 23' 01"		vqz
39	HH80701	0.04	2	105° 00' 04"	44° 23' 24"	Dugshih	alt sil dio
40	HH80702	0.03	<1	104° 59' 57"	44° 23' 35"		vqz
41	HH80703	0.03	<1	105° 00' 59"	44° 24' 08"		vqz
42	NH80802	0.03	<1	104° 52' 11"	44° 23' 23"		vqz
43	BH80801	0.03	<1	104° 53' 13"	44° 23' 47"		vqz
44	BH80802	0.03	<1	104° 53' 16"	44° 24' 29"		vqz
45	BH80803	0.11	<1	104° 53' 16"	44° 24' 29"		vqz
46	BH80804	0.05	<1	104° 53' 03"	44° 23' 51"		vqz
47	BH80805	0.06	<1	104° 53' 26"	44° 24' 23"		vqz
48	BH80806	0.03	<1	104° 52' 38"	44° 24' 22"		vqz
49	BH80807	0.09	<1	104° 52' 39"	44° 24' 22"		vqz
50	DH80801	0.03	<1	104° 46' 51"	44° 30' 46"		vqz

Appendix 2-6 Assay Results (ore analyses Au, Ag) (2)

Ser. No.	Sample No.	Au ppm	Ag ppm	longitude(east)	latitude(north)	area name	rock name
51	DH80802	0.03	2	104° 46' 51"	44° 30' 46"	Dugshih	vqz
52	DH80803	0.04	3	104° 46' 16"	44° 30' 30"		sil rk
53	DH80804	0.03	<1	104° 46' 16"	44° 30' 30"		sil rk
54	DS80805	0.04	<1	104° 46' 16"	44° 30' 30"		vqz
55	DS80807	0.03	<1	104° 46' 16"	44° 30' 30"		vqz
56	H80903	0.03	<1	105° 00' 09"	44° 22' 01"		vqz
57	H81001	0.03	<1	105° 22' 47"	44° 35' 50"	Onh	vqz
58	H81002	0.03	<1	105° 23' 18"	44° 35' 53"		vqz
59	H81003	0.03	<1	105° 22' 12"	44° 36' 32"		vqz
60	H81004	0.04	2	105° 22' 12"	44° 36' 32"		phyl ss
61	H81005	0.03	<1	105° 21' 33"	44° 36' 28"		vqz
62	H81006	0.03	1	105° 20' 49"	44° 36' 02"		vqz
63	H81007	0.03	<1	105° 20' 50"	44° 36' 14"		vqz
64	H81008	0.03	<1	105° 20' 08"	44° 38' 45"		vqz
65	H81009	0.03	<1	105° 19' 11"	44° 38' 40"		vqz
66	H81010	0.03	<1	105° 20' 49"	44° 39' 03"		vqz
67	H81012	0.03	<1	105° 17' 26"	44° 40' 46"		vqz
68	H81013	0.03	<1	105° 18' 12"	44° 41' 03"		vqz
69	H81015	0.03	<1	105° 22' 55"	44° 43' 24"		vqz
70	H81702	0.03	<1	105° 43' 42"	45° 38' 46"		Soirig
71	H81703	0.03	1	105° 43' 41"	45° 38' 35"	vqz	
72	H81705	0.03	<1	105° 43' 56"	45° 38' 51"	qzvlr	
73	H81706	0.03	6	105° 44' 18"	45° 38' 59"	vqz	
74	H81707	0.05	1	105° 44' 19"	45° 38' 45"	vqz	
75	H81708	0.03	<1	105° 44' 01"	45° 38' 36"	vqz	
76	H81709	0.03	3	105° 41' 57"	45° 34' 49"	vqz	
77	H81710	0.03	<1	105° 41' 30"	45° 34' 37"	vqz	
78	H81711	0.04	<1	105° 52' 47"	45° 49' 53"	vqz	
79	H81712	0.04	<1	105° 52' 46"	45° 49' 54"	vqz	
80	H81713	0.04	<1	105° 52' 42"	45° 49' 57"	vqz	
81	H81714	0.04	<1	105° 52' 42"	45° 49' 57"	vqz	
82	H81715	0.03	<1	105° 52' 47"	45° 50' 09"	vqz	
83	S81703	0.03	<1	105° 52' 43"	45° 50' 05"	vqz	
84	H81801	0.03	1	105° 52' 58"	45° 50' 28"	sil rk	
85	H81802	0.05	1	105° 53' 04"	45° 50' 33"	sil rk	
86	H81803	0.03	<1	105° 53' 11"	45° 50' 10"	sil rk	
87	H81804	0.03	<1	105° 55' 59"	45° 52' 02"	sil rk	
88	H81805	0.04	<1	105° 56' 25"	45° 52' 12"	sil rk	
89	H81806	0.12	<1	105° 56' 46"	45° 52' 24"	sil rk	
90	H82701	0.04	<1	105° 44' 03"	44° 31' 26"	North Harmagtai	vqz
91	H82702	0.03	<1	105° 54' 57"	44° 28' 52"		vqz
92	H82703	0.03	<1	105° 55' 22"	44° 28' 46"		vqz
93	H82808	0.02	1	105° 48' 48"	44° 24' 08"		vqz
94	H82809	0.02	<1	105° 48' 20"	44° 24' 14"		vqz
95	H82810	0.02	1	105° 48' 25"	44° 24' 02"		vqz
96	H82811	0.03	<1	105° 46' 35"	44° 24' 06"		vqz
97	H82813	0.03	1	105° 42' 03"	44° 22' 34"		vqz
98	H82814	0.02	<1	105° 41' 04"	44° 21' 47"		vqz
99	H82815	0.03	<1	105° 41' 04"	44° 21' 45"		vqz
100	H82903	0.03	<1	105° 45' 07"	44° 18' 27"	vqz	

Appendix 2-6 Assay Results (ore analyses Au, Ag) (3)

Ser. No.	Sample No.	Au		Ag		longitude(east)	latitude(north)	area name	rock name
		ppm		ppm					
101	H82911	0.04	<1	<1		106° 15' 23"	44° 27' 11"		vqz
102	H82913	0.04	1	1		106° 14' 53"	44° 27' 16"		vqz
103	H82914	0.04	2	2		106° 14' 32"	44° 27' 17"		vqz
104	H82915	0.04	<1	<1		106° 14' 11"	44° 27' 19"		vqz
105	H82916	0.03	<1	<1		106° 13' 57"	44° 27' 17"		vqz
106	H83001	0.03	<1	<1		106° 14' 01"	44° 27' 09"		vqz
107	H83002	0.04	<1	<1		106° 13' 21"	44° 27' 12"		vqz
108	H83003	0.03	<1	<1		106° 13' 06"	44° 27' 30"		vqz
109	H83004	0.04	<1	<1		106° 13' 15"	44° 27' 31"		vqz
110	H83005	0.04	<1	<1		106° 12' 41"	44° 27' 56"		vqz
111	H83006	0.05	<1	<1		106° 10' 57"	44° 29' 02"		vqz
112	H83007	0.03	2	2		106° 10' 45"	44° 29' 00"		vqz
113	H83008	0.05	<1	<1		106° 10' 38"	44° 28' 57"		vqz
114	H83009	0.04	<1	<1		106° 12' 42"	44° 27' 08"		vqz
115	H83010	0.04	<1	<1		106° 12' 20"	44° 27' 05"		vqz
116	H83011	0.04	<1	<1		106° 11' 28"	44° 26' 52"		vqz
117	H83012	0.04	<1	<1		106° 10' 54"	44° 26' 35"		vqz
118	H83013	0.04	<1	<1		106° 10' 39"	44° 26' 28"		vqz
119	H83014	0.03	<1	<1		106° 09' 54"	44° 26' 55"		vqz
120	H83015	0.04	1	1		106° 10' 12"	44° 26' 54"		vqz
121	H83016	0.04	<1	<1		106° 09' 58"	44° 26' 52"	North Harmagtai	vqz
122	H83017	0.04	<1	<1		106° 09' 00"	44° 26' 29"		vqz
123	H83018	0.03	<1	<1		106° 09' 58"	44° 25' 47"		vqz
124	H83019	0.03	<1	<1		106° 08' 58"	44° 24' 59"		vqz
125	H83021	0.05	<1	<1		105° 57' 25"	44° 25' 08"		vqz
126	H83101	0.03	<1	<1		106° 02' 29"	44° 26' 58"		vqz
127	H83102	0.04	<1	<1		105° 59' 37"	44° 27' 34"		vqz
128	H83103	0.03	<1	<1		105° 57' 53"	44° 28' 15"		vqz
129	H83104	0.03	<1	<1		105° 57' 23"	44° 28' 17"		vqz
130	H83105	0.03	<1	<1		105° 56' 30"	44° 28' 33"		vqz
131	H83106	0.03	<1	<1		105° 56' 07"	44° 28' 47"		vqz
132	H83107	0.03	<1	<1		105° 41' 54"	44° 25' 58"		vqz
133	H83108	0.04	<1	<1		105° 42' 11"	44° 25' 57"		vqz
134	H83109	0.32	<1	<1		105° 42' 31"	44° 25' 55"		vqz
135	H83110	0.03	<1	<1		105° 43' 14"	44° 25' 46"		vqz
136	H83111	0.03	<1	<1		105° 43' 32"	44° 25' 54"		vqz
137	H83112	0.04	<1	<1		105° 46' 47"	44° 25' 26"		vqz
138	H83113	0.03	<1	<1		105° 48' 24"	44° 25' 32"		vqz
139	H83114	0.04	<1	<1		105° 52' 43"	44° 25' 16"		vqz
140	H83115	0.03	<1	<1		105° 53' 02"	44° 25' 35"		vqz
141	H83116	0.04	<1	<1		105° 53' 43"	44° 25' 28"		vqz
142	H82001	0.03	<1	<1		106° 51' 59"	45° 31' 59"		sil rk
143	H82002	0.04	<1	<1		106° 51' 31"	45° 31' 43"		sil rk
144	H82003	0.04	<1	<1		106° 50' 32"	45° 31' 20"		sil rk
145	H82004	0.03	<1	<1		106° 50' 15"	45° 30' 28"		vqz
146	H82005	0.03	<1	<1		106° 50' 15"	45° 30' 28"	Sologoi	sil rk
147	H82006	0.15	<1	<1		106° 50' 27"	45° 30' 08"		vqz
148	H82008	0.04	<1	<1		106° 50' 28"	45° 29' 40"		sil rk
149	H82009	0.05	<1	<1		106° 53' 41"	45° 30' 33"		vqz
150	H82010	0.14	<1	<1		106° 53' 34"	45° 30' 36"		vqz

Appendix 2-6 Assay Results (ore analyses Au, Ag) (4)

Ser. No.	Sample No.	Au ppm	Ag ppm	longitude(east)	latitude(north)	area name	rock name
151	H82101	0.04	<1	106° 59' 29"	45° 22' 32"	Sologoi	sil rk
152	H82103	0.19	2	106° 58' 43"	45° 21' 55"		vqz
153	H82104	0.04	1	106° 58' 22"	45° 21' 48"		vqz
154	H82105	0.03	<1	106° 57' 12"	45° 21' 43"		sil rk
155	H82106	0.04	2	106° 57' 37"	45° 21' 39"		sil rk
156	H82107	0.22	22	106° 57' 28"	45° 21' 30"		vqz
157	H82108	0.06	2	106° 57' 19"	45° 21' 27"		vqz
158	H82109	0.04	<1	106° 56' 34"	44° 21' 35"		sil rk
159	H82110	0.46	7	106° 56' 57"	45° 21' 20"		vqz
160	H82111	0.06	1	106° 56' 38"	45° 21' 15"		vqz
161	H82112	0.05	2	106° 55' 34"	45° 21' 19"		skarn
162	H82113	0.04	<1	106° 46' 00"	45° 20' 08"		sil rk
163	H82114	0.05	<1	106° 45' 41"	45° 20' 02"		sil rk
164	H82115	0.04	<1	106° 45' 46"	45° 19' 32"		vqz
165	H82116	0.04	<1	106° 46' 46"	45° 19' 47"		sil rk
166	H82117	0.04	<1	106° 46' 31"	45° 19' 59"		sil rk
167	H82201	0.04	2	106° 53' 14"	45° 06' 23"		sil rk
168	H82202	0.05	<1	106° 53' 56"	45° 05' 50"		sil rk
169	H82203	0.05	<1	106° 53' 58"	45° 05' 27"		vqz
170	H82204	0.04	<1	106° 54' 20"	45° 05' 51"		sil rk
171	H82206	0.04	<1	106° 54' 38"	45° 06' 03"		sil rk
172	H82207	0.04	<1	106° 58' 07"	45° 06' 27"		sil rk
173	H82208	0.04	<1	106° 58' 09"	45° 06' 28"		sil rk
174	H82209	0.05	<1	106° 44' 37"	45° 10' 41"		sil rk
175	H82211	0.04	<1	106° 45' 05"	45° 10' 44"		sil rk
176	H82212	0.04	<1	106° 45' 12"	45° 10' 44"		sil rk
177	H82213	0.05	<1	106° 45' 33"	45° 10' 39"		sil rk
178	H82301	0.04	<1	106° 44' 25"	45° 17' 05"		vqz
179	H82302	0.04	<1	106° 41' 39"	45° 16' 13"		vqz
180	H82303	0.04	<1	106° 41' 32"	45° 16' 34"		vqz
181	H82304	0.04	<1	106° 40' 17"	45° 16' 14"		vqz
182	H82305	0.04	<1	106° 40' 09"	45° 16' 19"		vqz
183	H82310	0.04	<1	106° 36' 30"	45° 10' 48"		vqz
184	H82311	0.04	<1	106° 36' 44"	45° 10' 46"	vqz	
185	A82305	0.06	6	106° 36' 30"	45° 10' 48"	vqz	
186	H82401	0.04	<1	106° 53' 50"	45° 06' 33"	sil rk	
187	H82402	0.04	<1	106° 54' 03"	45° 06' 07"	sil limestone	
188	H82403	0.04	1	106° 53' 25"	45° 06' 32"	alt mud stone	
189	H82404	0.04	<1	106° 53' 18"	45° 05' 36"	sil rk	
190	H82405	0.03	<1	106° 37' 06"	45° 10' 41"	vqz	
191	H82406	0.04	<1	106° 37' 24"	45° 10' 34"	vqz	
192	H82407	0.04	<1	106° 37' 29"	45° 10' 26"	vqz	
193	H82408	0.03	<1	106° 37' 37"	45° 10' 21"	vqz	
194	H82409	0.03	1	106° 37' 57"	45° 10' 28"	vqz	
195	H82410	0.03	3	106° 38' 34"	45° 10' 30"	vqz	
196	H82411	0.03	<1	106° 38' 47"	45° 10' 24"	vqz	
197	H82504	0.04	<1	106° 45' 32"	44° 54' 37"	Undur Uda	vqz
198	H82505	0.04	<1	106° 46' 39"	44° 41' 24"		vqz
199	H82601	0.05	<1	106° 39' 51"	44° 42' 20"		vqz
200	H82603	0.04	<1	106° 38' 51"	44° 58' 32"		sil rk

Appendix 2-6 Assay Results (ore analyses Au, Ag) (5)

Ser. No.	Sample No.	Au ppm	Ag ppm	longitude(east)	latitude(north)	area name	rock name
1	OA62702	0.08	<1	104 ° 08 ' 36 "	44 ° 23 ' 08 "	Olou Ovoot	sil rk
2	OA62902	0.05	<1	104 ° 09 ' 49 "	44 ° 22 ' 34 "		vqz
3	OA62903	0.04	2	104 ° 09 ' 48 "	44 ° 22 ' 57 "		qz-cal v
4	OA63002	0.05	<1	104 ° 10 ' 06 "	44 ° 22 ' 57 "		chl-qz v
5	OA70101	0.04	<1	104 ° 10 ' 25 "	44 ° 22 ' 44 "		cal-qz v
6	OA70202	0.05	<1	104 ° 10 ' 44 "	44 ° 22 ' 49 "		vqz
7	OA70204	0.04	<1	104 ° 10 ' 47 "	44 ° 22 ' 04 "		vqz
8	OA70301	0.04	<1	104 ° 11 ' 04 "	44 ° 22 ' 32 "		sil zonetvqz
9	OS62603	0.04	<1	104 ° 09 ' 37 "	44 ° 23 ' 12 "		vqz
10	OS70202	0.04	<1	104 ° 10 ' 17 "	44 ° 22 ' 54 "		vqz
11	OS70302	0.05	<1	104 ° 10 ' 54 "	44 ° 22 ' 37 "		vqz
12	OS70401	0.04	<1	104 ° 11 ' 01 "	44 ° 21 ' 37 "		sil ss
13	OS70402	0.05	3	104 ° 10 ' 57 "	44 ° 21 ' 59 "		hm skarn
14	OS70515	0.04	<1	104 ° 08 ' 41 "	44 ° 23 ' 05 "		alt sch
15	OS70516	0.04	<1	104 ° 08 ' 42 "	44 ° 23 ' 06 "		vqz
16	OS70518	0.08	1	104 ° 08 ' 42 "	44 ° 23 ' 07 "		alt sch
17	OS70521	0.04	<1	104 ° 10 ' 37 "	44 ° 22 ' 12 "		vqz
18	OS70522	0.04	4	104 ° 10 ' 37 "	44 ° 22 ' 11 "		alt dol sch
19	OS70523	0.03	4	104 ° 10 ' 37 "	44 ° 22 ' 10 "		alt dol sch
20	OS70524	0.04	3	104 ° 10 ' 37 "	44 ° 22 ' 10 "		alt dol sch

**Appendix 2- 7 Assay Results (geochemical analyses ) (1)~(50)**



Appendix 2-7 Assay Results (geochemical analyses) (1)

Ser. No.	Sample		Au	Ag	Description
	Line	Distance	ppb	ppm	
1	0	3100	74	<0.2	wht ~ brn vqz
2	0	3300	<1	<0.2	grn mdg tfs phyl ss
3	0	3550	<1	<0.2	lt grn phyl sh
4	0	4000	<1	<0.2	grn-gry fng ss
5	0	4200	44	<0.2	grn mer dio
6	0	4325	95	<0.2	rd-brn mer phyl dio
7	0	4350	2974	<0.2	wht vqz & rd-brn ~ grn phyl rk
8	0	4375	72	<0.2	wht ~ brn vqz
9	0	4400	22	<0.2	wht ~ brn vqz
10	0	4425	41	<0.2	lt grn-gry fng phyl ss
11	0	4450	3	<0.2	lt grn-gry fng ss
12	0	4550	<1	<0.2	grn-gry mdg-fng phyl ss
13	0	4850	<1	<0.2	grn-gry mdg-fng phyl ss
14	1	3050	<1	<0.2	wht vqz
15	1	4250	<1	<0.2	rd-brn phyl ss
16	1	4300	190	<0.2	wht lm vqz
17	1	4325	149	<0.2	wht vqz grn phyl rk
18	1	4350	2670	<0.2	rd-brn sil hard dio w/ qzvl
19	1	4375	80	<0.2	lt grn-gry fng phyl ss
20	1	4400	2	<0.2	rd-brn ~ grn fng phyl hf & qzvl
21	1	4425	3	<0.2	rd-brn ~ brn (lm) ~ wht vqz
22	1	4450	2935	<0.2	rd-brn hg phyl rk, wk argd
23	1	4475	514	<0.2	rd-brn hg phyl rk
24	1	5000	<1	<0.2	grn-gry mdg phyllss
25	2	3200	82	<0.2	grn mdg dio wthd
26	2	3550	<1	<0.2	grn mer dio
27	2	3750	<1	<0.2	grn mer dio wthd
28	2	3950	<1	<0.2	grn-gry mdg hf
29	2	4150	<1	<0.2	lt grn-gry fng phyl ss
30	2	4250	53	<0.2	rd-brn phyl sil rk
31	2	4275	163	<0.2	wht ~ brn vqz
32	2	4300	47	<0.2	wht ~ brn (lm) vqz & rd-grn hg phyl rk
33	2	4325	57	<0.2	wht-brn vqz
34	2	4350	2841	<0.2	rd-brn mdg sil dio
35	2	4375	69	<0.2	wht vqz
36	2	4400	75	<0.2	pnk-dk gry mdg sil dio w/ qzvl
37	2	4450	24	<0.2	rd-grn-gry mdg hg phyl dio
38	2	4600	1	<0.2	rd-brn fng phyl ss
39	2	4750	6	<0.2	lt grn-gry mdg phyl ss
40	2	4950	20	<0.2	gry-brn sil lm ss
41	3	3100	1	<0.2	grn csg dio pnk qz
42	3	4100	24	<0.2	lt grn gry fng ss
43	3	4225	38	<0.2	wht lm vqz
44	3	4250	85	<0.2	rd-brn-grn mdg sil dio lm qzvl
45	3	4275	99	<0.2	wht vqz
46	3	4300	175	<0.2	rd-brn mdg phyl dio
47	3	4325	239	<0.2	grn-blk sil dio
48	3	4375	334	<0.2	rd-brn mdg phyl dio
49	3	4425	7	<0.2	rd-brn mdg phyl dio
50	3	4475	51	<0.2	wht vqz

Appendix 2-7 Assay Results (geochemical analyses) (2)

Ser. No.	Sample		Au	Ag	Description
	Line	Distance	ppb	ppm	
51	3	5000	16	<0.2	grn-gry fng phyl ss
52	4	3000	15	<0.2	grn mer phyl dio
53	4	3250	<1	<0.2	grn mer dio
54	4	3500	2	<0.2	grn mdg dio
55	4	3750	2	<0.2	grn mdg dio
56	4	3950	<1	<0.2	grn mdg dio
57	4	4200	23	<0.2	rd-brn phyl sh
58	4	4225	51	<0.2	vqz
59	4	4250	362	<0.2	wht ~ brn vqz
60	4	4300	22	<0.2	rd-blk-grn mdg dio
61	4	4350	1	<0.2	rd-brn mdg phyl dio
62	4	4400	67	<0.2	rd-grn mer dio pnk qz
63	4	4450	54	<0.2	rd-brn mer phyl dio
64	4	4550	5	<0.2	rd-grn mdg phyl dio
65	4	4700	2	<0.2	grn mdg phyl dio pnk qz
66	4	4900	1	<0.2	grn gry phyl dio
67	5	3100	1	<0.2	grn mer dio
68	5	3475	1	<0.2	grn mdg dio
69	5	4000	<1	<0.2	grn mdg dio
70	5	4100	16	<0.2	rd-brn phyl rk (dio) wthd
71	5	4135	1	<0.2	wht vqz
72	5	4150	27	<0.2	wht vqz
73	5	4175	10	<0.2	wht ~ brn vqz
74	5	4200	100	<0.2	rd-brn partly grn hg phyl dk w/ qzvlit
75	5	4225	496	<0.2	wht ~ brn vqz
76	5	4250	45	<0.2	pale rd-grn lm mdg dio pnk qz
77	5	4300	469	<0.2	rd-brn mdg phyl dio
78	5	4350	53	<0.2	rd-lt grn mdg hf
79	5	4450	40	<0.2	lt grn-gry mdg phyl ss
80	5	4500	8	<0.2	grn-gry fng ss
81	5	4600	5	<0.2	rd-grn mdg phyl dio
82	5	4800	8	<0.2	grn mdg dio
83	6	3700	8	<0.2	grn mer dio
84	6	3950	3	<0.2	grn csg dio
85	6	4050	2927	<0.2	wht vqz
86	6	4075	199	<0.2	wht vqz
87	6	4100	106	<0.2	rd-brn phyl (dio) & wht qzvlit
88	6	4125	89	<0.2	rd-brn phyl (dio)
89	6	4150	143	<0.2	wht vqz
90	6	4175	2814	<0.2	wht vqz
91	6	4200	149	<0.2	rd-brn mdg dio
92	6	4250	108	<0.2	rd-brn mdg dio
93	6	4300	18	<0.2	grn mer dio
94	6	4400	9	<0.2	grn mer dio
95	6	4500	14	<0.2	rd-grn mdg phyl dio
96	6	4600	18	<0.2	rd-grn mdg phyl dio
97	6	4800	1	<0.2	grn mdg dio pnk qz
98	6	5000	5	<0.2	grn mdg dio
99	7	3100	11	<0.2	grn mer dio
100	7	3500	24	<0.2	grn csg dio

Appendix 2-7 Assay Results (geochemical analyses) (3)

Ser. No.	Sample		Au	Ag	Description
	Line	Distance	ppb	ppm	
101	7	3900	3	<0.2	grn-gry hf
102	7	4000	65	<0.2	rd brn-gry hg phyl dio
103	7	4025	2205	<0.2	wht vqz
104	7	4050	38	<0.2	purp ~ brn hg phyl dio
105	7	4075	45	<0.2	rd-brn hg phyl alt rk (dio)
106	7	4100	149	<0.2	purp ~ brn hg phyl dio, wthd
107	7	4125	564	<0.2	wht vqz
108	7	4200	2052	<0.2	rd-brn~grn mdg dio
109	7	4300	4	<0.2	grn-blk mdg dio pnk qz
110	7	4500	2	<0.2	pale-pnk grn mdg phyl dio
111	7	4700	4	<0.2	wht vqz w/ blk band
112	7	4900	2	<0.2	grn mdg dio pnk qz
113	8	3700	28	<0.2	grn mdg dio
114	8	3925	658	<0.2	wht vqz
115	8	3950	21	<0.2	purp rd alt mer dio
116	8	3975	709	<0.2	rd-brn sil dio & qzvt
117	8	4000	7	<0.2	wht vqz
118	8	4025	6	<0.2	rd-brn phyl sh
119	8	4050	25	<0.2	wht vqz
120	8	4100	20	<0.2	wht vqz
121	8	4125	4	<0.2	wht lm vqz
122	8	4150	4	<0.2	rd-grn gry hg phyl dio
123	8	4225	7	<0.2	grn mdg dio, lm
124	8	4400	<1	<0.2	grn mer dio
125	8	4600	2	<0.2	grn esg dio pnk qz
126	8	4700	1	<0.2	grn esg dio rd-brn alt band pnk qz
127	8	4800	1	<0.2	grn mer dio
128	9	3100	2	<0.2	grn-gry mdg ss
129	9	3300	3	<0.2	lt grn-gry phyl sh
130	9	3800	14	<0.2	grn mdg dio
131	9	3850	183	<0.2	rd-grn mdg dio
132	9	3900	4782	<0.2	wht vqz
133	9	3950	961	<0.2	purp-lm wht vqz
134	9	4000	49	<0.2	rd-brn hg phyl sdy sh
135	9	4100	8	<0.2	wht~brn vqz
136	9	4150	12	<0.2	lt grn-gry sil fng phyl ss
137	9	4250	21	<0.2	grn-gry fng ss
138	9	4400	5	<0.2	grn mer dio
139	9	4750	3	<0.2	grn mdg dio
140	9	5000	3	<0.2	grn-gry mdg hf
141	10	3700	3	<0.2	lt grn-gry fng ss
142	10	3800	7	<0.2	rd-dp grn mer dio
143	10	3850	13	<0.2	rd-brn alt wk argd rk
144	10	3900	9	<0.2	lt grn-gry mdg hg phyl ss
145	10	3950	15	<0.2	lt grn-gry mdg hg phyl ss
146	10	4050	26	<0.2	lt grn-gry mdg hg phyl ss
147	10	4100	19	<0.2	rd-brn alt sheared wk argd rk
148	10	4150	195	<0.2	wht vqz
149	10	4200	3	<0.2	grn-gry mdg sil ss
150	10	4350	2	<0.2	grn-gry fng phyl ss

Appendix 2-7 Assay Results (geochemical analyses) (4)

Ser. No.	Sample		Au	Ag	Description
	Line	Distance	ppb	ppm	
151	11	3600	4	<0.2	grn gry fng ss
152	11	3650	20	<0.2	lt grn-gry fng ss
153	11	3700	3	<0.2	grn mer dio
154	11	3750	3	<0.2	rd-brn ~ brn (lm) ~ wht vqz
155	11	3800	5	<0.2	wht vqz
156	11	3850	4	<0.2	rd-brn alt phyl sh
157	11	3900	3	<0.2	lt grn-gry fng phyl ss
158	11	3950	16	<0.2	lt grn-gry sdy phyl sh
159	11	4000	104	<0.2	wht vqz
160	11	4050	3	<0.2	lt grn-gry mdg sil ss w/ qzvl
161	11	4200	5	<0.2	lt grn-gry fng phyl ss
162	11	4800	4	<0.2	grn mdg dio
163	12	3300	3	<0.2	grn-gry fng ss
164	12	3500	3	<0.2	grn-gry fng ss
165	12	3600	3	<0.2	grn-gry fng ss
166	12	3800	675	<0.2	rd-brn mer dio
167	12	3850	29	<0.2	wht vqz
168	12	3900	7	<0.2	grn-gry fng sil ss
169	12	3950	6	<0.2	wht vqz
170	12	4000	22	<0.2	pale rd-gry mdg sil ss
171	12	4100	5	<0.2	pale rd-gry mdg sil ss
172	12	4300	3	<0.2	grn-gry mdg phyl ss
173	12	5000	4	<0.2	grn and (marginal dio)
174	13	3550	10	<0.2	grn-gry fng phyl, ss
175	13	3650	144	<0.2	grn-gry mdg sil ss
176	13	3700	3521	<0.2	red-grn mer dio
177	13	3750	17	<0.2	grn-dk gry and
178	13	3800	40	<0.2	rd brn mer dio, wthd
179	13	3850	130	<0.2	grn mer dio
180	13	3900	8	<0.2	wht vqz
181	13	4000	13	<0.2	rd brn mer dio, lm
182	13	4100	6	<0.2	grn mdg dio pnk qz & cal v
183	13	4500	6	<0.2	grn-gry mdg sil ss
184	13	4700	4	<0.2	grn mer dio
185	13	4900	2	<0.2	grn mer dio
186	14	3000	10	<0.2	grn mer dio
187	14	3300	1	<0.2	grn-gry mdg phyl ss
188	14	3500	3	<0.2	lt grn-gry sdy sh
189	14	3600	3	<0.2	rd-brn mdg phyl sil ss
190	14	3650	25	<0.2	wht vqz
191	14	3700	5	<0.2	dk grn mdg dio
192	14	3750	13	<0.2	wht vqz
193	14	3800	270	<0.2	dk grn mer dio
194	14	3850	731	<0.2	dk grn mer dio
195	14	4100	7	<0.2	rd-brn alt rk, wthd
196	14	4300	1	<0.2	grn mdg dio, wthd
197	15	3600	37	<0.2	lt grn-gry fng mdg phyl ss
198	15	3650	32	<0.2	wht vqz
199	15	3700	165	<0.2	dk grn mdg dio pnk qz
200	15	3750	4458	<0.2	grn-gry and

Appendix 2-7 Assay Results (geochemical analyses) (5)

Ser. No.	Sample		Au	Ag	Description
	Line	Distance	ppb	ppm	
201	15	3800	635	<0.2	grn-gry mer dio
202	15	3900	115	<0.2	grn-gry fng phyl ss
203	15	3950	21	<0.2	rd-dp grn mer phyl dio
204	15	4250	1	<0.2	grn-gry fng phyl ss
205	15	4450	2	<0.2	grn-gry mdg phyl ss
206	15	4800	1	<0.2	grn csg dio, wthd
207	15	5000	13	<0.2	grn gry mdg phyl dio
208	16	3600	190	<0.2	lt grn-gry fng phyl ss
209	16	3650	42	<0.2	rd-grn fng mer dio
210	16	3700	647	<0.2	wht vqz
211	16	3725	251	<0.2	wht vqz
212	16	3775	272	<0.2	lt grn-yel mdg dio, many py, lm
213	16	3800	1384	<0.2	lt grn-gry mdg dio, py & wht vqz w/ py
214	16	3850	316	<0.2	dk grn mer dio
215	16	3900	12	<0.2	dk grn mer dio
216	16	4200	38	<0.2	grn mdg sil hf
217	16	4900	99	<0.2	grn md~csg dio
218	17	3100	4	<0.2	phyl ss
219	17	3500	8	<0.2	lt grn-gry phyl sh, wthd
220	17	3600	30	<0.2	lt grn-gry phyl ss
221	17	3650	9	<0.2	lt grn-gry phyl sh, wthd
222	17	3700	245	<0.2	lt grn-gry phyl sh, wthd
223	17	3750	270	<0.2	dk grn mdg dio, py, pnk qz
224	17	3800	139	<0.2	dk grn mdg dio, py, pnk qz, wthd & vqz
225	17	3900	13	<0.2	phyl ss
226	17	4450	3	<0.2	grn gry fng ss
227	17	4800	7	<0.2	grn mer dio
228	17	5000	1	<0.2	grn csg dio
229	18	3000	<1	<0.2	rd-grn mdg hf
230	18	3250	2	<0.2	grn-gry phyl sh
231	18	3500	<1	<0.2	grn-gry phyl, sheared
232	18	3600	13	<0.2	grn-gry phyl, sheared
233	18	3700	1338	<0.2	grn mer dio wht vqz
234	18	3750	286	<0.2	rd-brn mdg dio wht vqz
235	18	3800	58	<0.2	grn-gry mdg ss
236	18	3900	18	<0.2	dk grn mer dio, pnk vqz, wthd
237	18	4000	<1	<0.2	grn-gry mdg sil ss
238	18	4250	<1	<0.2	grn-gry mdg sil ss
239	18	4550	<1	<0.2	grn-gry fng ss, wthd
240	19	3400	5	<0.2	lt grn-gry fng sil ss
241	19	3600	27	<0.2	lt grn-gry sdy sh
242	19	3650	14	<0.2	dk grn mer dio
243	19	3700	1694	<0.2	grn mdg dio & wht qz vlet, py, partly rd-brn
244	19	3750	36	<0.2	dk grn mer dio, py
245	19	3800	1	<0.2	grn-gry phyl sh
246	19	3900	25	<0.2	grn-gry mdg ss
247	19	4100	<1	<0.2	grn-gry phyl ss, wthd
248	19	4400	<1	<0.2	lt grn-gry fng phyl ss
249	19	4700	1	<0.2	grn-gry fng ss
250	19	4900	11	<0.2	lt grn-gry fng ss, sheared

Appendix 2-7 Assay Results (geochemical analyses) (6)

Ser. No.	Sample		Au	Ag	Description
	Line	Distance	ppb	ppm	
251	20	3650	28	<0.2	grn-gry fng sil ss
252	20	3700	282	<0.2	wht vqz
253	20	3850	21	<0.2	phyl ss
254	20	3950	2	<0.2	wht vqz
255	20	4050	3	<0.2	grn-gry fng phyl ss
256	20	4200	<1	<0.2	lt grn-gry mdg ss
257	20	4500	1	<0.2	dk grn mdg hf (ss)
258	20	5000	<1	<0.2	dk grn-gry mdg sil ss
259	21	500	<1	<0.2	dk grn mdg dio pnk qz, wthd
260	21	650	25	<0.2	wht vqz
261	21	675	5	<0.2	granulated wht ~ brn vqz
262	21	700	81	<0.2	granulated wht vqz
263	21	750	7	<0.2	brn mcr ~ mdg dio
264	21	900	121	<0.2	rd-brn mcr dio, wthd
265	21	1100	<1	<0.2	grn-gry csg sil ss
266	21	2000	4	<0.2	grn-gry mdg sil ss
267	21	2100	1	<0.2	grn-gry mdg sil ss
268	21	2900	<1	<0.2	grn-gry mdg ss
269	21	3150	<1	<0.2	dk grn-gry mdg ss
270	21	3500	4	<0.2	grn-gry fng ss
271	21	3700	12	<0.2	grn-gry phyl sh
272	21	3850	3	<0.2	dk grn mdg dio
273	21	3900	9	<0.2	wht qz-tor v
274	21	3950	34	<0.2	grn-gry mcr dio
275	21	4000	14	<0.2	rd-brn mcr dio
276	21	4300	<1	<0.2	grn-gry fng ss
277	21	4650	2	<0.2	grn-gry phyl sh
278	21	4800	3	<0.2	grn-gry phyl sh
279	22	300	3	<0.2	gry phyl sh, wthd
280	22	600	6	<0.2	gry phyl sh, wthd
281	22	625	6	<0.2	wht vqz
282	22	650	17	<0.2	wht vqz
283	22	700	5	<0.2	rd-brn alt phyl rk, wthd
284	22	750	20	<0.2	rd-orange alt rk, wthd lm
285	22	900	15	<0.2	pale rd-brn mdg sil ss
286	22	1100	2	<0.2	grn-gry fng phyl ss
287	22	1700	1	<0.2	gry fng sil ss
288	22	1900	1	<0.2	grn-gry phyl sh
289	22	2000	3	<0.2	grn-gry fng phyl ss
290	22	2100	2	<0.2	grn-gry phyl sdy sh
291	22	2200	1	<0.2	wthd sh
292	22	2300	13	<0.2	grn-gry fng ss
293	22	2700	4	<0.2	grn-gry mdg sil ss
294	22	3300	2	<0.2	grn-gry fng phyl ss
295	22	3550	5	<0.2	grn-gry fng phyl ss
296	22	3700	4	<0.2	lt grn-gry phyl sh
297	22	3800	13	<0.2	rd-grn mdg sil ss
298	22	3850	4	<0.2	grn mdg dio
299	22	3900	4	<0.2	grn md~coag dio
300	22	3950	7	<0.2	grn mdg dio

Appendix 2-7 Assay Results (geochemical analyses) (7)

Ser. No.	Sample		Au	Ag	Description
	Line	Distance	ppb	ppm	
301	22	4000	15	<0.2	grn ~ rd-brn mer dio, cal v (powder)
302	22	4100	8	<0.2	grn ~ gry fng sil ss
303	22	4200	2	<0.2	grn ~ gry fng sil ss
304	22	4400	1	<0.2	rd-grn hf
305	22	4750	<1	<0.2	grn-gry sdy phyl sh
306	23	0	4	<0.2	rd-brn alt rk, wthd
307	23	700	2	<0.2	rd-brn alt dio
308	23	800	6	<0.2	rd-brn alt phyl dio
309	23	900	10	<0.2	rd-grn mdg dio
310	23	1000	<1	<0.2	fresh grn mdg dio, wthd
311	23	1150	1	<0.2	dk grn-gry mer dio
312	23	1350	2	<0.2	grn-gry fng sil ss
313	23	1950	2	<0.2	grn-gry mdg sil ss
314	23	2050	0	<0.2	grn-gry mdg sil ss
315	23	2150	2	<0.2	grn-gry mdg sil ss
316	23	2200	<1	<0.2	dk grn-gry sil ss
317	23	2300	<1	<0.2	dk grn-gry sil ss
318	23	2400	<1	<0.2	grn-gry fng~mdg sil ss
319	23	2950	<1	<0.2	grn-gry fng~mdg sil ss
320	23	3200	3	<0.2	lt grn-gry fng ss
321	23	3750	1	<0.2	lt grn-gry hg phyl ss
322	23	3850	1	<0.2	dk grn mer dio
323	23	3950	2	<0.2	dk rd ~ dk grn mer ~ mdg sil dio
324	23	4050	101	<0.2	hem rd mdg dio
325	23	4150	6	<0.2	dk rd-brn ~ grn mdg dio
326	23	4250	2	<0.2	dk grn mer dio
327	23	4350	1	<0.2	red-grn dio, wthd
328	23	4550	5	<0.2	grn-gry hg phyl sheared dio
329	23	4750	1	<0.2	dk rd-brn mer dio
330	24	100	2	<0.2	grn-gry mdg dio
331	24	200	1	<0.2	rd-brn hg phyl dio
332	24	500	1	<0.2	grn-gry fng sil ss
333	24	900	5	<0.2	rd-brn ~ grn mdg dio
334	24	1500	1	<0.2	fresh grn mer dio
335	24	2050	3	<0.2	dk grn-gry phyl mdg ss
336	24	2100	47	<0.2	grn-gry md ~ fng phyl ss
337	24	2150	4	<0.2	grn-gry md ~ fng phyl ss
338	24	2250	2	<0.2	grn-gry md ~ fng phyl ss
339	24	2650	1	<0.2	grn-gry hg phyl ss
340	24	3050	2	<0.2	grn-gry phyl ss
341	24	3350	1	<0.2	grn-gry fng phyl ss
342	24	3550	4	<0.2	dk grn-gry mdg phyl ss
343	24	3850	3	<0.2	grn-gry fng phyl ss
344	24	4000	3	<0.2	grn-gry and
345	24	4050	30	<0.2	grn mer dio
346	24	4100	5	<0.2	rd-brn mer dio
347	24	4150	2	<0.2	dk grn mer dio
348	24	4200	5	<0.2	dk grn mer dio
349	24	4250	12	<0.2	dk grn mdg dio feld
350	24	4400	2	<0.2	rd-brn hg phyl sheared rk (dio)

Appendix 2-7 Assay Results (geochemical analyses) (8)

Ser. No.	Sample		Au	Ag	Description
	Line	Distance	ppb	ppm	
351	24	4500	1	<0.2	vqz-tor
352	24	4750	1	<0.2	grn-gry mer dio
353	25	200	35	<0.2	grn hg phyl mer dio
354	25	300	800	<0.2	rd-brn ~ grn mdg dio & wht vqz
355	25	400	16	<0.2	dp grn mer dio, pnk qz
356	25	700	32	<0.2	rd-brn phyl dio
357	25	725	724	<0.2	wht vqz & rd-brn sil phyl dio
358	25	750	138	<0.2	pnk alt mer dio
359	25	975	10	<0.2	rd-brn sil phyl dio
360	25	1175	2	<0.2	grn-gry mer dio, withd
361	25	1675	0	<0.2	fresh grn mdg dio
362	25	1775	<1	<0.2	fresh grn mdg dio
363	35	2025	20	<0.2	rd-brn hg phyl dio
364	25	2050	1840	<0.2	rd-brn hg phyl dio
365	25	2075	36	<0.2	rd-brn ~ dk grn phyl mer dio
366	25	2100	35	<0.2	wht vqz
367	25	2150	15	<0.2	grn-gry phyl ss
368	25	2200	12	<0.2	grn-gry phyl ss
369	25	2400	5	<0.2	grn-gry phyl sh
370	26	0	14	<0.2	grn-gry mer dio
371	26	200	16	<0.2	grn mdg dio pnk qz
372	26	275	77	<0.2	rd-dk grn mdg dio py & vqz
373	26	550	49	<0.2	rd-brn mdg phyl dio pnk qz
374	26	650	30	<0.2	rd-brn ~ yel-grn mdg dio
375	26	675	89	<0.2	lt gry phyl ser dio wht vqz
376	26	700	31	<0.2	lt gry sil dio (ss)
377	26	900	10	<0.2	grn phyl mer dio
378	26	950	2544	<0.2	rd-brn ~ grn phyl mer dio
379	26	1050	53	<0.2	grn-gry mdg vitreous ss
380	26	1750	3	<0.2	rd-brn phyl mer dio
381	26	1850	3	<0.2	dp fresh grn mdg dio
382	26	1950	5	<0.2	grn high phyl dio & powder cal v
383	26	2000	2	<0.2	rd-brn ~ grn phyl mdg dio, py
384	26	2025	5	<0.2	rd-brn ~ grn phyl mdg dio, py
385	26	2050	66	<0.2	rd-brn ~ grn phyl mdg dio, py
386	26	2100	1056	<0.2	rd-brn high phyl & wht vqz
387	26	2125	184	<0.2	wht vqz
388	26	2150	81	<0.2	wht vqz & lt grn-gry sdy sch (and)
389	26	2200	15	<0.2	rd-brn lt grn-gry phyl ss
390	27	250	6	<0.2	grn-gry mdg ss (mer dio)
391	27	550	191	<0.2	dk grn-gry mdg dio
392	27	650	202	<0.2	dk rd-brn phyl dio
393	27	700	163	<0.2	yel-brn lm dio
394	27	725	120	<0.2	wht vqz
395	27	800	2	<0.2	fresh grn mer dio
396	27	900	93	<0.2	dk grn mdg dio pnk qz
397	27	1000	13	<0.2	wht vqz
398	27	1100	6	<0.2	pale rd-grn-gry mdg ss (mer dio)
399	27	1300	2	<0.2	grn-gry mdg ss
400	27	1750	<1	<0.2	fresh grn mer dio ep vlt

Appendix 2-7 Assay Results (geochemical analyses) (9)

Ser. No.	Sample		Au	Ag	Description
	Line	Distance	ppb	ppm	
401	27	1950	2941	<0.2	wht vqz
402	27	2000	35	<0.2	grn mdg phyl dio pnk qz
403	27	2025	52	<0.2	red-brn phyl mer dio pnk qz
404	27	2050	154	<0.2	wht vqz
405	27	2075	52	<0.2	grn-gry phyl ser mer dio pnk qz
406	27	2100	38	<0.2	rd-brn-gry phyl and
407	27	2125	219	<0.2	wht vqz rd-brn alt rk
408	27	2200	9	<0.2	grn-gry mdg phyl ss (and)
409	27	2300	40	<0.2	grn-gry mdg ss pnk qz (and)
410	27	2550	2	<0.2	grn-gry phyl sh pnk qz
411	27	3000	2	<0.2	grn-gry fn-mdg phyl ss
412	28	300	5	<0.2	grn-gry ss
413	28	500	3	<0.2	grn-gry mer dio
414	28	650	13	<0.2	rd-brn phyl dio
415	28	700	5	<0.2	rd-brn mdg quartzite
416	28	800	2	<0.2	fresh grn mer dio
417	28	850	3	<0.2	grn-gry mdg dio
418	28	900	6	<0.2	rd-brn dio
419	28	1000	1	<0.2	dk grn mdg dio
420	28	1800	3	<0.2	dk grn and
421	28	1900	119	<0.2	rd-brn grn mdg phyl dio
422	28	1925	1118	<0.2	lt grn tf ser sch
423	28	1950	3755	<0.2	wht vqz
424	28	1975	8024	<0.2	wht vqz grn dio
425	28	2000	56	<0.2	wht vqz
426	28	2025	2534	<0.2	rd-brn mdg dio
427	28	2050	290	<0.2	wht vqz
428	28	2075	3290	<0.2	wht vqz
429	28	2100	211	<0.2	grn-gry phyl ser chl dio
430	28	2150	14	<0.2	grn-gry mdg phyl ser ss
431	28	2450	13	<0.2	grn-gry mdg phyl ser ss
432	29	625	34	<0.2	
433	29	675	8	<0.2	rd-brn mdg dio
434	29	700	90	<0.2	wht vqz
435	29	725	25	<0.2	
436	29	750	19	<0.2	wht ~ brn vqz, lm & yel brn dio
437	29	775	4	<0.2	rd-brn yel-brn mer dio, lm, qzvlr
438	29	800	1201	<0.2	yel brn mdg dio, lm, qzvlr
439	29	850	39	<0.2	grn-gry mer dio
440	29	900	8	<0.2	grn-gry mdg dio, pnk cal
441	29	950	55	<0.2	rd brn mdg dio, pnk cal
442	29	1025	4	<0.2	grn mdg dio, pl pnk cal
443	29	1125	5	<0.2	grn-gry fng ss
444	29	1325	3	<0.2	grn-gry mdg dio
445	29	1925	891	<0.2	rd brn-grn mer dio
446	29	1950	127	<0.2	rd-brn grn mer dio lm
447	29	1975	831	<0.2	wht vqz & rd-brn dio
448	29	2000	757	<0.2	wht vqz
449	29	2025	3060	<0.2	wht vqz
450	29	2050	1615	<0.2	wht vqz

Appendix 2-7 Assay Results (geochemical analyses) (10)

Ser. No.	Sample		Au	Ag	Description
	Line	Distance	ppb	ppm	
451	29	2075	16059	<0.2	wht vqz w/ visible Au
452	29	2100	9212	<0.2	rd brn ~ grn mer dio
453	29	2150	243	<0.2	grn chl ep mer dio
454	29	2200	66	<0.2	grn gry wk phyl fng ss
455	29	2300	80	<0.2	grn-gry ss
456	29	3000	17	<0.2	grn-gry ss
457	30	0	105	<0.2	grn mdg phyl ss
458	30	600	43	<0.2	grn mer dio
459	30	650	25	<0.2	grn sch mer dio
460	30	675	189	<0.2	rd-brn ~ grn alt and
461	30	700	2873	<0.2	wht vqz w/ lm
462	30	775	82	<0.2	wht vqz w/ fine crack
463	30	800	49	<0.2	rd-brn alt and
464	30	825	130	<0.2	rd-brn alt and
465	30	1025	31	<0.2	grn alt sch and
466	30	1775	10	<0.2	lt grn-gry fng phyl ss
467	30	1825	12	<0.2	grn tfs phyl ss
468	30	1875	23	<0.2	lt grn gry sch (dio origin)
469	30	1900	49	<0.2	rd-brn mer dio
470	30	1925	67	<0.2	rd-brn ~ grn mer dio
471	30	1950	2859	<0.2	wht vqz
472	30	1975	283	<0.2	wht vqz w/ lm
473	30	2000	2095	<0.2	wht vqz
474	30	2025	120	<0.2	wht vqz w/ lm
475	30	2050	36	<0.2	wht vqz
476	30	2100	603	<0.2	wht vqz
477	30	2125	145	<0.2	rd-brn ~ grn mer dio
478	30	2175	19	<0.2	grn ep chl and
479	30	2375	11	<0.2	grn ep chl and
480	30	2500	86	<0.2	grn-gry wk sil fng ss
481	31	300	4	<0.2	grn-gry mdg sil ss
482	31	400	30	<0.2	grn sch mer dio
483	31	500	44	<0.2	grn sch mer dio
484	31	600	118	<0.2	grn sch mdg dio w/ wht vqz
485	31	625	158	<0.2	grn sch mdg dio
486	31	650	5874	<0.2	grn sch mdg dio
487	31	675	10235	<0.2	grn alt sch and
488	31	725	3092	<0.2	rd-brn sch mdg dio
489	31	750	14437	<0.2	rd-brn sch mdg dio
490	31	775	162	<0.2	wht vqz w/ fine crack
491	31	800	27	<0.2	rd-brn alt rk (dio?) + wht vqz
492	31	900	29	<0.2	rd-brn ~ grn alt sch and
493	31	1125	6	<0.2	grn-gry ~ rd-brn sil ss
494	31	1500	7	<0.2	grn alt and
495	31	1650	7	<0.2	grn mdg dio
496	31	1700	5	<0.2	grn mdg dio
497	31	1800	1427	<0.2	grn sch dio
498	31	1825	33	<0.2	grn wthd mdg dio
499	31	1850	5220	<0.2	vqz + rd brn py diss mdg dio
500	31	1875	141	<0.2	wht vqz + rd-brn dio

Appendix 2-7 Assay Results (geochemical analyses) (11)

Ser. No.	Sample		Au	Ag	Description
	Line	Distance	ppb	ppm	
501	31	1900	90	<0.2	wht vqz + grn sch dio
502	31	1925	13808	<0.2	grn sch dio
503	31	1950	79	<0.2	wht vqz w/ lm ser py
504	31	1975	194	<0.2	wht vqz w/ lm hem ser
505	31	2025	1182	<0.2	wht vqz + rd-brn mer dio
506	31	2050	677	<0.2	wht vqz w/ lm hem
507	31	2075	60	<0.2	wht vqz w/ lm
508	31	2100	8308	<0.2	grn ~ rd-brn alt and
509	31	2125	54	<0.2	grn mer dio w/ qzvt
510	31	2150	16	<0.2	grn alt and w/ ep cal vlt
511	31	2200	179	<0.2	grn alt and w/ ep cal vlt
512	31	2250	25	<0.2	grn alt and
513	31	2400	36	<0.2	grn-gry mdg ~ fng phyl ss
514	32	200	17	<0.2	grn fng and (dio)
515	32	400	8	<0.2	grn mer dio
516	32	500	37	<0.2	chl lm dio
517	32	525	132	<0.2	chl lm dio
518	32	550	156	<0.2	lm dio
519	32	600	19	<0.2	lm sil dio
520	32	800	176	<0.2	stg sil rk
521	32	1000	28	<0.2	dk grn mer dio
522	32	1125	49	<0.2	sil lm dio
523	32	1500	3	<0.2	gry ss w/ cal net
524	32	1650	11	<0.2	dk grn dio
525	32	1700	5	<0.2	grn-gry dio
526	32	1750	5	<0.2	grn-gry dio
527	32	1850	168	<0.2	sil sh w/ cly qz net
528	32	1900	54	<0.2	vqz w/ cal lm fm
529	32	1925	145	<0.2	vqz w/ cal lm fm
530	32	1950	21	<0.2	vqz w/ cal lm fm
531	32	1975	14	<0.2	vqz w/ cal lm fm
532	32	2000	562	<0.2	vqz w/ lm fm
533	32	2025	3655	<0.2	vqz w/ argd sh
534	32	2050	7419	<0.2	bre vqz w/ lm fm
535	32	2075	6903	<0.2	sil lm sh w/ qz net
536	32	2100	183	<0.2	sil lm argd sh
537	32	2125	30	<0.2	stg argd sh
538	32	2150	267	<0.2	sil lm sh
539	32	2200	16	<0.2	fng ss
540	32	2250	10	<0.2	fng ss
541	32	2300	1	<0.2	fng ss
542	32	2350	5	<0.2	fng ss
543	32	2500	1	<0.2	sil lm
544	33	500	22	<0.2	chl dio w/ cal fm
545	33	800	6	<0.2	sil lm dio
546	33	900	13	<0.2	stg sil dio
547	33	1000	2	<0.2	lm sil dio
548	33	1125	1934	<0.2	stg sil rk qz net
549	33	1150	46	<0.2	lm and (dio)
550	33	1650	8	<0.2	chl dio

Appendix 2-7 Assay Results (geochemical analyses) (12)

Ser. No.	Sample		Au	Ag	Description
	Line	Distance	ppb	ppm	
551	33	1700	17	<0.2	chl dio
552	33	1750	7	<0.2	chl dio
553	33	1800	11	<0.2	chl dio
554	33	1850	44	<0.2	sil lm dio
555	33	1875	14650	<0.2	vqz w/ lm fm
556	33	1900	189	<0.2	vqz w/ lm fm
557	33	1925	185	<0.2	vqz w/ lm fm
558	33	1950	130	<0.2	vqz w/ lm fm
559	33	1975	5214	<0.2	vqz w/ lm fm
560	33	2000	10232	<0.2	vqz w/ lm fm
561	33	2025	290	<0.2	vqz w/ lm fm
562	33	2050	2133	<0.2	sil sh
563	33	2100	187	<0.2	stg sil rk w/ qz net
564	33	2150	37	<0.2	chl and (dio)
565	33	2200	15	<0.2	chl and (dio)
566	33	2400	4	<0.2	chl dio w/ cal net
567	33	3000	11	<0.2	grn-gry fng ss
568	34	200	9	<0.2	gry phyl fng ss
569	34	575	61	<0.2	grn chl qz dio po
570	34	700	5	<0.2	rd brn stg lm dio
571	34	825	11	<0.2	grn chl dio lm net
572	34	930	7	<0.2	stg sil brn wht dio + vqz
573	34	1000	<1	<0.2	rd brn lm-chl dio
574	34	1100	4	<0.2	rd brn/grn fng dio
575	34	1200	3	<0.2	dp grn chl fng dio
576	34	1450	205	<0.2	grn chl dio
577	34	1600	11	<0.2	grn ep-chl dio
578	34	1710	4	<0.2	grn gry fng ss lm fm
579	34	1750	1	<0.2	grn gry fng ss lm fm
580	34	1800	2	<0.2	grn gry fng ss lm fm
581	34	1850	209	<0.2	rd brn lm-sil dio
582	34	1875	14067	<0.2	vqz + drown sil dio
583	34	1900	210	<0.2	vqz lm fm
584	34	1925	2977	<0.2	vqz lm fm
585	34	1950	656	<0.2	qz w/ fine blk min
586	34	1975	2100	<0.2	qz w/ oxid opq
587	34	2000	3124	<0.2	rd brn lm-sil sh
588	34	2025	108	<0.2	vqz lm fm
589	34	2050	65	<0.2	stg sil rk qz net
590	34	2100	137	<0.2	rd brn sil-lm ss
591	34	2150	11	<0.2	gry wk sil fng ss
592	34	2200	30	<0.2	grn chl ba-and
593	34	2250	2	<0.2	grn chl mer dio
594	34	2525	2	<0.2	grn chl and qz net
595	35	350	5	<0.2	lt gry phyl
596	35	670	3	<0.2	grn chl dio po
597	35	940	2	<0.2	dp grn chl-lm dio
598	35	1000	25	<0.2	pale brn f cly
599	35	1050	2	<0.2	rd brn st lm dio
600	35	1100	2	<0.2	dp grn lm-chl dio

Appendix 2-7 Assay Results (geochemical analyses) (13)

Ser. No.	Sample		Au	Ag	Description
	Line	Distance	ppb	ppm	
601	35	1150	4	<0.2	rd brn lm ep chl dio
602	35	1250	3	<0.2	dp grn ep chl dio
603	35	1550	9	<0.2	grn gry fng ss
604	35	1750	12	<0.2	dp grn ep-chl dio
605	35	1800	32	<0.2	grn sheared dio
606	35	1850	56	<0.2	stg sil brn gry shear dio
607	35	1900	3316	<0.2	argd-sil-lm dio + qz net
608	35	1925	23	<0.2	vqz w/ lm fm
609	35	1950	55	<0.2	vqz w/ lm fm
610	35	1975	2153	<0.2	vqz w/ lm fm
611	35	2000	4226	<0.2	qz-cal v lm fm
612	35	2025	15079	<0.2	qz-cal v lm fm
613	35	2050	281	<0.2	sil-lm ss? rd brn
614	35	2075	1524	<0.2	gry fng ss cal fm
615	35	2100	88	<0.2	gry wk sil lm ss
616	35	2150	41	<0.2	gry ss-lm-cal fm
617	35	2200	12	<0.2	grn gry wk sil lm ss
618	36	250	9	<0.2	grn gry ss + gry sh
619	36	900	7	<0.2	grn dio po lm fm
620	36	1000	37	<0.2	rd brn lm-sil dio
621	36	1100	82	<0.2	rd brn f cly
622	36	1150	39	<0.2	f cly pale brn wht
623	36	1200	8	<0.2	pale brn stg sil dio
624	36	1300	9	<0.2	wk sil-chl grn dio
625	36	1400	8	<0.2	grn gry dio
626	36	1550	3	<0.2	grn gry fng ss
627	36	1750	5	<0.2	gry cly sh
628	36	1850	23	<0.2	grn gry sheared ss
629	36	1900	12	<0.2	gry stg sil rk
630	36	1925	201	<0.2	brn stg argd rk
631	36	1950	1603	<0.2	brn stg argd rk
632	36	1975	2141	<0.2	brn stg argd dio?
633	36	2000	125	<0.2	sch stg sil-lm
634	36	2050	57	<0.2	grn chl dio cal fm
635	36	2100	25	<0.2	gry fng cal fm
636	36	2300	5	<0.2	gry fng ss
637	36	2535	4	<0.2	grn ep-chl fng and
638	36	5750	7	<0.2	gry mdg ss-sdy sh
639	37	0	4	<0.2	dp grn wk lm dio
640	37	175	2	<0.2	dp grn mer dio
641	37	350	4	<0.2	grn gry fng ss
642	37	815	4	<0.2	grn chl fng dio
643	37	1050	1511	<0.2	rd-brn stg lm dio
644	37	1100	55	<0.2	rd brn lm-chl dio
645	37	1150	68	<0.2	stg lm sil dio + vqz 20cm
646	37	1200	82	<0.2	stg sil dio brn wht
647	37	1250	73	<0.2	pale brn f cly
648	37	1325	6	<0.2	grn chl-lm dio
649	37	1375	2	<0.2	grn chl fng dio
650	37	1425	5	<0.2	grn chl-lm dio

Appendix 2-7 Assay Results (geochemical analyses) (14)

Ser. No.	Sample		Au	Ag	Description
	Line	Distance	ppb	ppm	
651	37	1600	3	<0.2	grn chl dio
652	37	1800	25	<0.2	grn gry sil ss
653	37	1850	5	<0.2	wk sil gry fng ss
654	37	1900	28	<0.2	qz-cal v lm-fm
655	37	1950	1078	<0.2	rd-brn stg sil dio
656	37	2000	11	<0.2	grn chl wk lm dio
657	37	2620	4	<0.2	grn chl mdg dio
658	37	3000	6	<0.2	gry fng ss
659	38	250	3	<0.2	grn fng dio
660	38	725	5	<0.2	lt gry phyl
661	38	1000	3	<0.2	grn gry fng ss
662	38	1100	6	<0.2	gry phyl cal fm
663	38	1150	44	<0.2	rd brn lm-sil dio
664	38	1175	37	<0.2	vqz lm fm w=2m
665	38	1200	35	<0.2	lm-sil dio rd brn
666	38	1250	4	<0.2	brn/grn chl-lm dio
667	38	1300	28	<0.2	brn/grn chl-lm and
668	38	1350	7	<0.2	brn/grn lm-sil dio
669	38	1525	9	<0.2	grn chl and
670	38	1700	4	<0.2	grn chl dio
671	38	1800	5	<0.2	sch grn chl dio
672	38	1900	24	<0.2	sch grn chl dio
673	38	2000	6	<0.2	gry fng ss
674	38	2200	2	<0.2	grn chl dio
675	38	2725	3	<0.2	grn chl dio
676	39	450	3	<0.2	grn gry phyl ss
677	39	1210	2	<0.2	purp gry sdy phyl
678	39	1450	6	<0.2	gry phyl
679	39	1500	12174	<0.2	qz + lm sil dio
680	39	1550	294	<0.2	rd pale brn stg sil dio
681	39	1600	234	<0.2	rd brn lm-sil dio
682	39	1785	20	<0.2	dp grn dio po
683	39	2000	16	<0.2	lt gry phyl sh
684	39	2400	7	<0.2	grn gry shear dio
685	39	2600	3	<0.2	grn gry ep-chl dio
686	40	350	2	<0.2	grn gry ss lm fm
687	40	900	1	<0.2	grn ep-chl dio lm-qz fm
688	40	1100	5	<0.2	lt gry phyl sh
689	40	1400	11	<0.2	lt gry phyl sh
690	40	1550	81	<0.2	rd brn stg sil fng ss qz net
691	40	1600	4479	<0.2	dp grn chl-lm dio
692	40	1650	142	<0.2	dp grn chl-lm dio
693	40	1700	9	<0.2	dp grn chl dio lm net
694	40	1800	4	<0.2	rd brn sil-lm dio por
695	40	1900	4	<0.2	grn gry ss lm net
696	40	2000	7	<0.2	grn gry phyl ss
697	40	2115	2	<0.2	grn gry fng ss
698	40	2900	3	<0.2	dp grn sch dio
699	41	35	4	<0.2	rd brn lm-sil dio
700	41	120	2	<0.2	dp grn ep-chl dio

Appendix 2-7 Assay Results (geochemical analyses) (15)

Ser. No.	Sample		Au	Ag	Description
	Line	Distance	ppb	ppm	
701	41	550	1	<0.2	purp gry phyl
702	41	1000	<1	<0.2	grn gry fng ss
703	41	1200	2	<0.2	dp grn fng dio qz net
704	41	1550	3	<0.2	grn gry schi ss
705	41	1600	5	<0.2	grn lt gry sil fng ss
706	41	1650	6	<0.2	rd brn lm-sil dio
707	41	1700	1	<0.2	rd brn lm-sil dio
708	41	1740	6	<0.2	rd-brn stg lm-sil dio
709	41	1810	9	<0.2	rd-brn stg lm-sil dio
710	41	1850	38	<0.2	rd-brn stg lm-sil dio
711	41	2150	3	<0.2	lt gry cly (sh origin)
712	41	2300	23	<0.2	grn sch dio
713	41	2800	1	<0.2	dp grn chl dio
714	42	1240	<1	<0.2	dp grn chl dio qz net
715	42	1530	2	<0.2	grn gry phyl ss lm net
716	42	1600	<1	<0.2	gry argd phyl
717	42	1650	<1	<0.2	gry wk sil sch ss
718	42	1700	2	<0.2	pale brn stg sil ss
719	42	1800	13	<0.2	stg withd gry trch
720	42	1900	3	<0.2	pale brn stg sil ss
721	42	2000	3	<0.2	dp grn chl dio po
722	42	2100	4	<0.2	dp grn chl dio po
723	42	2200	1	<0.2	grn gry sch ss wk sil
724	42	2250	10	<0.2	grn gry phyl ss lm-sil
725	42	2300	<1	<0.2	grn gry lm-sil ss
726	42	2350	<1	<0.2	grn gry lm phyl ss
727	42	2400	4	<0.2	grn gry wk argd phyl ss
728	42	2450	5	<0.2	grn gry wk argd phyl ss
729	42	2490	2	<0.2	grn gry shea ss lm net
730	42	2620	1	<0.2	grn gry phyl ss
731	43	1500	<1	<0.2	grn gry mcr dio
732	43	1710	1	<0.2	pale brn stg sil phyl dio
733	43	1750	1	<0.2	gry wht stg sil ss lm
734	43	1900	<1	<0.2	grn gry fng ss
735	43	2290	1	<0.2	dp grn dio
736	43	2350	10	<0.2	dp grn chl lm sil dio
737	43	2400	73	<0.2	dp grn chl lm dio
738	43	2450	11	<0.2	grn gry phyl ss
739	43	2500	8	<0.2	grn gry phyl ss
740	44	1550	3	<0.2	wht gry ss qz net
741	44	1650	4	<0.2	grn gry ss
742	44	1750	6	<0.2	grn gry fng ss lm
743	44	1850	1	<0.2	grn gry ss lm diss
744	44	2350	38	<0.2	dp grn dio po
745	44	2400	9	<0.2	grn dio po
746	44	2425	53	<0.2	rd brn lm sil dio
747	44	2450	16	<0.2	vqz lm fm
748	44	2500	211	<0.2	grn gry phyl ss
749	44	2630	5	<0.2	grn gry ss sch
750	45	1590	1	<0.2	grn gry py diss

Appendix 2-7 Assay Results (geochemical analyses) (16)

Ser. No.	Sample		Au	Ag	Description
	Line	Distance	ppb	ppm	
751	45	1730	7	<0.2	pale brn grn dio po
752	45	1820	2	<0.2	gry bi-kf trch
753	45	1870	0	<0.2	rd brn lm dio
754	45	2060	101	<0.2	grn gry wk sil ss qz net
755	45	2320	15	<0.2	dp grn lm dio
756	45	2345	27	<0.2	vqz w/ lm fm
757	45	2370	83	<0.2	vqz w/ lm fm
758	45	2395	85	<0.2	rd brn lm dio
759	45	2420	36	<0.2	dp grn lm-sil dio
760	45	2445	102	<0.2	vqz + lm net
761	45	2470	2876	<0.2	vqz + lm net
762	45	2495	54	<0.2	vqz + lm net
763	45	2520	22	<0.2	vqz+lm net
764	45	2545	6922	<0.2	vqz + lm net
765	45	2570	170	<0.2	grn gry phyl ss
766	46	1650	144	<0.2	gry fng glauconite ss
767	46	1720	2	<0.2	pale brn wht sil sch ss
768	46	1840	3	<0.2	pale brn wht sil sch ss
769	46	1875	<1	<0.2	rd brn lm dio
770	46	1920	6	<0.2	rd brn lm dio
771	46	2300	1	<0.2	grn ep-chl dio po
772	46	2325	15	<0.2	rd brn lm-sil dio
773	46	2350	142	<0.2	rd brn lm-sil dio
774	46	2425	2040	<0.2	rd brn lm-sil dio
775	46	2450	26	<0.2	rd brn lm-sil dio
776	46	2475	1346	<0.2	rd brn lm-sil dio
777	46	2500	971	<0.2	vqz + lm net
778	46	2525	2505	<0.2	vqz + lm net
779	46	2550	5476	<0.2	rd brn lm sil sch dio + vqz
780	46	2575	2077	<0.2	stg lm sil dio? qz net
781	46	2610	1335	<0.2	rd brn stg sil rk qz net
782	47	1700	2	<0.2	lt gry ss lm fm
783	47	1910	3	<0.2	brn wht stg sil ss
784	47	2000	6	<0.2	grn gry ss py diss
785	47	2080	5	<0.2	grn gry ss
786	47	2280	5	<0.2	grn chl dio lm diss
787	47	2300	1	<0.2	rd brn lm-sil dio
788	47	2325	54	<0.2	grn chl dio po
789	47	2375	156	<0.2	rd brn stg lm-sil dio
790	47	2500	12	<0.2	grn sch dio lm
791	47	2525	958	<0.2	vqz lm net
792	47	2550	44	<0.2	rd brn lm dio
793	47	2575	2944	<0.2	rd brn stg lm sil dio
794	47	2600	159	<0.2	rd brn stg lm-sil dio
795	47	2625	32	<0.2	vqz + lm
796	47	2650	64	<0.2	vqz + lm
797	47	2675	19	<0.2	rd brn lm sil dio
798	47	2700	9	<0.2	grn gry lm dis ss
799	47	2730	2	<0.2	grn gry ss
800	47	2850	1	<0.2	grn gry ss

Appendix 2-7 Assay Results (geochemical analyses) (17)

Ser. No.	Sample		Au	Ag	Description
	Line	Distance	ppb	ppm	
801	48	1450	1	<0.2	grn gry ss
802	48	1700	<1	<0.2	grn gry ss lm fm
803	48	1780	<1	<0.2	pale rd brn stg sil ss
804	48	1965	2	<0.2	lt gry wk sil ss
805	48	2030	1	<0.2	grn gry lm diss ss
806	48	2325	9	<0.2	dp grn chl dio lm
807	48	2375	203	<0.2	brn grn lm sil dio
808	48	2400	614	<0.2	stg sil lm dio
809	48	2425	1228	<0.2	vqz + lm fm
810	48	2450	4011	<0.2	rd brn stg sil-lm dio
811	48	2475	111	<0.2	brn gry sil-lm dio
812	48	2500	59	<0.2	stg sil-lm dio
813	48	2525	8	<0.2	dp grn lm diss dio
814	48	2575	36	<0.2	dp brn grn stg lm dio
815	48	2620	54	<0.2	gry sil ss
816	48	2650	67	<0.2	pale brn wht stg sil ss
817	48	3000	<1	<0.2	grn gry sch ss
818	49	1065	8	<0.2	dp grn chl sch dio + qz net
819	49	1530	12	<0.2	dp grn chl sch dio
820	49	1620	1	<0.2	dp grn chl sch dio
821	49	1760	1	<0.2	grn gry ss wk lm
822	49	1940	1	<0.2	grn gry ss
823	49	2350	13	<0.2	rd brn sil-lm dio
824	49	2425	1332	<0.2	vqz + lm w=lm
825	49	2450	62	<0.2	rd brn lm ss
826	49	2550	23	<0.2	grn brn lm sch dio
827	49	2620	10	<0.2	grn gry phyl ss wk lm
828	50	1500	26	<0.2	vqz 25cm
829	50	1585	1	<0.2	rd brn lm-chl sch dio
830	50	2000	9	<0.2	rd brn st lm dio
831	50	2150	2	<0.2	grn chl lm dio
832	50	2220	4	<0.2	dp grn lm dio
833	50	2320	1	<0.2	pale brn wht sil ss
834	50	2405	59	<0.2	pale brn gry sil phyl
835	50	2450	9	<0.2	lt gry lm sch ss
836	50	2500	10	<0.2	pale brn wht stg sil ss
837	50	2550	3	<0.2	rd brn sil-lm ss
838	50	2630	1	<0.2	grn gry sch ss
839	51	1180	<1	<0.2	grn gry ss
840	51	1350	<1	<0.2	qz lens lm 0.5×2m
841	51	1465	1	<0.2	grn gry ss
842	51	1555	12	<0.2	vqz lm net
843	51	1585	3	<0.2	yel brn stg sil rk
844	51	1710	<1	<0.2	grn gry lm ss
845	51	1810	3	<0.2	grn gry lm ss
846	51	1870	<1	<0.2	grn gry ss
847	51	1950	2	<0.2	rd/dp grn lm-sil dio
848	51	2100	2	<0.2	pale brn wht stg sil dio
849	51	2200	5	<0.2	pale brn wht sil ss
850	51	2300	4	<0.2	rd brn chl-lm dio