第III部　結論及び提言

第１章　結　　論

本年度アライ地域実施した衛星画像解析結果，地質調査，ボーリング調査で得られた結論を述べる。

５－１全域

(1) 本調査地域は南部天山山のトルキスタン・アライ地域に属する。トルキスタン・アライ地域では東西方向の衝上断層が発達し，東西に伸長するいくつかの細長い構造帯に区分される。

(2) 本調査地域は古生代オルドビス系・シルル系・デボン系・石炭系が分布する。これらの地層にヘルシニアン造山期のカラカズィク複合岩体・アルハバシン複合岩体・スルメタシュ複合岩体・トゥルムス複合岩体が貫入している。

(3) トルキスタン・アライ地域では，カラカズィクク複合岩体及びトゥルムス複合岩体の花崗岩類は，銅-金，金-砒素，銀-多金属，及びタングステンの鉱化に関連している。スルメタシュ複合岩体は錫-タングステン鉱化に関連している。

(4) 本調査地域の鉱床・鉱徴地として，アルティン・ジルガ鉱床群(Au・Cu)，アウグル-ガビアン鉱床群(Au・Cu)，コクスー鉱床群(Au・Ag・Bi・W・Sb・Pb・Zn)，アラウディン鉱床群（Sn・W)が確認されている。

(5) 衛星画像の地質判読結果から，33の地質単元に区分でき，これらの地質単元は既存地質図の地質層序分布とと概ね良い一致を示した。リニアメント及び地質構造判読の結果から，本地域のリニアメントの方向は東西系と北東-南西系が卓越した。東西系のリニアメント集中ゾーンとその周辺にコクスー鉱床群，アウグル鉱床群，アルティン・ジルガ鉱床群の金銅鉱床・鉱徴地が分布する。このため広域的には，東西系の断裂と鉱化作用との関連が指摘された。

(6) 調査地域南西部に小規模に点在するスペクトル異常は，環状構造を示すアルカリ岩類の分布域に位置している。このスペクトル異常はアルカリ岩類の貫入に伴う鉱化作用を反映している可能性が指摘された。

５－２　アルティン・ジルガ地区

(1) 本地区の鉱床は，石炭紀後期-二畳紀初期のカラカズィク複合岩体に属する花崗閃緑岩体とデボン紀クンベル層の大理石との接触部に形成された含金銅スカルン鉱床である。

(2) 主要スカルン鉱物は単斜輝石・ざくろ石・珪灰石である。スカルンは輝石スカルンが卓越するが，輝石-ざくろ石スカルン・珪灰石スカルンなどがある。輝石スカルンなどが珪化作用によって生じた珪化スカルンが，北部に多く分布する。

(3) 北部の第４スカルン鉱体での10本のボーリング調査結果から，花崗閃緑岩は下部で拡大し，地表部付近に広く分布するスカルン帯は深部で縮小していることが明らかとなった。第４スカルン鉱体中に金鉱化作用が広く認められたが，Au 0.1-0.5g/tの低品位であり，一部の濃集部（最高品位 Au 55.6g/t，幅50cm）を除き，まとまりの良い高品位部は捕捉されなかった。

(4) 中央部の第３スカルン鉱体中に優勢な金鉱化作用の存在が，1930mLの既存坑道調査により再確認された。ここで捕捉された鉱化帯は，金品位5-6g/t，鉱床範囲3,000m²程度の規模を示す。

(5) 本年度の既存坑道調査の結果，第３スカルン鉱体中にはNE-SW系の東または西傾斜の断裂と NW-SE系東に急傾斜の断裂が卓越した。断裂系と金鉱化との関係を検討した結果，これら両系統の断裂交会部に金鉱化が集中すると推定された。

(6) 北部の地表部及びボーリング・コアからの流体包有物均質化温度の平均値は118°-200℃を示し，一般的金鉱床の均質化温度である200°-300℃より低温であった。

(7) 含金硫砒鉄鉱脈が，北部の第４スカルン鉱体やアプライト及び花崗閃緑岩中に多く確認されたが，中央部の第３鉱体にはその産出は稀である。

(8) 岩脈の種類は北部ではアプライトが多く，中部ではランプロファイアーが卓越する。

(9) ランプロファイアー岩脈は，第３スカルン鉱体の周辺部に特に高密度に発達する。アルティン・ジルガ沢周辺に分布するランプロファイアーはスカルン化作用を被り，二次酸化銅鉱を鉱染状に伴い，一部の岩脈に金鉱化(1.3-5.0g/t)が認められる。

(10) 花崗閃緑岩とランプロファイアーのホルンブレンドの放射年代は，それぞれ282±14Ma，299±15Maを示し，両年代とも石炭紀末期～二畳紀最前期に相当する。ランプロファイアーは花崗閃緑岩と一連の火成活動であり，またスカルン鉱体はランプロファイアーに貫かれることから，スカルンの生成時期は，石炭紀末期～二畳紀初期と推定される。

(11) 中央部の第３スカルン鉱体では金鉱化は強く，全体として北に向かって劣勢になる傾向がある。北部と中央部の鉱化作用を比べると，北部は珪化作用が強く，硫砒鉄鉱に富み，流体包有物の均質化温度が低いなど，鉱化末端部の特徴を有しているとみられる。

(12) ランプロファイアー岩脈，NE-SW系断裂は金鉱化作用に強く関連していると考えられる。第３スカルン鉱体の南南東に，顕著な金の地化学異常が認められ，鉱化の中心部に当たるのではないかと推定される。

(13) 1930mLの下向きボーリング(SKB-13孔)により，第3スカルン鉱体下部に高品位部が確認されている。高品位部の位置は1930mLから60m下方(1870mL)である。ここでの規模・品位は，水平幅約13m，平均金品位25.7g/tを示している。この高品位部を切る石英脈中の流体包有物の均質化温度の平均値は140℃を，単斜輝石スカルンに伴う方解石中の均質化温度は151℃を示し，金富鉱部の温度としては低い温度である。本年度の調査では均質化温度の測定個数が多くないため断定はできないが，スカルンの構造分布と均質化温度から判断すると，1870mLの高品位部は更に下方へ延長し，その深部に高品位部が賦存する可能性がある。

(14) 西部の地表には硫化鉱物を伴う輝石スカルン帯（第8・第9スカルン鉱体）が，30m×200mの範囲で広く発達し，最高 Au 10g/t の品位が得られた。

5－3 カラカズィク地区

(1) 左岸鉱床は苦灰質大理石と方解石質大理石との境界部の層間破砕帯に形成された含金・銅スカルン鉱床である。また，カラカズィク鉱床は花崗閃緑岩と大理石との接触部，あるいは破砕構造に伴う交代岩中に胚胎した含金・銅スカルン鉱床である。

(2) 地表で確認されたスカルン型鉱化帯の広がりは，大きいもので20m-40mであるが，高品位部は小規模である。

(3) 高品位部はスポット状に散在しており，現時点では開発可能な鉱床に発展する可能性は小さいと判断される。

第２章　第２年次調査への提言

本年度の地質精査，ボーリング調査の結果，開発対象となりうる鉱床はアルティン・ジルガ鉱床第３スカルン鉱体であり，その深部に高品位部が賦存する可能性が大きいと判断された。

第３スカルン鉱体のポテンシャルを明確にし，鉱量の大幅増など開発に結びつく成果を目指す調査を実施することが望ましい。具体的な調査方法としては，1930mLで確認されている第３スカルン鉱体の1850mL及びそれ以深の鉱況を確認するため，1850mLに坑道を開削し，既往ボーリング(SKB-13孔)により捕捉された高品位部の鉱況を直接確認するとともに，1850mL坑内から水平及び下向きボーリング調査を実施することが望ましい。

またアルティン・ジルガ鉱床全体の鉱化メカニズムを把握するため，鉱化帯の中心部と推定される第５・第１・第２鉱体の下方延長部に対し，1850mLでの坑道調査を延長し，坑内水平ボーリング調査を実施することが望ましい。

そのほか，アルティン・ジルガ鉱床の探鉱余地として，MJKA-10孔と1930mL坑道の間の鉱化状況を確認するための地表ボーリング調査，1930mLの鉱床範囲を確定するための水平ショート・ボーリング調査が望ましい。

さらに，広域的な地質構造から判断して，アルティン・ジルガ鉱床と類似の鉱床胚胎条件下にあると考えられるアウグル，ガビアンなどの鉱徴地について，鉱床形成場の把握と鉱床ポテンシャル評価のために，地質・鉱床に関する情報収集と地質概査を実施することが望ましい。

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APPENDICES

LIST OF APPENDIXES

Appendix 1

Result of Laboratory Works

Appendix 1-1

Sample List of Geological Survey

Apx. 1-1 Sample List of Geological Survey (1)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work						Remarks
		District	Place	Width (m)		T	P	C	X	D	F	
1	7M0001	Altyn-Jylga	Trench K-3A	1.5	Pyroxene skarn			○				
2	7M0002	Altyn-Jylga	Trench K-3A	1.0	Pyroxene skarn	○	○	○				
3	7M0004	Altyn-Jylga	Transporting road	1.0	Amphibolite			○				
4	7M0005	Altyn-Jylga	Trench K-3	1.0	Lamprophyre	○		○				
5	7M0006	Altyn-Jylga	Trench K-3	1.0	Silicified skarn	○		○				
6	7M0007	Altyn-Jylga	Trench K-1A	0.1	White clay vein				○			
7	7M0008	Altyn-Jylga	Trench K-1A	1.0	Pyroxene-garnet skarn	○	○	○				
8	7M0009	Altyn-Jylga	Trench K-1A	1.0	Pyroxene skarn	○		○				
9	7M0010	Altyn-Jylga	Trench K-1A	0.1	Clay vein				○			
10	7M0011	Altyn-Jylga	Trench K-1A	1.0	Pyroxene-garnet skarn	○		○				
11	7M0012	Altyn-Jylga	Near Trench K-1A	0.1	Wollastonite skarn	○						
12	7M0013	Altyn-Jylga	Near Trench K-1A	0.1	Skarnized gabbro	○						
13	7M0014	Altyn-Jylga	Western part	0.1	Serpentinized pyroxene skarn	○						In marble
14	7M0016	Altyn-Jylga	West. Trench K-42	0.1	Serpentinite with malachite			○				
15	7M0018	Altyn-Jylga	West. Trench K-42	0.1	Pyroxene skarn with malachite			○				Limonitizated
16	7M0019	Altyn-Jylga	West. Trench K-42	0.1	Serpentinized pyroxene skarn			○				
17	7M0020	Altyn-Jylga	Near MJKA-8	0.3	Malachite-limonite vein		○	○				
18	7M0021	Altyn-Jylga	Trench K-35	1.0	Pyroxene skarn			○				
19	7M0022	Altyn-Jylga	Trench K-37	1.0	Pyroxene skarn			○				
20	7M0023	Altyn-Jylga	Trench K-33	1.0	Serpentinized pyroxene skarn			○				
21	7M0025	Altyn-Jylga	West. Trench K-64	1.0	Altered granodiorite			○				
22	7N0001	Altyn-Jylga	Trench K-5A	0.3	Proxene skarn	○		○				
23	7N0002	Altyn-Jylga	Trench K-5A	0.3	Yollowish brown clay			○	○			
24	7N0003	Altyn-Jylga	Trench K-5A	0.5	Proxene skarn			○				
25	7N0004	Altyn-Jylga	Trench K-5A	0.2	Yollowish brown clay				○			

T: Thin section, P: Polished section, C: Chemical assay analysis, X: X-ray diffraction analysis

D: Dating, F: Homogenization temperature of fluid inclusion

Apx. 1-1 Sample List of Geological Survey (2)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work						Remarks
		District	Place	Width (m)		T	P	C	X	D	F	
26	7N0005	Altyn-Jylga	Trench K-5A	0.1	Lamprophyre	○						
27	7N0006	Altyn-Jylga	Trench K-19A	1.0	Proxene skarn			○				
28	7N0007	Altyn-Jylga	Trench K-19A	1.0	Pyroxene skarn			○				
29	7N0008	Altyn-Jylga	Trench K-18A	1.0	Yellowish brown clay			○	○			
30	7N0009	Altyn-Jylga	Trench K-17A	0.5	Yellowish brown clay			○	○			
31	7N0010	Altyn-Jylga	Trench K-17A	1.0	Silicified skarn		○	○				
32	7N0011	Altyn-Jylga	Trench K-17A	1.0	Silicified skarn			○				
33	7N0012	Altyn-Jylga	Trench K-18A	1.0	Silicified skarn			○				
34	7N0013	Altyn-Jylga	Trench K-18A	1.0	Silicified skarn			○				
35	7N0014	Altyn-Jylga	Trench K-18A	0.1	Lamprophyre	○						
36	7N0015	Altyn-Jylga	Trench K-26A	0.15	Yellowish brown zone			○				
37	7N0016	Altyn-Jylga	Trench K-26A	0.3	Yellowish brown zone			○				
38	7N0017	Altyn-Jylga	Trench K-3A	0.4	Silicified skarn			○				
39	7N0019	Altyn-Jylga	Trench K-8	0.1	Yellowish brown zone			○				
40	7N0020	Altyn-Jylga	Trench K-8	0.5	Silicified skarn			○				
41	7N0021	Altyn-Jylga	Trench K-23A	1.0	Yellowish brown zone			○				
42	7N0022	Altyn-Jylga	Trench K-23A	1.0	Yellowish brown zone			○	○			
43	7N0023	Altyn-Jylga	Trench K-23A	1.0	Yellowish brown zone			○				
44	7N0024	Altyn-Jylga	Trench K-23A	1.0	Proxene skarn			○				
45	7N0025	Altyn-Jylga	Trench K-5A	1.0	Proxene skarn			○				
46	7N0026	Altyn-Jylga	Trench K-5A	1.0	Proxene skarn			○				
47	7N0027	Altyn-Jylga	1930mL Adit	0.3	Limonite gossan			○				
48	7N0028	Altyn-Jylga	1930mL Adit	1.1	Pyroxene skarn			○				
49	7N0029	Altyn-Jylga	1930mL Adit	0.5	Pyroxene skarn			○				
50	7N0031	Altyn-Jylga	1930mL Adit	1.0	Pyroxene skarn			○				

T: Thin section, P: Polished section, C: Chemical assay analysis, X: X-ray diffraction analysis

D: Dating, F: Homogenization temperature of fluid inclusion

Apx. 1-1 Sample List (3)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work						Remarks
		District	Place	Width (m)		T	P	C	X	D	F	
51	7N0032	Altyn-Jylga	1930mL Adit	0.4	Sheared zone			○				
52	7N0033	Altyn-Jylga	1930mL Adit	1.0	Pyroxene skarn			○				
53	7N0034	Altyn-Jylga	1930mL Adit	0.4	Sheared zone			○				
54	7N0035	Altyn-Jylga	1930mL Adit	0.5	Silicified skarn			○				
55	7N0036	Altyn-Jylga	1930mL Adit	0.2	Fissure with quartz vein			○	○		○	
56	7N0037	Altyn-Jylga	1930mL Adit	0.5	Silicified skarn			○				
57	7N0038	Altyn-Jylga	1930mL Adit	0.25	Sheared zone			○				
58	7N0039	Altyn-Jylga	1930mL Adit	0.3	Lamprophyre			○				
59	7N0040	Altyn-Jylga	1930mL Adit	0.7	Lamprophyre	○		○				
60	7N0041	Altyn-Jylga	1930mL Adit	0.3	Lamprophyre			○				
61	7N0042	Altyn-Jylga	1930mL Adit	0.2	Sheared zone			○				
62	7N0043	Altyn-Jylga	1930mL Adit	0.5	Silicified skarn			○				
63	7N0044	Altyn-Jylga	1930mL Adit	0.3	Sheared zone			○				
64	7N0045	Altyn-Jylga	1930mL Adit	0.6	Silicified shear			○				
65	7N0046	Altyn-Jylga	1930mL Adit	0.3	Sheared zone			○				
66	7N0047	Altyn-Jylga	1930mL Adit	0.5	Silicified skarn			○				
67	7N0048	Altyn-Jylga	1930mL Adit	0.3	Sheared zone			○				
68	7N0049	Altyn-Jylga	1930mL Adit	0.5	Silicified skarn			○				
69	7N0050	Altyn-Jylga	1930mL Adit	0.2	Sheared zone			○	○			
70	7N0051	Altyn-Jylga	1930mL Adit	0.5	Sheared zone			○				
71	7N0052	Altyn-Jylga	1930mL Adit	0.6	Sheared zone			○	○			
72	7N0054	Altyn-Jylga	1930mL Adit	0.2	Sheared zone			○				
73	7N0056	Altyn-Jylga	1930mL Adit	0.5	Pyroxene skarn			○				
74	7N0057	Altyn-Jylga	1930mL Adit	0.3	Sheared zone with clay			○				
75	7N0058	Altyn-Jylga	1930mL Adit	0.5	Pyroxene skarn			○				

T: Thin section, P: Polished section, C: Chemical assay analysis, X: X-ray diffraction analysis

D: Dating, F: Homogenization temperature of fluid inclusion

Apx. 1-1 Sample List of Geological Survey (4)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work						Remarks
		District	Place	Width (m)		T	P	C	X	D	F	
76	7N0060	Altyn-Jylga	1930mL Adit	0.3	Sheared zone			○				
77	7N0061	Altyn-Jylga	1930mL Adit	0.5	Pyroxene skarn			○				
78	7N0062	Altyn-Jylga	1930mL Adit	1.0	Pyroxene skarn			○				
79	7N0063	Altyn-Jylga	1930mL Adit	0.5	Pyroxene skarn			○				
80	7N0064	Altyn-Jylga	1930mL Adit	0.5	Limonite druse			○				
81	7N0065	Altyn-Jylga	1930mL Adit	0.5	Pyroxene skarn			○				
82	7N0066	Altyn-Jylga	Transporting road	0.1	Fissure with clay			○				
83	7N0067	Altyn-Jylga	Transporting road	0.3	Fissure with clay			○				
84	7N0068	Altyn-Jylga	Transporting road	0.8	Pyroxene skarn			○				
85	7N0069	Altyn-Jylga	Transporting road	1.0	Silicified skarn			○				
86	7N0070	Altyn-Jylga	Transporting road	0.3	Sheared zone with green copper			○				
87	7N0071	Altyn-Jylga	Transporting road	0.1	Limonite along fissure			○				
88	7N0072	Altyn-Jylga	Transporting road	0.1	Lamprophyre	○						
89	7N0073	Altyn-Jylga	Transporting road	0.1	Olivine hornblendite	○						
90	7N0074	Altyn-Jylga	Adit	0.1	Pyroxene skarn with py and cp		○					
91	7N0075	Altyn-Jylga	Adit	0.1	Calcite vein						○	In px-garnet skarn
92	7N0076	Altyn-Jylga	Adit	0.1	Pyroxene garnet skarn	○						
93	7T0002	Altyn-Jylga	Trench K-25A	0.1	Lamprophyre	○						Dyke
94	7T0003	Altyn-Jylga	Trench K-25A	0.5	Silicified marble		○	○			○	
95	7T0004	Altyn-Jylga	Trench K-23A	0.1	Calcite in pyroxene skarn						○	
96	7T0005	Altyn-Jylga	Trench K-29A	0.1	Lamprophyre	○						
97	7T0007	Altyn-Jylga	Trench K-38A	0.7	Pyroxene skarn		○	○			○	Cp.py imp.
98	7T0008	Altyn-Jylga	Entrance of adit	1.0	Granodiorite	○		○		○		
99	7T0009	Altyn-Jylga	Trench K-91	1.0	Skarnized gabbro	○		○		○		
100	7T0010	Altyn-Jylga	Trench K-91	1.0	Pyroxene skarn	○		○				

T: Thin section, P: Polished section, C: Chemical assay analysis, X: X-ray diffraction analysis

D: Dating, F: Homogenization temperature of fluid inclusion

Apx. 1-1 Sample List of Geological Survey (5)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work						Remarks
		District	Place	Width (m)		T	P	C	X	D	F	
101	7T0011	Altyn-Jylga	Upper part of adit	1.0	Silicified skarn	○		○				2m from granodiorite
102	7T0013	Altyn-Jylga	South ridge of camp	0.5	Calcite vein in px-skarn			○				
103	7T0015	Altyn-Jylga	Trench on south ridge	1.0	Pyroxene skarn			○				Azurite, cc imp.
104	7T0017	Altyn-Jylga	Trench on south ridge	0.1	Olivine pyroxenite	○						
105	7T0019	Altyn-Jylga	West. Trench K-23	1.0	Pyroxene skarn with green copper		○	○				
106	7T0020	Altyn-Jylga	West. Trench K-23	1.0	Sheared zone			○				Limonite, clay
107	7T0021	Altyn-Jylga	West. Trench K-23	1.0	Pyroxene skarn with green copper		○	○				
108	7T0022	Altyn-Jylga	W. Trench K-23 upper	0.5	Sheared zone with limonite, clay			○	○			
109	7T0023	Altyn-Jylga	Western trench of K-23	1.0	Pyroxene skarn with green copper			○				
110	7T0025	Altyn-Jylga	Western trench of K-23	0.1	Weathered marble				○			
111	7T0026	Altyn-Jylga	West. Trench K-65	2.0	Limonitizated sheared zone			○				In marble
112	7T0027	Altyn-Jylga	West. Trench K-62	1.0	Limonitizated sheared zone			○				In silicified marble
113	7T0028	Altyn-Jylga	South. Trench K-11	2.0	Lamprophyre			○				
114	7T0029	Altyn-Jylga	South. Trench K-11	2.0	Skarnized lamprophyre		○	○			○	Cp, py, green copper
115	7T0030	Altyn-Jylga	South. Trench K-11	2.0	Skarnized lamprophyre			○				Green copper
116	7T0031	Altyn-Jylga	South. Trench K-6	0.5	Lamprophyre			○				Green copper of 20cm
117	7T0032	Altyn-Jylga	Southern part	0.8	Lamprophyre			○				Green coper
118	7T0033	Altyn-Jylga	Southern part	2.0	Pyroxene skarn			○				Malachite imp.
119	7T0034	Altyn-Jylga	South. Trench K-36	2.0	Pyroxene skarn			○				
120	7T0035	Altyn-Jylga	West. Trench K-63	0.4	Limonite gossan			○				
121	7M0026	Karakazyk	Karakazyk No.2 ore zone	0.1	Calcite vein						○	
122	7M0027	Karakazyk	Karakazyk No.2 ore zone	0.1	Shear with clay				○			Mmarble/hornfels
123	7M0028	Karakazyk	Karakazyk No.2 ore zone	0.1	Pyroxene garnet skarn	○	○					Float, py cp imp.
124	7M0029	Karakazyk	Karakazyk No.1 ore zone	3.1	Garnet pyroxene skarn	○	○	○				
125	7M0030	Karakazyk	Karakazyk No.1 ore zone	0.1	Granodiorite	○				○		

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D: Dating, F: Homogenization temperature of fluid inclusion

Apx. 1-1 Sample List of Geological survey (6)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work						Remarks
		District	Place	Width (m)		T	P	C	X	D	F	
126	7M0031	Karakazyk	Karakazyk No.1 ore zone	0.1	Quartz rich zone						○	With cp, malachite
127	7M0032	Karakazyk	Karakazyk No.2 ore zone	0.2	Pyroxene skarn with sulfide			○				Float
128	7M0033	Karakazyk	Karakazyk No.3 ore zone	0.2	Pyroxene skarn with sulfide		○	○				Flost
129	7M0034	Karakazyk	Karakazyk No.3 ore zone	0.1	Calcite veinlet				○			In silicified hornfels
130	7M0035	Karakazyk	Karakazyk No.4 ore zone	2.0	Skarnized ore			○				Marble origin ?
131	7M0038	Karakazyk	West to Left bank	2.0	Pyroxene skarn			○				
132	7M0039	Karakazyk	West to Left bank	2.0	Garnet pyroxene skarn		○	○				Malachite, pyrite rich
133	7M0040	Karakazyk	West to Left bank	2.0	Pyroxene skarn			○				
134	7M0044	Karakazyk	West to Karakazyk	2.0	Garnet pyroxene skarn			○				
135	7M0046	Karakazyk	West to Karakazyk	1.0	Pyroxene skarn			○				
136	7M0047	Karakazyk	Karakazyk No.1 ore zone	4.0	Garnet pyroxene skarn			○				
137	7M0048	Karakazyk	Karakazyk No.1 ore zone	3.0	Wollastonite skarn			○				
138	7N0077	Karakazyk	Left bank deposit	0.8	Skarnized rock	○	○	○				Pyrite, malachite
139	7N0078	Karakazyk	Left bank deposit	1.0	Granite	○	○	○				Pyrite, cp, malachite
140	7N0079	Karakazyk	Left bank deposit	0.1	Meta-andesite	○						
141	7N0080	Karakazyk	Left bank deposit	0.2	Garnet skarn			○				
142	7N0081	Karakazyk	Left bank deposit	0.1	Fissure zone			○				Foot wall in pit 3520m
143	7N0082	Karakazyk	Left bank deposit	1.2	Skarnized rock		○	○				
144	7N084	Karakazyk	Left bank deposit	1.0	Skarnized rock		○	○				
145	7N0085	Karakazyk	Left bank deposit	1.0	Skarnized rock			○				
146	7N0086	Karakazyk	West ofLeft bank	0.5	Clay along calcite				○			
146	7N0087	Karakazyk	West ofLeft bank	0.2	Quartz vein						○	
148	7N0088	Karakazyk	Left bank deposit	1.0	Skarnized rock			○	○		○	
149	7T0036	Karakazyk	Left bank deposit	0.2	Granodiorite	○				○		
150	7T0037	Karakazyk	East to Karakazyk	0.2	Schistose meta-andesite	○						

T: Thin section, P: Polished section, C: Chemical assay analysis, X: X-ray diffraction analysis

D: Dating, F: Homogenization temperature of fluid inclusion

Apx. 1-1 Sample List of Geological Survey (7)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work						Remarks
		District	Place	Width (m)		T	P	C	X	D	F	
151	7T0039	Karakazyk	East to Karakazyk	0.1	Meta-andesite	○						
152	7T0041	Karakazyk	East to Karakazyk	0.1	Schistose meta-andesite	○						
153	7T0042	Karakazyk	East to Karakazyk	0.1	Clay vein				○			
154	7T0043	Karakazyk	East to Karakazyk	1.0	Pyroxene skarn			○			○	Calcite vein, cp, py
155	7T0044	Karakazyk	East to Karakazyk	1.0	Proxene skarn		○	○			○	
156	7T0045	Karakazyk	East to Karakazyk	0.1	Proxene skarn		○					

T: Thin section, P: Polished section, C: Chemical assay analysis, X: X-ray diffraction analysis

D: Dating, F: Homogenization temperature of fluid inclusion

Appendix. 1-2

Core Sample List

Apx. 1-2 Core Sample List (1)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
1	7A0001	MJKA-10	0～1.0	1.0	Silicified skarn			○			
2	7A0002	MJKA-10	1.0～2.0	1.0	Silicified skarn			○			
3	7A0003	MJKA-10	2.0～3.0	1.0	Silicified skarn			○			
4	7A0004	MJKA-10	3.0～4.0	1.0	Silicified skarn			○			
5	7A0005	MJKA-10	4.0～5.0	1.0	Silicified skarn			○			
6	7A0006	MJKA-10	5.0～6.0	1.0	Silicified skarn			○			
7	7A0007	MJKA-10	6.0～7.0	1.0	Silicified skarn			○			
8	7A0008	MJKA-10	7.0～8.0	1.0	Silicified skarn			○			
9	7A0009	MJKA-10	8.0～9.0	1.0	Granodiorite			○			
10	7A0010	MJKA-10	13.5～14.4	0.9	Granodiorite			○			
11	7A0011	MJKA-10	14.4～15.5	1.1	Pyroxene skarn			○			
12	7A0012	MJKA-10	15.5～16.5	1.0	Silicified skarn			○			
13	7A0013	MJKA-10	16.5～17.5	1.0	Silicified skarn			○			
14	7A0014	MJKA-10	17.5～18.3	0.8	Silicified skarn			○			
15	7A0015	MJKA-10	18.3～19.0	0.7	Pyroxene skarn			○			
16	7A0016	MJKA-10	19.0～20.0	1.0	Silicified skarn			○			
17	7A0017	MJKA-10	20.0～21.0	1.0	Pyroxene skarn with cal-py vein		○	○			20.8m(P)
18	7A0018	MJKA-10	21.0～22.0	1.0	Pyroxene skarn with calcite vein			○		○	21.4m(F)
19	7A0019	MJKA-10	22.0～23.0	1.0	Pyroxene skarn			○			
20	7A0020	MJKA-10	23.0～24.0	1.0	Pyroxene skarn	○		○			23.3m(T))
21	7A0021	MJKA-10	24.0～25.0	1.0	Pyroxene skarn			○			
22	7A0022	MJKA-10	25.0～26.0	1.0	Pyroxene skarn with py imp.		○	○			25.6m(P)
23	7A0023	MJKA-10	26.0～27.0	1.0	Pyroxene skarn			○			
24	7A0024	MJKA-10	27.0～28.0	1.0	Pyroxene skarn			○			
25	7A0025	MJKA-10	28.0～29.0	1.0	Pyroxene skarn			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (2)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
26	7A0026	MJKA-10	29.0～30.0	1.0	Pyroxene skarn			○			
27	7A0027	MJKA-10	30.0～31.0	1.0	Pyroxene skarn			○			
28	7A0028	MJKA-10	31.0～32.0	1.0	Pyroxene skarn			○			
29	7A0029	MJKA-10	32.0～33.0	1.0	Pyroxene skarn			○			
30	7A0030	MJKA-10	33.0～34.0	1.0	Pyroxene skarn			○			
31	7A0031	MJKA-10	34.0～35.0	1.0	Pyroxene skarn			○			
32	7A0032	MJKA-10	35.0～36.0	1.0	Pyroxene skarn			○			
33	7A0033	MJKA-10	36.0～36.5	0.5	Pyroxene skarn			○			
34	7A0034	MJKA-10	36.5～37.5	1.0	Wollastonite skarn			○			
35	7A0035	MJKA-8	0～1.0	1.0	Silicified skarn			○			
36	7A0036	MJKA-8	1.0～2.0	1.0	Silicified skarn			○			
37	7A0037	MJKA-8	2.0～3.0	1.0	Silicified skarn			○			
38	7A0038	MJKA-8	3.0～4.0	1.0	Silicified skarn			○			
39	7A0039	MJKA-8	4.0～4.5	0.5	Epidote skarn with arsenopyrite vein		○	○			4.5m(P)
40	7A0040	MJKA-8	4.5～5.1	0.6	Marble			○			
41	7A0041	MJKA-8	5.1～6.3	1.2	Silicified skarn with pyrite veinlets		○	○			5.8m(P)
42	7A0042	MJKA-8	6.3～7.3	1.0	Marble			○			
43	7A0043	MJKA-8	7.3～8.3	1.0	Marble			○			
44	7A0044	MJKA-8	8.3～9.2	0.9	Marble			○			
45	7A0045	MJKA-8	9.2～10.2	1.0	Silicified skarn			○			
46	7A0046	MJKA-8	10.2～11.2	1.0	Silicified skarn			○			
47	7A0047	MJKA-8	11.2～12.2	1.0	Silicified skarn			○			
48	7A0048	MJKA-8	12.2～12.8	0.6	Silicified skarn			○			
49	7A0049	MJKA-8	12.8～13.6	0.8	Diorite porphyry			○			
50	7A0050	MJKA-8	13.6～14.6	1.0	Silicified skarn			○			

T: Thin section, P: Polished section, C: Chemical assay analysis.

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (3)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
51	7A0051	MJKA-8	14.6～15.2	0.6	Epidote pyroxene skarn			○			
52	7A0052	MJKA-8	15.2～16.2	1.0	Silicified skarn			○			
53	7A0053	MJKA-8	16.2～17.2	1.0	Silicified skarn			○			
54	7A0054	MJKA-8	17.2～18.9	1.7	Silicified skarn			○			
55	7A0055	MJKA-8	18.9～20.0	1.1	Skarnized lamprophyre	○		○			19.8m(T)
56	7A0056	MJKA-8	20.0～21.2	1.2	Silicified skarn			○			
57	7A0057	MJKA-8	21.2～22.2	1.0	Pyroxene skarn	○		○			21.8m(T)
58	7A0058	MJKA-8	22.2～22.9	0.7	Pyroxene skarn			○			
59	7A0059	MJKA-8	22.9～23.9	1.0	Silicified skarn			○			
60	7A0060	MJKA-8	23.9～24.9	1.0	Silicified skarn			○			
61	7A0061	MJKA-8	24.9～25.9	1.0	Silicified skarn	○		○			25.0m(T)
62	7A0062	MJKA-8	25.9～26.9	1.0	Silicified skarn			○			
63	7A0063	MJKA-8	26.9～27.9	1.0	Silicified skarn			○			
64	7A0064	MJKA-8	27.9～28.9	1.0	Silicified skarn			○			
65	7A0065	MJKA-8	28.9～29.5	0.6	Silicified skarn			○			
66	7A0066	MJKA-8	29.5～30.2	0.7	Granodiorite porphyry	○		○			29.8m(T)
67	7A0067	MJKA-8	30.2～31.2	1.0	Silicified skarn			○			
68	7A0068	MJKA-8	31.2～32.2	1.0	Silicified skarn			○			
69	7A0069	MJKA-8	32.2～33.2	1.0	Silicified skarn			○			
70	7A0070	MJKA-8	33.2～34.2	1.0	Silicified skarn			○			
71	7A0071	MJKA-8	34.2～35.2	1.0	Silicified skarn			○			
72	7A0072	MJKA-8	35.2～36.2	1.0	Silicified skarn			○			
73	7A0073	MJKA-8	36.2～37.2	1.0	Silicified skarn			○			
74	7A0074	MJKA-8	37.2～38.2	1.0	Silicified skarn			○			
75	7A0075	MJKA-8	38.2～39.2	1.0	Silicified skarn			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (4)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
76	7A0076	MJKA-8	39.2～40.2	1.0	Silicified skarn			○			
77	7A0077	MJKA-8	40.2～41.2	1.0	Silicified skarn			○			
78	7A0078	MJKA-8	41.2～42.3	1.1	Silicified skarn			○			
79	7A0079	MJKA-8	42.3～43.3	1.0	Altered skarnized andesite			○			
80	7A0080	MJKA-8	43.3～44.3	1.0	Altered skarnized andesite			○			
81	7A0081	MJKA-8	44.3～45.3	1.0	Altered skarnized andesite	○		○			44.4m(T)
82	7A0082	MJKA-8	45.3～46.3	1.0	Silicified skarn			○			
83	7A0083	MJKA-8	46.3～47.3	1.0	Silicified skarn			○			
84	7A0084	MJKA-8	47.3～48.3	1.0	Silicified skarn			○			
85	7A0085	MJKA-8	48.3～49.3	1.0	Silicified skarn			○			
86	7A0086	MJKA-8	49.3～49.9	0.6	Silicified skarn			○			
87	7A0087	MJKA-8	49.9～51.2	1.3	Silicified skarn			○			
88	7A0088	MJKA-8	51.2～52.2	1.0	Pyroxene skarn with malachite vein		○	○			52.5m(P)
89	7A0089	MJKA-8	52.2～53.4	1.2	Pyroxene skarn			○			
90	7A0090	MJKA-8	53.4～54.4	1.0	Silicified skarn			○			
91	7A0091	MJKA-8	54.4～55.4	1.0	Silicified skarn			○			
92	7A0092	MJKA-8	55.4～56.4	1.0	Silicified skarn			○			
93	7A0093	MJKA-8	56.4～57.4	1.0	Silicified skarn			○			
94	7A0094	MJKA-8	57.4～58.4	1.0	Silicified skarn			○			
95	7A0095	MJKA-8	58.4～59.4	1.0	Silicified skarn			○			
96	7A0096	MJKA-8	59.4～60.4	1.0	Silicified skarn			○			
97	7A0097	MJKA-8	60.4～61.4	1.0	Silicified skarn			○			
98	7A0098	MJKA-8	61.4～62.4	1.0	Silicified skarn			○			
99	7A0099	MJKA-8	62.4～63.4	1.0	Silicified skarn			○			
100	7A0100	MJKA-8	63.4～64.4	1.0	Silicified skarn			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (5)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
101	7A0101	MJKA-8	64.4～65.4	1.0	Silicified skarn			○			
102	7A0102	MJKA-8	65.4～66.7	1.3	Silicified skarn			○			
103	7A0103	MJKA-8	66.7～67.8	1.0	Silicified marble			○			
104	7A0104	MJKA-8	67.8～68.8	1.0	Silicified skarn			○			
105	7A0105	MJKA-8	68.8～69.8	1.0	Silicified skarn			○			
106	7A0106	MJKA-8	69.8～70.8	1.0	Silicified skarn			○			
107	7A0107	MJKA-8	70.8～71.8	1.0	Silicified skarn			○			
108	7A0108	MJKA-8	71.8～72.8	1.0	Silicified skarn			○			
109	7A0109	MJKA-8	72.8～73.8	1.0	Silicified skarn			○			
110	7A0110	MJKA-8	73.8～74.8	1.0	Silicified skarn			○			
111	7A0111	MJKA-8	74.8～75.8	1.0	Silicified skarn			○			
112	7A0112	MJKA-8	75.8～76.8	1.0	Weak silicified marble			○			
113	7A0113	MJKA-8	76.8～77.8	1.0	Weak silicified marble			○			
114	7A0114	MJKA-8	77.8～78.8	1.0	Weak silicified marble			○			
115	7A0115	MJKA-8	78.8～79.8	1.0	Weak silicified marble			○			
116	7A0116	MJKA-8	79.8～80.8	1.0	Weak silicified marble			○			
117	7A0117	MJKA-8	80.8～81.8	1.0	Weak silicified marble			○			
118	7A0118	MJKA-8	81.8～82.8	1.0	Weak silicified marble			○			
119	7A0119	MJKA-8	82.8～83.6	0.8	Weak silicified marble			○			
120	7A0120	MJKA-8	83.6～84.3	0.7	Shear with clay			○	○		84.2m(X)
121	7A0121	MJKA-8	84.3～85.3	1.0	Weak silicified marble			○			
122	7A0122	MJKA-8	85.3～86.3	1.0	Weak silicified marble			○			
123	7A0123	MJKA-8	86.3～87.3	1.0	Weak silicified marble			○			
124	7A0124	MJKA-8	87.3～88.3	1.0	Weak silicified marble			○			
125	7A0125	MJKA-8	88.3～89.3	1.0	Weak silicified marble			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (6)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
126	7A0126	MJKA-8	89.3～90.3	1.0	Weak silicified marble			○			
127	7A0127	MJKA-8	90.3～91.3	1.0	Weak silicified marble			○			
128	7A0128	MJKA-8	91.3～92.3	1.0	Weak silicified marble			○			
129	7A0129	MJKA-8	92.3～93.3	1.0	Weak silicified marble			○			
130	7A0130	MJKA-8	93.3～94.3	1.0	Weak silicified marble			○			
131	7A0131	MJKA-8	94.3～95.3	1.0	Weak silicified marble			○			
132	7A0132	MJKA-8	95.3～96.3	1.0	Weak silicified marble			○			
133	7A0133	MJKA-8	96.3～97.3	1.0	Weak silicified marble			○			
134	7A0134	MJKA-8	97.3～98.3	1.0	Weak silicified marble			○			
135	7A0135	MJKA-8	98.3～99.3	1.0	Weak silicified marble			○			
136	7A0136	MJKA-8	99.3～100.3	1.0	Weak silicified marble with quartz v			○		○	99.5m(F)
137	7A0137	MJKA-8	100.3～101.1	0.8	Weak silicified marble			○			
138	7A0138	MJKA-10	37.5～38.5	1.0	Wollastonite skarn			○			
139	7A0139	MJKA-10	38.5～39.5	1.0	Wollastonite skarn			○			
140	7A0140	MJKA-10	39.5～40.5	1.0	Wollastonite skarn			○			
141	7A0141	MJKA-10	40.5～41.5	1.0	Wollastonite skarn			○			
142	7A0142	MJKA-10	41.5～42.5	1.0	Wollastonite skarn	○		○			41.7m(T)
143	7A0143	MJKA-10	42.5～43.5	1.0	Wollastonite skarn			○			
144	7A0144	MJKA-10	43.5～44.1	0.6	Wollastonite skarn			○			
145	7A0145	MJKA-10	44.1～45.1	1.0	Pyroxene skarn			○			
146	7A0146	MJKA-10	45.1～46.15	1.05	Pyroxene skarn			○			
147	7A0147	MJKA-10	46.15～47.15	1.0	Silicified skarn			○			
148	7A0148	MJKA-10	47.15～48.15	1.0	Silicified skarn			○			
149	7A0149	MJKA-10	48.15～49.15	1.0	Silicified skarn			○			
150	7A0150	MJKA-10	49.15～50.15	1.0	Wollastonite skarn			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (7)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
151	7A0151	MJKA-10	50.15～51.15	1.0	Silicified skarn			○			
152	7A0152	MJKA-10	51.15～52.15	1.0	Silicified skarn			○			
153	7A0153	MJKA-10	52.15～53.5	1.35	Silicified skarn			○			
154	7A0154	MJKA-10	53.5～55.0	1.5	Pyroxene wollastonite skarn			○			
155	7A0155	MJKA-10	55.0～56.0	1.0	Pyroxene wollastonite skarn			○			
156	7A0156	MJKA-10	56.0～56.95	0.95	Pyroxene wollastonite skarn			○			
157	7A0157	MJKA-10	56.95～57.95	1.0	Pyroxene wollastonite skarn			○			
158	7A0158	MJKA-10	57.95～58.5	0.55	Silicified epidote skarn			○			
159	7A0159	MJKA-10	58.5～59.5	1.0	Pyroxene wollastonite skarn			○			
160	7A0160	MJKA-10	59.5～60.5	1.0	Pyroxene wollastonite skarn			○			
161	7A0161	MJKA-10	60.5～61.5	1.0	Pyroxene wollastonite skarn			○			
162	7A0162	MJKA-10	61.5～62.5	1.0	Pyroxene wollastonite skarn			○			
163	7A0163	MJKA-10	62.5～63.5	1.0	Silicified skarn			○			
164	7A0164	MJKA-10	63.5～64.5	1.0	Silicified skarn			○			
165	7A0165	MJKA-10	64.5～65.5	1.0	Silicified skarn			○			
166	7A0166	MJKA-10	65.5～66.5	1.0	Silicified skarn			○			
167	7A0167	MJKA-10	66.5～67.5	1.0	Silicified skarn			○			
168	7A0168	MJKA-10	67.5～68.4	0.9	Silicified skarn			○			
169	7A0169	MJKA-10	68.4～68.8	0.4	Epidote skarn			○			
170	7A0170	MJKA-10	68.8～69.8	1.0	Silicified skarn			○			
171	7A0171	MJKA-10	69.8～70.8	1.0	Silicified skarn			○			
172	7A0172	MJKA-10	70.8～71.8	1.0	Silicified skarn			○			
173	7A0173	MJKA-10	71.8～72.8	1.0	Silicified skarn			○			
174	7A0174	MJKA-10	72.8～73.5	0.7	Silicified skarn			○			
175	7A0175	MJKA-10	75.0～76.0	1.0	Silicified skarn			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (8)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
176	7A0176	MJKA-10	76.0～77.0	1.0	Silicified skarn			○			
177	7A0177	MJKA-10	77.0～78.0	1.0	Silicified skarn			○			
178	7A0178	MJKA-10	78.0～79.0	1.0	Silicified skarn			○			
179	7A0179	MJKA-10	79.0～80.0	1.0	Silicified skarn			○			
180	7A0180	MJKA-10	80.0～81.0	1.0	Silicified skarn			○			
181	7A0181	MJKA-10	81.0～82.0	1.0	Silicified skarn			○			
182	7A0182	MJKA-10	82.0～83.0	1.0	Silicified skarn			○			
183	7A0183	MJKA-10	83.0～84.0	1.0	Silicified skarn			○			
184	7A0184	MJKA-10	84.0～85.0	1.0	Silicified skarn			○			
185	7A0185	MJKA-10	85.0～86.0	1.0	Silicified skarn			○			
186	7A0186	MJKA-10	86.0～87.0	1.0	Silicified skarn			○			
187	7A0187	MJKA-10	87.0～88.0	1.0	Silicified skarn			○			
188	7A0188	MJKA-10	88.0～89.0	1.0	Silicified skarn			○			
189	7A0189	MJKA-10	89.0～89.8	0.8	Silicified skarn			○			
190	7A0190	MJKA-10	89.8～90.8	1.0	Weak silicified marble			○			
191	7A0191	MJKA-10	90.8～91.8	1.0	Weak silicified marble			○			
192	7A0192	MJKA-10	91.8～92.8	1.0	Weak silicified marble			○			
193	7A0193	MJKA-10	92.8～93.8	1.0	Weak silicified marble			○			
194	7A0194	MJKA-10	93.8～94.8	1.0	Weak silicified marble			○			
195	7A0195	MJKA-10	94.8～95.8	1.0	Weak silicified marble			○			
196	7A0196	MJKA-10	95.8～96.8	1.0	Weak silicified marble			○			
197	7A0197	MJKA-10	96.8～97.8	1.0	Weak silicified marble			○			
198	7A0198	MJKA-10	97.8～98.8	1.0	Weak silicified marble			○			
199	7A0199	MJKA-10	98.8～99.8	1.0	Weak silicified marble			○			
200	7A0200	MJKA-10	99.8～100.8	1.0	Weak silicified marble			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (9)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
201	7A0201	MJKA-10	100.8～101.8	1.0	Weak silicified marble			○			
202	7A0202	MJKA-10	101.8～102.8	1.0	Weak silicified marble			○			
203	7A0203	MJKA-10	102.8～103.8	1.0	Weak silicified marble			○			
204	7A0204	MJKA-10	103.8～104.8	1.0	Weak silicified marble			○			
205	7A0205	MJKA-10	104.8～105.8	1.0	Weak silicified marble			○			
206	7A0206	MJKA-10	105.8～106.8	1.0	Weak silicified marble			○			
207	7A0207	MJKA-10	106.8～107.8	1.0	Weak silicified marble			○			
208	7A0208	MJKA-10	107.8～108.8	1.0	Weak silicified marble			○			
209	7A0209	MJKA-10	108.8～109.8	1.0	Weak silicified marble			○			
210	7A0210	MJKA-10	109.8～110.8	1.0	Weak silicified marble			○			
211	7A0211	MJKA-10	110.8～111.9	1.0	Weak silicified marble			○			
212	7A0212	MJKA-9	4.9～5.9	1.0	Silicified skarn			○			
213	7A0213	MJKA-9	5.9～6.9	1.0	Silicified skarn			○			
214	7A0214	MJKA-9	6.9～7.9	1.0	Silicified skarn			○			
215	7A0215	MJKA-9	7.9～8.8	0.9	Silicified skarn			○			
216	7A0216	MJKA-9	8.8～10.0	1.2	Silicified skarn			○			
217	7A0217	MJKA-9	10.0～11.0	1.0	Silicified skarn			○			
218	7A0218	MJKA-9	11.0～12.0	1.0	Pyroxene skarn			○			
219	7A0219	MJKA-9	12.0～12.9	0.9	Pyroxene skarn			○			
220	7A0220	MJKA-9	12.9～13.9	0.7	Silicified skarn			○			
221	7A0221	MJKA-9	13.9～14.9	1.0	Silicified skarn			○			
222	7A0222	MJKA-9	14.9～15.9	1.0	Silicified skarn			○			
223	7A0223	MJKA-9	15.9～16.9	1.0	Silicified skarn			○			
224	7A0224	MJKA-9	16.9～17.9	1.0	Silicified skarn			○			
225	7A0225	MJKA-9	17.9～18.9	1.0	Silicified skarn			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (10)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
226	7A0226	MJKA-9	18.9～19.9	1.0	Silicified skarn			○			
227	7A0227	MJKA-9	19.9～20.9	1.0	Silicified skarn			○			
228	7A0228	MJKA-9	20.9～21.9	1.0	Silicified skarn	○		○			21.0m(T)
229	7A0229	MJKA-9	21.9～22.9	1.0	Silicified skarn			○			
230	7A0230	MJKA-9	22.9～23.9	1.0	Silicified skarn			○			
231	7A0231	MJKA-9	23.9～24.9	1.0	Silicified skarn			○			
232	7A0232	MJKA-9	24.9～25.9	1.0	Silicified skarn			○			
233	7A0233	MJKA-9	25.9～27.3	1.4	Silicified skarn			○			
234	7A0234	MJKA-9	27.3～28.3	1.0	Chloritizated granodiorite			○			
235	7A0235	MJKA-9	34.9～35.9	1.0	Chloritizated granodiorite			○			
236	7A0236	MJKA-9	35.9～36.9	1.0	Pyroxene skarn			○			
237	7A0237	MJKA-9	36.9～37.9	1.0	Silicified skarn			○			
238	7A0238	MJKA-9	37.9～38.9	1.0	Silicified skarn			○			
239	7A0239	MJKA-9	38.9～39.9	1.0	Silicified skarn			○			
240	7A0240	MJKA-9	39.9～40.9	1.0	Silicified skarn			○			
241	7A0241	MJKA-9	40.9～41.9	1.0	Silicified skarn			○			
242	7A0242	MJKA-9	41.9～42.9	1.0	Silicified skarn			○			
243	7A0243	MJKA-9	42.9～43.9	1.0	Silicified skarn			○			
244	7A0244	MJKA-9	43.9～44.9	1.0	Silicified skarn			○			
245	7A0245	MJKA-9	44.9～45.9	1.0	Silicified skarn			○			
246	7A0246	MJKA-9	45.9～46.9	1.0	Silicified skarn			○			
247	7A0247	MJKA-9	46.9～47.9	1.0	Silicified skarn			○			
248	7A0248	MJKA-9	47.9～48.9	1.0	Silicified skarn			○			
249	7A0249	MJKA-9	48.9～49.9	1.0	Silicified skarn			○			
250	7A0250	MJKA-9	49.9～50.9	1.0	Silicified skarn			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (11)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
251	7A0251	MJKA-9	50.9～51.6	0.7	Silicified skarn			○			
252	7A0252	MJKA-9	51.6～52.6	1.0	Silicified skarn			○			
253	7A0253	MJKA-9	52.6～54.0	1.4	Pyroxene wollastonite skarn			○			
254	7A0254	MJKA-9	54.0～55.0	1.0	Pyroxene skarn			○			
255	7A0255	MJKA-9	55.0～56.0	1.0	Pyroxene skarn			○			
256	7A0256	MJKA-9	56.0～57.0	1.0	Pyroxene skarn			○			
257	7A0257	MJKA-9	57.0～58.0	1.0	Pyroxene skarn			○			
258	7A0258	MJKA-9	58.0～59.0	1.0	Pyroxene skarn			○			
259	7A0259	MJKA-9	59.0～60.0	1.0	Pyroxene skarn with py-quartz v		○	○		○	60.0m(P, F)
260	7A0260	MJKA-9	60.0～61.0	1.0	Pyroxene skarn			○			
261	7A0261	MJKA-9	61.0～62.0	1.0	Pyroxene skarn			○			
262	7A0262	MJKA-9	62.0～63.0	1.0	Pyroxene skarn			○			
263	7A0263	MJKA-9	63.0～64.0	1.0	Pyroxene skarn			○			
264	7A0264	MJKA-9	64.0～65.0	1.0	Pyroxene skarn			○			
265	7A0265	MJKA-9	65.0～66.0	1.0	Pyroxene skarn			○			
266	7A0266	MJKA-9	66.0～67.0	1.0	Pyroxene skarn			○			
267	7A0267	MJKA-9	67.0～68.0	1.0	Pyroxene skarn			○			
268	7A0268	MJKA-9	68.0～69.0	1.0	Pyroxene skarn			○			
269	7A0269	MJKA-9	69.0～70.0	1.0	Pyroxene skarn			○			
270	7A0270	MJKA-9	70.0～71.4	1.4	Pyroxene skarn			○			
271	7A0271	MJKA-9	71.4～72.4	1.0	Limonitizated granodiorite			○			
272	7A0272	MJKA-9	72.4～73.4	1.0	Limonitizated granodiorite			○			
273	7A0273	MJKA-9	73.4～73.8	0.4	Pyroxene skarn			○			
274	7A0274	MJKA-9	74.0～75.0	1.0	Epidote skarn			○			
275	7A0275	MJKA-9	75.0～76.1	1.1	Lamprophyre			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (12)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
276	7A0276	MJKA-9	76.1～77.1	1.0	Epidote skarn			○			
277	7A0277	MJKA-9	77.1～78.1	1.0	Epidote skarn			○			
278	7A0278	MJKA-9	78.1～79.1	1.0	Mozodiorite			○			
279	7A0279	MJKA-9	84.1～85.1	1.0	Mozodiorite	○		○			84.6m(T)
280	7A0280	MJKA-9	85.1～86.4	1.3	Pyroxene skarn with pyrite imp.		○	○			85.3m(P)
281	7A0281	MJKA-9	86.4～87.4	1.0	Granodiorite			○			
282	7A0282	MJKA-11	0.5～1.0	0.5	Silicified skarn			○			
283	7A0283	MJKA-11	1.0～2.0	1.0	Silicified skarn			○			
284	7A0284	MJKA-11	2.0～3.0	1.0	Silicified skarn			○			
285	7A0285	MJKA-11	3.0～4.0	1.0	Silicified skarn			○			
286	7A0286	MJKA-11	4.0～5.0	1.0	Silicified skarn			○			
287	7A0287	MJKA-11	5.0～6.0	1.0	Silicified skarn			○			
288	7A0288	MJKA-11	6.0～7.0	1.0	Silicified skarn			○			
289	7A0289	MJKA-11	7.0～8.0	1.0	Silicified skarn			○			
290	7A0290	MJKA-11	8.0～9.0	1.0	Silicified skarn			○			
291	7A0291	MJKA-11	9.0～10.0	1.0	Silicified skarn			○			
292	7A0292	MJKA-11	10.0～11.0	1.0	Silicified skarn			○			
293	7A0293	MJKA-11	11.0～12.4	1.4	Silicified skarn			○			
294	7A0294	MJKA-11	12.4～13.0	0.6	Pyroxene skarn			○			
295	7A0295	MJKA-11	13.0～14.0	1.0	Silicified skarn			○			
296	7A0296	MJKA-11	14.0～15.0	1.0	Silicified skarn			○			
297	7A0297	MJKA-11	15.0～16.0	1.0	Silicified skarn			○			
298	7A0298	MJKA-11	16.0～17.0	1.0	Silicified skarn			○			
299	7A0299	MJKA-11	17.0～18.0	1.0	Silicified skarn			○			
300	7A0300	MJKA-11	18.0～19.0	1.0	Silicified skarn			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (13)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
301	7A0301	MJKA-11	19.0～20.0	1.0	Silicified skarn			○			
302	7A0302	MJKA-11	20.0～21.0	1.0	Silicified skarn			○			
303	7A0303	MJKA-11	21.0～22.0	1.0	Silicified skarn			○			
304	7A0304	MJKA-11	22.0～23.0	1.0	Silicified skarn			○			
305	7A0305	MJKA-11	23.0～24.0	1.0	Silicified skarn			○			
306	7A0306	MJKA-11	24.0～25.0	1.0	Silicified skarn			○			
307	7A0307	MJKA-11	25.0～26.0	1.0	Silicified skarn			○			
308	7A0308	MJKA-11	26.0～27.0	1.0	Silicified skarn			○			
309	7A0309	MJKA-11	27.0～27.9	0.9	Silicified skarn			○			
310	7A0310	MJKA-11	31.8～32.8	1.0	Chloritizated granodiorite			○			
311	7A0311	MJKA-11	32.8～33.8	1.0	Silicified skarn			○			
312	7A0312	MJKA-11	33.8～34.8	1.0	Silicified skarn			○			
313	7A0313	MJKA-11	34.8～35.8	1.0	Silicified skarn			○			
314	7A0314	MJKA-11	35.8～36.8	1.0	Silicified skarn			○			
315	7A0315	MJKA-11	36.8～37.8	1.0	Silicified skarn			○			
316	7A0316	MJKA-11	37.8～38.8	1.0	Silicified skarn			○			
317	7A0317	MJKA-11	38.8～39.8	1.0	Silicified skarn			○			
318	7A0318	MJKA-11	39.8～40.8	1.0	Silicified skarn			○			
319	7A0319	MJKA-11	40.8～41.8	1.0	Silicified skarn			○			
320	7A0320	MJKA-11	41.8～42.8	1.0	Silicified skarn			○			
321	7A0321	MJKA-11	42.8～43.8	1.0	Silicified skarn			○			
322	7A0322	MJKA-11	43.8～44.8	1.0	Silicified skarn			○			
323	7A0323	MJKA-11	44.8～45.8	1.0	Silicified skarn			○			
324	7A0324	MJKA-11	45.8～46.8	1.0	Silicified skarn			○			
325	7A0325	MJKA-11	46.8～47.8	1.0	Silicified skarn			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (14)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
326	7A0326	MJKA-11	47.8～48.8	1.0	Silicified skarn			○			
327	7A0327	MJKA-11	48.8～49.8	1.0	Silicified skarn with quartz vein			○		○	49.3m(F)
328	7A0328	MJKA-11	49.8～50.8	1.0	Silicified skarn			○			
329	7A0329	MJKA-11	50.8～51.8	1.0	Silicified skarn			○			
330	7A0330	MJKA-11	51.8～52.8	1.0	Silicified skarn			○			
331	7A0331	MJKA-11	52.8～54.0	1.2	Silicified skarn			○			
332	7A0332	MJKA-11	54.0～55.0	1.0	Lamprophyre	○		○			55.0m(T)
333	7A0333	MJKA-6	0～1.0	1.0	Wollastonite pyroxene skarn			○			
334	7A0334	MJKA-6	1.0～2.0	1.0	Wollastonite pyroxene skarn			○			
335	7A0335	MJKA-6	2.0～3.0	1.0	Wollastonite pyroxene skarn			○			
336	7A0336	MJKA-6	3.0～4.0	1.0	Quartz pyroxene wollastonite skarn			○			
337	7A0337	MJKA-6	4.0～5.0	1.0	Quartz pyroxene wollastonite skarn			○			
338	7A0338	MJKA-6	5.0～6.0	1.0	Quartz pyroxene wollastonite skarn			○			
339	7A0339	MJKA-6	6.0～7.0	1.0	Quartz pyroxene wollastonite skarn			○			
340	7A0340	MJKA-6	7.0～8.0	1.0	Quartz pyroxene wollastonite skarn			○			
341	7A0341	MJKA-6	8.0～9.0	1.0	Quartz pyroxene wollastonite skarn			○			
342	7A0342	MJKA-6	9.0～10.0	1.0	Quartz pyroxene wollastonite skarn			○			
343	7A0343	MJKA-6	10.0～11.0	1.0	Quartz pyroxene wollastonite skarn			○			
344	7A0344	MJKA-6	11.0～12.0	1.0	Quartz pyroxene wollastonite skarn			○			
345	7A0345	MJKA-6	12.0～12.5	0.5	Quartz pyroxene wollastonite skarn			○			
346	7A0346	MJKA-6	12.5～13.5	1.0	Granodiorite porphyry			○			
347	7A0347	MJKA-6	13.5～14.4	0.9	Granodiorite porphyry			○			
348	7A0348	MJKA-6	14.4～15.6	1.2	Pyroxene wollastonite skarn			○			
349	7A0349	MJKA-6	15.6～16.0	0.4	Granodiorite porphyry			○			
350	7A0350	MJKA-6	16.0～16.5	0.5	Brecciated shear zone			○	○		16.3m(X)

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (15)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
351	7A0351	MJKA-6	16.5～17.5	1.0	Marble			○			
352	7A0352	MJKA-6	20.5～21.5	1.0	Marble			○			
353	7A0353	MJKA-6	21.5～22.5	1.4	Pyroxene wollastonite skarn			○			
354	7A0354	MJKA-6	22.5～23.5	1.0	Pyroxene wollastonite skarn			○			
355	7A0355	MJKA-6	23.5～24.5	1.0	Pyroxene wollastonite skarn			○			
356	7A0356	MJKA-6	24.5～25.5	1.0	Pyroxene wollastonite skarn			○			
357	7A0357	MJKA-6	25.5～26.5	1.0	Pyroxene wollastonite skarn			○			
358	7A0358	MJKA-6	26.5～26.9	0.4	Brecciated zone			○			
359	7A0359	MJKA-6	26.9～27.7	0.8	Pyroxene wollastonite skarn			○			
360	7A0360	MJKA-6	27.7～29.2	1.5	Silicified skarn			○			
361	7A0361	MJKA-6	29.2～30.2	1.0	Pyroxene wollastonite skarn			○			
362	7A0362	MJKA-6	30.2～31.2	1.0	Pyroxene wollastonite skarn			○			
363	7A0363	MJKA-6	31.2～32.7	1.5	Pyroxene wollastonite skarn			○			
364	7A0364	MJKA-6	32.7～33.95	1.3	Pyroxene skarn			○			
365	7A0365	MJKA-6	33.95～35.5	1.55	Granodiorite porphyry			○			
366	7A0366	MJKA-6	35.5～36.5	1.0	Quartz pyroxene wollastonite skarn			○			
367	7A0367	MJKA-6	36.5～37.5	1.0	Quartz pyroxene wollastonite skarn			○			
368	7A0368	MJKA-6	37.5～38.5	1.0	Quartz pyroxene wollastonite skarn	○		○			37.8m(T)
369	7A0369	MJKA-6	38.5～39.5	1.0	Quartz pyroxene wollastonite skarn			○			
370	7A0370	MJKA-6	39.5～40.5	1.4	Quartz pyroxene wollastonite skarn			○			
371	7A0371	MJKA-6	40.5～41.5	1.0	Quartz pyroxene wollastonite skarn			○			
372	7A0372	MJKA-6	41.5～42.7	1.2	Quartz pyroxene wollastonite skarn			○			
373	7A0373	MJKA-6	42.7～44.0	1.3	Silicified skarn			○			
374	7A0374	MJKA-6	44.0～45.0	1.0	Quartz pyroxene wollastonite skarn			○			
375	7A0375	MJKA-6	45.0～46.0	1.0	Quartz pyroxene wollastonite skarn			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (16)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
376	7A0376	MJKA-6	46.0～47.0	1.0	Quartz pyroxene wollastonite skarn			○			
377	7A0377	MJKA-6	47.0～48.0	1.0	Quartz pyroxene wollastonite skarn			○			
378	7A0378	MJKA-6	48.0～49.0	1.0	Quartz pyroxene wollastonite skarn			○			
379	7A0379	MJKA-6	49.0～50.1	1.1	Quartz pyroxene wollastonite skarn			○		○	49.2m(F), quartz v
380	7A0380	MJKA-6	50.1～51.0	0.9	Silicified skarn			○			
381	7A0381	MJKA-6	51.0～51.7	0.7	Pyroxene skarn			○			
382	7A0382	MJKA-6	51.7～52.8	1.1	Chloritizated granodiorite			○			
383	7A0383	MJKA-6	61.35	0.1	Shear zone				○		61.35m(X)
384	7A0384	MJKA-9	140.7	0.1	Arsenopyrite quartz vein		○				140.7m(P)
385	7A0385	MJKA-9	173.8	0.1	Granodiorite porphyry	○					173.8m(T)
386	7A0386	MJKA-11	28.0	0.1	Shear zone with clay				○		28.0m(X)
387	7A0387	MJKA-1	43.6	0.1	Brecciated ranodiorite	○					43.6m(T)
388	7A0388	MJKA-1	44.7	0.1	Shear zone with clay				○		44.7m(X)
389	7A0389	MJKA-1	58.6～59.6	1.0	Granodiorite with clay			○	○		59.6m(X)
390	7A0390	MJKA-1	59.6～60.6	1.0	Chloritizated pyroxene skarnized rock			○			
391	7A0391	MJKA-1	60.6～62.0	1.4	Chloritizated pyroxene skarnized rock			○			
392	7A0392	MJKA-1	62.0～63.0	1.0	Granodiorite			○			
393	7A0393	MJKA-1	63.0～64.0	1.0	Granodiorite			○			
394	7A0394	MJKA-1	64.0～65.0	1.0	Granodiorite			○			
395	7A0395	MJKA-1	65.0～66.0	1.0	Granodiorite			○			
396	7A0396	MJKA-1	66.0～67.0	1.0	Granodiorite			○			
397	7A0397	MJKA-1	67.0～68.0	1.0	Granodiorite			○			
398	7A0398	MJKA-1	68.0～69.1	1.1	Granodiorite			○			
399	7A0399	MJKA-1	69.1～70.1	1.0	Silicified wollastonite pyroxene skarn			○			
400	7A0400	MJKA-1	70.1～71.1	1.0	Silicified wollastonite pyroxene skarn			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (17)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
401	7A0401	MJKA-1	71.1～72.1	1.0	Silicified wollastonite pyroxene skarn			○			
402	7A0402	MJKA-1	72.1～73.1	1.0	Silicified wollastonite pyroxene skarn			○			
403	7A0403	MJKA-1	73.1～74.1	1.0	Silicified wollastonite pyroxene skarn		○	○			73.4m(P)
404	7A0404	MJKA-1	74.1～75.1	1.0	Silicified wollastonite pyroxene skarn			○			
405	7A0405	MJKA-1	75.1～76.1	1.0	Silicified wollastonite pyroxene skarn			○			
406	7A0406	MJKA-1	76.1～77.1	1.0	Silicified wollastonite pyroxene skarn			○			
407	7A0407	MJKA-1	77.1～78.1	1.0	Silicified wollastonite pyroxene skarn			○			
408	7A0408	MJKA-1	78.1～79.1	1.0	Silicified wollastonite pyroxene skarn			○			
409	7A0409	MJKA-1	79.1～80.1	1.0	Silicified wollastonite pyroxene skarn			○			
410	7A0410	MJKA-1	80.1～81.1	1.0	Silicified wollastonite pyroxene skarn			○			
411	7A0411	MJKA-1	81.1～82.1	1.0	Silicified wollastonite pyroxene skarn			○			
412	7A0412	MJKA-1	82.1～83.1	1.0	Silicified wollastonite pyroxene skarn			○			
413	7A0413	MJKA-1	83.1～84.1	1.0	Silicified wollastonite pyroxene skarn			○			
414	7A0414	MJKA-1	84.1～85.1	1.0	Silicified wollastonite pyroxene skarn			○			
415	7A0415	MJKA-1	85.1～86.1	1.0	Silicified wollastonite pyroxene skarn			○			
416	7A0416	MJKA-1	86.1～87.1	1.0	Silicified wollastonite pyroxene skarn			○			
417	7A0417	MJKA-1	87.1～88.1	1.0	Silicified wollastonite pyroxene skarn			○			
418	7A0418	MJKA-1	88.1～89.1	1.0	Silicified wollastonite pyroxene skarn			○			
419	7A0419	MJKA-1	89.1～90.1	1.0	Silicified wollastonite pyroxene skarn			○			
420	7A0420	MJKA-1	90.1～91.1	1.0	Silicified wollastonite pyroxene skarn			○			
421	7A0421	MJKA-1	91.8～92.0	0.9	Silicified wollastonite pyroxene skarn			○			
422	7A0422	MJKA-1	92.0～93.0	1.0	Limonitzated silicified skarn			○			
423	7A0423	MJKA-1	93.0～94.0	1.0	Limonitzated silicified skarn			○			
424	7A0424	MJKA-1	94.0～95.0	1.0	Limonitzated silicified skarn			○			
425	7A0425	MJKA-1	95.0～96.0	1.0	Limonitzated silicified skarn			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (18)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
426	7A0426	MJKA-1	96.0～96.7	0.7	Silicified skarn			○			
427	7A0427	MJKA-1	96.7～97.7	1.0	Silicified skarn			○			
428	7A0428	MJKA-1	97.7～99.3	1.6	Silicified skarn			○			
429	7A0429	MJKA-1	99.3～100.3	1.0	Limonitizated silicified skarn			○			
430	7A0430	MJKA-1	100.3～100.9	0.6	Limonitizated silicified skarn			○			
431	7A0431	MJKA-1	100.9～101.9	1.0	Silicified skarn			○			
432	7A0432	MJKA-1	101.9～102.9	1.0	Silicified skarn			○			
433	7A0433	MJKA-1	102.9～103.9	1.0	Silicified skarn			○			
434	7A0434	MJKA-1	103.9～104.9	1.0	Silicified skarn			○			
435	7A0435	MJKA-1	104.9～105.9	1.0	Silicified skarn			○			
436	7A0436	MJKA-1	105.9～107.1	1.2	Silicified skarn			○			
437	7A0437	MJKA-1	107.1～108.1	1.0	Limonitizated silicified skarn			○			
438	7A0438	MJKA-1	108.1～109.1	1.0	Limonitizated silicified skarn			○			
439	7A0439	MJKA-1	109.1～110.1	1.0	Limonitizated silicified skarn			○			
440	7A0440	MJKA-1	110.1～111.1	1.0	Limonitizated silicified skarn			○			
441	7A0441	MJKA-1	111.1～112.4	1.3	Limonitizated silicified skarn			○			
442	7A0442	MJKA-1	112.4～113.4	1.0	Silicified skarn			○			
443	7A0443	MJKA-1	113.4～114.4	1.0	Silicified skarn			○			
444	7A0444	MJKA-1	114.4～115.4	1.0	Silicified skarn			○			
445	7A0445	MJKA-1	115.4～116.4	1.0	Silicified skarn			○			
446	7A0446	MJKA-1	116.4～117.4	1.0	Silicified skarn			○			
447	7A0447	MJKA-1	117.4～118.4	1.0	Silicified skarn			○			
448	7A0448	MJKA-1	118.4～119.4	1.0	Silicified skarn			○			
449	7A0449	MJKA-1	119.4～120.8	1.4	Silicified skarn			○			
450	7A0450	MJKA-1	120.8～121.8	1.0	Limonitizated silicified skarn			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (19)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
451	7A0451	MJKA-1	121.8～123.3	1.5	Limonitizated silicified skarn			○			
452	7A0452	MJKA-1	125.3～126.3	1.0	Limonitizated silicified skarn			○			
453	7A0453	MJKA-1	126.3～127.3	1.0	Limonitizated silicified skarn			○			
454	7A0454	MJKA-1	127.3～128.3	1.0	Limonitizated silicified skarn			○			
455	7A0455	MJKA-1	128.3～129.3	1.0	Limonitizated silicified skarn			○			
456	7A0456	MJKA-1	129.3～130.3	1.0	Limonitizated silicified skarn			○			
457	7A0457	MJKA-1	130.3～131.2	0.9	Limonitizated silicified skarn			○			
458	7A0458	MJKA-1	131.2～132.2	1.0	Limonitizated chloritizated granodiorite			○			
459	7A0459	MJKA-1	132.2～133.2	1.0	Limonitizated chloritizated granodiorite			○			
460	7A0460	MJKA-1	133.2～134.2	1.0	Limonitizated chloritizated granodiorite			○			
461	7A0461	MJKA-1	134.2～135.2	1.0	Limonitizated chloritizated granodiorite			○			
462	7A0462	MJKA-1	135.2～136.2	1.0	Limonitizated chloritizated granodiorite			○			
463	7A0463	MJKA-6	52.8～53.5	0.7	Limonitizated aplite			○			
464	7A0464	MJKA-6	53.5～54.5	1.0	Chloritizated granodiorite			○			
465	7A0465	MJKA-6	54.5～55.5	1.0	Chloritizated granodiorite			○			
466	7A0466	MJKA-6	55.5～56.5	1.0	Chloritizated granodiorite			○			
467	7A0467	MJKA-6	56.5～57.5	1.0	Chloritizated granodiorite			○			
468	7A0468	MJKA-6	57.5～58.1	0.6	Chloritizated granodiorite			○			
469	7A0469	MJKA-6	58.1～58.9	0.8	Pyroxene skarn			○			
470	7A0470	MJKA-6	58.9～59.9	1.0	Aplite			○			
471	7A0471	MJKA-6	59.9～60.9	1.0	Aplite			○			
472	7A0472	MJKA-6	73.8～74.8	1.0	Chloritizated granodiorite			○			
473	7A0473	MJKA-6	74.8～75.8	1.0	Chloritizated granodiorite			○			
474	7A0474	MJKA-6	75.8～76.8	1.0	Chloritizated granodiorite			○			
475	7A0475	MJKA-6	76.8～77.8	1.0	Chloritizated granodiorite			○			

T: Thin section, P: Polished section, C: Chemical assay analysis.

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (20)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
476	7A0476	MJKA-6	77.8～78.9	1.1	Chloritizated pyroxene skarn			○			
477	7A0477	MJKA-6	78.9～80.5	1.6	Chloritizated granodiorite			○			
478	7A0478	MJKA-6	80.5～81.5	1.0	Chloritizated granodiorite			○			
479	7A0479	MJKA-6	81.5～82.5	1.0	Chloritizated granodiorite			○			
480	7A0480	MJKA-6	82.5～83.5	1.0	Quartz pyroxene skarn			○			
481	7A0481	MJKA-6	83.5～84.2	0.7	Quartz pyroxene skarn			○			
482	7A0482	MJKA-6	84.2～85.2	1.0	Quartz pyroxene wollastonite skarn			○			
483	7A0483	MJKA-6	85.2～86.2	1.0	Quartz pyroxene wollastonite skarn			○			
484	7A0484	MJKA-6	86.2～87.2	1.0	Quartz pyroxene wollastonite skarn			○			
485	7A0485	MJKA-6	87.2～88.2	1.0	Quartz pyroxene wollastonite skarn			○			
486	7A0486	MJKA-6	88.2～89.2	1.0	Quartz pyroxene wollastonite skarn			○			
487	7A0487	MJKA-6	89.2～90.2	1.0	Quartz pyroxene wollastonite skarn			○			
488	7A0488	MJKA-6	90.2～91.2	1.0	Silic. brec. pyroxene skarnized rock			○			
489	7A0489	MJKA-6	91.2～92.2	1.0	Silic. brec. pyroxene skarnized rock			○			
490	7A0490	MJKA-6	92.2～93.2	1.0	Silic. brec. pyroxene skarnized rock			○			
491	7A0491	MJKA-6	93.2～94.4	1.2	Silic. brec. pyroxene skarnized rock		○	○			94.3m(P)
492	7A0492	MJKA-6	94.4～95.4	1.0	Quartz pyroxene wollastonite skarn			○			
493	7A0493	MJKA-6	95.4～96.4	1.0	Quartz pyroxene wollastonite skarn	○		○			95.6m(T)
494	7A0494	MJKA-6	96.4～97.4	1.0	Quartz pyroxene wollastonite skarn			○			
495	7A0495	MJKA-6	97.4～98.4	1.0	Quartz pyroxene wollastonite skarn			○			
496	7A0496	MJKA-6	98.4～99.4	1.0	Quartz pyroxene wollastonite skarn			○			
497	7A0497	MJKA-6	99.4～100.4	1.0	Quartz pyroxene skarn			○			
498	7A0498	MJKA-6	100.4～101.4	1.0	Quartz pyroxene skarn			○			
499	7A0499	MJKA-6	101.4～102.4	1.0	Quartz pyroxene skarn			○			
500	7A0500	MJKA-6	102.4～103.4	1.0	Quartz pyroxene skarn			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (21)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
501	7A0501	MJKA-6	103.4～104.4	1.0	Quartz pyroxene skarn		○	○			103.6m(P)
502	7A0502	MJKA-6	104.4～105.5	1.1	Quartz pyroxene skarn			○			
503	7A0503	MJKA-6	105.5～106.5	1.0	Aplite			○			
504	7A0504	MJKA-6	106.5～107.5	1.0	Aplite			○			
505	7A0505	MJKA-6	107.5～108.5	1.0	Aplite			○			
506	7A0506	MJKA-6	108.5～109.5	1.0	Aplite			○			
507	7A0507	MJKA-6	109.5～110.9	1.4	Aplite			○			
508	7A0508	MJKA-6	110.9～111.9	1.0	Pyroxene skarn with py asp cal vein		○	○			111.2m(P)
509	7A0509	MJKA-6	111.9～112.8	0.9	Pyroxene skarn with cp py asp imp.		○	○			112.7m(P)
510	7A0510	MJKA-6	112.8～113.8	1.0	Silicified weak skarnized marble			○			
511	7A0511	MJKA-6	113.8～114.8	1.0	Silicified weak skarnized marble			○			
512	7A0512	MJKA-6	114.8～115.8	1.0	Silicified weak skarnized marble			○			
513	7A0513	MJKA-6	115.8～117.0	1.2	Silicified weak skarnized marble			○			
514	7A0514	MJKA-6	117.0～117.45	0.45	Marble			○			
515	7A0515	MJKA-6	117.45～117.9	0.45	Quartz pyroxene wollastonite skarn			○			
516	7A0516	MJKA-6	117.9～118.9	1.0	Silicified skarnized marble			○			
517	7A0517	MJKA-6	118.9～119.8	0.9	Silicified skarnized marble			○			
518	7A0518	MJKA-6	119.8～120.8	1.0	Marble and skarnized marble			○			
519	7A0519	MJKA-6	120.8～122.1	1.3	Garnet pyroxene skarnized marble			○			
520	7A0520	MJKA-6	122.1～123.6	1.5	Quartz wollastonite skarn			○			
521	7A0521	MJKA-6	123.6～124.0	0.4	Garnet pyroxene skarnized marble			○			
522	7A0522	MJKA-6	124.0～124.5	0.5	Aplite with pyrite			○			
523	7A0523	MJKA-6	124.5～125.5	1.0	Garnet px-wo skarnized marble			○			
524	7A0524	MJKA-6	125.5～127.0	1.5	Garnet px-wo skarnized marble			○			
525	7A0525	MJKA-6	127.0～128.0	1.0	Garnet pyroxene skarnized marble			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (22)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
526	7A0526	MJKA-6	128.0～129.0	1.0	Garnet pyroxene skarnized marble			○			
527	7A0527	MJKA-6	129.0～130.0	1.0	Chloritizated granodiorite porphyry			○			
528	7A0528	MJKA-6	130.0～131.0	1.0	Chloritizated granodiorite porphyry			○			
529	7A0529	MJKA-6	131.0～132.3	1.3	Chloritizated granodiorite porphyry			○			
530	7A0530	MJKA-6	132.3～133.6	1.3	Marble			○			
531	7A0531	MJKA-6	133.6～134.6	1.0	Black silicified rock			○			
532	7A0532	MJKA-6	134.6～135.6	1.0	Black silicified rock			○			
533	7A0533	MJKA-6	135.6～136.4	0.8	Black silicified rock			○			
534	7A0534	MJKA-6	136.4～137.4	1.0	Marble			○			
535	7A0535	MJKA-6	137.4～138.7	1.3	Marble			○			
536	7A0536	MJKA-6	138.7～139.7	1.0	Black silicified marble			○			
537	7A0537	MJKA-6	139.7～140.9	1.0	Black silicified marble			○			
538	7A0538	MJKA-6	140.9～142.5	1.6	Black silicified marble			○			
539	7A0539	MJKA-6	142.5～143.5	1.0	Silic. garnet px-wo skarn			○			
540	7A0540	MJKA-6	143.5～144.5	1.0	Silic. garnet px-wo skarn			○			
541	7A0541	MJKA-6	144.5～146.0	1.5	Silic. garnet px-wo skarn			○			
542	7A0542	MJKA-6	146.0～146.7	0.7	Marble			○			
543	7A0543	MJKA-6	146.7～147.7	1.0	Silic. garnet px-wo skarnized marble			○			
544	7A0544	MJKA-6	147.7～148.7	1.0	Black silicified marble			○			
545	7A0545	MJKA-6	148.7～149.7	1.0	Silic. px skarnized marble			○			
546	7A0546	MJKA-6	149.7～150.7	1.0	Silic. px skarnized marble			○			
547	7A0547	MJKA-6	150.7～151.7	1.0	Silic. px skarnized marble			○			
548	7A0548	MJKA-6	151.7～152.9	1.2	Silic. px skarnized marble			○			
549	7A0549	MJKA-6	152.9～153.8	0.9	Silicified wollastonite skarn			○			
550	7A0550	MJKA-6	153.8～154.4	0.6	Silicified marble			○			

T: Thin section, P: Polished section, C: Chemical assay analysis.

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (23)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
551	7A0551	MJKA-6	154.4～155.4	1.0	Silicified wollastonite skarn			○			
552	7A0552	MJKA-6	155.4～156.6	1.2	Silicified wollastonite skarn			○			
553	7A0553	MJKA-6	156.6～157.6	1.0	Silicified marble			○			
554	7A0554	MJKA-6	157.6～158.6	1.0	Silicified marble			○			
555	7A0555	MJKA-6	158.6～160.1	1.5	Silicified marble			○			
556	7A0556	MJKA-2	116.4	0.1	Shear with cream colored sticky clay				○		116.4m(X)
557	7A0557	MJKA-2	27.0	0.1	Olive gray clay				○		27.0m(X)
558	7A0558	MJKA-7	15.5～16.3	0.8	Brecciated px skarn with pyrite and cal v		○	○	○		15.9m(P), 16.1m(F)
559	7A0559	MJKA-7	16.3～16.5	0.2	Pyroxene skarn			○			
560	7A0560	MJKA-7	16.5～17.6	1.1	Brecciated px skarn with pyrite			○			
561	7A0561	MJKA-7	17.6～18.6	1.0	Pyroxene skarn			○			
562	7A0562	MJKA-7	18.6～20.3	1.7	Px skarn with altered granodiorite	○		○			18.6m(T)
563	7A0563	MJKA-7	20.3～22.0	1.7	Pyroxene skarn			○			
564	7A0564	MJKA-7	22.0～23.0	1.0	Pyroxene skarn			○			
565	7A0565	MJKA-7	23.0～23.9	0.9	Pyroxene skarn		○	○			23.7m(P)
566	7A0566	MJKA-7	23.9～24.1	0.2	Shear zone			○	○		24.0m(X)
567	7A0567	MJKA-7	24.1～25.3	1.2	Pyroxene skarn			○			
568	7A0568	MJKA-7	25.3～26.3	1.0	Pyroxene skarn			○			
569	7A0569	MJKA-7	26.3～27.3	1.0	Pyroxene skarn			○			
570	7A0570	MJKA-7	27.3～28.3	1.0	Pyroxene skarn			○			
571	7A0571	MJKA-7	28.3～29.3	1.0	Pyroxene skarn			○			
572	7A0572	MJKA-7	29.3～30.3	1.0	Pyroxene skarn			○			
573	7A0573	MJKA-7	30.3～31.3	1.0	Pyroxene skarn			○			
574	7A0574	MJKA-7	3.0～4.0	1.0	Chloritizated granodiorite			○			
575	7A0575	MJKA-7	4.0～5.0	1.0	Chloritizated granodiorite			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (24)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
576	7A0576	MJKA-7	5.0～6.0	1.0	Chloritizated granodiorite			○			
577	7A0577	MJKA-7	6.0～7.1	1.1	Chloritizated granodiorite			○			
578	7A0578	MJKA-7	7.1～8.1	1.0	Quartz wollastonite pyroxene skarn			○			
579	7A0579	MJKA-7	8.1～9.1	1.0	Quartz wollastonite pyroxene skarn			○			
580	7A0580	MJKA-7	9.1～10.1	1.0	Quartz wollastonite pyroxene skarn			○			
581	7A0581	MJKA-7	10.1～11.1	1.0	Quartz wollastonite pyroxene skarn			○			
582	7A0582	MJKA-7	11.1～12.1	1.0	Quartz wollastonite pyroxene skarn			○			
583	7A0583	MJKA-7	12.1～13.1	1.0	Quartz wollastonite pyroxene skarn			○			
584	7A0584	MJKA-7	13.1～14.1	1.0	Quartz wollastonite pyroxene skarn			○			
585	7A0585	MJKA-7	14.1～15.5	1.4	Quartz wollastonite pyroxene skarn			○			
586	7A0586	MJKA-2	129.1	0.1	Granodiorite porphyry	○					129.6m(T)
587	7A0587	MJKA-7	31.3～32.3	1.0	Pyroxene skarn			○			
588	7A0588	MJKA-7	32.3～33.2	1.0	Pyroxene skarn			○			
589	7A0589	MJKA-7	32.3～35.2	1.9	Pyroxene skarn			○			
590	7A0590	MJKA-7	35.2～37.2	2.0	Pyroxene skarn			○			
591	7A0591	MJKA-7	37.2～38.8	1.6	Granodiorite			○			
592	7A0592	MJKA-7	38.8～41.0	2.2	Granodiorite			○			
593	7A0593	MJKA-7	41.0～42.4	1.4	Granodiorite			○			
594	7A0594	MJKA-7	42.4～43.4	1.0	Chlorite pyroxene skarnized rock			○			
595	7A0595	MJKA-7	43.4～44.6	1.2	Chlorite pyroxene skarnized rock			○			
596	7A0596	MJKA-7	44.6～45.6	1.0	Limonitizated aplitic rock			○			
597	7A0597	MJKA-7	45.6～46.6	1.0	Limonitizated aplitic rock			○			
598	7A0598	MJKA-7	44.6～48.1	1.6	Limonitizated aplitic rock			○			
599	7A0599	MJKA-7	48.1～49.1	1.0	Granodiorite			○			
600	7A0600	MJKA-7	49.1～50.1	1.0	Granodiorite			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (25)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
601	7A0601	MJKA-7	50.1～51.1	1.0	Granodiorite			○			
602	7A0602	MJKA-7	51.1～52.1	1.0	Granodiorite			○			
603	7A0603	MJKA-7	52.1～53.1	1.0	Granodiorite			○			
604	7A0604	MJKA-7	53.1～54.1	1.0	Granodiorite			○			
605	7A0605	MJKA-7	54.1～55.1	1.0	Granodiorite			○			
606	7A0606	MJKA-7	55.1～56.1	1.0	Granodiorite			○			
607	7A0607	MJKA-7	56.1～57.2	1.1	Granodiorite			○			
608	7A0608	MJKA-7	57.2～57.6	0.4	Lamprophyre			○			
609	7A0609	MJKA-7	57.6～58.6	1.0	Granodiorite			○			
610	7A0610	MJKA-7	58.6～59.6	1.0	Granodiorite			○			
611	7A0611	MJKA-7	59.6～60.6	1.0	Granodiorite			○			
612	7A0612	MJKA-7	60.6～61.6	1.0	Granodiorite			○			
613	7A0613	MJKA-7	61.6～62.6	1.0	Granodiorite			○	○		62.6m(X)
614	7A0614	MJKA-7	62.6～63.6	1.0	Granodiorite			○			
615	7A0615	MJKA-2	34.0～35.0	1.0	Chloritizated granodiorite			○			
616	7A0616	MJKA-2	35.0～36.0	1.0	Chloritizated granodiorite			○			
617	7A0617	MJKA-2	36.0～37.0	1.0	Chloritizated granodiorite			○			
618	7A0618	MJKA-2	37.0～38.0	1.0	Chloritizated granodiorite			○			
619	7A0619	MJKA-2	38.0～39.5	1.5	Chloritizated granodiorite			○			
620	7A0620	MJKA-2	39.5～40.1	0.6	Lamprophyre			○			
621	7A0621	MJKA-2	40.1～41.1	1.0	Granodiorite porphyry			○			
622	7A0622	MJKA-2	41.1～42.1	1.0	Granodiorite porphyry			○			
623	7A0623	MJKA-2	42.1～43.1	1.0	Granodiorite porphyry			○			
624	7A0624	MJKA-2	43.1～44.0	0.9	Lamprophyre			○			
625	7A0625	MJKA-2	44.0～45.0	1.0	Granodiorite porphyry			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (26)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
626	7A0626	MJKA-2	45.0～46.6	1.6	Granodiorite porphyry			○			
627	7A0627	MJKA-2	46.6～47.6	1.0	Chloritizated granodiorite			○			
628	7A0628	MJKA-2	47.6～48.5	0.9	Chloritizated granodiorite			○			
629	7A0629	MJKA-2	48.5～49.5	1.0	Strong chlorite altered rock			○			
630	7A0630	MJKA-2	49.5～50.5	1.0	Strong chlorite altered rock			○			
631	7A0631	MJKA-2	50.5～51.5	1.0	Strong chlorite altered rock			○			
632	7A0632	MJKA-2	51.5～52.5	1.0	Strong chlorite altered rock			○			
633	7A0633	MJKA-2	52.5～53.5	1.0	Strong chlorite altered rock			○			
634	7A0634	MJKA-2	53.5～54.5	1.0	Strong chlorite altered rock			○			
635	7A0635	MJKA-2	54.5～55.5	1.0	Strong chlorite altered rock			○			
636	7A0636	MJKA-2	55.5～57.1	1.6	Strong chlorite altered rock			○			
637	7A0637	MJKA-2	57.1～58.1	1.0	Strong chloritizated granodiorite			○			
638	7A0638	MJKA-2	58.1～59.1	1.0	Strong chloritizated granodiorite			○			
639	7A0639	MJKA-2	59.1～60.1	1.0	Strong chloritizated granodiorite			○			
640	7A0640	MJKA-2	60.1～61.1	1.0	Strong chloritizated granodiorite			○			
641	7A0641	MJKA-7	113.0	0.1	Olive sticky clay				○		113.0m(X)
642	7A0642	MJKA-7	123.0～124.0	1.0	White altered aplitic rock			○			
743	7A0643	MJKA-7	124.0～125.0	1.0	Limonitizated granodiorite			○			
644	7A0644	MJKA-7	125.0～125.2	0.2	Shear with cal qtz asp-py		○	○	○		125.1m(P,X)
645	7A0645	MJKA-7	125.2～126.2	1.0	Limonitizated granodiorite			○			
646	7A0646	MJKA-7	126.2～127.2	1.0	Limonitizated granodiorite			○			
647	7A0647	MJKA-7	140.0～141.0	1.0	Granodiorite			○			
648	7A0648	MJKA-7	141.0～142.0	1.0	Limonitizated granodiorite			○			
649	7A0649	MJKA-7	142.0～143.0	1.0	Limonitizated granodiorite with py conc.			○			
650	7A0650	MJKA-7	143.0～144.0	1.0	Limonitizated granodiorite			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (27)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
651	7A0651	MJKA-7	144.0～145.0	1.0	Limonitizated granodiorite			○			
652	7A0652	MJKA-7	145.0～146.0	1.0	Limonitizated granodiorite			○			
653	7A0653	MJKA-7	146.0～147.0	1.0	Limonitizated granodiorite			○			
654	7A0654	MJKA-7	147.0～148.0	1.0	Limonitizated granodiorite			○			
655	7A0655	MJKA-7	148.0～149.0	1.0	Limonitizated granodiorite			○			
656	7A0656	MJKA-7	149.0～150.0	1.0	Limonitizated granodiorite			○			
657	7A0657	MJKA-7	150.0～151.0	1.0	Limonitizated granodiorite			○			
658	7A0658	MJKA-7	151.0～152.0	1.0	Limonitizated granodiorite			○			
759	7A0659	MJKA-7	152.0～153.0	1.0	Limonitizated granodiorite			○			
660	7A0660	MJKA-7	153.0～154.0	1.0	Limonitizated granodiorite			○			
661	7A0661	MJKA-7	154.0～155.0	1.0	Limonitizated granodiorite			○			
662	7A0662	MJKA-7	155.0～156.0	1.0	Limonitizated granodiorite			○			
663	7A0663	MJKA-7	156.0～157.0	1.0	White altered aplite			○			
664	7A0664	MJKA-7	157.0～158.0	1.0	White altered aplite			○			
665	7A0665	MJKA-7	158.0～159.0	1.0	White altered aplite			○			
666	7A0666	MJKA-7	159.0～160.0	1.0	White altered aplite			○			
667	7A0667	MJKA-7	160.0～161.0	1.0	White altered aplite			○			
668	7A0668	MJKA-7	161.0～162.0	1.0	White altered aplite			○			
669	7A0669	MJKA-7	162.0～163.0	1.0	White altered aplite			○			
670	7A0670	MJKA-7	163.0～164.0	1.0	White altered aplite			○			
671	7A0671	MJKA-7	164.0～165.0	1.0	White altered aplite			○			
672	7A0672	MJKA-7	165.0～166.0	1.0	White altered aplite			○			
673	7A0673	MJKA-7	166.0～167.0	1.0	White altered aplite			○			
674	7A0674	MJKA-7	167.0～168.0	1.0	White altered aplite			○			
675	7A0675	MJKA-7	168.0～169.0	1.0	White altered aplite			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (28)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
676	7A0676	MJKA-7	169.0～170.0	1.0	White altered aplite			○			
677	7A0677	MJKA-7	170.0～171.0	1.0	White altered aplite			○			
678	7A0678	MJKA-7	171.0～172.0	1.0	White altered aplite			○			
679	7A0679	MJKA-7	172.0～173.0	1.0	White altered aplite			○			
680	7A0680	MJKA-7	173.0～174.0	1.0	White altered aplite			○			
681	7A0681	MJKA-7	174.0～175.0	1.0	White altered aplite			○			
682	7A0682	MJKA-7	175.0～176.0	1.0	White altered aplite			○			
683	7A0683	MJKA-7	176.0～177.0	1.0	White altered aplite	○	○	○			176.8m(T,P)
684	7A0684	MJKA-7	177.0～178.0	1.0	White altered aplite			○			
685	7A0685	MJKA-7	178.0～179.0	1.0	White altered aplite			○	○		179.0m(X)
686	7A0686	MJKA-7	179.0～180.0	1.0	White altered aplite			○			
687	7A0687	MJKA-7	180.0～181.0	1.0	White altered aplite			○			
688	7A0688	MJKA-7	181.0～182.0	1.0	White altered aplite			○			
689	7A0689	MJKA-7	182.0～183.0	1.0	White altered aplite			○			
690	7A0690	MJKA-7	183.0～184.0	1.0	White altered aplite			○			
691	7A0691	MJKA-2	164.0～165.0	1.0	Granodiorite with ars py veinlet			○			
692	7A0692	MJKA-2	165.0～166.0	1.0	Granodiorite			○			
693	7A0693	MJKA-2	166.0～167.2	1.2	Granodiorite			○			
694	7A0694	MJKA-2	167.2～168.2	1.0	Aplite			○			
695	7A0695	MJKA-2	168.2～169.2	1.0	Aplite			○			
696	7A0696	MJKA-2	169.2～169.8	0.6	Aplite			○			
697	7A0697	MJKA-2	169.8～170.8	1.0	Limonitizated granodiorite			○			
698	7A0698	MJKA-2	170.8～171.8	1.0	Limonitizated granodiorite			○			
699	7A0699	MJKA-2	188.4～189.4	1.0	Limonitizated granodiorite			○			
700	7A0700	MJKA-2	189.4～190.4	1.0	Limonitizated granodiorite			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (29)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
701	7A0701	MJKA-2	190.4～191.4	1.0	Limonitizated granodiorite			○			
702	7A0702	MJKA-2	191.4～192.4	1.0	Limonitizated granodiorite			○			
703	7A0703	MJKA-2	192.4～193.4	1.0	Limonitizated granodiorite			○			
704	7A0704	MJKA-2	193.4～194.4	1.0	Limonitizated granodiorite			○			
705	7A0705	MJKA-2	194.4～195.3	0.9	Limonitizated granodiorite			○			
706	7A0706	MJKA-2	241.0～242.0	1.0	White altered aplite			○			
707	7A0707	MJKA-2	242.0～243.0	1.0	White altered aplite			○			
708	7A0708	MJKA-2	243.0～243.3	0.3	Brecciated cal py arsenopyrite vein		○	○	○		243.2m(P),243.3m(X)
709	7A0709	MJKA-2	243.3～244.5	1.0	White altered aplite with asp veinlet			○			
710	7A0710	MJKA-11	55.0～56.0	1.0	Granodiorite porphyry			○			
711	7A0711	MJKA-11	56.0～57.0	1.0	Granodiorite porphyry			○			
712	7A0712	MJKA-11	57.0～57.7	0.7	Granodiorite porphyry			○			
713	7A0713	MJKA-11	57.7～59.1	1.4	Silicified skarn			○			
714	7A0714	MJKA-11	59.1～60.1	1.0	Aplitic rock			○			
715	7A0715	MJKA-11	60.1～61.1	1.0	Aplitic rock			○			
716	7A0716	MJKA-11	61.1～62.1	1.0	Aplitic rock			○			
717	7A0717	MJKA-11	62.1～63.1	1.0	Aplitic rock			○			
718	7A0718	MJKA-11	63.1～64.6	1.5	Aplitic rock			○			
719	7A0719	MJKA-11	64.6～65.6	1.0	Aplitic rock			○			
720	7A0720	MJKA-11	65.6～66.6	1.0	Aplitic rock			○			
721	7A0721	MJKA-11	66.6～67.6	1.0	Aplitic rock			○	○		67.2m(X)
722	7A0722	MJKA-11	67.6～68.6	1.0	Aplitic rock			○			
723	7A0723	MJKA-11	68.6～69.6	1.0	Aplitic rock			○			
724	7A0724	MJKA-11	69.6～70.6	1.0	Aplitic rock			○			
725	7A0725	MJKA-11	70.6～71.6	1.0	Aplitic rock			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (30)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
726	7A0726	MJKA-11	71.6～72.6	1.0	Aplitic rock			○			
727	7A0727	MJKA-11	72.6～73.4	0.8	Aplitic rock			○			
728	7A0728	MJKA-11	73.4～74.4	1.0	Granodiorite			○			
729	7A0729	MJKA-11	74.4～75.4	1.0	Granodiorite			○			
730	7A0730	MJKA-11	75.4～76.4	1.0	Granodiorite			○			
731	7A0731	MJKA-11	76.4～78.0	1.6	Granodiorite			○			
732	7A0732	MJKA-11	78.0～79.0	1.0	Px skarn & chlorite px sk rock			○			
733	7A0733	MJKA-11	79.0～80.0	1.0	Pyroxene skarn	○	○	○			78.5m(P),78.6m(T)
734	7A0734	MJKA-11	80.0～81.0	1.0	Chlorite px sk rock			○			
735	7A0735	MJKA-11	81.0～82.0	1.0	Chlorite px sk rock			○			
736	7A0736	MJKA-11	82.0～82.8	0.8	Chlorite px sk rock			○			
737	7A0737	MJKA-11	86.0～87.0	1.0	Granodiorite			○			
738	7A0738	MJKA-11	87.0～88.0	1.0	Granodiorite			○			
739	7A0739	MJKA-11	88.0～89.0	1.0	Granodiorite			○			
740	7A0740	MJKA-11	89.0～90.0	1.0	Granodiorite			○			
741	7A0741	MJKA-11	90.0～91.0	1.0	Granodiorite			○			
742	7A0742	MJKA-11	91.0～92.0	1.0	Granodiorite			○			
743	7A0743	MJKA-11	92.0～93.0	1.0	Granodiorite			○			
744	7A0744	MJKA-11	93.0～94.1	1.1	Granodiorite			○			
745	7A0745	MJKA-11	97.1～98.1	1.0	Limonitizated aplite			○			
746	7A0746	MJKA-11	98.1～99.1	1.0	Limonitizated aplite			○			
747	7A0747	MJKA-11	99.1～100.2	1.1	Limonitizated aplite			○			
748	7A0748	MJKA-11	100.2～101.2	1.0	Limonitizated granodiorite			○			
749	7A0749	MJKA-11	101.2～102.2	1.0	Limonitizated granodiorite			○			
750	7A0750	MJKA-11	102.2～103.2	1.0	Limonitizated granodiorite			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (31)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
751	7A0751	MJKA-11	103.2～104.2	1.0	Limonitizated granodiorite			○			
752	7A0752	MJKA-11	104.2～105.5	1.3	Limonitizated granodiorite			○			
753	7A0753	MJKA-11	105.5～105.8	0.3	Aplite			○			
754	7A0754	MJKA-11	105.8～106.8	1.0	Limonitizated granodiorite			○			
755	7A0755	MJKA-11	106.8～107.8	1.0	Limonitizated granodiorite			○			
756	7A0756	MJKA-11	107.8～108.8	1.0	Limonitizated granodiorite			○			
757	7A0757	MJKA-11	108.8～109.8	1.0	Limonitizated granodiorite			○			
758	7A0758	MJKA-11	109.8～110.8	1.0	Limonitizated granodiorite			○			
759	7A0759	MJKA-11	110.8～111.8	1.0	Limonitizated granodiorite			○			
760	7A0760	MJKA-11	111.8～112.8	1.0	Limonitizated granodiorite			○			
761	7A0761	MJKA-11	112.8～113.8	1.0	Limonitizated granodiorite			○			
762	7A0762	MJKA-11	113.8～114.8	1.0	Limonitizated granodiorite			○			
763	7A0763	MJKA-11	114.8～115.8	1.0	Limonitizated granodiorite			○			
764	7A0764	MJKA-11	115.8～116.8	1.0	Limonitizated granodiorite			○			
765	7A0765	MJKA-11	116.8～117.8	1.0	Limonitizated granodiorite			○			
766	7A0766	MJKA-11	117.8～118.8	1.0	Limonitizated granodiorite			○			
767	7A0767	MJKA-11	118.8～119.8	1.0	Limonitizated granodiorite			○			
768	7A0768	MJKA-11	119.8～120.8	1.0	Limonitizated granodiorite			○			
769	7A0769	MJKA-11	120.8～121.8	1.0	Limonitizated granodiorite			○			
770	7A0770	MJKA-11	121.8～122.8	1.0	Limonitizated granodiorite			○			
771	7A0771	MJKA-11	122.8～123.8	1.0	Limonitizated granodiorite			○			
772	7A0772	MJKA-7	184.0～185.1	1.1	White altered aplite			○			
773	7A0773	MJKA-7	185.1～186.1	1.0	Porphyrite			○			
774	7A0774	MJKA-7	186.1～187.2	1.1	Porphyrite			○			
775	7A0775	MJKA-7	187.2～188.2	1.0	Aplite			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (32)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
776	7A0776	MJKA-7	188.2～189.2	1.0	Limonitizated granodiorite			○			
777	7A0777	MJKA-7	189.2～190.2	1.0	Limonitizated granodiorite			○			
778	7A0778	MJKA-7	190.2～191.2	1.0	Limonitizated granodiorite			○			
779	7A0779	MJKA-7	191.2～192.7	1.5	Limonitizated granodiorite			○			
780	7A0780	MJKA-7	192.7～193.7	1.0	Granodiorite			○			
781	7A0781	MJKA-7	193.7～194.7	1.0	Granodiorite			○			
782	7A0782	MJKA-7	194.7～195.7	1.0	Granodiorite			○			
783	7A0783	MJKA-7	195.7～196.7	1.0	Granodiorite			○			
784	7A0784	MJKA-7	196.7～197.7	1.0	Granodiorite			○			
785	7A0785	MJKA-7	197.7～198.7	1.0	Granodiorite			○			
786	7A0786	MJKA-7	198.7～199.9	1.2	Granodiorite			○			
787	7A0787	MJKA-7	199.9～201.4	1.5	Altered lamprophyre	○		○			200.6m(T)
788	7A0788	MJKA-7	201.4～202.4	1.0	Granodiorite			○			
789	7A0789	MJKA-7	202.4～203.4	1.0	Granodiorite			○			
790	7A0790	MJKA-7	203.4～204.4	1.0	Granodiorite			○			
791	7A0791	MJKA-7	213.5	0.1	Clay in shear				○		213.5m(X)
792	7A0792	MJKA-11	82.8～86.0	3.2	Olive sticky clay with granodio. pebble			○	○		85.5m(X)
793	7A0793	MJKA-11	94.1～97.1	3.0	Ochre yellow sticky clay with granodio. pebbles			○	○		96.2m(X)
794	7A0794	MJKA-4	12.6～13.6	1.0	Limonitizated altered rock			○	○		13.5m(X)
795	7A0795	MJKA-4	13.6～15.0	1.4	Limonitizated altered rock			○			
796	7A0796	MJKA-4	15.0～15.9	0.9	Quartz pyroxene skarn			○			
797	7A0797	MJKA-4	15.9～16.3	0.4	Limonitizated brecciated zone			○			
798	7A0798	MJKA-4	16.3～17.5	1.2	Quartz pyroxene skarn			○			
799	7A0799	MJKA-4	17.5～17.8	0.3	Limonitizated altered rock			○			
800	7A0800	MJKA-4	17.8～18.2	0.4	Pyroxene wollastonite skarn			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (33)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
801	7A0801	MJKA-4	18.2～19.2	1.0	Quartz pyroxene skarn			○			
802	7A0802	MJKA-4	19.2～20.0	0.8	Quartz pyroxene skarn			○			
803	7A0803	MJKA-4	20.0～20.6	0.6	Limonitizated aplite			○			
804	7A0804	MJKA-4	20.6～21.6	1.0	Quartz pyroxene skarn			○			
805	7A0805	MJKA-4	21.6～22.6	1.0	Quartz pyroxene skarn			○			
806	7A0806	MJKA-4	22.6～23.3	0.7	Quartz pyroxene skarn			○			
807	7A0807	MJKA-4	23.3～24.3	1.0	Limonitizated aplite			○			
808	7A0808	MJKA-4	24.3～24.8	0.5	Limonitizated aplite			○			
809	7A0809	MJKA-4	24.8～25.8	1.0	Quartz pyroxene skarn			○			
810	7A0810	MJKA-4	25.8～26.8	1.0	Quartz pyroxene skarn			○			
811	7A0811	MJKA-4	26.8～27.8	1.0	Quartz pyroxene skarn			○			
812	7A0812	MJKA-4	27.8～28.8	1.0	Quartz pyroxene skarn			○			
813	7A0813	MJKA-4	28.8～29.8	1.0	Quartz pyroxene skarn			○			
814	7A0814	MJKA-4	29.8～30.8	1.0	Quartz pyroxene skarn			○			
815	7A0815	MJKA-4	30.8～31.8	1.0	Quartz pyroxene skarn			○			
816	7A0816	MJKA-4	31.8～32.8	1.0	Quartz pyroxene skarn			○			
817	7A0817	MJKA-4	32.8～33.8	1.0	Quartz pyroxene skarn			○			
818	7A0818	MJKA-4	33.8～34.8	1.0	Quartz pyroxene skarn			○			
819	7A0819	MJKA-4	34.8～35.8	1.0	Quartz pyroxene skarn			○			
820	7A0820	MJKA-4	35.8～36.8	1.0	Quartz pyroxene skarn			○			
821	7A0821	MJKA-4	36.8～38.2	1.4	Quartz pyroxene skarn			○			
822	7A0822	MJKA-4	38.2～38.6	0.4	Limonite chlorite carbonate altered rock			○			
823	7A0823	MJKA-4	38.6～39.6	1.0	Quartz pyroxene skarn			○			
824	7A0824	MJKA-4	39.6～40.6	1.0	Pyroxene skarn			○			
825	7A0825	MJKA-4	40.6～41.6	1.0	Pyroxene skarn			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (34)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
826	7A0826	MJKA-4	41.6～42.6	1.0	Pyroxene skarn			○			
827	7A0827	MJKA-4	42.6～43.6	1.0	Quartz pyroxene skarn			○			
828	7A0828	MJKA-4	43.6～44.6	1.0	Quartz pyroxene skarn			○			
829	7A0829	MJKA-4	44.6～45.6	1.0	Quartz pyroxene skarn			○			
830	7A0830	MJKA-4	45.6～46.6	1.0	Quartz pyroxene skarn			○			
831	7A0831	MJKA-4	46.6～47.75	1.15	Quartz pyroxene skarn			○			
832	7A0832	MJKA-4	47.75～48.0	0.25	Granodiorite porphyry			○			
833	7A0833	MJKA-4	48.0～48.6	0.6	Quartz pyroxene skarn			○			
834	7A0834	MJKA-4	48.6～49.4	0.8	Brecciated pyrite quartz zone		○	○			79.0m(P)
835	7A0835	MJKA-4	49.4～50.4	1.0	Quartz pyroxene skarn			○			
836	7A0836	MJKA-4	50.4～51.8	1.4	Quartz pyroxene skarn	○		○			50.6m(T)
837	7A0837	MJKA-4	51.8～52.8	1.0	Granodiorite			○			
838	7A0838	MJKA-4	52.8～53.8	1.0	Granodiorite			○			
839	7A0839	MJKA-4	53.8～54.8	1.0	Granodiorite			○			
840	7A0840	MJKA-13	0.25～1.0	0.75	Qtz px wo skarn and granodiorite			○			
841	7A0841	MJKA-13	1.0～2.0	1.0	Qtz px wo skarn			○			
842	7A0842	MJKA-13	2.0～3.0	1.0	Qtz px wo skarn			○			
843	7A0843	MJKA-13	3.0～4.0	1.0	Qtz px wo skarn			○			
844	7A0844	MJKA-13	4.0～5.0	1.0	Qtz px wo skarn			○			
845	7A0845	MJKA-13	5.0～6.0	1.0	Qtz px wo skarn			○			
846	7A0846	MJKA-13	6.0～7.0	1.0	Qtz px wo skarn			○			
847	7A0847	MJKA-13	7.0～8.2	1.2	Qtz px wo skarn			○			
848	7A0848	MJKA-13	8.2～9.1	0.9	Pyroxene skarn			○			
849	7A0849	MJKA-13	9.1～10.1	1.0	Px wo skarn			○			
850	7A0850	MJKA-13	10.1～11.1	1.0	Px wo skarn			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (35)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
851	7A0851	MJKA-11	123.8～124.8	1.0	Limonitizated granodiorite			○			
852	7A0852	MJKA-11	124.8～125.8	1.0	Limonitizated granodiorite			○			
853	7A0853	MJKA-11	125.8～126.8	1.0	Limonitizated granodiorite			○			
854	7A0854	MJKA-11	126.8～127.8	1.0	Limonitizated granodiorite			○			
855	7A0855	MJKA-11	127.8～128.8	1.0	Limonitizated granodiorite			○			
856	7A0856	MJKA-11	128.8～129.8	1.0	Limonitizated granodiorite			○			
857	7A0857	MJKA-11	129.8～130.8	1.0	Limonitizated granodiorite			○			
858	7A0858	MJKA-11	130.8～131.8	1.0	Limonitizated granodiorite			○			
859	7A0859	MJKA-11	131.8～132.8	1.0	Limonitizated granodiorite			○			
860	7A0860	MJKA-11	132.8～133.8	1.0	Limonitizated granodiorite			○			
861	7A0861	MJKA-11	133.8～134.8	1.0	Limonitizated granodiorite			○			
862	7A0862	MJKA-11	134.8～135.8	1.0	Limonitizated granodiorite			○			
863	7A0863	MJKA-11	135.8～136.8	1.0	Limonitizated granodiorite			○			
864	7A0864	MJKA-11	136.8～137.8	1.0	Limonitizated granodiorite			○			
865	7A0865	MJKA-11	137.8～138.8	1.0	Limonitizated granodiorite			○			
866	7A0866	MJKA-11	138.8～139.8	1.0	Limonitizated granodiorite			○			
867	7A0867	MJKA-11	139.8～140.8	1.0	Limonitizated granodiorite			○			
868	7A0868	MJKA-11	140.8～141.8	1.0	Limonitizated granodiorite			○			
869	7A0869	MJKA-11	141.8～142.8	1.0	Limonitizated granodiorite			○			
870	7A0870	MJKA-11	142.8～143.8	1.0	Limonitizated granodiorite			○			
871	7A0871	MJKA-11	143.8～144.8	1.0	Limonitizated granodiorite			○			
872	7A0872	MJKA-11	144.8～145.8	1.0	Limonitizated granodiorite			○			
873	7A0873	MJKA-11	145.8～146.8	1.0	Limonitizated granodiorite			○			
874	7A0874	MJKA-11	146.8～147.8	1.0	Limonitizated granodiorite			○			
875	7A0875	MJKA-11	147.8～148.8	1.0	Limonitizated granodiorite			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (36)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
876	7A0876	MJKA-11	148.8～149.8	1.0	Limonitizated granodiorite			○			
877	7A0877	MJKA-11	149.8～150.8	1.0	Limonitizated granodiorite			○			
878	7A0878	MJKA-11	150.8～151.8	1.0	Limonitizated granodiorite			○			
879	7A0879	MJKA-11	151.8～152.8	1.0	Limonitizated granodiorite			○			
880	7A0880	MJKA-11	152.8～153.8	1.0	Limonitizated granodiorite			○			
881	7A0881	MJKA-11	153.8～154.8	1.0	Limonitizated granodiorite			○			
882	7A0882	MJKA-11	154.8～155.5	0.7	Limonitizated granodiorite			○			
883	7A0883	MJKA-13	20.9～21.9	1.0	Limonite carbonate rock			○	○		21.8m(X)
884	7A0884	MJKA-4	54.8～55.8	1.0	Granodiorite			○			
885	7A0885	MJKA-4	55.8～56.8	1.0	Granodiorite including px skarn			○			
886	7A0886	MJKA-4	56.8～57.8	1.0	Granodiorite including px skarn			○			
887	7A0887	MJKA-4	57.8～58.8	1.0	Granodiorite			○			
888	7A0888	MJKA-4	58.8～59.8	1.0	Granodiorite			○			
889	7A0889	MJKA-4	59.8～60.8	1.0	Granodiorite			○			
89	7A0890	MJKA-4	60.8～61.8	1.0	Granodiorite			○			
891	7A0891	MJKA-4	61.8～62.8	1.0	Granodiorite			○			
892	7A0892	MJKA-4	62.8～63.8	1.0	Granodiorite			○			
893	7A0893	MJKA-4	63.8～64.8	1.0	Granodiorite			○			
894	7A0894	MJKA-4	64.8～65.8	1.0	Pyroxene skarn			○			
895	7A0895	MJKA-4	65.8～66.8	1.0	Granodiorite			○			
896	7A0896	MJKA-4	66.8～67.8	1.0	Granodiorite			○			
897	7A0897	MJKA-4	67.8～68.8	1.0	Granodiorite			○			
898	7A0898	MJKA-4	68.8～69.6	0.8	Granodiorite			○			
899	7A0899	MJKA-4	69.6～70.8	1.2	Pyroxene skarn			○			
900	7A0900	MJKA-4	70.8～71.4	0.6	Lamprophyre			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (37)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
901	7A0901	MJKA-4	71.4～72.2	0.8	Pyroxene skarn			○			
902	7A0902	MJKA-4	72.2～73.2	1.0	Quartz pyroxene skarn			○			
903	7A0903	MJKA-4	73.2～74.2	1.0	Quartz pyroxene skarn			○			
904	7A0904	MJKA-4	74.2～75.2	1.0	Quartz pyroxene skarn			○			
905	7A0905	MJKA-4	75.2～76.2	1.0	Quartz pyroxene skarn			○			
906	7A0906	MJKA-4	76.2～77.2	1.0	Quartz pyroxene skarn			○			
907	7A0907	MJKA-4	77.2～78.2	1.0	Quartz pyroxene skarn			○			
908	7A0908	MJKA-4	78.2～79.2	1.0	Quartz pyroxene skarn			○			
909	7A0909	MJKA-4	79.2～79.9	0.3	Limonite quartz altered rock			○			
910	7A0910	MJKA-4	79.9～81.1	1.2	Chlorite quartz altered rock			○			
911	7A0911	MJKA-4	81.1～82.5	1.4	Pyroxene quartz wollastonite skarn			○			
912	7A0912	MJKA-4	82.5～83.5	1.0	Limonite quartz altered rock			○			
913	7A0913	MJKA-4	83.5～84.5	1.0	Limonite quartz altered rock			○			
914	7A0914	MJKA-4	84.5～85.5	1.0	Limonite quartz altered rock			○			
915	7A0915	MJKA-4	85.5～86.6	1.1	Limonite quartz altered rock			○			
916	7A0916	MJKA-4	86.6～87.8	1.2	Pyroxene skarn			○			
917	7A0917	MJKA-4	87.8～88.8	1.0	Limo. qtz px skarn			○			
918	7A0918	MJKA-4	88.8～89.8	1.0	Limo. qtz px skarn			○			
919	7A0919	MJKA-4	89.8～90.8	1.0	Limo. qtz px skarn			○			
920	7A0920	MJKA-4	90.8～91.8	1.0	Limo. qtz px skarn			○			
921	7A0921	MJKA-4	91.8～92.8	1.0	Limo. qtz px skarn			○			
922	7A0922	MJKA-4	92.8～93.8	1.0	Limo. qtz px skarn			○			
923	7A0923	MJKA-4	93.8～94.8	1.0	Limo. qtz px skarn			○			
924	7A0924	MJKA-4	94.8～95.8	1.0	Limo. qtz px skarn			○			
925	7A0925	MJKA-4	95.8～96.5	0.7	Limo. qtz px skarn			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (38)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
926	7A0926	MJKA-4	96.5～97.3	0.8	Granodiorite			○			
927	7A0927	MJKA-4	97.3～98.0	0.7	Quartz pyoxene skarn			○			
928	7A0928	MJKA-4	98.0～99.0	1.0	Granodiorite			○			
929	7A0929	MJKA-4	99.0～100.0	1.0	Granodiorite			○			
930	7A0930	MJKA-4	100.0～101.0	1.0	Granodiorite			○			
931	7A0931	MJKA-4	101.0～102.0	1.0	Granodiorite			○			
932	7A0932	MJKA-4	102.0～103.5	1.5	Granodiorite			○			
933	7A0933	MJKA-4	103.5～104.9	1.4	Pyroxene skarn			○			
934	7A0934	MJKA-4	104.9～105.9	1.0	Granodiorite			○			
935	7A0935	MJKA-4	105.9～106.9	1.0	Granodiorite			○			
936	7A0936	MJKA-4	106.9～107.9	1.0	Granodiorite			○			
937	7A0937	MJKA-4	107.9～109.0	1.1	Granodiorite			○			
938	7A0938	MJKA-4	109.0～110.0	1.0	Pyroxene skarn			○			
939	7A0939	MJKA-4	110.0～111.4	1.4	Pyroxene skarn			○			
940	7A0940	MJKA-4	111.4～112.4	1.0	Pyroxene quartz skarn			○			
941	7A0941	MJKA-4	112.4～113.4	1.0	Pyroxene quartz skarn			○			
942	7A0942	MJKA-4	113.4～114.4	1.0	Pyroxene quartz skarn			○			
943	7A0943	MJKA-4	114.4～115.4	1.0	Pyroxene quartz skarn			○			
944	7A0944	MJKA-4	115.4～116.4	1.0	Pyroxene quartz skarn			○			
945	7A0945	MJKA-4	116.4～117.4	1.0	Pyroxene quartz skarn			○			
946	7A0946	MJKA-4	117.4～118.4	1.0	Pyroxene quartz skarn			○			
947	7A0947	MJKA-4	118.4～119.4	1.0	Pyroxene quartz skarn			○			
948	7A0948	MJKA-4	119.4～120.5	1.1	Pyroxene quartz skarn			○			
949	7A0949	MJKA-4	120.5～120.9	0.4	Granodiorite			○			
950	7A0950	MJKA-4	120.9～122.0	1.1	Epidote sk with mal, asp & ep px qtz sk			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (39)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
951	7A0951	MJKA-4	122.0～123.0	1.0	Epidote quartz pyroxene skarn			○			
952	7A0952	MJKA-4	123.0～124.5	1.5	Epidote quartz pyroxene skarn			○			
953	7A0953	MJKA-4	124.5～125.4	0.9	Pyroxene skarn			○			
954	7A0954	MJKA-4	125.4～126.4	1.0	Pyroxene wollastonite quartz skarn			○			
955	7A0955	MJKA-4	126.4～127.1	0.7	Pyroxene wollastonite quartz skarn			○			
956	7A0956	MJKA-4	127.1～127.6	0.5	Quartz asenopyrite ore			○			
957	7A0957	MJKA-4	127.6～128.6	1.0	Pyroxene quartz skarn			○			
958	7A0958	MJKA-4	128.6～129.6	1.0	Pyroxene quartz skarn			○			
959	7A0959	MJKA-4	129.6～130.8	1.2	Pyroxene quartz skarn			○			
960	7A0960	MJKA-4	130.8～131.8	1.0	Chlorite pyroxene skarn			○			
961	7A0961	MJKA-4	131.8～133.0	1.2	Chlorite pyroxene skarn			○			
962	7A0962	MJKA-4	133.0～134.0	1.0	Chloritizated aplite			○			
963	7A0963	MJKA-4	134.0～135.3	1.3	Chloritizated aplite			○			
964	7A0964	MJKA-4	135.3～136.2	0.9	Pyroxene quartz skarn			○			
965	7A0965	MJKA-4	136.2～136.7	0.5	Granodiorite			○			
966	7A0966	MJKA-4	136.7～137.5	0.8	Chloritizated aplite			○			
967	7A0967	MJKA-4	137.5～138.5	1.0	Pyroxene wollastonite quartz skarn			○			
968	7A0968	MJKA-13	11.1～12.1	1.0	Pyroxene wollastonite skarn			○			
969	7A0969	MJKA-13	12.1～13.5	1.4	Pyroxene wollastonite skarn			○			
970	7A0970	MJKA-13	13.5～14.5	1.0	Granodiorite			○			
971	7A0971	MJKA-13	14.5～15.5	1.0	Granodiorite			○			
972	7A0972	MJKA-13	15.5～17.0	1.5	Granodiorite			○			
973	7A0973	MJKA-13	17.0～17.9	0.9	Px skarn & px garnet wo skarn			○			
974	7A0974	MJKA-13	17.9～18.9	1.0	Garnet pyroxene skarn			○			
975	7A0975	MJKA-13	18.9～19.9	1.0	Garnet pyroxene skarn			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (40)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
976	7A0976	MJKA-13	19.9～20.9	1.0	Garnet pyroxene skarn			○			
977	7A0977	MJKA-13	21.9～22.6	0.7	Quartz cal v & skarnized rock			○			
978	7A0978	MJKA-13	22.6～23.6	1.0	Granodiorite			○			
979	7A0979	MJKA-13	23.6～24.6	1.0	Granodiorite			○			
980	7A0980	MJKA-13	24.6～25.6	1.0	Granodiorite			○			
981	7A0981	MJKA-13	25.6～26.6	1.0	Granodiorite			○			
982	7A0982	MJKA-13	26.6～27.6	1.0	Granodiorite			○			
983	7A0983	MJKA-13	27.6～28.6	1.0	Granodiorite			○			
984	7A0984	MJKA-13	28.6～29.2	0.6	Granodiorite			○			
985	7A0985	MJKA-13	29.2～30.2	1.0	Aplite			○			
986	7A0986	MJKA-13	30.2～31.2	1.0	Aplite			○			
987	7A0987	MJKA-13	31.2～32.2	1.0	Pyroxene skarn			○			
988	7A0988	MJKA-13	32.2～33.2	1.0	Pyroxene skarn			○			
989	7A0989	MJKA-13	33.2～33.8	0.6	Pyroxene skarn			○			
990	7A0990	MJKA-13	33.8～34.7	0.9	Garnet pyroxene skarn			○			
991	7A0991	MJKA-13	34.7～35.7	1.0	Pyroxene skarn			○			
992	7A0992	MJKA-13	35.7～36.7	1.0	Pyroxene skarn			○			
993	7A0993	MJKA-13	36.7～37.7	1.0	Pyroxene skarn			○			
994	7A0994	MJKA-13	37.7～38.7	1.0	Pyroxene skarn			○			
995	7A0995	MJKA-13	38.7～39.4	0.7	Pyroxene skarn			○			
996	7A0996	MJKA-13	39.4～40.4	1.0	Pyroxene skarnized granodiorite			○			
997	7A0997	MJKA-13	40.4～41.8	1.4	Granodiorite			○			
998	7A0998	MJKA-13	41.8～42.9	1.1	Pyroxene skarnized granodiorite			○			
999	7A0999	MJKA-13	42.9～43.9	1.0	Pyroxene skarn with malachite imp.			○			
1000	7A1000	MJKA-13	43.9～44.9	1.0	Pyroxene skarn			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (41)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
1001	7A1001	MJKA-13	44.9～46.1	1.2	Pyroxene skarn			○			
1002	7A1002	MJKA-13	46.1～47.0	1.0	Granodiorite			○			
1003	7A1003	MJKA-13	47.0～48.0	1.0	Limonitizated altered rock & px skarn			○			
1004	7A1004	MJKA-13	48.0～48.8	0.8	Limonitizated altered rock			○			
1005	7A1005	MJKA-13	48.8～49.8	1.0	Limonitizated granodiorite			○			
1006	7A1006	MJKA-13	49.8～50.8	1.0	Limonitizated granodiorite			○			
1007	7A1007	MJKA-13	50.8～51.6	1.0	Limonitizated granodiorite			○			
1009	7A1008	MJKA-13	51.6～52.6	1.0	Granodiorite			○			
1009	7A1009	MJKA-13	52.6～53.6	1.0	Granodiorite			○			
1010	7A1010	MJKA-13	53.6～54.6	1.0	Granodiorite			○			
1011	7A1011	MJKA-13	54.6～55.6	1.0	Granodiorite			○			
1012	7A1012	MJKA-13	55.6～56.6	1.0	Granodiorite			○			
1013	7A1013	MJKA-13	56.6～57.6	1.0	Granodiorite			○			
1014	7A1014	MJKA-13	57.6～58.6	1.0	Granodiorite			○			
1015	7A1015	MJKA-13	58.6～59.6	1.0	Granodiorite			○			
1016	7A1016	MJKA-13	59.6～60.6	1.0	Granodiorite			○			
1017	7A1017	MJKA-13	60.6～61.6	1.0	Granodiorite			○			
1018	7A1018	MJKA-13	61.6～62.6	1.0	Granodiorite			○			
1019	7A1019	MJKA-13	62.6～63.6	1.0	Granodiorite			○			
1020	7A1020	MJKA-13	63.6～64.6	1.0	Granodiorite			○			
1021	7A1021	MJKA-13	64.6～65.6	1.0	Granodiorite			○			
1022	7A1022	MJKA-13	65.6～66.6	1.0	Granodiorite			○			
1023	7A1023	MJKA-13	66.6～67.6	1.0	Granodiorite			○			
1024	7A1024	MJKA-13	67.6～68.6	1.0	Granodiorite			○			
1025	7A1025	MJKA-13	68.6～69.6	1.0	Granodiorite			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (42)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
1026	7A1026	MJKA-13	69.6～70.4	0.8	Granodiorite			○			
1027	7A1027	MJKA-13	70.4～71.1	0.7	Lamprophyre			○			
1028	7A1028	MJKA-13	71.1～72.1	1.0	Granodiorite			○			
1029	7A1029	MJKA-13	72.1～73.1	1.0	Granodiorite			○			
1030	7A1030	MJKA-13	73.1～74.1	1.0	Granodiorite			○			
1031	7A1031	MJKA-13	74.1～75.1	1.0	Granodiorite			○			
1032	7A1032	MJKA-13	75.1～76.1	1.0	Granodiorite			○			
1033	7A1033	MJKA-13	76.1～77.1	1.0	Granodiorite			○			
1034	7A1034	MJKA-13	77.1～78.1	1.0	Granodiorite			○			
1035	7A1035	MJKA-13	78.1～79.1	1.0	Granodiorite			○			
1036	7A1036	MJKA-13	79.1～80.1	1.0	Granodiorite			○			
1037	7A1037	MJKA-13	80.1～81.1	1.0	Granodiorite			○			
1038	7A1038	MJKA-13	81.1～82.1	1.0	Granodiorite			○			
1039	7A1039	MJKA-13	82.1～83.1	1.0	Granodiorite			○			
1040	7A1040	MJKA-13	83.1～84.1	1.0	Granodiorite			○			
1041	7A1041	MJKA-13	84.1～84.5	0.4	Lamprophyre			○			
1042	7A1042	MJKA-13	84.5～85.5	1.0	Granodiorite			○			
1043	7A1043	MJKA-13	85.5～86.5	1.0	Granodiorite			○			
1044	7A1044	MJKA-13	86.5～87.5	1.0	Granodiorite			○			
1045	7A1045	MJKA-13	87.5～88.5	1.0	Granodiorite			○			
1046	7A1046	MJKA-13	88.5～89.2	0.7	Granodiorite			○			
1047	7A1047	MJKA-13	89.2～90.2	1.0	Limonitizated altered rock			○			
1048	7A1048	MJKA-13	90.2～91.2	1.0	Limonitizated altered rock			○			
1049	7A1049	MJKA-13	91.2～92.2	1.0	Limonitizated altered rock			○			
1050	7A1050	MJKA-13	92.2～93.2	1.0	Limonitizated altered rock			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (43)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
1051	7A1051	MJKA-13	93.2～94.2	1.0	Limonitizated altered rock			○			
1052	7A1052	MJKA-13	94.2～95.2	1.0	Limonitizated altered rock			○			
1053	7A1053	MJKA-13	95.2～96.2	1.0	Limonitizated altered rock			○			
1054	7A1054	MJKA-13	96.2～97.2	1.0	Limonitizated altered rock			○			
1055	7A1055	MJKA-13	97.2～98.2	1.0	Limonitizated altered rock			○			
1056	7A1056	MJKA-13	98.2～98.8	0.6	Limonitizated altered rock			○			
1057	7A1057	MJKA-13	98.8～99.2	0.4	Aplite			○			
1058	7A1058	MJKA-13	99.2～100.2	1.0	Limonitizated granodiorite			○			
1059	7A1059	MJKA-13	100.2～101.2	1.0	Limonitizated granodiorite			○			
1060	7A1060	MJKA-13	101.2～102.6	1.4	Limonitizated granodiorite			○			
1061	7A1061	MJKA-13	102.6～104.0	1.4	Chloritizated aplite			○			
1062	7A1062	MJKA-13	104.0～105.0	1.0	Limonitizated granodiorite			○			
1063	7A1063	MJKA-13	105.0～106.0	1.0	Limonitizated granodiorite			○			
1064	7A1064	MJKA-13	106.0～107.0	1.0	Limonitizated granodiorite			○			
1065	7A1065	MJKA-13	107.0～108.4	0.5	Lamprophyre			○			
1066	7A1066	MJKA-13	108.4～109.4	1.0	Limonitizated aplite			○			
1067	7A1067	MJKA-13	109.4～110.4	1.0	Limonitizated aplite			○			
1068	7A1068	MJKA-13	110.4～112.0	1.6	Limonitizated aplite			○			
1069	7A1069	MJKA-13	112.0～113.0	1.0	Limonitizated granodiorite			○			
1070	7A1070	MJKA-13	113.0～114.0	1.0	Limonitizated granodiorite			○			
1071	7A1071	MJKA-13	114.0～115.0	1.0	Limonitizated granodiorite			○			
1072	7A1072	MJKA-13	115.0～116.0	1.0	Limonitizated granodiorite			○			
1073	7A1073	MJKA-13	116.0～117.0	1.0	Limonitizated granodiorite			○			
1074	7A1074	MJKA-13	117.0～117.7	0.7	Limonitizated granodiorite			○			
1075	7A1075	MJKA-13	117.7～118.7	1.0	Limonitizated lamprophyre			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (44)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
1076	7A1076	MJKA-13	118.7～119.7	1.0	Limonitizated lamprophyre			○			
1077	7A1077	MJKA-13	119.7～120.7	1.0	Limonitizated lamprophyre			○			
1078	7A1078	MJKA-13	120.7～121.7	1.0	Limonitizated lamprophyre			○			
1079	7A1079	MJKA-13	121.7～122.7	1.0	Limonitizated lamprophyre			○			
1080	7A1080	MJKA-13	122.7～123.9	1.2	Limonitizated lamprophyre			○			
1081	7A1081	MJKA-13	123.9～124.8	0.9	Limonitizated granodiorite			○			
1082	7A1082	MJKA-13	124.8～125.8	1.0	Limonitizated aplite			○			
1083	7A1083	MJKA-13	125.8～126.8	1.0	Limonitizated aplite			○			
1084	7A1084	MJKA-13	126.8～127.8	1.0	Limonitizated aplite			○			
1085	7A1085	MJKA-13	127.8～128.8	1.0	Limonitizated aplite			○			
1086	7A1086	MJKA-13	128.8～129.8	1.0	Limonitizated aplite			○			
1087	7A1087	MJKA-13	129.8～130.8	1.0	Limonitizated aplite			○			
1088	7A1088	MJKA-13	130.8～131.8	1.0	Limonitizated aplite			○			
1089	7A1089	MJKA-13	131.8～132.8	1.0	Limonitizated aplite			○			
1090	7A1090	MJKA-13	132.8～134.0	1.2	Limonitizated aplite			○			
1091	7A1091	MJKA-13	134.0～134.7	0.7	Lamprophyre			○			
1092	7A1092	MJKA-13	134.7～135.7	1.0	Limonitizated aplite			○			
1093	7A1093	MJKA-13	135.7～136.7	1.0	Limonitizated aplite			○			
1094	7A1094	MJKA-13	136.7～137.7	1.0	Limonitizated aplite			○			
1095	7A1095	MJKA-13	137.7～138.7	1.0	Limonitizated aplite			○			
1096	7A1096	MJKA-13	138.7～139.7	1.0	Limonitizated aplite			○			
1097	7A1097	MJKA-13	139.7～140.7	1.0	Limonitizated aplite			○			
1098	7A1098	MJKA-13	140.7～141.7	1.0	Limonitizated aplite			○			
1099	7A1099	MJKA-13	141.7～142.7	1.0	Limonitizated aplite			○			
1100	7A1100	MJKA-13	142.7～143.7	1.0	Limonitizated aplite			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (45)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
1101	7A1101	MJKA-13	143.7～144.4	0.7	Limonitizated granodiorite			○			
1102	7A1102	MJKA-4	138.5～139.5	1.0	Pyroxene wollastonite quartz skarn			○			
1103	7A1103	MJKA-4	139.5～140.5	1.0	Pyroxene wollastonite quartz skarn			○			
1104	7A1104	MJKA-4	140.5～141.5	1.0	Pyroxene wollastonite quartz skarn			○			
1105	7A1105	MJKA-4	141.5～142.5	1.0	Pyroxene wollastonite quartz skarn			○			
1106	7A1106	MJKA-4	142.5～143.7	1.2	Pyroxene wollastonite quartz skarn			○			
1107	7A1107	MJKA-4	143.7～144.7	1.0	Limonitizated granodiorite			○			
1108	7A1108	MJKA-4	144.7～145.7	1.0	Chloritizated granodiorite			○			
1109	7A1109	MJKA-4	145.7～146.7	1.0	Chloritizated granodiorite			○			
1110	7A1110	MJKA-4	146.7～147.7	1.0	Chloritizated granodiorite			○			
1111	7A1111	MJKA-4	147.7～148.7	1.0	Chloritizated granodiorite			○			
1112	7A1112	MJKA-4	148.7～149.7	1.0	Chloritizated granodiorite			○			
1113	7A1113	MJKA-4	149.7～150.7	1.0	Chloritizated granodiorite			○			
1114	7A1114	MJKA-4	150.7～151.9	1.0	Aplite			○			
1115	7A1115	MJKA-4	151.9～152.7	0.8	Chloritizated granodiorite			○			
1116	7A1116	MJKA-4	152.7～153.7	1.0	Silicified pyroxene wollastonite skarn			○			
1117	7A1117	MJKA-4	153.7～155.0	1.3	Silicified pyroxene wollastonite skarn			○			
1118	7A1118	MJKA-4	155.0～155.5	0.5	Limo. silicified px wo skarn			○			
1119	7A1119	MJKA-4	155.5～156.0	0.5	Chloritizated lamprophyre			○			
1120	7A1120	MJKA-4	156.0～157.0	1.0	Silicified pyroxene wollastonite skarn			○			
1121	7A1121	MJKA-4	157.0～158.0	1.0	Silicified pyroxene wollastonite skarn			○			
1122	7A1122	MJKA-4	158.0～159.0	1.0	Silicified pyroxene wollastonite skarn			○			
1123	7A1123	MJKA-4	159.0～160.0	1.0	Silicified pyroxene wollastonite skarn			○			
1124	7A1124	MJKA-4	160.0～161.0	1.0	Silicified pyroxene wollastonite skarn			○			
1125	7A1125	MJKA-4	161.0～162.3	1.3	Silicified pyroxene wollastonite skarn			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (46)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
1126	7A1126	MJKA-13	144.8～145.8	1.0	Limonitizated granodiorite			○			
1127	7A1127	MJKA-13	145.8～146.8	1.0	Limonitizated granodiorite			○			
1128	7A1128	MJKA-13	146.8～147.8	1.0	Limonitizated granodiorite			○			
1129	7A1129	MJKA-13	147.8～148.8	1.0	Limonitizated granodiorite			○			
1130	7A1130	MJKA-13	148.8～149.8	1.0	Limonitizated granodiorite			○			
1131	7A1131	MJKA-13	149.8～150.8	1.0	Limonitizated granodiorite			○			
1132	7A1132	MJKA-13	150.8～151.8	1.0	Limonitizated granodiorite			○			
1133	7A1133	MJKA-13	151.8～152.8	1.0	Limonitizated granodiorite			○			
1134	7A1134	MJKA-13	152.8～153.8	1.0	Limonitizated granodiorite			○			
1135	7A1135	MJKA-13	153.8～154.8	1.0	Limonitizated granodiorite			○			
1136	7A1136	MJKA-13	154.8～155.8	1.0	Limonitizated granodiorite			○			
1137	7A1137	MJKA-13	155.8～156.8	1.0	Limonitizated granodiorite			○			
1138	7A1138	MJKA-13	156.8～157.8	1.0	Limonitizated granodiorite			○			
1139	7A1139	MJKA-13	157.8～158.8	1.0	Limonitizated granodiorite			○			
1140	7A1140	MJKA-13	158.8～159.8	1.0	Limonitizated granodiorite			○			
1141	7A1141	MJKA-13	159.8～160.8	1.0	Limonitizated granodiorite			○			
1142	7A1142	MJKA-13	160.8～161.8	1.0	Limonitizated granodiorite			○			
1143	7A1143	MJKA-13	161.8～162.8	1.0	Limonitizated granodiorite			○			
1144	7A1144	MJKA-13	162.8～163.8	1.0	Limonitizated granodiorite			○			
1145	7A1145	MJKA-13	163.8～164.8	1.0	Limonitizated granodiorite			○			
1146	7A1146	MJKA-13	164.8～165.8	1.0	Limonitizated granodiorite			○			
1147	7A1147	MJKA-13	165.8～166.8	1.0	Limonitizated granodiorite			○			
1148	7A1148	MJKA-13	166.8～168.3	1.5	Limonitizated granodiorite			○			
1149	7A1149	MJKA-13	168.3～169.2	0.9	Lamprophyre			○			
1150	7A1150	MJKA-13	169.2～170.0	0.8	Limonitizated aplite			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (47)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
1151	7A1151	MJKA-13	170.0～170.6	0.6	Biotitizated rock with px network			○			
1152	7A1152	MJKA-13	170.6～171.4	0.8	Limonitizated aplite			○			
1153	7A1153	MJKA-13	171.4～172.1	0.7	Chloritizated granodiorite			○			
1154	7A1154	MJKA-13	172.1～173.1	1.0	Biotitizated rock with px network			○			
1155	7A1155	MJKA-13	173.1～174.1	1.0	Biotitizated rock with px network			○			
1156	7A1156	MJKA-13	174.1～175.1	1.0	Biotitizated rock with px network			○			
1157	7A1157	MJKA-11	167.5～168.5	1.0	Granodiorite			○			
1158	7A1158	MJKA-11	168.5～169.5	1.0	Granodiorite			○			
1159	7A1159	MJKA-11	169.5～170.5	1.0	Granodiorite			○			
1160	7A1160	MJKA-11	170.5～171.5	1.0	Granodiorite			○			
1161	7A1161	MJKA-11	171.5～172.5	1.0	Granodiorite			○			
1162	7A1162	MJKA-11	172.5～173.5	1.0	Aplite			○			
1163	7A1163	MJKA-11	173.5～174.5	1.0	Aplite			○			
1164	7A1164	MJKA-11	174.5～175.5	1.0	Aplite			○			
1165	7A1165	MJKA-11	175.5～176.5	1.0	Aplite			○			
1166	7A1166	MJKA-11	176.5～177.5	1.0	Aplite			○			
1167	7A1167	MJKA-11	177.5～178.5	1.0	Aplite			○			
1168	7A1168	MJKA-11	178.5～179.5	1.0	Aplite			○			
1169	7A1169	MJKA-11	179.5～180.5	1.0	Aplite			○			
1170	7A1170	MJKA-11	180.5～181.5	1.0	Aplite			○			
1171	7A1171	MJKA-11	181.5～182.5	1.0	Granodiorite			○			
1172	7A1172	MJKA-11	182.5～183.5	1.0	Granodiorite			○			
1173	7A1173	MJKA-11	183.5～184.5	1.0	Granodiorite			○			
1174	7A1174	MJKA-11	184.5～185.5	1.0	Granodiorite			○			
1175	7A1175	MJKA-11	185.5～186.6	1.1	Granodiorite			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion

Apx. 1-2 Core Sample List (48)

Sierial No.	Sample No.	Locality			Rock name	Laboratory work					Remarks
		Drill hole No.	Depth (m)	Length (m)		T	P	C	X	F	
1176	7A1176	MJKA-11	186.6～187.4	0.8	Aplite			○			
1177	7A1177	MJKA-11	187.4～188.4	1.0	Granodiorite			○			
1178	7A1178	MJKA-11	188.4～189.4	1.0	Granodiorite			○			
1179	7A1179	MJKA-11	189.4～190.4	1.0	Granodiorite			○			
1180	7A1180	MJKA-11	190.4～191.4	1.0	Granodiorite			○			
1181	7A1181	MJKA-11	191.4～192.4	1.0	Granodiorite			○			

T: Thin section, P: Polished section, C: Chemical assay analysis,

X: X-ray diffraction analysis, F: Homogenization temperature of fluid inclusion