APPENDICS

List of Appendices

Apx. 1 Results of Chemical Analysis of Stream Sediments

(1)

SAMPLE NO.	ROCK	COORDINATE -X	COORDINATE Y	AG (PPM)	CU (PPM)	PB (PPM)	ZN (PPM)	SAMPLE NO.	ROCK	COORDINATE -X	COORDINATE Y	AG (PPM)	CU (PPM)	PB (PPM)	ZN (PPM)
1506	7	22430	39950	0.0	4.1	33.8	29.9	1556	0	17290	36360	0.0	2.6	21.4	25.2
1507	0	21820	39940	0.0	12.5	24.9	51.6	1557	0	16690	36490	0.0	9.0	35.6	60.2
1508	7	22580	39320	0.0	7.1	27.6	47.4	1558	0	16700	35800	0.0	6.2	24.6	27.9
1509	0	22740	39100	0.0	14.8	34.0	71.4	1559	0	16250	35530	0.0	15.0	31.0	57.6
1510	0	22610	39060	0.0	14.7	35.6	75.6	1560	0	15720	35460	0.0	12.6	29.9	42.2
1511	11	20350	37860	0.1	108.9	13.8	6.4	1561	0	15920	35330	0.0	3.2	31.3	23.1
1512	11	20070	37750	0.0	30.4	21.6	102.5	1562	0	15470	35210	0.0	18.2	25.6	61.8
1513	0	20150	37670	0.1	29.8	20.8	91.2	1563	7	19440	35810	0.0	3.3	23.0	33.8
1514	0	23600	36820	0.0	29.9	36.1	120.8	1564	7	19350	35680	0.0	4.0	27.1	40.6
1515	0	23470	36850	0.0	35.7	26.2	99.7	1565	7	18820	35850	0.0	3.0	20.5	27.9
1516	0	23450	36730	0.0	33.2	40.7	152.5	1566	7	18660	35800	0.0	6.7	21.3	33.3
1517	0	23680	36610	0.0	22.0	25.2	129.1	1567	7	18920	35300	0.0	6.4	17.1	29.1
1518	0	24170	36360	0.0	27.3	31.7	101.2	1568	7	18750	35320	0.0	5.6	19.9	24.6
1519	0	24220	36270	0.0	34.5	31.0	97.6	1569	4	14560	37830	0.0	8.9	17.7	34.8
1520	0	24000	36300	0.0	37.7	28.9	111.3	1570	4	14600	37710	0.0	9.1	24.2	54.2
1521	0	24050	36200	0.1	55.7	52.8	140.1	1571	4	14800	37620	0.0	9.2	20.3	40.3
1522	0	24180	35800	0.0	6.4	28.5	61.9	1572	4	13630	37930	0.0	12.0	17.3	47.3
1523	0	24450	35420	0.0	30.8	32.0	108.0	1573	7	13500	37850	0.0	15.1	36.5	144.4
1524	0	24560	35390	0.0	33.3	32.0	106.2	1574	4	13700	37620	0.0	6.1	19.8	28.9
1525	0	18210	39900	0.0	17.2	30.1	90.9	1575	7	13370	37700	0.3	11.2	29.5	115.0
1526	0	18090	39570	0.0	11.2	23.7	101.1	1576	0	13400	37530	0.0	29.9	44.6	181.8
1527	0	17550	39600	0.0	9.7	12.6	36.8	1577	7	12880	38220	0.1	17.9	65.6	143.3
1528	0	16960	39400	0.0	9.4	14.3	30.6	1578	7	11120	38950	0.0	21.7	29.4	47.2
1529	0	16700	39200	0.0	9.3	13.2	27.3	1579	7	10990	38930	0.0	19.5	33.2	51.9
1530	0	16750	38860	0.0	11.7	3.6	30.3	1580	7	10610	39150	0.0	21.5	34.2	58.5
1531	0	16470	38650	0.0	9.0	13.1	28.5	1581	7	10440	39260	0.0	20.0	36.9	61.2
1532	7	16300	38350	0.0	7.9	11.0	23.0	1582	7	11140	38390	0.0	20.4	29.9	48.8
1533	7	15930	38170	0.0	7.5	6.2	29.0	1583	7	11030	38330	0.0	3.3	23.4	50.1
1534	7	15860	38020	0.0	8.5	11.4	21.0	1584	7	11120	37770	0.1	10.0	20.1	70.1
1535	7	15740	37830	0.0	6.3	17.1	48.6	1585	7	10900	37490	0.0	2.5	19.7	41.5
1536	4	15420	37740	0.0	9.3	11.6	33.0	1586	7	11050	37380	0.0	21.1	22.2	42.7
1537	4	15200	37360	0.0	8.8	14.9	21.8	1587	5	10810	36820	0.0	19.7	28.5	45.5
1538	4	15080	37300	0.0	8.9	17.4	29.1	1588	5	10720	36760	0.0	2.6	28.3	53.2
1539	4	15060	38540	0.0	7.9	12.3	21.1	1589	7	12810	36940	0.0	17.3	37.3	113.7
1540	4	15050	38430	0.0	9.6	12.3	24.3	1590	0	12830	36840	0.0	18.3	42.0	120.4
1541	4	15060	38280	0.0	8.7	10.6	20.8	1591	7	9730	39870	0.0	10.9	33.5	77.1
1542	0	18260	38800	0.0	17.4	32.8	105.7	1592	7	9200	39920	0.0	3.1	39.1	112.9
1543	0	18100	38650	0.0	11.2	19.1	49.1	1593	7	9520	39430	0.0	1.1	17.5	53.0
1544	11	19800	38000	0.0	107.9	16.2	11.2	1594	7	9380	39340	0.0	2.7	31.8	98.5
1545	11	19680	38080	0.0	114.2	20.3	16.3	1595	7	6760	39690	0.0	1.2	12.0	39.7
1546	0	18100	38300	0.0	46.1	35.1	140.7	1596	7	6240	39760	0.0	4.6	30.1	34.0
1547	0	18880	38320	0.0	10.8	33.9	61.6	1597	7	6170	39630	0.0	6.8	50.8	79.8
1548	0	18460	38350	0.0	17.7	38.1	134.9	1598	8	6560	39440	0.0	11.6	26.6	54.6
1549	0	18600	38050	0.0	9.3	26.1	69.4	1599	7	6860	39330	0.0	0.7	17.9	37.0
1550	0	18340	38080	0.0	21.0	46.0	352.8	1600	8	6840	39040	0.0	1.1	21.4	70.5
1551	0	18050	37800	0.0	22.7	44.0	178.2	1601	8	5750	38700	0.0	2.3	11.2	33.5
1552	0	17970	37330	0.0	9.6	28.7	57.0	1602	8	5170	39030	0.0	15.6	39.2	72.6
1553	7	18240	37140	0.0	9.6	24.1	44.3	1603	8	6830	38460	0.0	2.3	35.1	53.4
1554	0	18480	36960	0.0	10.6	29.0	68.1	1604	7	7300	38240	0.0	1.7	24.3	52.4
1555	0	18420	36850	0.0	6.5	18.0	27.8	1605	7	7500	37900	0.0	2.3	32.7	46.3

Rock Code : Rock Code Numbers are Shown in Table 4 — 1.

SAMPLE NO.	ROCK	COORDINATE -X	COORDINATE Y	AG (PPM)	CU (PPM)	PB (PPM)	ZN (PPM)
1606	7	7350	37760	0.0	2.2	12.3	45.9
1607	4	7680	36800	0.0	2.2	22.5	55.9
1608	7	7900	36850	0.0	2.9	27.8	45.1
1609	4	7820	36710	0.0	3.1	25.2	46.4
1610	7	6420	37840	0.0	3.4	49.2	42.5
1611	7	6360	37670	0.0	2.1	25.3	37.0
1612	4	6560	37060	0.0	9.0	44.8	118.8
1613	4	6350	36860	0.0	10.2	44.6	104.8
1614	4	5970	36930	0.0	7.1	38.0	79.1
1615	4	5700	36450	0.0	7.3	42.4	79.0
1616	4	5600	36580	0.0	7.0	40.2	66.8
1617	4	5140	36500	0.0	2.4	38.3	51.9
1618	4	5050	36430	0.0	7.8	45.3	61.4
1619	4	8040	35170	0.0	3.2	22.2	40.2
1620	4	7790	35370	0.0	1.6	29.1	48.4
1621	4	7460	35250	0.0	4.0	28.5	46.9
1622	4	7100	35380	0.0	19.8	33.9	86.9
1623	4	6700	35470	0.0	6.8	36.6	98.9
1624	8	6350	35900	0.0	8.6	43.5	85.2
1625	4	5300	35660	0.0	8.0	37.4	70.2
1626	4	5400	35500	0.0	11.7	45.5	75.3
1627	8	4500	39250	0.0	77.2	28.0	75.1
1628	4	4050	39650	0.0	6.8	35.9	59.2
1629	8	3990	39570	0.0	5.7	34.9	63.0
1630	8	4820	39130	0.0	16.9	33.6	62.4
1631	8	4840	38930	0.0	17.6	31.1	66.7
1632	4	4380	38620	0.0	6.1	30.7	49.1
1633	4	4200	38580	0.0	7.9	28.6	56.3
1634	4	4130	38740	0.0	20.3	25.6	55.4
1635	4	3740	38370	0.0	14.7	35.6	73.2
1636	4	3430	38420	0.0	19.4	29.3	65.2
1637	4	3400	37980	0.0	8.1	32.0	54.6
1638	4	3280	37950	0.0	8.9	32.3	59.8
1639	4	3230	38100	0.0	15.3	41.3	89.2
1640	5	1540	36840	0.0	2.6	47.0	79.9
1641	5	1550	36670	0.0	1.6	48.6	71.0
1642	5	1220	36670	0.0	1.9	39.0	61.3
1643	5	620	36560	0.0	8.5	38.0	67.2
1644	5	60	37150	0.0	10.6	29.9	63.3
1645	5	150	36590	0.0	10.0	29.5	67.6
1646	5	90	36450	0.0	11.5	39.1	74.1
1647	4	4380	35430	0.0	6.4	39.1	68.1
1648	5	4400	35760	0.0	8.0	44.9	73.5
1649	5	4070	35800	0.0	0.9	24.9	30.1
1650	5	4040	35700	0.0	7.9	44.0	79.0
1651	5	2080	35440	0.0	2.6	42.4	72.9
1652	5	2000	36300	0.0	1.9	34.8	44.9
1653	5	1470	35030	0.0	33.3	33.3	102.2
1654	4	1080	35250	0.0	24.0	42.6	92.6
1655	4	1000	35100	0.0	20.1	51.3	126.4
1656	4	880	35200	0.0	25.9	45.9	118.5
1657	4	430	35690	0.0	15.5	46.6	93.0
1658	5	300	35650	0.0	12.3	46.2	84.4
1659	0	24500	34800	0.0	31.6	28.2	78.0
1660	0	24620	34700	0.0	30.1	40.4	114.8
1661	0	24390	34450	0.0	13.7	21.5	77.3
1662	0	24730	33070	0.0	16.6	23.0	79.3
1663	0	24620	33100	0.0	25.8	32.7	146.6
1664	0	24600	33580	0.0	17.1	33.0	103.5
1665	0	24410	33750	0.0	23.6	23.2	73.9
1666	7	24330	33600	0.2	39.0	16.2	146.6
1667	0	24110	33530	0.0	19.4	20.9	82.1
1668	7	23950	33920	0.0	8.6	10.4	18.1
1669	7	23500	33800	0.0	21.3	34.8	81.9
1670	0	23320	34180	0.0	32.0	31.4	124.6
1671	0	23160	34240	0.0	4.4	11.3	27.4
1672	0	23250	34060	0.0	35.3	22.3	128.7
1673	0	22700	34330	0.3	92.1	40.3	363.0
1674	0	22450	34350	0.0	6.1	23.1	62.3
1675	7	22400	34100	0.0	6.1	17.6	37.5
1676	7	22060	33950	0.0	4.7	14.9	25.5
1677	0	21650	33980	0.0	12.0	24.0	83.9
1678	0	21670	33870	0.0	4.4	8.4	19.6
1679	7	20340	34350	0.0	3.0	10.6	12.4
1680	7	20360	34040	0.0	3.8	10.0	13.7
1681	0	20250	33910	0.0	6.0	11.8	18.0
1682	0	20050	33840	0.0	5.6	11.7	13.7
1683	0	20750	33100	0.0	3.0	10.1	9.9
1684	0	20600	33080	0.0	5.0	11.7	17.0
1685	0	24670	31500	0.0	15.3	14.9	51.0
1686	0	24700	31360	0.0	15.3	25.2	51.5
1687	7	24700	30700	0.0	15.3	17.9	195.4
1688	0	24390	30660	0.6	29.8	54.1	590.0
1689	0	24250	30820	0.0	18.8	22.7	85.2
1690	0	23700	30430	0.6	32.2	52.4	450.0
1691	0	23180	30400	0.0	11.4	32.6	72.6
1692	0	23090	30530	0.1	23.0	25.1	458.9
1693	0	22720	30460	0.0	10.5	23.3	60.4
1694	0	22750	30310	0.0	11.8	40.9	97.7
1695	7	19300	34720	0.0	2.3	16.8	14.5
1696	7	19440	34690	0.0	5.7	12.2	21.3
1697	7	19320	34610	0.0	3.5	6.0	10.3
1698	0	15590	34640	0.0	3.4	14.4	11.5
1699	7	15430	34600	0.0	3.5	25.2	34.7
1700	0	19790	33820	0.0	13.7	9.5	46.1
1701	0	19330	33840	0.1	15.4	29.7	34.3
1702	0	19380	33700	0.0	17.4	31.8	92.3
1703	11	18350	33300	0.0	15.3	29.5	45.3
1704	0	18500	33180	0.0	8.3	31.5	79.4
1705	0	18690	32730	0.0	6.7	24.6	77.3

SAMPLE NO.	ROCK	COORDINATE -X	COORDINATE Y	AG (PPM)	CU (PPM)	PB (PPM)	ZN (PPM)
1706	11	18200	33060	0.0	8.7	24.6	65.8
1707	0	17880	33150	0.0	21.3	26.0	67.6
1708	11	17630	32950	0.0	9.8	23.9	60.1
1709	11	17730	32900	0.0	4.5	23.6	55.9
1710	11	15060	32250	0.0	14.5	32.2	107.3
1711	11	15550	31760	0.2	9.6	37.7	139.3
1712	11	15400	31720	0.2	4.5	21.3	56.0
1713	11	15280	31630	0.0	5.3	43.2	98.0
1714	11	15900	31150	0.0	3.5	25.9	46.2
1715	11	15500	31200	0.0	4.9	40.8	47.7
1716	11	15980	30720	0.0	5.2	21.3	78.0
1717	11	15740	30650	0.1	3.5	23.2	88.4
1718	0	14870	34210	0.0	17.7	27.2	87.0
1719	0	14980	33640	0.0	18.4	30.1	95.3
1720	0	14880	33510	0.0	16.3	28.9	89.0
1721	0	12850	33270	0.0	6.0	39.6	140.3
1722	0	12740	33230	0.7	5.2	32.3	112.5
1723	0	12330	33660	0.0	3.9	23.2	50.2
1724	0	12250	33460	0.0	20.6	39.2	104.0
1725	0	11660	33850	0.0	21.3	36.7	87.3
1726	0	11640	34050	0.0	21.4	40.9	117.1
1727	0	10530	33150	0.0	1.9	24.1	43.9
1728	7	10580	32980	0.0	2.2	31.2	58.3
1729	0	14000	32730	0.0	22.2	31.3	126.4
1730	0	14050	32640	0.3	17.7	23.2	78.3
1731	0	14010	32260	0.0	19.5	26.2	75.5
1732	0	13830	31730	0.0	13.5	25.7	60.7
1733	7	13750	31140	0.0	2.2	30.1	84.5
1734	11	14050	31050	0.0	2.6	28.3	59.0
1735	7	13850	30900	0.1	14.4	79.2	294.7
1736	7	13950	30220	0.0	17.3	28.4	85.4
1737	7	14290	30170	0.0	3.1	37.7	97.3
1738	7	14160	30080	3.9	9.5	83.2	414.1
1739	7	11950	32430	0.0	2.5	33.1	61.0
1740	7	11960	32100	0.6	5.7	27.7	155.6
1741	7	11730	31850	0.2	4.0	29.5	71.7
1742	7	11830	31730	0.4	9.2	31.1	168.5
1743	7	12860	31400	0.2	9.3	28.4	183.8
1744	7	12270	30850	0.3	9.0	31.4	182.7
1745	7	12460	30460	1.2	7.7	31.7	166.6
1746	7	12540	30350	2.7	13.6	54.3	232.5
1747	7	11020	31930	0.1	3.8	23.1	91.0
1748	7	10880	32120	0.2	3.2	19.0	88.3
1749	7	10850	31900	0.2	2.1	0.0	84.2
1750	7	10520	31450	0.2	4.1	29.6	124.7
1751	7	10400	31230	0.2	2.0	30.5	87.8
1752	7	10500	31140	0.1	3.7	0.0	103.9
1753	4	8250	34740	0.1	4.8	4.5	29.2
1754	4	8150	34620	0.0	3.4	19.0	27.6
1755	4	6240	34560	0.0	8.9	35.7	88.8
1756	4	6270	34300	0.0	10.9	42.8	107.6
1757	4	6800	33780	0.0	6.9	39.4	104.1
1758	4	6830	33570	0.0	7.2	41.0	101.9
1759	4	6470	33450	0.1	6.1	40.5	105.1
1760	2	6460	32710	0.1	8.0	35.2	97.4
1761	2	6290	32600	0.0	7.9	32.4	87.4
1762	2	6430	32500	0.0	6.7	31.9	86.3
1763	2	6320	32400	0.0	8.5	32.0	88.4
1764	4	6130	32180	0.1	10.2	34.6	88.1
1765	11	6170	31940	0.0	5.3	31.3	82.3
1766	11	6300	31550	0.2	4.0	21.8	98.7
1767	7	9850	30930	0.1	1.5	16.2	79.7
1768	7	9510	30700	0.1	4.0	30.9	117.1
1769	7	9230	30780	0.0	3.2	19.6	108.2
1770	7	9100	31000	0.1	2.4	20.2	128.7
1771	7	9080	30840	0.1	6.5	27.8	108.2
1772	5	7320	31140	0.2	4.7	0.1	106.9
1773	7	7230	31030	0.2	5.0	35.3	141.5
1774	11	6950	31170	0.2	6.1	20.4	82.7
1775	11	6850	31070	0.6	7.7	45.6	165.3
1776	11	5940	31160	0.3	9.1	18.9	117.4
1777	4	5700	31200	0.2	8.1	20.2	121.7
1778	2	5200	30950	0.3	7.9	34.6	104.7
1779	11	5250	30800	0.3	7.5	35.5	139.4
1780	11	5250	30350	0.1	4.0	19.6	60.7
1781	7	5130	30040	0.1	8.9	31.8	132.6
1782	5	4940	34800	0.0	13.4	43.9	73.4
1783	5	4990	34650	0.0	6.2	0.0	50.9
1784	5	4870	34400	0.0	9.4	40.4	70.2
1785	5	4540	33730	0.0	13.8	45.8	77.2
1786	5	4350	33850	0.0	5.8	36.0	53.6
1787	5	4420	33690	0.0	11.9	37.4	61.7
1788	5	4260	33580	0.0	12.5	42.5	66.1
1789	5	4140	33270	0.0	6.2	61.2	63.3
1790	5	4250	33040	0.0	5.7	43.6	57.0
1791	5	3800	32800	0.0	10.3	34.2	57.0
1792	5	3860	32680	0.0	10.9	40.4	63.8
1793	5	1810	34740	0.1	22.4	36.4	61.8
1794	5	1600	34750	0.0	15.9	47.8	72.6
1795	5	1780	34620	0.0	16.9	39.0	62.1
1796	4	70	33320	0.0	9.2	32.8	41.0
1797	4	70	32990	0.0	24.1	46.1	75.2
1798	4	410	32800	0.0	6.3	41.4	48.2
1799	4	650	32430	0.0	1.9	30.9	29.0
1800	5	70	32420	0.2	48.1	46.3	107.8
1801	5	880	32060	0.1	14.3	27.8	46.8
1802	5	800	31970	0.0	22.9	48.5	78.3
1803	5	860	31640	0.0	7.1	56.4	50.9
1804	5	1280	31540	0.0	11.8	40.6	68.5
1805	5	1120	31500	0.0	27.5	54.9	95.3

SAMPLE NO.	ROCK	COORDINATE -X	COORDINATE Y	AG (PPM)	CU (PPM)	PB (PPM)	ZN (PPM)
1806	5	1440	31260	0.0	2.4	43.4	57.3
1807	5	1320	31050	0.0	11.4	52.2	64.8
1808	5	1480	31010	0.0	22.5	45.5	63.3
1809	0	21870	29760	0.0	15.1	31.8	95.6
1810	8	21250	29630	0.0	5.3	52.0	83.4
1811	8	21170	29730	0.0	14.7	37.9	135.5
1812	0	20480	29950	0.0	25.0	12.0	111.8
1813	0	20040	29970	0.0	16.6	0.0	80.0
1814	11	20040	29900	0.0	13.5	46.4	249.4
1815	7	24600	28660	1.4	23.2	39.4	823.0
1816	0	24190	28900	5.0	48.0	101.6	560.0
1817	0	23140	28750	0.1	25.4	30.7	723.7
1818	0	22620	28440	0.0	10.5	16.3	230.9
1819	0	22530	28600	1.5	44.3	44.9	941.0
1820	8	21940	28500	0.0	15.8	30.2	277.4
1821	0	21470	28120	1.4	46.2	62.3	147.0
1822	0	21300	28130	1.3	37.3	58.1	131.0
1823	0	20600	27350	0.9	32.0	53.6	745.0
1824	0	20630	27200	1.8	66.2	84.1	88.0
1825	0	20210	27040	0.0	12.6	24.4	50.9
1826	0	20110	26870	0.0	11.8	26.1	79.1
1827	0	20220	26850	2.1	73.8	86.0	669.0
1828	7	24810	28360	1.7	33.0	33.4	38.0
1829	7	24300	28080	3.9	74.2	84.9	948.0
1830	7	24090	28070	0.0	14.9	20.2	83.1
1831	7	24050	28210	0.0	31.6	24.6	293.2
1832	7	23240	27620	0.0	26.8	23.5	61.4
1833	7	23020	27390	0.0	28.4	22.8	35.3
1834	0	22610	27230	0.0	13.8	18.1	36.4
1835	0	22280	27020	0.2	39.1	25.2	371.1
1836	0	22430	26930	0.0	5.6	18.0	22.2
1837	0	22070	26470	0.0	22.8	24.6	97.9
1838	0	22040	25950	0.1	49.8	23.3	194.7
1839	0	21770	25900	1.0	33.5	56.3	434.0
1840	0	21800	25750	0.0	10.3	19.9	64.7
1841	7	22110	25600	0.0	5.7	30.7	88.4
1842	7	22130	25500	0.0	51.5	26.0	277.8
1843	7	21970	25440	0.0	52.3	25.0	208.1
1844	11	17050	28220	17.5	265.1	290.0	655.0
1845	11	17120	27850	1.9	26.7	191.3	583.6
1846	8	16610	26700	7.7	115.4	677.0	62.0
1847	11	17050	26450	7.0	54.1	425.6	976.0
1848	11	16650	25850	42.1	472.7	607.0	201.0
1849	8	17970	25400	0.0	43.8	25.3	165.5
1850	11	17000	25330	0.7	100.3	103.4	335.9
1851	7	14240	29830	0.0	3.1	8.7	55.9
1852	7	13970	29750	0.0	4.6	18.9	57.6
1853	7	14090	29680	0.1	11.0	53.9	118.9
1854	7	14750	29400	71.8	861.0	671.0	212.0
1855	7	14230	29200	32.3	696.2	754.0	622.0
1856	7	14620	29220	1.4	39.6	163.0	578.4
1857	7	14260	28980	0.0	2.1	29.1	57.2
1858	7	14150	28930	0.1	4.3	32.6	80.4
1859	7	13900	28850	0.1	8.9	47.8	105.6
1860	7	13800	28900	0.0	10.9	36.4	119.3
1861	7	12750	29720	0.0	10.3	25.1	88.1
1862	7	12450	29840	0.0	13.4	23.5	96.9
1863	7	12650	29570	0.0	5.1	3.4	94.8
1864	7	12160	29530	0.0	7.3	21.7	69.7
1865	7	11800	29450	0.0	13.1	21.9	79.6
1866	7	11760	29350	0.0	12.7	23.0	113.1
1867	7	11840	29270	0.0	5.3	17.3	51.6
1868	7	11630	29080	0.0	6.4	22.2	46.9
1869	7	11050	29140	0.0	18.3	30.9	124.6
1870	7	10970	28860	0.0	9.4	22.6	45.8
1871	7	10830	28370	0.0	18.5	29.3	99.9
1872	7	10060	28610	0.0	13.6	8.4	90.2
1873	7	10450	28400	0.1	45.8	37.6	109.7
1874	7	10290	28380	0.0	14.4	24.2	83.5
1875	7	10100	28450	0.0	18.5	15.6	57.8
1876	11	13710	26930	25.6	179.2	647.2	558.1
1877	7	13570	26950	2.4	278.2	475.2	848.0
1878	11	13600	26580	2.0	91.8	251.3	571.0
1879	7	13190	26570	2.6	120.6	291.0	704.0
1880	11	13230	26350	21.8	109.1	476.4	740.1
1881	7	12670	25670	10.6	122.2	295.5	216.0
1882	7	12550	25730	0.0	2.5	10.6	31.7
1883	7	12430	25680	0.0	3.1	11.2	47.3
1884	7	12320	25440	0.3	3.1	10.8	37.8
1885	11	12950	25150	18.3	52.4	453.8	756.4
1886	7	12520	25100	0.7	14.7	43.5	136.5
1887	7	11700	25180	0.0	2.3	26.8	86.0
1888	7	11240	25370	0.0	4.9	17.2	59.0
1889	7	10520	25770	0.0	4.8	17.9	59.5
1890	4	10270	25700	0.0	2.7	24.1	84.2
1891	4	10290	25470	0.0	2.5	25.7	96.1
1892	7	6710	28830	0.0	6.8	7.0	89.6
1893	7	6510	28900	0.0	5.2	26.0	116.0
1894	7	6430	28680	0.0	4.3	34.7	105.3
1895	12	5090	29600	0.0	64.2	25.2	63.8
1896	7	5370	29470	0.0	6.1	22.6	80.5
1897	7	5230	29380	0.0	4.5	22.7	47.6
1898	7	5850	29260	0.0	2.1	36.8	39.8
1899	7	5920	29150	0.0	2.8	20.2	36.0
1900	7	6100	28800	0.0	3.8	32.0	52.1
1901	7	7720	28250	0.0	7.3	23.0	81.3
1902	7	7630	28170	0.0	6.3	21.5	81.4
1903	7	7510	28530	0.0	2.6	20.1	58.2
1904	7	5950	28500	0.0	3.6	28.1	93.1
1905	7	6030	28200	0.0	5.5	42.7	112.7

SAMPLE NO.	ROCK	COORDINATE -X	COORDINATE Y	AG (PPM)	CU (PPM)	PB (PPM)	ZN (PPM)
1906	7	6380	28230	0.0	2.2	0.0	79.0
1907	11	5360	28130	0.1	10.6	24.3	75.5
1908	7	5690	27750	0.0	1.1	23.0	111.3
1909	7	5780	27520	0.0	1.4	18.0	71.8
1910	7	5900	27450	0.0	0.9	14.5	65.8
1911	7	6190	27080	0.0	1.8	18.1	72.8
1912	7	6100	26980	0.0	6.0	26.6	138.2
1913	4	7700	25060	0.1	5.8	39.3	97.1
1914	12	4550	29430	0.0	70.3	24.1	63.0
1915	2	4430	29530	0.0	26.2	24.4	67.4
1916	12	4400	29230	0.0	18.4	32.0	97.0
1917	2	4190	29100	0.0	12.7	17.9	42.7
1918	2	3740	29050	0.0	59.8	24.8	75.1
1919	2	3730	29230	0.0	67.2	19.9	58.2
1920	2	3320	29250	0.0	92.3	23.0	83.1
1921	2	3200	29400	0.0	60.0	19.3	58.0
1922	2	800	27950	0.0	4.6	29.3	55.8
1923	2	690	27980	0.0	6.4	19.3	40.2
1924	2	460	27370	0.0	20.6	28.8	52.1
1925	2	340	27400	0.0	66.2	21.3	48.9
1926	2	400	27250	0.0	46.6	26.6	49.0
1927	2	300	26920	0.0	65.4	13.8	56.3
1928	11	4560	27830	0.1	9.3	17.5	55.0
1929	11	3330	27130	0.0	10.5	30.6	65.9
1930	11	3300	27000	0.1	7.8	38.7	79.4
1931	4	2520	27020	0.1	23.2	145.4	67.1
1932	12	2400	27310	0.0	42.7	9.9	75.6
1933	12	2220	27540	0.0	128.2	25.9	69.4
1934	12	1110	26700	0.0	50.2	24.8	73.4
1935	4	1150	26560	0.0	14.2	25.4	59.1
1936	12	1310	26450	0.0	68.3	22.9	76.4
1937	11	70	26230	0.0	29.1	26.1	115.8
1938	11	320	26070	0.0	14.1	24.3	56.9
1939	11	390	26810	0.0	14.2	35.7	78.2
1940	11	290	26720	0.0	29.4	30.5	165.0
1941	7	23850	21550	0.0	3.7	20.1	34.0
1942	7	23730	21570	0.0	2.3	13.7	24.7
1943	7	23960	21140	0.0	4.4	21.3	38.9
1944	7	23750	20950	0.0	1.7	20.7	37.8
1945	7	24350	20250	0.0	2.7	12.5	19.8
1946	7	23950	20500	0.0	2.0	19.3	20.4
1947	7	23750	20800	0.0	2.4	14.5	26.5
1948	0	20250	21640	0.0	23.3	33.7	95.4
1949	0	20130	21600	0.0	22.8	27.1	56.6
1950	0	18700	23470	0.0	23.0	25.5	73.8
1951	0	18780	23370	0.0	18.3	23.0	68.5
1952	0	18650	23050	0.0	24.7	24.1	80.6
1953	8	17530	24610	4.0	70.2	301.8	894.0
1954	0	17720	23650	0.0	18.4	22.4	104.3
1955	0	17550	23350	0.2	17.2	39.5	269.2
1956	0	17400	23360	0.0	16.3	30.0	108.2
1957	0	17780	22770	0.0	17.9	17.0	64.2
1958	0	16690	21850	3.7	62.5	268.6	761.4
1959	0	16360	22560	10.0	75.4	118.0	498.0
1960	0	15950	22180	0.0	8.4	33.6	88.9
1961	0	15820	22200	0.0	5.0	25.2	58.9
1962	0	15520	22350	0.0	10.8	40.8	82.8
1963	0	15380	22500	0.0	32.7	45.4	199.8
1964	0	15310	23330	0.0	23.7	14.5	64.3
1965	0	15070	23400	0.0	27.2	89.4	667.0
1966	0	19950	21250	0.0	9.2	24.2	44.4
1967	0	19770	21050	0.0	13.5	17.1	39.8
1968	7	19970	20930	0.0	9.0	27.7	59.1
1969	7	19920	20530	0.0	15.4	14.5	50.2
1970	7	19650	20200	0.0	12.6	25.4	60.3
1971	0	19550	20070	0.0	15.3	28.1	47.9
1972	0	17730	20650	0.0	10.2	26.9	109.7
1973	0	17560	20540	0.0	20.7	25.0	71.5
1974	0	17820	20450	0.0	11.0	26.5	201.0
1975	0	18070	20170	0.0	7.9	16.9	45.1
1976	0	17920	20060	0.0	15.8	22.2	65.2
1977	0	14730	23460	25.3	124.4	490.9	677.0
1978	11	14500	23440	1.6	58.5	228.3	543.4
1979	11	13760	23470	0.0	25.9	34.7	129.6
1980	11	13650	23650	0.0	13.1	32.4	130.0
1981	11	13410	24200	1.5	18.4	96.4	167.8
1982	11	13120	24150	0.0	10.7	35.2	83.5
1983	7	12000	24350	0.0	10.8	24.5	107.3
1984	4	11730	24150	0.0	8.4	17.1	74.4
1985	4	11570	24000	0.0	20.2	85.6	150.2
1986	4	11500	24000	0.0	10.9	34.2	81.4
1987	4	11200	24100	0.0	10.0	34.6	80.5
1988	4	11120	23900	0.0	11.2	54.5	104.3
1989	4	10700	23970	0.0	15.9	37.4	75.0
1990	4	10650	24150	0.0	11.3	22.5	104.0
1991	4	10490	24080	0.0	11.1	32.4	88.0
1992	4	10480	23980	0.0	10.9	31.2	90.9
1993	4	7800	24800	0.0	7.7	36.4	51.5
1994	4	7630	24850	0.1	6.1	34.1	89.0
1995	4	7050	24250	0.1	4.6	26.9	63.6
1996	7	6850	23880	0.0	5.9	29.9	74.1
1997	11	6760	23780	0.0	7.4	33.0	77.0
1998	7	6960	23350	0.0	6.4	23.3	59.1
1999	7	6550	23020	0.0	12.9	30.1	87.5
2000	7	6850	22630	0.0	8.2	27.9	75.2
2001	7	6620	22400	0.0	7.6	16.8	30.8
2002	7	6400	22420	0.0	11.5	20.9	71.3
2003	7	5250	22630	3.4	329.9	696.6	213.0
2004	7	5150	22700	0.0	7.0	28.4	73.9
2005	11	5080	23130	86.2	516.8	210.0	865.0

SAMPLE NO.	ROCK	COORDINATE -X	COORDINATE Y	AG (PPM)	CU (PPM)	PB (PPM)	ZN (PPM)
2006	7	5370	21160	0.0	7.3	22.5	32.8
2007	11	4940	24060	0.2	8.3	22.7	57.4
2008	11	4850	24120	0.2	8.4	24.1	66.1
2009	11	2800	24950	0.0	12.2	47.3	191.6
2010	7	2850	24850	0.1	8.0	89.3	293.8
2011	11	4560	23500	30.0	169.1	859.3	924.0
2012	7	4330	23390	0.2	12.1	76.2	166.9
2013	11	4220	23640	0.5	48.0	401.1	534.6
2014	11	4100	23630	5.8	5.0	13.0	127.0
2015	11	3390	24000	0.5	34.3	169.4	795.1
2016	11	2810	23900	0.0	23.2	34.5	87.4
2017	12	2760	24000	0.9	29.9	113.8	637.0
2018	7	2230	24380	0.0	9.8	30.6	86.9
2019	11	2050	24420	0.0	21.2	32.5	67.7
2020	2	1900	24150	0.0	30.7	36.8	79.1
2021	12	2200	23730	0.0	20.7	35.2	88.6
2022	12	1950	23330	0.0	21.6	44.8	96.8
2023	7	1980	22300	0.0	15.1	28.7	70.7
2024	11	840	24100	0.0	43.9	18.0	50.5
2025	2	650	23850	0.0	23.4	13.3	52.4
2026	12	700	23560	0.0	35.2	22.6	90.2
2027	2	580	23470	0.0	26.6	20.0	76.2
2028	12	720	23170	0.0	25.2	28.3	76.0
2029	7	1800	22400	0.0	18.2	22.9	52.9
2030	7	1590	22350	0.0	41.5	21.8	57.5
2031	7	1880	22110	0.0	19.1	27.4	107.5
2032	7	1970	21920	0.0	23.7	20.6	53.4
2033	7	1330	21750	0.0	19.6	41.7	43.9
2034	7	1180	21700	0.0	65.2	39.2	54.6
2035	7	720	21750	0.0	47.0	15.2	38.8
2036	7	630	21630	0.0	25.7	22.2	31.9
2037	7	2910	21660	0.4	48.7	138.6	631.7
2038	7	2810	21730	0.0	12.0	30.0	49.9
2039	7	2900	21550	0.0	15.0	17.8	32.6
2040	7	1820	21200	0.0	65.0	23.7	55.4
2041	7	2070	21200	0.0	15.3	37.5	51.5
2042	7	2380	20960	0.0	21.8	54.7	497.4
2043	7	2270	20680	0.0	11.0	30.6	61.2
2044	7	2180	20450	0.0	10.2	27.5	41.7
2045	7	4680	20670	0.0	11.8	17.0	28.5
2046	7	23850	19500	0.0	2.2	17.0	24.3
2047	7	23630	19180	0.0	2.0	21.4	30.7
2048	7	23450	19320	0.0	3.2	19.0	27.9
2049	7	23360	19200	0.0	3.2	22.4	36.9
2050	7	23180	18840	0.0	6.4	21.5	27.0
2051	7	21790	19460	0.0	3.7	14.6	30.7
2052	7	21660	19520	0.0	5.4	14.8	35.0
2053	7	21900	18780	0.0	2.8	15.8	33.6
2054	7	21820	18650	0.0	4.6	13.7	32.9
2055	7	22300	18230	0.0	6.0	9.1	18.8
2056	7	24750	16840	0.0	2.7	19.8	32.4
2057	7	24830	16730	0.0	2.2	16.4	21.2
2058	7	24620	16790	0.0	2.6	26.9	40.3
2059	7	24230	17050	0.0	2.1	9.6	20.1
2060	7	24080	17000	0.0	2.1	15.1	30.5
2061	7	24920	16120	0.0	2.4	20.6	31.8
2062	7	24970	15130	0.0	2.1	15.9	24.2
2063	7	24850	15030	0.0	3.3	25.3	30.9
2064	7	23570	16570	0.0	3.4	22.0	29.1
2065	7	23260	17100	0.0	4.5	27.4	23.1
2066	7	23350	17380	0.0	3.4	22.7	20.6
2067	7	23120	17550	0.0	2.6	23.6	25.4
2068	7	22880	17470	0.0	3.2	26.5	35.3
2069	7	23000	17610	0.0	4.2	32.1	50.6
2070	0	21040	16030	0.2	17.8	23.7	68.9
2071	0	21120	15900	0.0	16.6	21.8	59.3
2072	0	20960	15950	0.0	21.4	25.0	69.8
2073	0	19700	19970	0.0	16.2	24.0	59.4
2074	7	19720	19630	0.0	17.5	21.9	56.1
2075	7	19720	19420	0.0	13.0	18.4	45.8
2076	7	19530	19040	0.0	13.1	15.6	40.3
2077	8	18460	18430	0.0	21.8	63.8	212.4
2078	0	18120	18760	0.0	11.4	17.4	40.3
2079	0	17780	19350	0.0	9.3	20.8	40.1
2080	0	17650	19450	0.0	13.8	30.6	72.3
2081	0	18250	18180	0.1	19.9	27.0	117.8
2082	0	18790	17980	0.0	4.3	15.8	37.6
2083	0	18670	16730	0.0	16.1	26.6	85.0
2084	0	18300	16810	0.5	16.6	38.7	225.8
2085	0	17260	17650	0.0	17.8	3.6	79.2
2086	0	17020	17520	0.0	12.8	18.2	37.9
2087	0	16700	17270	0.0	15.6	21.9	53.7
2088	0	15170	17650	0.0	17.4	28.3	68.9
2089	0	16090	17150	0.0	11.0	27.0	59.3
2090	0	15600	17460	0.0	13.4	22.4	53.2
2091	7	15070	16760	0.1	23.1	36.6	94.8
2092	0	18460	16010	0.7	18.5	71.4	476.6
2093	0	18270	15670	0.0	19.6	50.8	205.9
2094	7	13360	19100	0.0	8.3	33.1	83.6
2095	7	13190	19050	0.0	7.2	29.3	80.8
2096	7	12930	19150	0.0	6.9	20.6	67.6
2097	7	12220	19040	0.0	7.7	28.5	67.6
2098	7	12180	18900	0.0	7.1	33.8	76.0
2099	8	11130	19970	0.2	2.0	32.4	70.7
2100	8	11050	19950	0.0	0.9	23.5	35.4
2101	8	10950	19600	0.1	1.6	26.8	53.3
2102	8	10720	19320	0.2	2.5	30.5	87.8
2103	8	11380	19340	0.1	3.9	28.0	57.1
2104	7	11280	19250	0.1	2.2	28.7	58.1
2105	7	13200	18200	0.0	5.8	22.6	59.7

SAMPLE NO.	ROCK	COORDINATE -X	Y	AG (PPM)	CU (PPM)	PB (PPM)	ZN (PPM)
2106	7	13250	18030	0.0	3.9	23.5	40.1
2107	7	13610	17810	0.0	6.8	8.3	70.4
2108	7	13360	17770	0.0	2.4	22.5	34.0
2109	7	13480	17670	0.0	1.5	15.1	18.4
2110	7	14120	17270	0.0	8.1	28.0	74.5
2111	7	14050	17150	0.0	6.8	35.6	83.6
2112	7	14620	17100	0.0	6.6	19.6	50.9
2113	7	14250	16920	0.0	6.5	23.7	57.5
2114	7	14920	16750	0.0	24.2	40.9	95.9
2115	8	12900	15410	0.0	51.5	34.1	50.4
2116	12	12620	15400	0.0	29.7	39.8	84.2
2117	7	12370	15830	0.0	30.5	0.4	72.2
2118	7	11890	16050	0.0	50.0	64.9	109.1
2119	12	11790	15960	0.1	41.5	46.3	91.0
2120	8	7890	19800	0.1	2.6	38.8	82.8
2121	8	8160	19500	0.1	1.9	30.1	66.4
2122	8	7820	19520	0.2	2.0	32.2	47.8
2123	8	8190	19050	0.3	2.6	61.8	146.4
2124	8	7900	19000	0.0	2.0	36.2	81.1
2125	8	8310	17960	0.2	2.3	32.7	69.9
2126	8	8250	17830	0.0	2.3	20.3	40.4
2127	8	8600	17670	0.1	5.1	63.7	119.5
2128	7	8670	17150	0.0	5.4	22.1	62.8
2129	7	9540	16860	0.0	6.3	40.0	88.1
2130	7	9540	16750	0.0	4.0	18.8	74.5
2131	7	8760	16720	0.0	6.4	18.5	64.1
2132	7	8590	16560	0.0	6.4	26.7	59.1
2133	7	8730	16480	0.0	3.8	20.1	54.1
2134	11	7850	16350	0.0	5.2	37.9	58.2
2135	11	6790	15330	0.0	17.3	43.9	344.0
2136	11	6850	16290	0.0	7.2	24.0	63.6
2137	11	6600	16720	0.0	5.6	21.7	46.3
2138	11	6320	16700	2.8	6.5	23.7	33.4
2139	11	6000	16830	0.0	2.3	14.6	36.4
2140	7	6030	17020	0.0	5.4	45.5	71.7
2141	7	6040	17750	0.0	5.5	28.5	52.7
2142	11	5780	17650	0.0	4.1	34.8	57.5
2143	7	5620	18270	0.0	4.5	24.9	45.9
2144	11	5280	18200	0.0	7.6	19.4	55.5
2145	7	5230	18800	0.0	7.7	42.3	54.6
2146	11	4930	18730	0.0	8.3	38.3	56.0
2147	7	4950	19100	0.0	4.2	25.1	38.1
2148	7	4760	19350	0.0	4.5	30.9	155.1
2149	7	4480	19330	0.0	8.8	30.9	58.1
2150	7	4350	19800	0.0	7.8	29.0	41.4
2151	7	4320	19930	0.0	15.1	46.9	60.0
2152	7	2660	19940	0.0	13.7	0.0	23.8
2153	7	2480	19980	0.0	29.4	42.0	75.2
2154	7	2330	19950	0.0	32.6	29.0	79.0
2155	7	2750	19130	0.0	3.2	13.9	38.1
2156	7	2210	18800	1.0	10.1	64.1	138.3
2157	7	2280	18650	0.2	7.7	16.7	38.3
2158	11	2000	18270	0.3	12.5	69.8	178.4
2159	11	2730	18080	0.6	6.5	14.3	57.2
2160	11	2320	17940	0.0	54.8	37.3	98.5
2161	11	1420	17730	0.0	35.4	30.0	75.8
2162	11	1240	17450	0.0	37.7	28.1	88.8
2163	12	920	17500	0.1	49.4	38.0	99.3
2164	11	2930	17200	0.0	2.7	9.5	27.1
2165	11	2850	16950	0.0	11.5	24.2	53.6
2166	11	3060	16800	0.0	2.5	18.4	29.6
2167	4	3000	16650	0.0	40.0	41.4	101.0
2168	4	3780	16920	0.0	9.1	23.1	49.8
2169	4	4110	16630	0.0	3.1	20.6	42.8
2170	4	4450	16060	0.0	41.3	28.0	90.6
2171	4	4540	15830	0.0	6.8	40.1	77.3
2172	4	4210	15150	0.0	36.0	22.6	89.5
2173	7	22680	14440	0.0	8.8	32.4	62.1
2174	0	22450	14480	0.0	14.5	41.5	80.5
2175	0	22400	14350	0.0	11.5	22.6	53.8
2176	7	22530	13800	0.0	15.7	17.2	56.5
2177	7	22550	13640	0.0	8.6	27.0	59.4
2178	0	22400	13500	0.0	26.1	44.4	97.3
2179	7	23060	13250	0.0	5.3	25.6	46.4
2180	0	20260	14820	0.0	17.3	25.5	73.4
2181	0	20350	14640	0.0	25.1	24.5	103.8
2182	0	20210	14580	0.0	19.9	23.3	74.6
2183	7	24620	12800	0.0	4.5	19.9	29.5
2184	7	24660	12580	0.0	4.3	0.0	38.7
2185	7	24340	12300	0.0	4.7	20.4	24.6
2186	7	23900	12500	0.0	4.7	18.0	40.6
2187	7	24020	12000	0.0	3.3	13.5	30.0
2188	7	22870	12130	0.0	6.1	22.7	44.4
2189	7	22950	11950	0.0	4.8	18.5	45.6
2190	7	22130	11750	0.0	11.9	46.0	69.8
2191	7	21950	11140	0.0	24.3	32.5	77.1
2192	7	21450	11390	0.0	2.7	21.0	31.2
2193	0	20390	10880	0.0	21.7	33.5	69.4
2194	0	20340	10650	0.0	6.0	21.1	39.2
2195	0	20450	10200	0.0	7.3	19.8	32.4
2196	0	19900	14930	0.0	4.2	17.1	35.8
2197	0	19400	14690	0.0	16.9	25.3	69.2
2198	0	19200	14930	0.0	6.2	33.0	79.2
2199	0	19080	14770	0.0	23.6	18.5	74.8
2200	0	18640	13870	0.1	19.8	21.5	77.3
2201	0	18710	13570	0.0	27.4	28.7	118.4
2202	0	18560	12300	53.8	419.2	747.8	523.0
2203	0	18120	12960	0.0	9.9	13.7	41.5
2204	0	17800	12750	0.0	12.7	20.1	63.0
2205	0	17200	12560	0.0	37.3	36.7	114.3

SAMPLE NO.	ROCK	COORDINATE -X	COORDINATE Y	AG (PPM)	CU (PPM)	PB (PPM)	ZN (PPM)
2206	0	17200	13240	0.0	18.9	28.7	53.1
2207	0	16600	13130	0.0	33.5	36.9	166.9
2208	0	16420	13540	0.0	16.3	27.9	71.0
2209	0	16470	14000	0.0	19.4	25.7	46.1
2210	0	16260	14170	0.2	22.9	78.0	264.3
2211	0	16140	14050	0.3	16.7	41.1	150.0
2212	0	15830	13400	0.0	22.7	22.3	63.1
2213	0	15360	13300	9.2	21.0	35.0	135.9
2214	0	15540	13100	0.0	16.7	53.0	89.1
2215	11	15390	13050	0.1	9.5	58.1	139.7
2216	0	16920	11250	0.0	20.7	37.3	84.6
2217	0	16980	10660	0.0	35.3	22.7	59.4
2218	0	17800	10600	0.0	33.7	22.7	67.0
2219	0	17940	10450	0.1	18.5	27.5	41.7
2220	0	16620	10300	3.2	43.8	211.6	825.5
2221	0	15540	10800	2.1	39.6	193.3	557.0
2222	11	15230	10950	0.0	11.1	43.3	88.7
2223	11	15120	10820	4.3	49.9	260.7	979.2
2224	11	15200	10700	0.0	16.2	51.2	94.6
2225	7	13720	14170	1.5	37.2	146.2	147.3
2226	7	13930	14250	0.0	1.2	19.8	37.9
2227	7	13600	14120	0.1	2.0	17.5	33.1
2228	11	13750	14050	0.1	9.5	34.2	90.2
2229	7	13480	14740	0.0	6.6	16.8	30.1
2230	7	13080	14850	0.0	3.0	19.4	35.5
2231	7	11100	13460	0.0	9.1	1.5	66.9
2232	7	11220	13320	0.0	18.1	32.6	72.9
2233	12	10700	12830	0.0	8.6	23.6	29.1
2234	7	10660	12950	0.0	3.5	15.1	30.1
2235	7	10380	13020	0.0	1.1	16.8	28.6
2236	7	10110	12970	0.0	1.0	13.4	16.1
2237	7	10050	12720	0.0	1.6	20.4	35.8
2238	11	12890	11290	13.0	99.2	858.6	152.0
2239	11	12770	11360	12.2	66.4	461.8	626.9
2240	11	12540	10830	6.9	114.2	419.2	819.6
2241	11	12380	10800	0.0	8.7	31.6	63.1
2242	11	12600	10580	0.5	42.2	32.1	131.3
2243	11	12500	10460	0.2	68.0	38.1	241.7
2244	11	12410	10340	1.9	80.1	256.4	660.0
2245	11	12200	10460	4.8	63.9	936.0	760.4
2246	11	12160	10210	3.1	29.7	576.3	960.2
2247	11	11950	10450	1.1	18.8	271.1	324.7
2248	11	11500	10030	0.0	47.8	32.1	90.1
2249	11	11230	10230	0.0	5.5	21.1	43.9
2250	11	10460	10660	0.0	8.0	27.8	56.1
2251	11	10580	10840	0.0	13.0	50.1	108.3
2252	11	10480	10910	0.5	20.3	46.8	154.2
2253	12	10090	11530	0.0	14.9	34.7	86.9
2254	12	9850	12400	0.0	0.7	11.2	11.7
2255	11	9900	11300	0.0	24.9	37.5	135.6
2256	12	9060	12920	22.4	159.5	274.0	77.0
2257	12	8560	12950	0.0	7.1	24.4	63.2
2258	12	8120	12900	0.0	21.2	47.8	359.8
2259	12	7950	12960	0.2	28.5	51.5	448.4
2260	12	7730	13950	0.0	6.5	17.0	32.8
2261	7	7630	14120	0.0	22.1	38.5	378.4
2262	4	7130	14660	0.3	34.6	8.4	47.7
2263	7	7360	14850	0.0	1.1	3.0	19.3
2264	12	7340	12650	0.5	28.5	22.3	129.5
2265	12	6820	12960	0.1	56.3	64.9	134.4
2266	12	6950	13280	0.1	19.8	47.4	84.3
2267	4	6300	13200	0.0	63.7	44.4	94.5
2268	12	6260	13550	0.2	17.7	28.7	99.1
2269	12	5850	13600	0.1	52.4	42.5	105.5
2270	4	5700	13960	0.0	38.4	44.9	97.2
2271	12	5400	13930	0.0	4.4	29.2	43.3
2272	12	5060	13780	0.0	48.0	39.5	114.9
2273	4	6830	10090	0.0	100.4	35.4	67.3
2274	4	6620	10120	0.0	110.9	62.0	112.6
2275	4	6090	10260	0.0	29.3	53.9	122.8
2276	4	4550	14930	0.1	55.3	42.2	131.2
2277	4	4800	14650	0.1	50.3	20.2	87.1
2278	4	4580	14670	0.1	19.4	18.2	67.5
2279	4	4630	14220	0.0	50.8	37.7	111.2
2280	4	4490	14200	0.0	40.6	40.6	113.3
2281	4	3970	13960	0.0	76.7	59.0	119.0
2282	12	3800	13800	0.0	72.4	101.5	132.7
2283	4	3760	13830	0.0	83.9	59.6	118.6
2284	12	3300	13650	0.2	87.4	41.7	105.3
2285	4	3100	13900	0.0	80.2	54.5	102.2
2286	4	2700	13400	0.2	81.3	33.6	102.9
2287	2	2590	13560	0.0	83.0	49.2	100.0
2288	2	2600	13750	0.0	83.4	37.0	96.7
2289	2	1900	14360	0.0	80.8	43.2	66.6
2290	4	2040	14460	0.0	88.2	53.4	71.6
2291	2	40	13850	0.0	66.8	31.9	88.3
2292	2	150	13230	0.0	78.2	39.1	85.2
2293	2	250	13140	0.0	76.2	34.6	106.6
2294	2	270	12400	0.0	78.2	32.7	69.2
2295	2	80	11950	0.0	38.1	27.4	66.5
2296	4	4960	10500	0.0	162.1	40.0	67.8
2297	4	4880	10400	0.0	102.1	45.1	65.9
2298	6	2020	10700	1.6	31.2	309.8	293.7
2299	4	1880	10820	1.3	33.6	379.3	303.9
2300	4	1630	10800	0.0	50.4	71.1	114.1
2301	2	1240	10500	0.0	70.6	31.3	67.6
2302	4	1250	10330	0.4	48.1	175.0	204.2
2303	7	20680	9800	0.0	4.0	23.9	38.6
2304	7	20010	8820	0.0	3.1	12.3	25.0
2305	7	23830	8330	0.0	2.4	10.5	17.3

SAMPLE NO.	ROCK	COORDINATE -X	COORDINATE Y	AG (PPM)	CU (PPM)	PB (PPM)	ZN (PPM)
2306	7	23900	8120	0.0	5.8	11.4	29.6
2307	7	23060	7900	0.0	4.8	11.0	25.4
2308	7	23500	7550	0.0	3.9	14.0	29.7
2309	7	23360	7420	0.0	15.2	11.5	28.1
2310	7	22560	7500	0.0	3.7	21.8	39.6
2311	7	22020	7550	0.0	7.5	9.6	21.0
2312	7	21610	8290	0.0	1.8	14.8	26.0
2313	7	21420	8450	0.0	2.9	16.0	26.5
2314	7	21820	7180	0.0	3.9	13.4	27.9
2315	7	21000	7500	0.0	2.0	10.1	21.2
2316	7	21230	6870	0.0	1.7	8.4	17.8
2317	7	21410	6560	0.0	2.6	9.7	22.8
2318	7	20300	6250	0.0	4.6	20.0	31.9
2319	7	20230	6080	0.0	2.9	15.9	26.7
2320	7	23210	5860	0.0	3.3	11.8	26.7
2321	7	23130	5700	0.0	3.7	3.6	32.9
2322	7	22800	5700	0.0	4.2	23.6	37.3
2323	7	22420	5760	0.0	4.7	17.1	31.6
2324	7	22350	5620	0.0	3.6	6.3	36.1
2325	7	22500	5040	0.0	3.4	13.1	29.0
2326	0	16850	9900	0.1	27.6	33.8	83.1
2327	0	16630	9970	0.0	21.7	34.9	69.3
2328	0	16370	9720	0.0	15.2	36.5	84.2
2329	0	15960	8900	0.0	9.5	30.5	66.3
2330	11	15860	8600	0.6	27.0	74.1	291.5
2331	0	19550	8600	0.0	1.5	15.4	32.1
2332	0	18900	7480	0.0	4.0	16.2	24.8
2333	7	17760	7150	0.0	2.6	12.0	32.5
2334	7	17650	7330	0.0	4.3	19.5	29.6
2335	7	17280	7590	0.0	3.6	13.5	14.2
2336	7	16920	7750	0.0	3.7	12.6	12.9
2337	11	15600	8060	0.3	12.0	69.8	135.4
2338	12	15060	7180	0.0	7.6	11.1	21.2
2339	7	16160	6880	0.0	5.2	11.8	23.2
2340	7	16120	6760	0.0	8.0	4.3	20.4
2341	7	19000	6830	0.0	1.7	9.6	14.6
2342	7	19650	6070	0.0	2.7	17.4	20.5
2343	7	19500	6000	0.0	3.1	24.0	27.6
2344	7	19900	5760	0.0	1.9	18.7	34.2
2345	7	19990	5150	0.0	2.3	22.1	31.7
2346	7	19850	5150	0.0	2.3	17.1	23.2
2347	11	14900	7750	0.1	23.0	31.5	81.9
2348	11	14800	7650	0.0	23.4	43.5	102.7
2349	11	14700	7210	0.0	52.1	12.0	115.3
2350	11	10060	9750	0.9	39.8	40.3	361.0
2351	11	10570	9600	3.7	58.1	435.1	144.0
2352	8	11850	8720	0.0	78.5	27.8	102.4
2353	8	11800	8620	0.0	87.0	21.5	77.3
2354	8	10970	8820	0.0	54.7	27.4	93.2
2355	8	11030	8650	0.0	68.6	30.0	77.4
2356	8	10920	8500	0.0	59.8	20.8	55.0
2357	8	10400	8400	0.0	75.5	42.9	84.0
2358	8	10500	8000	0.0	83.3	27.7	68.6
2359	8	10390	7920	0.0	70.6	25.2	61.7
2360	8	10180	7860	0.0	69.2	27.4	59.0
2361	8	10130	7900	0.0	88.7	23.7	58.4
2362	5	14920	5260	0.0	9.2	16.4	48.2
2363	5	14230	5120	0.0	8.4	16.5	19.4
2364	4	13020	5320	23.8	244.6	535.3	69.0
2365	8	12840	5420	0.1	56.4	30.3	112.2
2366	4	12540	5340	0.0	44.6	23.1	67.7
2367	4	12350	5100	0.0	49.8	21.9	56.4
2368	11	9640	9710	0.0	39.3	37.2	136.1
2369	11	9130	9730	0.0	57.7	61.2	86.5
2370	11	9020	9560	0.0	81.5	32.9	91.6
2371	4	8500	9320	0.2	106.9	30.6	99.0
2372	11	9940	9370	0.0	53.0	53.7	96.6
2373	11	9880	9200	0.1	89.5	29.1	86.2
2374	8	9950	8850	0.0	59.4	30.1	86.9
2375	4	6980	9400	0.0	96.8	48.0	78.8
2376	4	6860	9430	0.0	96.1	51.7	95.7
2377	4	7430	8910	0.0	106.2	39.2	89.2
2378	2	7110	8750	0.1	121.1	47.7	105.3
2379	2	7200	8680	0.0	109.6	38.9	94.6
2380	2	6850	8460	0.0	96.8	41.8	80.7
2381	2	6970	8050	0.0	68.9	24.6	64.3
2382	2	6040	8430	0.0	84.2	46.3	87.2
2383	2	5950	8250	0.0	99.9	68.2	122.4
2384	2	5830	8350	0.0	53.7	52.4	112.1
2385	2	5790	8820	0.0	92.6	51.0	75.3
2386	4	5600	9540	0.0	75.2	40.6	72.6
2387	4	5050	9720	0.0	73.8	40.2	80.2
2388	4	5150	9880	0.0	69.0	36.5	93.2
2389	8	9700	7620	0.0	83.9	20.3	71.2
2390	8	9550	7280	0.0	64.7	32.2	73.7
2391	8	8850	6890	0.0	71.8	22.7	69.9
2392	8	8200	6300	0.0	91.2	34.5	89.9
2393	2	8000	5900	0.0	56.4	46.5	113.4
2394	4	7700	5360	0.0	36.7	0.0	49.9
2395	8	7470	7020	0.0	66.3	20.4	66.2
2396	2	7260	7030	0.0	81.1	20.1	61.8
2397	2	7320	7250	0.0	71.9	34.1	99.2
2398	2	430	9960	0.0	35.1	32.3	57.6
2399	3	250	9950	0.0	35.4	27.6	48.9
2400	3	500	9270	0.2	69.9	32.9	87.8
2401	2	530	8960	0.0	54.9	47.0	65.7
2402	3	310	8650	0.0	36.7	40.1	66.8
2403	3	150	7750	0.0	28.3	27.5	52.9
2404	4	4670	8030	0.1	40.9	30.9	71.3
2405	4	4260	8030	0.0	61.7	26.1	64.2

SAMPLE NO.	ROCK	COORDINATE -X	Y	AG (PPM)	CU (PPM)	PB (PPM)	ZN (PPM)
2406	4	4150	7940	0.0	57.6	30.0	81.8
2407	2	4400	7760	0.0	53.0	23.0	57.8
2408	2	4700	7000	0.0	53.7	35.0	69.3
2409	2	4610	5940	0.0	52.5	27.8	68.3
2410	2	4450	5870	0.0	46.6	29.4	70.7
2411	2	4900	5200	0.0	87.2	56.4	99.4
2412	4	2600	8600	0.1	20.8	52.6	63.9
2413	4	2480	8480	0.0	44.5	25.1	51.0
2414	4	2300	8720	0.0	43.6	46.7	56.5
2415	4	1630	8500	0.0	40.2	57.6	44.0
2416	4	1570	8610	0.0	56.5	60.3	35.9
2417	2	1230	7950	0.0	46.6	39.2	54.2
2418	2	820	7600	0.1	50.6	28.5	90.3
2419	2	620	7560	0.0	52.8	46.3	91.3
2420	2	800	6800	0.1	15.8	43.8	38.8
2421	4	270	6660	0.0	36.7	27.4	69.2
2422	4	1030	6000	0.0	42.1	28.7	54.4
2423	2	1450	5950	0.0	13.2	33.2	24.9
2424	4	1340	5560	0.0	36.6	25.6	45.0
2425	2	2310	5500	0.0	53.9	32.5	76.7
2426	7	22950	3960	0.0	2.2	13.7	31.4
2427	7	23100	3350	0.0	2.4	8.6	25.8
2428	7	23110	2750	0.0	1.8	10.8	7.7
2429	7	22980	2600	0.0	1.2	8.6	3.3
2430	7	23270	2150	0.0	1.4	8.3	3.0
2431	7	24330	1740	0.0	2.3	0.0	18.7
2432	7	24180	1690	0.0	2.4	14.0	30.3
2433	7	24400	1430	0.0	1.6	9.4	29.1
2434	7	24070	1050	0.0	1.8	17.8	21.2
2435	7	24580	380	0.0	2.1	12.7	32.8
2436	7	24150	200	0.0	10.4	44.8	49.0
2437	7	23230	420	0.0	3.0	28.9	44.1
2438	7	23140	320	0.0	2.9	14.9	39.2
2439	7	23000	240	0.0	9.9	36.8	44.0
2440	7	22320	1050	0.0	9.8	14.0	50.0
2441	7	22360	1180	0.0	6.1	15.4	55.8
2442	5	18800	90	0.0	4.8	12.4	26.3
2443	5	18490	130	0.0	5.3	0.0	28.4
2444	7	18240	120	0.0	12.4	15.8	15.0
2445	7	17320	330	0.0	3.2	33.3	49.8
2446	5	16900	400	0.0	3.6	25.8	44.0
2447	7	16850	660	0.0	2.7	24.8	38.2
2448	7	16870	800	0.0	1.7	13.3	33.6
2449	5	16300	1050	0.0	10.9	43.8	45.9
2450	7	16180	1460	0.0	1.9	20.9	30.6
2451	7	16070	1630	0.0	2.0	44.8	57.0
2452	7	15830	1830	0.0	9.2	40.9	51.9
2453	5	15560	1990	0.0	3.3	9.0	15.5
2454	7	15800	2030	0.0	3.8	21.0	39.4
2455	7	15530	2400	0.0	4.6	5.9	14.3
2456	5	15100	2700	0.0	12.3	8.8	30.7
2457	7	14820	3190	0.0	7.4	17.8	22.7
2458	7	14780	3380	0.0	11.1	8.8	26.5
2459	5	14560	3250	0.0	4.9	7.3	27.9
2460	7	14830	3620	0.0	4.7	7.7	32.1
2461	5	14640	3730	0.0	6.3	8.3	17.6
2462	7	14170	3380	0.0	4.2	8.7	14.9
2463	7	13980	3600	0.0	5.2	0.0	34.9
2464	7	13960	3490	0.0	6.0	22.2	28.9
2465	5	13870	3710	0.0	9.1	11.8	19.9
2466	5	13630	3450	0.0	11.1	8.6	21.2
2467	5	13420	3540	0.2	0.0	8.8	27.8
2468	5	12320	4630	0.0	6.4	0.8	26.8
2469	4	11470	4020	0.0	7.3	5.4	15.5
2470	7	11000	3900	0.0	11.0	30.3	31.4
2471	7	10800	3740	0.0	4.3	11.9	30.6
2472	7	12900	50	0.0	7.1	7.8	23.7
2473	7	12460	160	0.0	7.1	1.9	22.9
2474	7	11900	1050	0.0	8.3	12.2	21.0
2475	7	11800	1110	0.0	5.1	6.5	17.5
2476	7	11620	600	0.0	6.8	6.9	16.0
2477	7	11650	400	0.0	3.5	8.9	19.0
2478	7	11280	2020	0.0	3.3	16.8	32.5
2479	7	11060	2000	0.0	6.7	12.7	34.5
2480	7	10650	1160	0.0	3.5	14.8	32.6
2481	7	10080	170	0.0	3.7	5.6	16.3
2482	7	9150	3670	0.0	3.3	21.1	33.5
2483	7	8960	3800	0.0	0.9	2.3	11.0
2484	7	7580	4280	0.0	4.7	0.0	24.8
2485	7	8940	1650	0.0	1.8	11.9	16.2
2486	7	8450	2050	0.0	2.7	13.3	25.5
2487	7	8130	2400	0.0	34.5	42.6	212.1
2488	7	7600	2320	0.0	16.5	16.4	35.8
2489	7	7120	3100	0.0	2.4	0.0	43.0
2490	4	5950	3220	0.0	56.6	28.6	61.3
2491	4	5720	3600	0.0	65.7	29.8	48.6
2492	2	5200	4760	0.1	107.2	32.6	73.0
2493	7	7500	50	0.0	2.9	19.9	21.6
2494	7	7250	220	0.0	5.0	16.6	28.2
2495	7	7230	350	0.0	5.8	15.4	29.6
2496	2	5650	1400	0.0	39.1	27.9	87.7
2497	2	4950	4250	0.0	71.2	66.5	71.9
2498	2	4800	4600	0.0	56.5	36.9	78.6
2499	2	4400	4730	0.0	65.7	66.4	113.2
2500	2	3960	4830	0.0	32.8	46.0	79.5
2501	2	3530	4620	0.0	81.2	43.5	95.5
2502	2	3170	4950	0.0	41.6	37.6	75.8
2503	2	2860	4720	0.0	71.6	39.9	100.8
2504	5	2280	4450	0.0	43.0	30.2	66.1
2505	2	1750	4580	0.0	62.7	32.1	109.5

SAMPLE NO.	ROCK	COORDINATE -X	COORDINATE Y	AG (PPM)	CU (PPM)	PB (PPM)	ZN (PPM)
2506	2	1300	4360	0.0	74.5	35.8	83.7
2507	5	840	4310	0.0	65.8	32.4	82.9
2508	5	630	4350	0.0	58.0	40.2	87.2
2509	5	800	3220	0.1	77.4	0.0	81.3
2510	5	630	3160	0.2	71.8	28.2	71.4
2511	2	4710	1180	0.0	35.9	37.1	101.6
2512	2	4550	820	0.0	43.6	40.2	108.6
2513	2	4400	950	0.0	33.9	44.5	115.8
2514	2	4020	800	0.0	42.4	38.9	115.2
2515	2	3990	1240	0.0	45.7	43.5	117.7
2516	5	3000	1540	0.0	27.7	34.3	91.3
2517	5	2970	1400	0.0	28.3	32.5	58.0

SAMPLE NO.	ROCK	COORDINATE -X	COORDINATE Y	AG (PPM)	CU (PPM)	PB (PPM)	ZN (PPM)

Apx. 2 Microscopic Observation of Rock Thin Sections

(1)

No.	Sample No.	Coordinates −X	Coordinates Y	Rock Name	Rock Code	Texture	Phenocrysts or Fragments: Qz	Pl	Kf	Bi	Hb	Sp	Ap	C	Ag	Fe	Bs	Ad	Dc	Rh	Sc	Tf	Grandmass or matrix: Qz	Pl	Kf	Bi	Hb	Ag	Cx	Fe	Gl	Pu	Mf	Alteration Minerals: Qz	Ca	Ch	Ep	Se	Py	Remarks
1	A−11	21,900	25,840	Pelitic schist	Jsch									•																				◎		◎		◎		Siliceous
2	A−14	22,430	27,100	Pelitic schist	Jsch																	◎	◎						○						◎		○			
3	KM−28	17,180	12,650	Pelitic schist	Jsch																	◎												◎		○		○		
4	KM−42	18,530	16,740	Pelitic schist	Jsch																		○											○		◎		○		
5	WCUM−4	20,010	24,260	Sandstone	Jsch														◎			◎								◎				◎		○		○		
6	KM−60	10,980	11,920	Shale	Ksh 1		•	•																																Siliceous
7	MAD−9	6,810	13,060	Shale	Ksh 1		○	○						•																									○	
8	MR−3	17,610	27,410	Shale	Ksh 1		•							•																											
9	WDS−2	5,300	18,670	Shale	Ksh 1		○	•															◎	○							◎	○	○						•	
10	A−10	18,420	26,650	Dacite	Kdc 1-b																				○						◎			○		○		◎		•
11	WCONW−2	15,750	13,470	Sandy Tuff	Kdc 1-b														◎	○			◎	◎							◎			○		○		◎	•	
12	WCU−5	15,950	30,540	Lapilli Tuff	Kdc 1-b														◎				○	○							◎			○		○		○	•	Dacitic
13	DA−16	12,290	12,980	Dacite	Kdc 1-b			○		○													◎	○	◎	○				○				○		○		○		
14	WCU−11	15,600	31,320	Dacite	Kdc 1-b	Vitric																	◎	○							◎			○		○		○		
15	WCUM−22	17,020	30,540	Dacite	Kdc 1-b	Vitric	○		○																						◎			○		○				Nearly aphyric
16	KM−2	2,300	23,330	Lapilli Tuff	Koh-b													◎	◎		○		○	◎						○	◎			○		○		○		
17	KM−21	5,300	28,150	Lapilli Tuff	Koh-b													◎	◎		○		◎	◎						○	◎			○		○	○	○		
18	KM−27	14,950	12,560	Lapilli Tuff	Koh-b														◎			◎	◎		○	○				○				○		○		○		Rhyolitic
19	L−4	5,150	30,400	Coarse Tuff	Koh-b													○				◎	◎	○	○				○	◎			○		○	○	○	•	Rhyolitic
20	WCR−1	500	26,600	Lapilli Tuff	Koh-b															○			◎	◎	○						◎			○			○		•	Rhyolitic
21	WCU−14	15,430	31,720	Shale	Koh-b																							○						○		○	○			Siliceous
22	WCR−2	880	26,600	Basalt	Kbs 1																		◎	○				◎	○	○	◎						◎	◎	○	
23	WCR−8	2520	27,600	Basaltic Tuff (?)	Kbs 1											◎											○			◎					○	◎	◎			
24	KM−13	500	23,950	Basalt	Kbs 1			◎			◎				◎	○																				◎	◎			
25	KM−35	12,100	10,300	Dacite	Kdc-sh			○		○													◎	◎	○	◎				○				○		◎	◎			

Abbreviation

◎ : Abundant ◎ : Common ○ : Minor • : Rare

Qz : Quartz
Pl : Plagioclase
Kf : K-feldspar
Bi : Biotite
Hb : Hornblend
Sp : Sphene
Ap : Apatite
C : Carbon matter
Ca : Calcite
Py : Pyrite
Cx : Clinopyroxene
Ag : Augite
Fe : Iron minerals
Se : Sericite
Ch : Chlorite
Ep : Epidote
Bs : Basalt
Ad : Andesite
Gl : Glass
Pu : Pumice
Dc : Dacite
Rh : Rhyolite
Md : Mudstone
Sc : Schist
Tf : Tuff

No.	Sample No.	Coordinates		Rock Name	Rock Code	Texture	Phenocrysts or Fragments													Grandmass or matrix									Alteration Minerals						Remarks
		-X	Y				Qz	Pl	Kf	Bi	Hb	Sp	Ap	C	Ag	Fe	Bs	Ad	Dc	Rh	Sc	Tf	Qz	Pl	Kf	Bi	Hb	Ag	Cx	Fe	Gl	Pu	Md	Qz	Ca	Ch	Ep	Se	Py	
26	KM-39	10,450	10,630	Dacite	Kdc-sh	Porphyritic	◎	○																					◎				○		○		◎	•	
27	WCON-6	13,630	10,850	Dacite	Kdc-sh	Vitric	◎	○		○						○													◎				○		○		◎		
28	WCUM-16	16,300	29,220	Coarse Tuff	Kdc-sh														○				◎	○						◎	○			○		○		○		
29	ENC-1	4,880	1,060	Andesite	Tad 1	Hyalopilitic		◎			◎				◎	○							○							◎						○		○		
30	MAD-3	2,680	13,420	Andesite	Tad 1	Porphyritic		◎		◎					○	○							◎						○	○	◎			○	○	○	○			
31	L-40	2,250	5,420	Conglomerate	Tss 1												◎	◎	◎				◎							○			◎		○					
32	ENC-6	7,860	5,900	Basalt	Tad 2	Subophitic		◎															◎					◎	○	◎					○				
33	VER-2	5,830	36,850	Andesite	Tad 2	Porphyritic		◎			○					○							◎	◎					○	○	○			○		○	○			
34	MIN-1	2,450	11,050	Lapilli Tuff	Tdc 1															◎					○						◎			○	○	○	○	○	•	
35	VER-6	4,420	36,130	Dacite	Tdc 1	Cryptocrystalline	○	◎															○	○							◎			○		○		○		
36	A-1	12,430	31,050	Quartz Monzonite	Gd	Equigranular	◎	◎	◎	○		•				○																				○	○			Medium-grained
37	A-4	23,980	28,410	Granophyre	Gd	Granophyric	◎	○	◎	○						○																				○				
38	A-21	10,720	12,950	Quartz Monzonite	Gd	Porphyritic	○	◎	○	○	○					○							◎	○	◎	○	○								•		○	○	○		
39	ENC-5	7,600	5,300	Granite	Gd	Unequigranular	◎	○	◎	◎			○			○																					○				
40	KM-46	24,340	3,190	Granite	Gd		◎		◎	◎		○				○																					○	○			
41	MAD-4	3,780	16,700	Granodiorite	Gd	Porphyritic	◎	◎		◎													◎	○	◎	○				○				○		○	○			
42	KM-5	3,420	23,100	Diorite porphyry	Gph	Holocrystalline		◎		○	◎					◎							◎	◎	○	○	○			○				○		○	○			Fine holocrystalline
43	G-48	11,170	19,900	Dacite	Dc	Cryptocrystalline	◎	○	○	○						○							○		○						◎			○		○		○		
44	MAD-6	4,800	14,500	Dacite	Dc	Felsic	○																												○		○				
45	WCR-6	2,100	27,530	Dacite	Dc	Vitric		○		○						○																			○		○	○	○		Aphyric
46	LOB-1	16,620	38,820	Andesite	Ad	Porphyritic		◎			○					○							◎	◎	○		○			○				○		○	○		•	
47	LOB-3	14,800	37,650	Andesite	Ad																		○	◎	○	○	◎			○				○		○	○	○		
48	KM-41	11,320	8,870	Andesite	Ad	Interaertal		◎							◎	○								◎					○	○	○				○	○	○	○		
49	KM-65	14,550	7,350	Andesite	Ad	Holocrystalline		◎							○	○							○	◎	○				◎	◎				○		○	○			Medium-grained
50	WDS-14	7,180	16,500	Andesite	Ad	Subophitic																		◎	○				◎	○	○								

Abbreviation

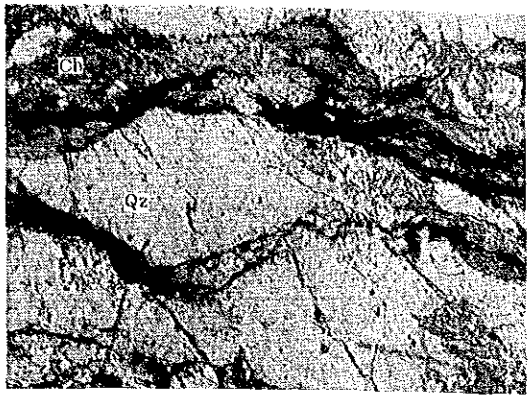
◎ : Abundant ◎ : Common ○ : Minor • : Rare

Qz : Quartz Hb : Hornblend Ca : Calcite Fe : Iron minerals Bs : Basalt Dc : Dacite Tf : Tuff
Pl : Plagioclase Sp : Sphene Py : Pyrite Se : Sericite Ad : Andesite Rh : Rhyolite
Kf : K-feldspar Ap : Apatite Cx : Clinopyroxene Ch : Chlorite Gl : Glass Md : Mudstone
Bi : Biotite C : Carbon matter Ag : Augite Ep : Epidote Pu : Pumice Sc : Schist

Apx. 3 Microphotographs of Rock Thin Sections

Abbreviation

Qz	:	Quartz
Pl	:	Plagioclase
Kf	:	K-feldspar
Bi	:	Biotite
Hb	:	Hornblende
Ag	:	Augite
Ch	:	Chlorite
Se	:	Sericite
Fe	:	Iron mineral
Gl	:	Glass

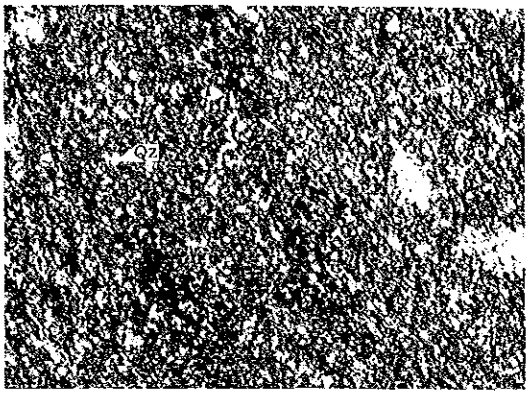


Open nicol

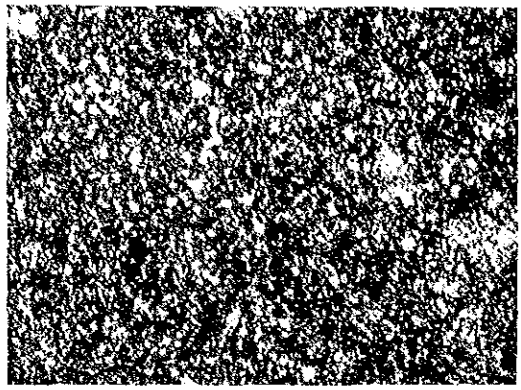
Crossed nicols

Sample No. : KM-42
Location : Arroyo el Encino
Rock Name : Pelitic schist

1 mm



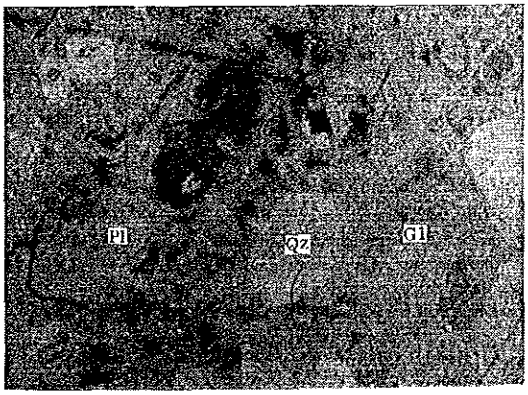
Open nicol



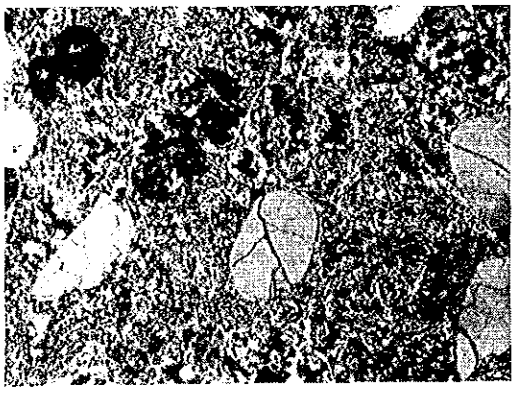
Crossed nicols

Sample No. : KM-60
Location : El Bramador (N)
Rock Name : Shale

1 mm



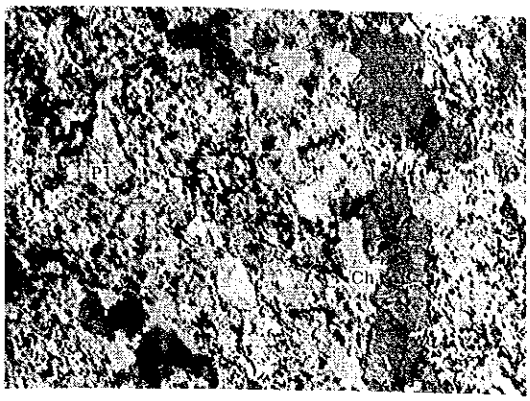
Open nicol



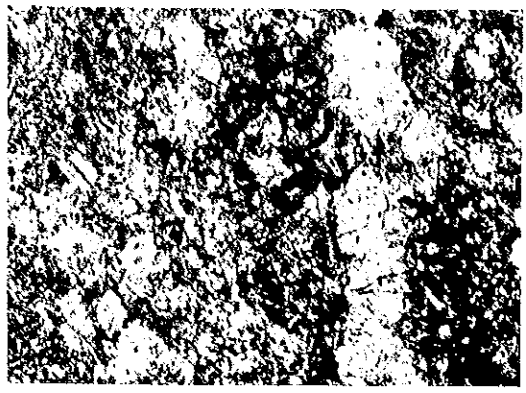
Crossed nicols

Sample No. : WCU-11
Location : Arroyo Olla
Rock Name : Dacite

1 mm



Open nicol



Crossed nicols

Sample No. : WCR-2
Location : La Crucecita
Rock Name : Basalt

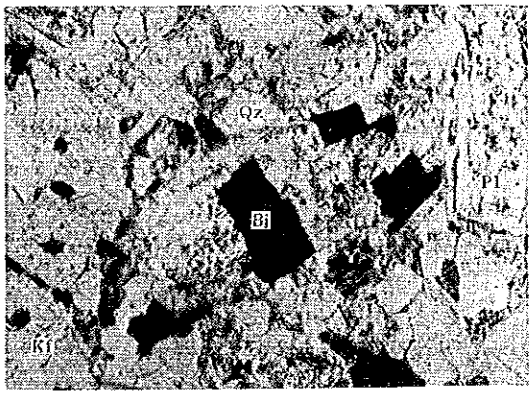
1 mm

Open nicol

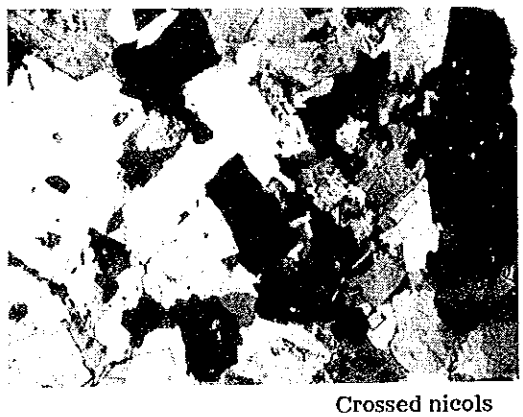
Crossed nicols

Sample No. : ENC-1
Location : Los Encino
Rock Name : Andesite

1 mm



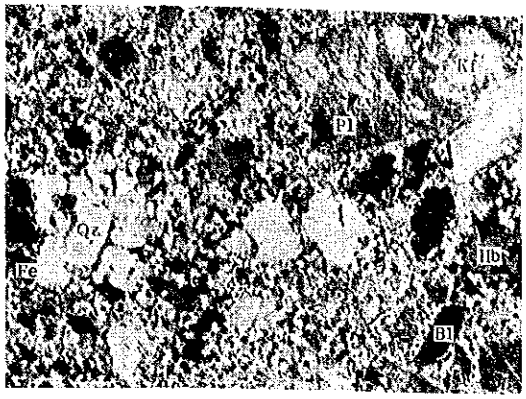
Open nicol



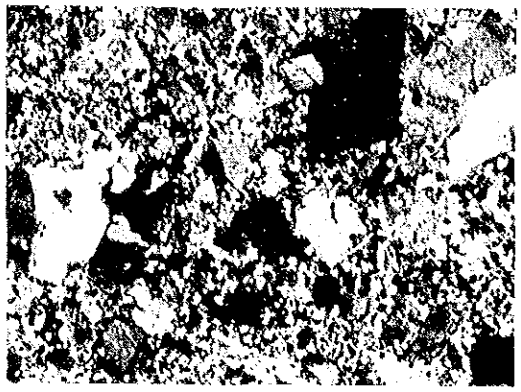
Crossed nicols

Sample No. : A-1
Location : Cuale
Rock Name : Quartz Monzonite

1 mm



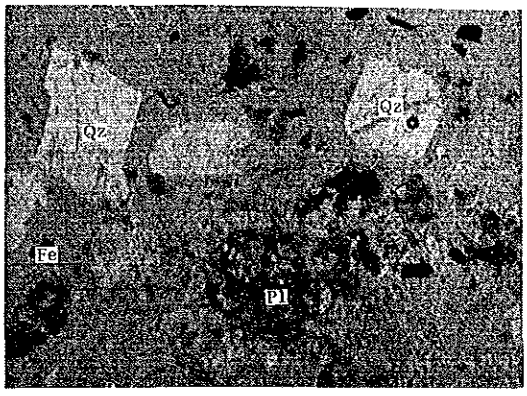
Open nicol



Crossed nicols

Sample No. : A-21
Location : La Concha (E)
Rock Name : Quartz Monzonite

1 mm

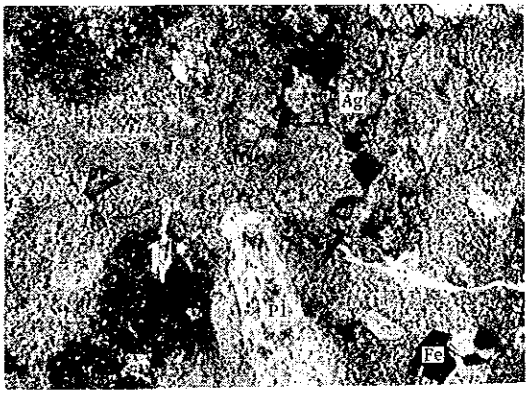


Open nicol

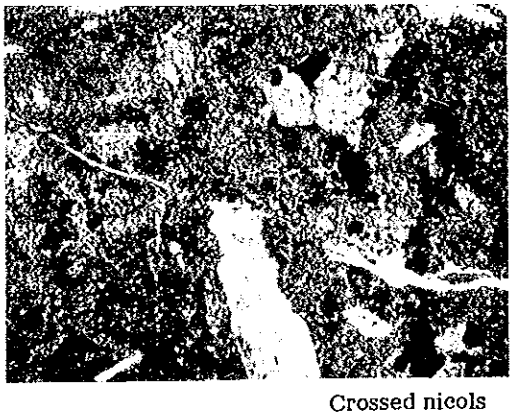
Crossed nicols

Sample No. : G-48
Location : El Mirador (N)
Rock Name : Dacite

1 mm



Open nicol



Crossed nicols

Sample No. : KM-41
Location : La Joya
Rock Name : Andesite

1 mm

Apx. 4 Chemical Composition of Volcanic Rocks

	No.	Sample No.	Rock Code	Coordinates		Chemical Composition (wt. %)												Alkali Alteration Index
				-X	Y	SiO_2	TiO_2	Al_2O_3	Fe_2O_3	FeO	MnO	MgO	CaO	Na_2O	K_2O	P_2O_5	LOI	BaO	
103	1	CB-7	Kdc-sh	12,670	10,550	71.09	0.14	13.28	1.34	1.27	Tr	2.55	0.09	0.63	0.65	0.02	2.75	0.03	82
104	2	CB-18	Kdcl-a	2,160	18,600	71.52	0.11	13.08	0.77	0.72	Tr	1.19	0.03	1.58	4.32	0.03	1.42	0.10	77
105	3	CC-11	Kdcl-b	16,650	28,450	79.92	0.05	9.55	1.33	0.11	Tr	0.56	0.01	0.07	2.62	0.01	1.56	0.26	98
106	4	D-4	Kdc-sh	13,470	10,940	74.03	0.10	12.44	0.65	0.14	Tr	0.11	Tr	0.66	7.61	0.04	0.86	0.14	92
107	5	D-17	Kdc-sh	14,220	12,850	68.97	0.27	14.09	3.22	0.73	Tr	1.48	0.01	0.10	4.43	0.06	2.76	0.07	98
108	6	D-61	Kdcl-b	10,520	11,030	79.00	0.20	8.76	0.20	1.18	Tr	0.68	0.22	2.38	1.38	0.05	0.91	0.22	44
109	7	D-62	Kdcl-b	13,010	11,530	78.57	0.05	0.71	16.43	0.22	Tr	0.02	Tr	Tr	0.04	0.02	2.67	Tr	100
110	8	D-68	Kdcl-b	12,000	10,580	68.37	0.52	14.75	1.47	1.11	0.01	0.56	0.13	4.34	3.24	0.08	1.05	0.10	46
111	9	D-82	Kdcl-b	15,180	7,630	70.79	0.28	13.80	0.95	2.20	0.01	0.90	0.05	0.92	5.16	0.06	1.29	0.10	86
112	10	DA-4	Kdcl-b	12,540	12,270	78.38	0.12	10.54	0.57	0.29	Tr	0.10	0.03	2.58	3.34	0.02	0.62	0.12	57
113	11	DA-16	Kdcl-b	12,290	12,980	75.79	0.12	13.78	0.66	0.24	Tr	0.05	0.03	3.83	3.43	0.02	0.90	0.14	47
114	12	DA-69	Kdcl-b	20,760	38,260	91.23	0.08	0.47	2.39	0.19	Tr	0.01	Tr	Tr	0.03	0.01	0.19	0.03	100
115	13	DA-73	Kdcl-b	15,130	27,700	76.89	0.09	9.81	0.89	0.40	Tr	0.26	Tr	0.20	5.93	0.02	1.28	0.07	97
116	14	DG-12	Kdc-sh	12,500	11,830	85.22	0.08	6.86	0.86	0.13	Tr	0.32	Tr	0.04	1.33	0.01	1.67	Tr	98
117	15	DG-22	Kdcl-b	21,200	38,860	73.23	0.14	7.25	9.10	0.32	Tr	0.06	0.01	0.06	0.47	0.04	2.32	Tr	88
118	16	DK-2	Kdcl-b	13,370	13,500	75.89	0.05	14.46	0.57	0.17	Tr	0.25	Tr	0.04	0.99	0.01	3.63	0.03	97
119	17	G-12	Dc	20,450	29,900	75.81	0.06	11.59	0.29	0.68	Tr	0.68	0.03	3.92	2.54	0.01	0.80	0.03	45
120	18	G-38	Dc	3,940	39,600	72.52	0.07	13.08	0.50	0.84	Tr	0.39	0.02	3.62	5.05	0.01	0.48	0.06	60
121	19	G-61	Kdcl-b	19,950	38,250	69.38	0.13	9.85	5.06	4.00	Tr	1.80	0.01	0.02	1.88	0.05	4.40	Tr	99
122	20	L-33	Kdcl-b	19,800	38,020	74.31	0.09	7.02	1.09	5.67	Tr	2.15	0.03	0.07	0.73	0.03	2.20	Tr	97
123	21	MIN-1	Tdcl	2,150	10,820	67.23	0.15	14.72	0.62	1.48	Tr	0.66	0.26	2.97	3.38	0.09	2.09	0.04	56
124	22	MC-3	Dc	17,040	25,470	84.05	0.03	8.06	0.11	0.34	Tr	0.12	0.01	2.65	1.98	0.01	0.19	0.07	44
125	23	KM-18	Dc	6,220	31,560	75.32	0.09	12.51	0.43	0.24	Tr	0.04	0.02	2.40	4.83	0.03	0.54	0.07	67
126	24	KM-47	Kdcl-b	17,760	33,250	78.51	0.06	9.79	0.14	0.24	Tr	0.27	0.04	2.62	3.59	0.01	0.26	0.17	59
127	25	WCM-3	Kdcl-b	4,980	23,140	76.47	0.04	11.68	0.42	1.00	Tr	1.76	0.03	2.90	1.53	Tr	1.60	0.06	53
128	26	WCM-10	Kdcl-b	4,270	23,500	68.49	0.31	14.31	1.20	0.51	Tr	0.62	0.18	3.21	3.30	0.09	2.19	0.10	54
129	27	WCON-11	Kdcl-b	16,020	29,660	75.52	0.17	10.18	0.30	0.56	Tr	0.26	0.03	1.30	6.91	0.05	0.42	0.16	84
130	28	WCU-4	Kdcl-b	15,750	31,260	79.36	0.07	10.56	0.18	0.75	Tr	0.36	0.03	1.82	5.19	0.01	0.31	0.07	75
131	29	WCU-10	Kdc-sh	14,330	31,350	80.90	0.06	9.42	0.09	0.77	Tr	0.73	0.04	3.37	1.10	0.01	0.72	Tr	34
132	30	WCU-15	Kdcl-b	18,610	26,500	78.16	0.05	10.16	1.72	1.17	Tr	1.12	0.01	0.08	2.35	0.01	2.14	0.07	97
133	31	WCUM-8	Kdcl-b	18,460	26,670	74.98	0.05	12.80	0.14	0.78	Tr	2.59	0.01	0.57	1.97	0.01	2.83	0.10	88
134	32	WCUM-9	Kdcl-b	17,980	27,070	77.14	0.08	9.44	0.30	0.48	Tr	1.90	0.01	2.60	1.98	0.01	1.47	0.10	60
135	33	WCUM-12	Kdcl-b	16,810	30,200	72.85	0.05	8.10	13.43	0.15	Tr	0.50	0.01	0.04	2.03	0.01	2.01	0.06	98
136	34	WCUM-20	Kdcl-b	14,850	7,600	75.72	0.06	9.00	0.91	0.72	Tr	0.29	0.01	1.34	6.63	0.01	0.70	0.12	84

Rock Code: refer to Fig. 3-1

103-136: reference number to Cluster Dendrogram of Rock Samples (Fig. 4-4)

Apx. 5 Microscopic Observation of Ore Polished Sections

(1)

No.	Mineralized Zones	Sample No.	Coordinates		Ore Minerals												Gangue Minerals						Remarks
			−X	Y	Sp	Cp	Gn	Py	Bo	Te	Asp	El	Ma	En	Co	Hem	Ba	Ca	Qz	Ch	Se	Car		
1	Chivos de Abajo	CHI-1	16,900	28,580	◎	○	○	◎	●	●					●		◎						Sphalerite-galena-chalcopyrite-pyrite ore
2	Chivos de Abajo	CHI-2	16,900	28,580	●	●		◎	●	●													Pyrite ore with chalcopyrite
3	La Amaltea	WDS-18	3,550	23,470	◎	●	○	◎		●			○				◎						Sphalerite ore
4	La Amaltea	KM-3	3,550	23,470	◎	●	○	○		●							◎						Sphalerite-galena-pyrite ore with tetrahedrite
5	La Amaltea	KM-4	3,550	23,470	○	○		◎		●													Pyrite-chalcopyrite-sphalerite ore
6	La Amaltea	KMO-3	3,730	23,200	◎	●	○	◎	◎														Sphalenite-bornite-galena-pyrite ore
7	San Pedro	KM-34	12,180	10,500	◎	●	◎	○															Sphalerite-galena ore
8	San Pedro	KM-61	12,200	10,630	●	●		◎	●														Pyrite ore
9	San Pedro	KM-63	11,900	10,400	◎		○	◎		●													Pyrite-sphalerite ore with galena
10	San Pedro	KM-64	11,910	10,250		●		●										◎					Carbonate rock with pyrite
11	Los Alpes	KMO-2	13,360	11,720	◎		◎	◎			●												Sphalerite-galena ore
12	El Limoncillo	L-22	13,400	17,050	◎		○	○								●							Sphalerite-galena ore
13	La Minita	MIN-2	2,450	11,050	●			●			◎								◎				Arsenopyrite-quartz ore
14	Refugio	MR-5	17,680	27,400	◎		◎	◎		●							○					◎	Sphalerite-galena ore
15	Naricero	NAR-1	17,070	27,280	○		○	○		●													Sphalerite-galena ore
16	Naricero	NAR-2	17,070	27,280	◎		◎	●									◎?						Sphalerite-galena ore

Abbreviation

Sp: Sphalerite Cp: Chalcopyrite Gn: Galena Py: Pyrite Bo: Bornite Te: Tetrahedrite Asp: Arsenopyrite El: Electrum

Ba: Barite Ca: Calcite Qz: Quartz Ch: Chlorite Se: Sericite Ma: Marcasite En: Enargite Co: Covelline

◎: Abundant ◎ : Common ○ : Minor ● : Rare Hem: Hematite Car: Carbonate

No.	Mineralized Zones	Sample No.	Coordinates		Ore Minerals												Gangue Minerals							Remarks
			−X	Y	Sp	Cp	Gn	Py	Bo	Te	Asp	El	Ma	En	Co	Hem	Ba	Ca	Qz	Ch	Se	Car		
17	Naricero	NAR-3	17,070	27,280	●	●	●	◎◎	●															Pyrite ore
18	Grandeza	ORO-1	14,250	26,550	◎	●	●	◎	●										◎?					Sphalerite-pyrite ore
19	Grandeza	ORO-2	14,250	26,550	◎◎	○	●	○				●												Sphalerite ore
20	Prieta	PRI-1	17,500	28,400	○	●	○	◎◎	●	●														Pyrite ore with sphalerite and galena
21	Prieta	PRI-2	17,500	28,400	◎◎	●	◎	◎		●							◎							Sphalerite-galena-pyrite ore
22	El Rubi	RUB-1	16,730	28,650	●	●		◎◎		●									○					Framboidal pyrite containing pyrite ore
23	San Rafael	SAN-1	13,880	25,300	◎◎		●	◎											●					Sphalerite-pyrite ore
24	San Rafael	SAN-2	13,880	25,300	○	●	●	●											◎◎					Sphalerite-quartz ore
25	Socorredora	SOC-1	17,430	28,180	◎◎	●	○	○																Sphalerite-galena ore
26	Socorredora	SOC-2	17,430	28,180	●	●	●	◎	●										◎◎					Pyrite-quartz ore
27	Cuatro Minas	W-1	4,650	23,450	●	●		○																Pyrite disseminated dacite
28	Cuatro Minas	W-2	4,650	23,450	◎◎	●	○	◎		●				●			◎?							Sphalerite-galena ore
29	La Olla	HO-1	16,800	31,930			●	◎◎																Pyrite ore

Abbreviation

Sp: Sphalerite　Cp: Chalcopyrite　Gn: Galena　Py: Pyrite　Bo: Bornite　Te: Tetrahedrite　Asp: Arsenopyrite　El: Electrum

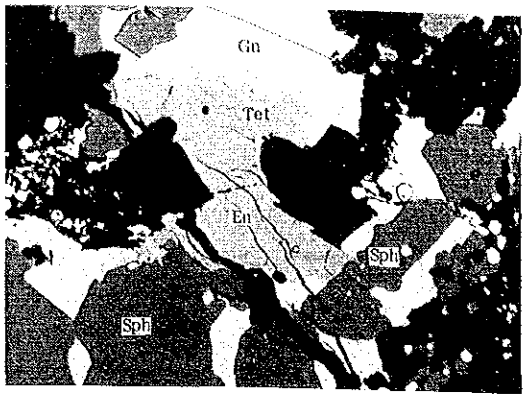
Ba: Barite　Ca: Calcite　Qz: Quartz　Ch: Chlorite　Se: Sericite　Ma: Marcasite　En: Enargite　Co: Covelline

◎◎: Abundant　◎: Common　○: Minor　●: Rare　Hem: Hematite　Car: Carbonate

Apx. 6 Microphotographs of Ore Polished Sections

Abbreviation

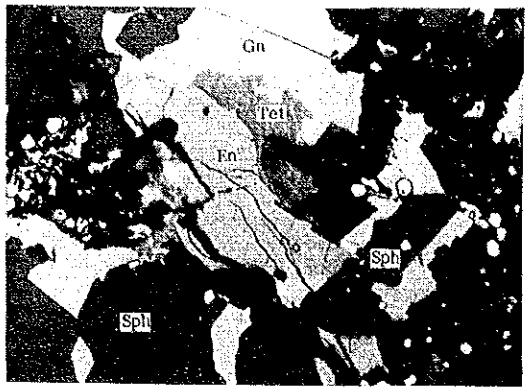
Sph	:	Sphalerite
Cp	:	Chalcopyrite
Gn	:	Galena
Py	:	Pyrite
Bo	:	Bornite
Tet	:	Tetrahedrite
El	:	Electrum
En	:	Enargite



Open nicol

Sample No. : W-2
Location : Cuatro Minas
Remarks : Shalerite-galena ore

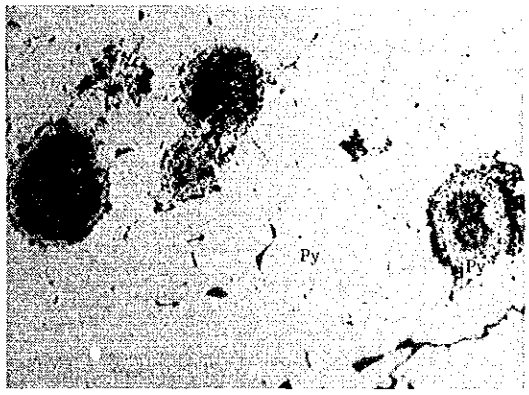
0.1 mm



Crossed nicols

Sample No. : W-2
Location : Cuatro Minas
Remark : Sphalerite-galena ore

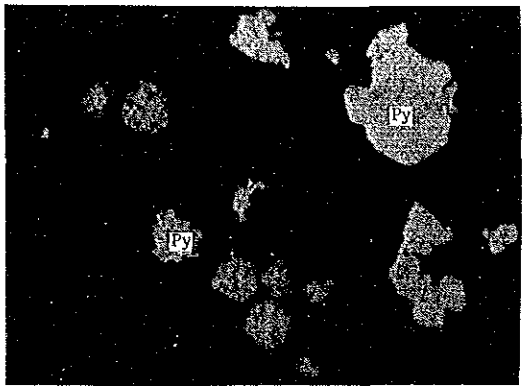
0.1 mm



Open nicol

Sample No. : RUB-1
Location : El Rubi
Remarks : Pyrite ore

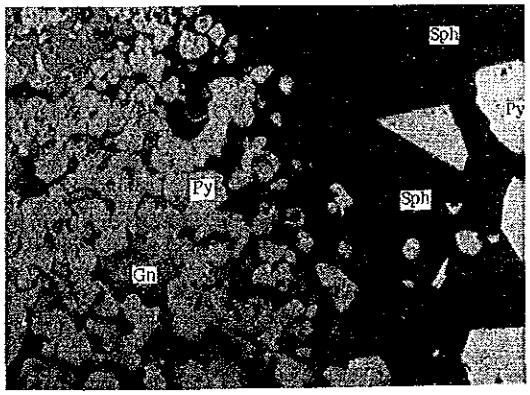
0.05 mm



Open nicol

Sample No. : SOC-2
Location : Socorredora
Remarks : Pyrite-quartz ore

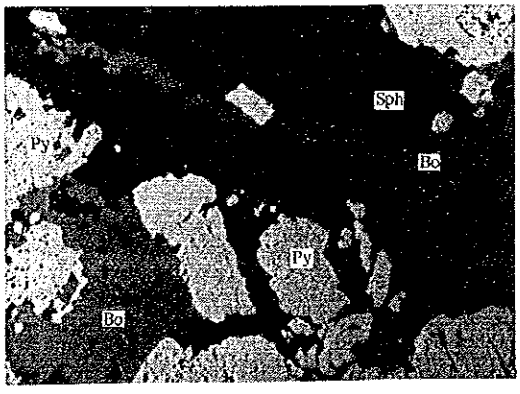
0.05 mm



Open nicol

Sample No. : PRI-2
Location : Prieta
Remarks : Sphalerite-galena-pyrite ore

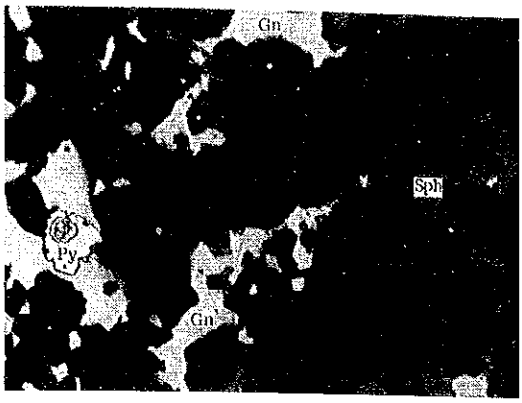
0.1 mm



Open nicol

Sample No. : KMO-3
Location : La Amaltea
Remarks : Sphalerite-galena ore

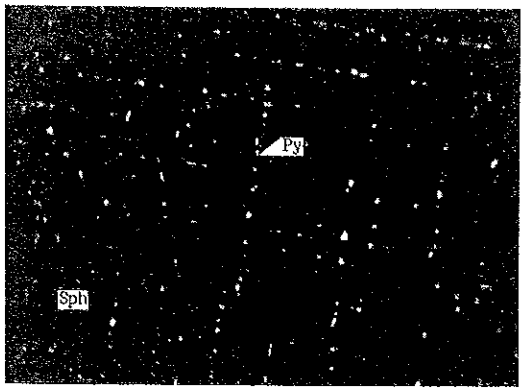
0.2 mm



Open nicol

Sample No. : NAR-1
Location : Naricero
Remarks : Sphalerite-galena-pyrite ore

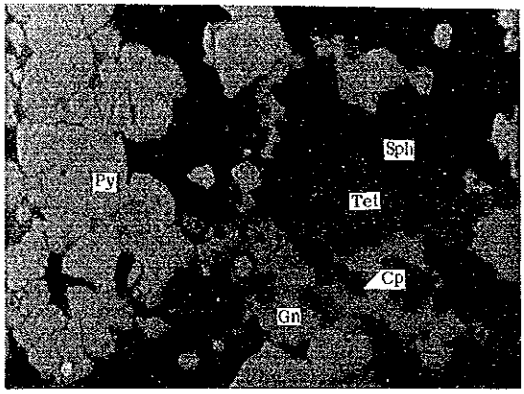
0.1 mm



Open nicol

Sample No. : NAR-2
Location : Naricero
Remarks : Sphalerite-galena ore

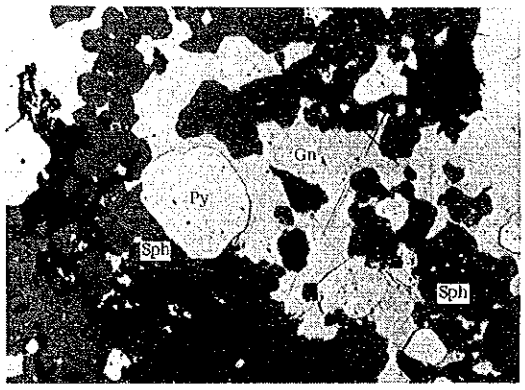
0.1 mm



Open nicol

Sample No. : CHI-1
Location : Chivos de Abajo
Remarks : Sphalerite-galena-chalcopyrite-pyrite ore

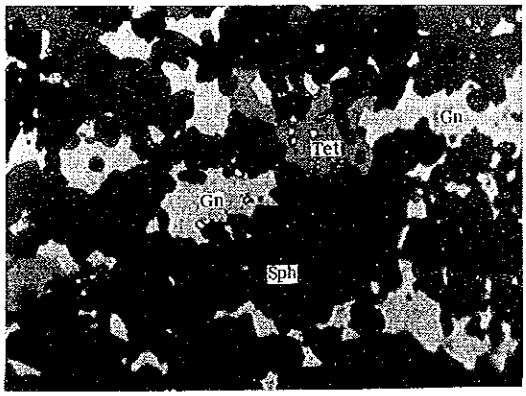
0.1 mm



Open nicol

Sample No. : KM-34
Location : San Pedro
Remarks : Sphalerite-galena ore

0.2 mm



Open nicol

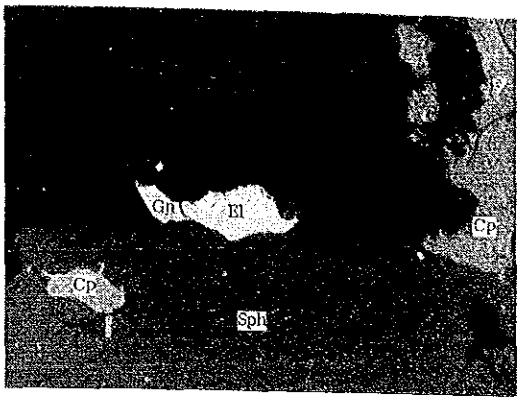
Sample No. : MR-5
Location : Refugio
Remarks : Sphalerite-galena ore

0.1 mm

Open nicol

Sample No. : L-22
Location : El Limoncillo
Remarks : Sphalerite-galena ore

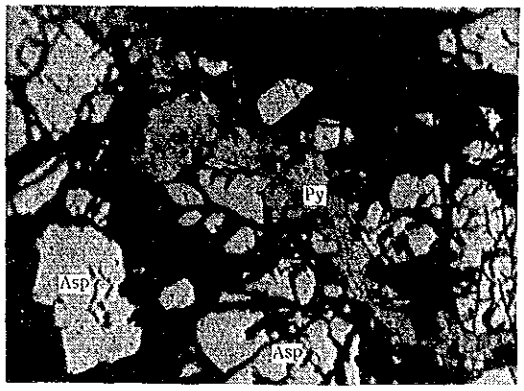
0.2 mm



Open nicol

Sample No. : ORO-2
Location : Grandeza
Remarks : Sphalerite ore with chalcopyrite, galena and pyrite

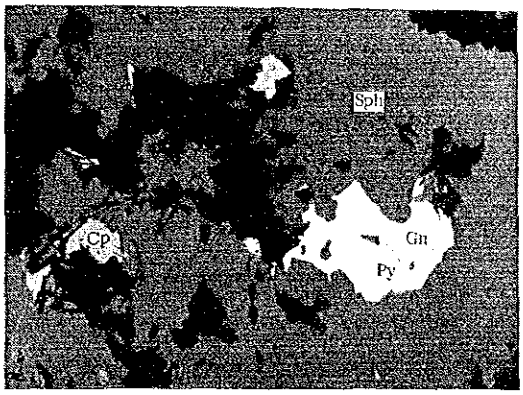
0.1 mm



Open nicol

Sample No. : MIN-2
Location : La Minita
Remarks : Arsenopyrite-quartz ore

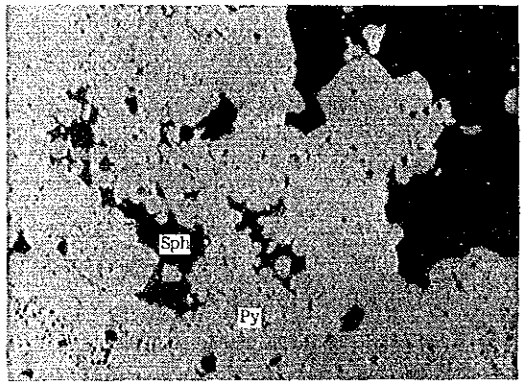
0.1 mm



Open nicol

Sample No. : SOC-1
Location : Socorredora
Remarks : Sphalerite-galena ore

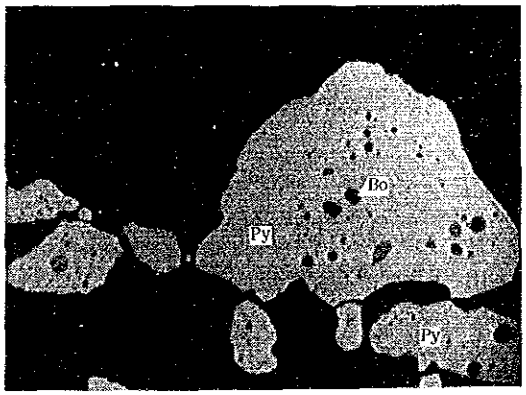
0.1 mm



Open nicol

Sample No. : NAR-3
Location : Naricero
Remarks : Pyrite ore

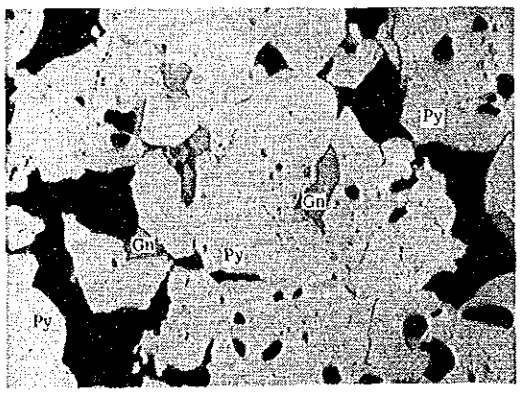
0.1 mm



Open nicol

Sample No. : W-1
Location : Cuatro Minas
Remarks : Pyrite impregnated ore

0.1 mm



Open nicol

Sample No. : PRI-1
Location : Prieta
Remarks : Pyrite ore with sphalerite and galena

0.2 mm

Apx. 7 Results of Chemical Analysis of Ore Samples

No.	Mineralized Zone	Sample No.	Coordinates		Analytical Results					Remarks
			-X	Y	Au(g/t)	Ag(g/t)	Cu(%)	Pb(%)	Zn(%)	
1	Chivos de Abajo	CHI-1	16,900	28,580	0.7	239	1.76	7.54	22.66	Kuroko ore
2	Chivos de Abajo	CHI-2	16,900	28,580	1.0	46	0.98	0.16	0.06	Oko ore
3	La Amaltea	KMO-3	3,730	23,200	1.0	64	2.60	0.87	29.39	Kuroko ore
4	La Amaltea	WDS-18	3,550	23,470	2.5	163	0.37	5.18	22.56	Sph ore (Kuroko ore)
5	La Amaltea	KM-3	3,550	23,470	3.5	145	0.46	3.81	11.20	Kuroko ore
6	La Amaltea	KM-4	3,550	23,470	2.6	50	3.69	0.12	2.70	Py-cp-sph ore
7	San Pedro	KM-34	12,180	10,500	0.5	87	0.26	13.25	23.56	Kuroko ore
8	San Pedro	KM-61	12,200	10,630	1.2	140	0.06	0.09	0.12	Py ore
9	San Pedro	KM-62	12,200	10,630	0.2	10	0.07	0.43	0.20	Gossan?
10	San Pedro	KM-63	11,900	10,400	0.6	130	0.04	2.12	3.73	Py-sph ore
11	San Pedro	KM-64	11,910	10,250	Tr	12	0.01	0.03	0.23	Carbonate rock
12	La Trozada-E	KMO-1	14,150	12,300	Tr	4	0.01	0.02	0.01	Waste
13	Los Alpes	KMO-2	13,360	11,720	1.0	89	0.27	19.03	28.75	Kuroko ore
14	Arriba de San Juan	DA-64	21,630	38,280	0.1	2	0.02	0.01	0.03	Gossan
15	El Limoncillo	L-22	13,400	17,050	0.1	112	0.35	7.02	12.58	Sph-gn ore
16	La Minita	MIN-1	2,450	11,050	Tr	2	0.01	0.06	0.12	Py-qz Vein
17	La Minita	MIN-2	2,450	11,050	3.4	14	0.01	0.24	0.04	Asp-qz ore
18	Rejugio	MR-5	17,680	27,400	0.1	111	0.07	0.82	1.80	Sph-gn ore
19	Naricero	NAR-1	17,070	27,280	0.6	405	0.14	1.87	7.08	Sph-gn-py ore
20	Naricero	NAR-2	17,070	27,280	2.0	3,504	0.24	7.14	13.65	Kuroko ore
21	Naricero	NAR-3	17,070	27,280	0.9	790	0.20	0.25	0.45	Py ore
22	Coloradita	O-1	16,360	28,830	13.3	80	0.16	0.78	0.20	Gossan
23	Grandeza	ORO-1	14,250	26,550	0.8	15	0.15	0.27	4.61	Sph-py ore
24	Grandeza	ORO-2	14,250	26,550	3.6	45	0.81	1.47	38.45	Sph ore
25	Prieta	PRI-1	17,500	28,400	0.9	624	0.13	1.42	0.80	Py ore (sph, gn)
26	Prieta	PRI-2	17,500	28,400	1.5	4,218	0.31	5.95	21.64	Sph-gn-py ore
27	El Rubi	RUB-1	16,750	28,650	0.4	2	0.01	Tr	Tr	Siliceous ore
28	El Rubi	RUB-2	16,750	28,650	2.4	28	0.02	0.06	1.02	Oko ore < Py ore
29	San Rafael	SAN-1	13,880	25,300	0.9	568	0.03	1.56	41.07	Sph-py ore
30	San Rafael	SAN-2	13,880	25,300	0.1	6	0.01	0.30	15.38	Sph-qz ore
31	Socorredora	SOC-1	17,430	28,180	Tr	49	0.15	8.92	23.73	Sph-gn ore
32	Socorredora	SOC-2	17,430	28,180	0.5	117	0.05	0.41	1.76	Py-qz ore
33	Cuatro Minas	W-1	4,650	23,450	0.8	6	0.04	0.03	0.02	Py Imp. ore
34	Cuatro Minas	W-2	4,650	23,450	1.1	708	0.03	2.68	7.08	Sph-gn ore
35	La olla	HO-1	16,800	31,930	1.6	1,518	0.03	0.58	0.24	Py ore

Apx. 8 Results of X-ray Powder Diffractometry

(1)

No.	Sample No.	Rock Name	Rock Code	Coordinates		Silica mineral	Silicate minerals								Carbonate minerals		Metal minerals			Others		
							Feldspars			Clay minerals												
				-X	Y	Qz	Pl	Ab	Kf	Se	Ch	S/M	C/M	Ka	Ca	Dol	Py	Gth	He	Ep	Hb	Pph
1	D-1	Dacitic fine tuff	Kdc-sh	13,320	9,970	* 19				1				5								
2	D-2	"	"	13,450	10,160	58				2				1								
3	D-3	"	"	13,600	10,830	46				2				2								
4	D-4	Dacite	"	13,470	10,940	48	4		13	1												
5	D-5	"	"	13,360	11,080	48				3				1								
6	D-6	"	"	13,300	11,260	55		30	6	1												
7	D-7	Dacitic medium tuff	Koh-b	13,350	11,920	43				3				2								
8	D-8	"	"	13,350	12,060	49				2				1								
9	D-9	"	"	13,350	12,250	61				1				3								
10	D-10	Dacitic fine tuff	"	13,350	12,430	49				1				1								
11	D-11	"	"	13,400	12,620	71				1				1								
12	D-12	Dacite	Kdc1-b	13,380	13,300	48	2		6	2				2								
13	D-13	Dacitic medium tuff	Koh-b	13,360	13,040	43	9			3	2											
14	D-14	"	"	13,360	12,970	63				7				4								
15	D-15	"	"	13,850	13,020	32			6	1				3								
16	D-16	Dacite	Koh-sh	13,990	12,970	50				3				2								
17	D-17	"	"	14,220	12,850	39			2	4												
18	D-18	Dacitic medium tuff	Koh-b	14,450	12,820	49				1				2								
19	D-19	"	"	14,630	12,690	30			4	4				1								
20	D-20	Dacitic coarse tuff	"	15,080	12,570	65				2				1								
21	D-21	"	"	15,360	12,460	64				2				1								
22	D-22	"	"	15,620	12,370	40	3		2	4				1								
23	D-23	"	"	15,800	12,300	53				4				3								
24	D-24	"	"	16,010	12,400	35				5				2								
25	D-25	Dacitic fine tuff	Koh-b	16,300	12,550	27				8												
26	D-26	"	"	14,450	13,510	38				8				4								
27	D-27	Dacite	Kdc1-b	14,150	13,360	39			15	6	2											
28	D-28	Dacitic medium tuff	Koh-b	13,980	13,460	38	9		6	17				1								
29	D-29	Dacitic coarse tuff	"	13,880	13,630	32				9		2		3								
30	D-30	Dacitic fine tuff	"	13,720	13,650	58				4				3								
31	D-31	"	"	13,600	13,600	43			6	4	1											
32	D-32	Dacite	Koh-b	13,620	12,550	41	6			3	1											
33	D-33	Dacitic medium tuff	"	14,150	12,360	83				2				1								
34	D-34	Dacitic coarse tuff	"	14,350	12,550	49				2				3								
35	D-35	Dacitic medium tuff	"	14,520	12,370	32	11			5	2											
36	D-36	"	"	14,050	11,950	46				3				2								
37	D-37	"	"	14,240	11,950	32				3				2								
38	D-38	"	"	14,360	11,750	35			5	2				1								
39	D-39	"	"	14,500	11,600	46			5	2				1	2							
40	D-40	"	"	14,630	11,470	37	8		10	2	1											
41	D-41	"	"	13,380	11,770	48				5												
42	D-42	"	"	13,800	11,590	52			1	3												
43	D-43	"	"	13,830	11,380	49				1				2								
44	D-44	"	"	13,880	11,140	46				1												
45	D-45	Dacitic coarse tuff	"	13,680	11,450	62				2												
46	D-46	Dacitic medium tuff	"	13,580	11,720	5									37		1					
47	D-47	"	"	13,550	11,930	50	4			2												
48	D-48	"	"	13,590	12,140	29	6			2												
49	D-49	"	"	13,600	12,330	48	37			1												
50	D-50	Dacitic fine tuff	Kdc-sh	10,300	10,030	43	2		3	1												
51	D-51	"	"	10,400	10,450	39				3				1								
52	D-52	Dacite	"	10,400	10,880	41	9		2	1												
53	D-53	Dacitic fine tuff	Koh-b	10,300	11,000	60				2				1								
54	D-54	"	"	10,450	11,160	61				2				1								
55	D-55	"	"	10,500	11,410	58			2	1				1								
56	D-56	"	"	10,580	11,650	50		0.5						1								
57	D-57	"	"	10,670	11,820	81								1								
58	D-58	"	"	10,760	11,450	39				4												
59	D-59	Dacite medium tuff	"	11,020	11,500	28	11			1												
60	D-60	Dacitic fine tuff	"	10,650	11,200	18				4												
61	D-61	Dacite	Kdc1-b	10,520	11,030	45	7			1												
62	D-62	"	"	13,010	11,530	82																
63	D-63	Altered tuff	Koh-b	12,980	11,330	13												4				
64	D-64	Dacitic coarse tuff	"	12,770	11,300	32	20			1												
65	D-65	Dacitic medium tuff	"	12,560	11,140	40	15		3	1												
66	D-66	"	"	12,400	10,950	46	10			1												
67	D-67	"	"	12,270	10,680	50				2												
68	D-68	Dacite	Kdc1-b	12,000	10,580	19	47		3	2												
69	D-69	Dacitic fine tuff	"	11,650	10,300	61				1				3								
70	D-70	"	Kdc-sh	11,620	10,010	24				4												
71	D-71	"	"	11,360	10,020	68				1												
72	D-72	Dacitic medium tuff	"	11,070	10,020	42			1	1												
73	D-73	"	"	10,780	10,050	39				5				1								
74	D-74	Dacitic fine tuff	"	10,650	9,860	54				2				2								
75	D-75	Dacite	Kdc1-b	14,800	7,490	35			4	2				8								
76	D-76	"	"	14,730	7,820	43			7	2												
77	D-77	"	"	14,320	7,840	39			13	4				3								

Abbreviation

Qz: Quartz, Pl: Plagioclase, Ab: Albite, Kf: K-feldspar, Se: Sericite, Ch: Chlorite
S/M: Sericite-Montmorillonite mixed-layer C/M: Chlorite-Montmorillonite mixed-layer
Ka: Kaolinite Ca: Calcite, Dol: Dolomite, Py: Pyrite, Gth: Goethite, He: Hematite
Ep: Epidote, Hb: Hornblend, Pph: Pyrophyllite,

*19: Quartz Index (QI)

$$QI = \frac{Im}{Iq} \times 100, \qquad Im: \text{the strongest x-ray intensity of a mineral}, \quad Iq: \text{the strongest x-ray intensity of pure quartz}$$

No.	Sample No.	Rock Name	Rock Code	Coordinates		Silica mineral	Silicate minerals								Carbonate minerals		Metal minerals			Others		
							Feldspars			Clay minerals												
				-X	Y	Qz	Pl	Ab	Kf	Se	Ch	S/M	C/M	Ka	Ca	Dol	Py	Gth	He	Ep	Hb	Pph
78	D-78	Dacitic fine tuff	Koh-b	14,080	7,590	36			1	4				4								
79	D-79	"	"	13,870	7,670	32				1				4			1					
80	D-80	"	Kdc-sh	13,790	7,890	31			1	1				2								
81	D-81	"	"	13,400	8,080	12	6		4				4									
82	D-82	Dacite	Kdc1-b	15,160	7,630	45	13		2	3												
83	D-83	"	"	15,100	7,400	40	7		3	4												
84	D-84	Dacitic fine tuff	Kdc-sh	10,030	9,810	24	15		3	1			1									
85	D-85	"	"	9,850	9,630	86	1		1	2												
86	D-86	"	"	9,780	9,850	39				1		1		4								
87	D-87	"	"	9,680	10,020	82				1												
88	D-88	"	"	9,580	10,260	39				4				2								
89	D-89	Altered tuff	"	9,540	10,480	32								6			1					
90	D-90	Dacitic medium tuff	"	9,560	10,730	34	23	23	4	6	10											
91	D-91	Dacitic fine tuff	"	9,730	10,890	44				1				4								
92	D-92	"	"	9,880	11,070	56				1	1											
93	D-93	Dacite	Kdc1-b	10,040	11,220	67				1				1								
94	D-94	Dacitic fine tuff	Koh-b	10,040	10,970	85				1												
95	D-95	Dacite	Kdc-sh	10,100	10,790	41	6			1	1											
96	D-96	"	Kdc1-a	2,000	17,640	46	17		7	2												
97	D-97	"	"	1,800	17,460	45			8	5												
98	D-98	"	"	1,610	17,430	76				2	1			1								
99	D-99	Dacitic coarse tuff	Koh-a	1,380	17,370	47	38			1	1											
100	D-100	"	"	720	17,330	86				1				2								
101	D-101	Dacitic fine tuff	"	400	17,340	26				1				2								
102	D-102	"	"	180	17,360	60					1			2								
103	DA-1	"	Kdc-sh	13,040	12,200	82				1				1								
104	DA-2	"	"	12,820	12,490	74					2			1								
105	DA-3	"	"	12,780	12,290	63	1			1				1								
106	DA-4	Dacite	Kdc1-b	12,540	12,270	40	14		6					2		6						
107	DA-5	Dacitic fine tuff	Kdc-sh	12,840	12,040	75	1		1	2												
108	DA-6	Dacitic medium tuff	Koh-b	13,560	12,750	40	37			2												
109	DA-7	"	"	13,770	12,740	26	50		8	1	5											
110	DA-8	"	"	13,810	12,560	30		38			4											
111	DA-9	"	"	13,900	12,380	69				1				3								
112	DA-10	"	"	13,990	12,200	65				1				4								
113	DA-11	"	"	13,290	12,740	65	1		3	1	1											
114	DA-12	"	"	13,080	12,880	63			6	1												
115	DA-13	Dacite	Kdc1-b	12,800	13,140	51				4				2								
116	DA-14	"	"	12,710	13,060	41				6				1								
117	DA-15	"	"	12,500	12,270	64				4				2								
118	DA-16	"	"	12,290	12,980	32	35		11	1												
119	DA-17	"	"	12,060	12,900	44	15			4												
120	DA-18	"	"	11,720	12,750	42				6				1								
121	DA-19	"	"	11,810	12,800	54			10	1	1											
122	DA-20	"	"	11,920	12,360	39	26		5	1	1											
123	DA-21	Dacite	Kdc1-b	12,240	12,600	77	25			4												
124	DA-22	Dacitic medium tuff	Koh-b	3,700	28,250	49	15			1	1											
125	DA-23	"	"	3,900	28,320	62	7		2	1	1											
126	DA-24	Dacitic lapilli tuff	"	4,080	28,340	15	38		6		2						2					
127	DA-25	"	"	4,300	28,400	46			4	1				1								
128	DA-26	Dacitic tuff breccia	"	4,450	28,520	58			5	2												
129	DA-27	"	"	4,590	28,360	41	3		2	2				1								
130	DA-28	"	"	4,460	28,100	33	27		3	2	1											
131	DA-29	"	"	4,230	27,390	20	37		6	3	2											
132	DA-30	"	"	3,970	27,300	48				5												
133	DA-31	"	"	4,140	27,150	18	62			1	1				9							
134	DA-32	"	"	4,350	26,960	22	28		4	1	1											
135	DA-33	"	"	4,460	26,620	40				4				5			1					
136	DA-34	"	"	5,850	26,350	42			15	1	1			1			1					
137	DA-35	Dacitic fine tuff	Kdc-sh	13,600	9,660	72			1	1												
138	DA-36	"	"	13,910	9,700	60				6				4								
139	DA-37	Dacitic medium tuff	Koh-b	14,180	9,740	51	6		3	1												
140	DA-39	"	"	14,450	9,830	37	11		2	2												
141	DA-39	"	"	14,800	9,420	54			3	3				1								
142	DA-40	"	"	15,020	9,330	55			5	2												
143	DA-41	"	"	14,930	8,850	39			5	3				1			1					
144	DA-42	"	"	15,060	8,760	42				6		2		1								
145	DA-43	"	"	15,000	8,600	29			18	3				1								
146	DA-44	Dacite	Kdc1-b	15,010	8,430	27			14	4				1								
147	DA-45	"	"	15,160	8,290	33			16	8				1								
148	DA-46	"	"	15,200	8,030	46			2	6				1								
149	DA-47	"	"	15,030	8,000	42			4	4				1								
150	DA-48	"	"	15,110	7,810	50			20	4				1								
151	DA-49	"	"	15,000	7,640	17		55	8		5											
152	DA-50	"	"	14,860	7,750	25	13		7	4	1											
153	DA-51	"	"	14,770	8,130	36	8		6	1	1											
154	DA-52	"	"	14,660	8,330	40			8	4												
155	DA-53	"	"	14,400	8,400	49			12	3				1								
156	DA-54	"	"	14,530	8,570	50				4				1								
157	DA-55	"	"	14,360	8,580	46			3	4				1								
158	DA-56	"	"	14,370	8,820	43			12	6						1						
159	DA-57	"	"	14,170	8,850	25			22	2							1					
160	DA-58	"	"	20,750	37,950	45				2				1				1				
161	DA-59	"	"	20,920	38,000	88								2				1				
162	DA-60	"	"	21,050	38,230	86												1				
163	DA-61	"	"	21,260	38,320	86												0.5				
164	DA-62	"	"	21,280	38,100	46								1				1				
165	DA-63	"	"	21,500	38,430	86												1				
166	DA-64	"	"	21,630	38,290	38					7							1				
167	DA-65	"	"	21,720	38,190	64					7											
168	DA-66	"	"	21,830	38,000	39				3												

No.	Sample No.	Rock Name	Rock Code	Coordinates		Silica mineral	Silicate minerals								Carbonate minerals		Metal minerals			Others		
							Feldspars			Clay minerals												
				-X	Y	Qz	Pl	Ab	Kf	Se	Ch	S/M	C/M	Ka	Ca	Dol	Py	Glh	Ho	Ep	Hb	Pph
169	DA-67	Dacite	Kdc1-b	21,970	37,830	32				7												
170	DA-68	"	"	22,020	37,650	51					11											
171	DA-69	"	"	20,760	38,260	88													1			
172	DA-70	"	"	20,500	38,600	86													2			4
173	DA-71	"	"	20,310	38,700	38	9		2	4		1										
174	DA-72	"	"	20,100	38,700	86				4												
175	DA-73	"	"	15,130	27,700	46			8	1								3				
176	DA-74	"	"	15,120	27,280	45	21			2												
177	DA-75	"	"	14,820	27,460	86	11			11								0.5				
178	DA-76	"	"	14,590	27,300	38	26		6	1												
179	DA-77	"	"	14,400	27,070	66			2	8	1											
180	DA-78	"	"	14,380	27,360	39					1											
181	DA-79	"	"	15,560	28,130	38				7												
182	DA-80	"	"	15,850	28,320	41				6												
183	DA-81	"	"	15,700	28,500	54				4												
184	DA-82	"	"	15,900	28,690	36			7	2												
185	DA-83	"	"	16,000	28,090	60				2				1								
186	CB-1	"	"	15,210	10,770	7				1	7		1			1						
187	CB-2	"	"	14,970	10,730	29			8	2	1		1									
188	CB-3	"	"	14,750	10,700	60	2			1	1			3								
189	CB-4	Dacitic fine tuff	Koh-b	13,930	10,580	60																
190	CB-5	"	Kde-sh	13,480	10,300	19	14			1	2											
191	CB-6	Dacite	"	12,480	10,560	51	45			2	4											
192	CB-7	"	"	12,670	10,550	54				1	4											
193	CB-8	"	"	12,800	10,450	69				1												
194	CB-9	Dacitic fine tuff	"	12,950	10,380	35				2				4								
195	CB-10	Dacite	Kdc1-a	2,930	17,700	29	2		3	13				1								
196	CB-11	"	"	3,120	17,860	39	6		4	6												
197	CB-12	"	"	3,260	18,420	48			3	8	1											
198	CB-13	"	"	3,150	18,740	86				1												
199	CB-14	"	"	2,800	17,660	32			10	5												
200	CB-15	"	"	2,820	17,460	39	35		5	1												
201	CB-16	"	"	2,580	18,060	40	34			6												
202	CB-17	"	"	1,950	17,420	41	4		5	4	1											
203	CB-18	"	"	2,160	18,600	41	7		3	9												
204	CB-19	"	Kdc1-b	14,230	27,270	56			2	7	1											
205	CB-20	"	"	14,830	7,710	44			5	2												
206	CB-21	"	"	15,800	31,950	36	14		8	1												
207	DG-1	Dacitic fine tuff	Kde-sh	10,410	10,040	47	6		2	1	1											
208	DG-2	"	"	10,560	10,040	25				5				1								
209	DG-3	"	"	10,670	10,230	51				3				1								
210	DG-4	"	"	11,000	10,410	69	7							1								
211	DG-5	Dacitic medium tuff	Koh-b	11,200	10,600	40				2				1								
212	DG-6	"	"	11,390	10,780	33				1				2								
213	DG-7	"	"	11,350	11,070	32				2				2								
214	DG-8	Dacitic fine tuff	Kde-sh	11,540	11,220	80				1												
215	DG-9	Dacitic fine tuff	Kde-sh	11,760	11,260	67				1												
216	DG-9A	"	"	12,000	11,400	57				1												
217	DG-10	"	"	12,070	11,580	86																
218	DG-11	"	"	12,290	11,700	74				1												
219	DG-12	Dacite	"	12,500	11,830	80				1												
220	DG-13	Dacitic fine tuff	Koh-b	12,600	11,550	62				1												
221	DG-14	"	Kde-sh	8,000	11,800	21				1								2				
222	DG-15	"	"	8,230	11,910	58				1				1		0.5						
223	DG-16	"	"	8,540	12,170	61				1				1								
224	DG-17	"	"	8,840	12,170	60				1												
225	DG-18	"	"	9,170	11,960	83																
226	DG-19	"	"	9,430	11,960	69				1												
227	DG-20	Dacite	Kdc1-b	9,750	12,250	86				1												
228	DG-21	"	"	21,000	38,700	78													2			
229	DG-22	"	"	21,200	38,850	82													4			
230	DG-23	"	"	21,300	39,000	83				2									3			4
231	DG-24	"	"	21,430	39,150	65				2									2			2
232	DG-25	Dacitic medium tuff	Koh-b	18,520	26,900	58					15							1				
233	DG-26	Dacite	Tdc1	18,240	27,300	55			5	1	5											
234	DG-27	"	"	18,140	27,590	85				3												
235	DG-28	"	"	17,950	27,800	61				5	2											
236	DG-29	"	"	17,760	26,090	65	1			1				4								
237	DG-30	"	"	17,710	28,370	63	13		2	2												
238	DG-31	"	"	17,550	28,700	28			10	1												
239	DG-32	"	"	17,700	28,840	46			14	1												
240	DG-33	"	"	17,510	29,120	61			12	1	1											
241	DG-34	"	"	17,160	29,150	54	2		13		1											
242	DG-35	"	"	16,840	29,050	43			6	1												
243	DG-36	"	"	16,550	29,000	36			11	0.5												
244	DG-37	Dacitic medium tuff	Koh-b	16,430	28,850	38	25		5	0.5												
245	G-10	Dacite, dyke	Dc	21,750	28,700	59			1	2				1								
246	G-11	"	"	21,200	29,680	46	20		18	1	0.5											
247	G-12	"	"	20,450	29,900	34	39		5	1	1											
248	G-13	"	"	19,880	29,260	47	4		4	2				1								
249	G-14	"	"	20,060	26,850	58	37			2	1											
250	G-17	Dacite	Kdc1-b	18,800	26,440	69				1	8											
251	G-20	Dacite, dyke	Dc	7,800	19,480	27	35		9	1	1						1					
252	G-23	Dacite	Kdc1-a	8,370	17,840	35	28		4	6							0.5					
253	G-25	Dacite	Kdc1-a	7,740	16,490	38		57			5											
254	G-26	"	"	8,250	16,400	11		43														
255	G-32	Dacite, dyke	Dc	6,350	37,720	31	37		5	1	2											
256	G-38	"	"	3,940	39,600	32	34		21		1											
257	G-39	"	"	4,730	39,160	54	13		4	1												
258	G-40	"	"	5,050	39,350	54	22		6													
259	G-48	"	"	11,170	19,900	39	11		9	1												
260	KM-15	Dacitic tuff breccia	Koh-b	3,380	27,090	17	42		5	1	4											

No.	Sample No.	Rock Name	Rock Code	Coordinates		Silica mineral	Silicate minerals							Carbonate minerals		Metal minerals			Others		
							Feldspars			Clay minerals											
				-X	Y	Qz	Pl	Ab	Kf	Se	Ch	S/M	C/M	Ka	Ca	Dol	Py	Gth	He	Ep	Hb	Pph
261	KM-16	Dacite	Koh-b	2,150	27,000	42	12		11	1											
262	KM-17	Dacitic tuff breccia	"	5,850	31,150	21	18		5	1						1					
263	KM-18	Dacite, dyke	Dc	6,220	31,560	36	13		7	1											
264	KM-22	Dacitic lapilli tuff	Koh-b	5,300	28,210	18	2		4	2	4			4							
265	KM-24	"	"	4,400	28,450	32	9		7	1											
266	KM-25	Dacitic coarse tuff	"	3,700	28,050	25			4	2	2				1						
267	KM-47	Dacite	Kdc1-b	17,760	33,250	39	12		7	1											
268	KM-48	"	"	18,220	33,090	32	22		20	1	4										
269	KM-49	"	"	18,630	32,910	39	35		20	1	4										
270	KM-54	Dacitic lapilli tuff	Koh-b	8,700	23,400	25	42			1	1				4						
271	KM-56	Dacitic tuff breccia	"	4,880	24,080	41	38			1	1										
272	L-4	Dacitic medium tuff	"	5,150	30,400	23	35			1	1										
273	L-5	"	"	5,260	29,470	27	42			1	1						0.5				
274	L-9	Dacite	Kdc1-b	12,560	26,400	37	11		6	2							1				
275	L-11	"	"	13,190	24,200	25	21		6	1											
276	L-12	"	"	13,410	23,550	14	5			1	3									6	
277	L-13	"	"	13,700	23,400	31	6		7	9	1										
278	L-14	Dacitic tuff breccia	Koh-b	13,420	22,900	45	4			3											
279	WCU-2	Dacitic medium tuff	"	16,540	28,850	42	20			1	1										
280	WCU-4	Dacite	Kdc1-b	16,020	29,660	59	15		7		1										
281	WCU-5	"	"	15,950	30,540	49	2		3	2											
282	WCU-6	"	"	15,880	30,700	39	4		5	1	1										
283	WCU-7	"	"	15,840	30,460	38	35			1	1										
284	WCU-8	Dacitic fine tuff	Kdc-sh	15,860	31,090	30	36		4	1	1						1				
285	WCU-9	"	"	15,860	31,200	39	3		2	2	2										
286	WCU-10	Dacite	"	15,750	31,260	39	21			3	1										
287	WCU-11	"	Kdc1-b	15,600	31,320	54	21			2	2										
288	WCU-12	"	"	15,480	31,380	57	11		3	2	4						5				
289	WCU-14	"	"	15,430	31,720	26	11			1	2										
290	DK-1	Dacitic fine tuff	Koh-b	13,280	11,520	75				1				1							
291	DK-2	Dacite	Kdc1-b	13,370	13,500	59				2				1							
292	WDS-3	Dacitic fine tuff	Koh-a	6,300	16,900	20		55													
293	WDS-6	Dacitic medium tuff	Koh-b	650	24,860	26	12		3	2	2										
294	WDS-7	"	"	660	24,970	30	28			4	1										
295	WDS-8	"	"	670	25,250	32	13		2	1											
296	WDS-9	Dacitic fine tuff	"	1,360	25,200	19	4			1	8								1		
297	WDS-10	"	"	2,040	25,230	25	35			2	1								1		
298	WDS-15	Dacite	Kdc1-a	7,360	16,430	22	21		8	1											
299	CC-6	"	Tdc1	17,400	27,450	36	10		8	1	1										
300	CC-7	Dacitic medium tuff	Koh-b	17,420	28,300	54			8	1				2				0.5			
301	CC-9	"	"	17,300	28,460	54				1	1										
302	CC-11	Dacite	Kdc1-b	16,650	28,450	64				5											
303	WCM-1	"	"	4,710	23,310	88				1	1										
304	WCM-2	"	"	4,930	23,350	51				3	6										
305	WCM-3	"	"	4,980	23,140	56	16			1	4										
306	WCM-4	"	"	5,000	23,400	62			2	5	3										
307	WCM-5	Dacite	Kdc1-b	5,080	23,360	39			4	1	1						7				
308	WCM-6	Dacitic lapilli tuff	Koh-b	4,980	23,550	52			4	4							0.5				
309	WCM-9	Dacite	Kdc1-b	4,120	23,590	24	24		5	1	3										
310	WCM-10	"	"	4,270	23,500	25	40		4	1	1				4						
311	WCM-11	"	"	4,640	23,470	35	48		4	1	1										
312	WCUM-4	"	"	20,010	24,260	64				4	6										
313	WCUM-6	"	"	18,690	26,400	41				4	9										
314	WCUM-7	"	"	18,520	26,570	53				2	17										
315	WCUM-8	"	"	18,610	26,500	57				4	7										
316	WCUM-9	"	"	18,460	26,670	43	20			2	3										
317	WCUM-10	"	"	18,360	26,770	43				1	18										
318	WCUM-11	"	"	18,210	26,900	47				4											
319	WCUM-12	"	"	17,980	27,070	79				5									1		
320	WCUM-13	Dacitic medium tuff	Koh-b	17,790	27,260	42				5	6										
321	WCUM-14	"	"	17,130	27,250	38		37		1	1										
322	WCUM-15	"	"	16,350	28,700	25	22				1				1						
323	WCUM-16	Dacitic fine tuff	Kdc-sh	16,300	29,220	42	18			1	1										
324	WCUM-17	Dacite	Tdc1	16,740	29,260	36	8		11		0.5										
325	WCUM-18	"	Kdc1-b	17,100	29,750	50	6		11		1										
326	WCUM-19	"	"	16,810	29,990	25	16		10		1										
327	WCUM-20	"	"	16,810	30,200	21	5		7												
328	WCUM-21	"	"	17,040	30,250	46	35			1	2										
329	WCUM-22	"	"	17,020	30,540	30	4		11		1										
330	WCUM-23	"	"	17,030	31,020	40			2	1											
331	H-29	Dacite, dyke	Dc	16,650	26,700	86	8		8	6				3							
332	MC-1	"	"	16,800	25,850	84	9		8	5				2							

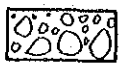
Apx. 9 Results of Observation of Nannoplankton, Radiolaria and Foraminifera

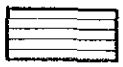
No.	Sample No.	Coodinates -X	Coodinates Y	Rock Code	Nannoplankton	Radiolaria	Foraminifera	Known age	Remarks
1	A - 2	11,700	32,500	Jsch	Barren	Barren	Barren	Unknown	
2	A - 13	22,420	26,620	"	"	"	"	"	
3	L - 30	17,950	39,530	"	"	"	"	"	
4	LOB - 4	13,060	37,250	"	"	"	"	"	
5	KM - 30	11,780	16,030	Ksh1	"	Common/Poor	"	"	Low. part of Ksh1
6	K - 5	11,050	12,420	"	"	Rare/Poor	"	"	"
7	MAD - 1	4,400	13,930	"	"	Barren	"	"	"
8	MAD - 9	6,810	13,060	"	"	"	"	"	"
9	A - 8	7,170	12,660	"	"	"	"	"	"
10	KM - 1	2,380	23,040	"	"	"	"	"	"
11	KM - 38	10,350	11,400	"	"	Sethocapsa sp. Nassellaria fam. gen. et sp. indet.	"	Lower Cret. (?)	"
12	KM - 60	10,980	11,920	"	"	Barren	Rare/Poor	Unknown	"
13	G - 2	2,050	24,650	"	"	"	Barren	"	"
14	WDS - 12	3,100	24,230	"	"	"	"	"	"
15	K - 3	13,320	11,360	Koh-b	"	"	"	"	
16	L - 17	13,380	21,700	"	"	"	"	"	
17	L - 18	13,300	21,440	"	"	"	"	"	
18	MN - 1	17,350	27,900	"	"	"	"	"	
19	MR - 3	17,610	27,410	"	"	"	"	"	
20	NAR - 4	17,060	27,020	"	"	"	"	"	
21	K - 1	13,460	10,420	Kdc-sh	"	Rare/Poor	"	"	
22	K - 2	13,530	10,850	"	"	Barren	"	"	
23	K - 4	13,380	12,500	"	"	Tricolocapsa (?) sp.	"	Lower Cret. (?)	
24	KM - 40	10,090	9,700	"	Watznaueria barnesae cretarhabdus sp.	Barren	"	Lower Cret. (?)	
25	G - 68	11,570	11,350	"	Barren	"	"	Unknown	
26	WCON - 5	13,470	10,600	"	"	"	"	"	
27	WCON - 9	13,760	7,820	"	"	"	"	"	
28	L - 6	4,450	29,330	Ksh1	"	"	"	"	Up. part of Ksh1
29	L - 7	4,180	29,200	"	"	"	"	"	"
30	L - 61	900	31,780	"	"	"	"	"	"
31	WCR - 4	1,280	27,000	"	"	"	"	"	"
32	WCR - 5	1,900	27,520	"	"	"	"	"	"
33	L - 44	190	8,880	Tss1	"	Amphipyndax (?) sp. Cryptocephalic or Cryptoracic radiolarians	"	Cretaceous	Conglomerate

Apx. 12 Drill Logs

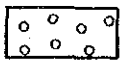
Legend

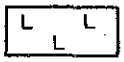

Soil

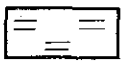

Gravel

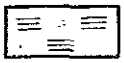

Shale

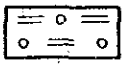

Sandstone

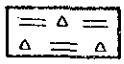

Hanging wall dacite

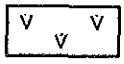

Dacite in ore horizon

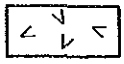

Fine tuff

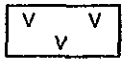

Pumice tuff


Lapilli tuff


Tuff breccia


Basalt


Footwall dacite


Dolerite

Py : Pyrite

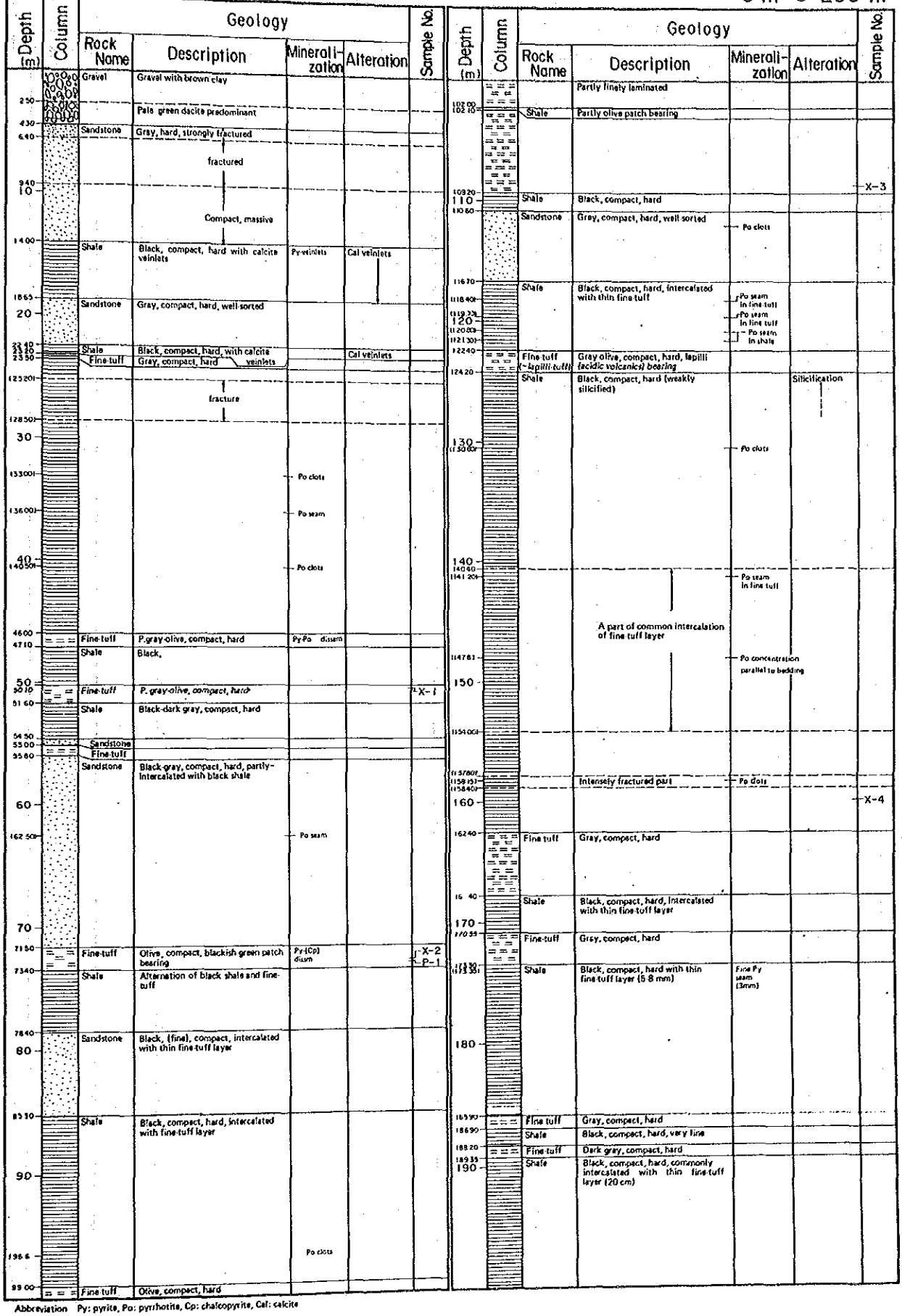
Po : Pyrrhotite

Cp : Chalcopyrite

Cal : Calcite

X-1: Sample Numbers of X-ray Powder Diffraction
P-1: Sample Numbers of Polished Section

AREA JALISCO Drill No. MJM－1 (253.30M) 0 m ～ 200 m



Abbreviation Py: pyrite, Po: pyrrhotite, Cp: chalcopyrite, Cal: calcite

AREA JALISCO Drill No. MJM－1 (253.30M) 200m～253.3m

Depth (m)	Column	Geology: Rock Name	Description	Mineralization	Alteration	Sample No.
210		Shale	Black, compact, hard, intercalated with thin fine-tuff layer			
210.80		Fine-tuff	Gray, hard (intensely silicified) with fine Pyrite		silicification	P-2, X-5
213.10		Dolerite(?)				
213.40		Shale	Gray-brownish gray, massive			
216.00		Fine-tuff ~	Dark gray, compact, hard, dark-green patch bearing			X-6, P-3
220						X-7
230						X-8
232.40		Shale	Black, compact, hard			
240						
244.20			Intercalation of sandstone layer			
250						
253.30						
260						
270						
280						
290						

Description (Shale, 206.0～212.0m):

	Au(g/t)	Ag(g/t)	Cu(%)	Pb(%)	Zn(%)
206.0～209.0m	0	3	0.01	0.05	0.15
209.0～210.0	0	2	0.01	0.07	0.15
210.0～211.0	0	4	0.01	0.07	0.12
211.0～212.0	0	Tr	0.01	0.08	0.12

Description (Fine-tuff ~, 216.00～232.40):

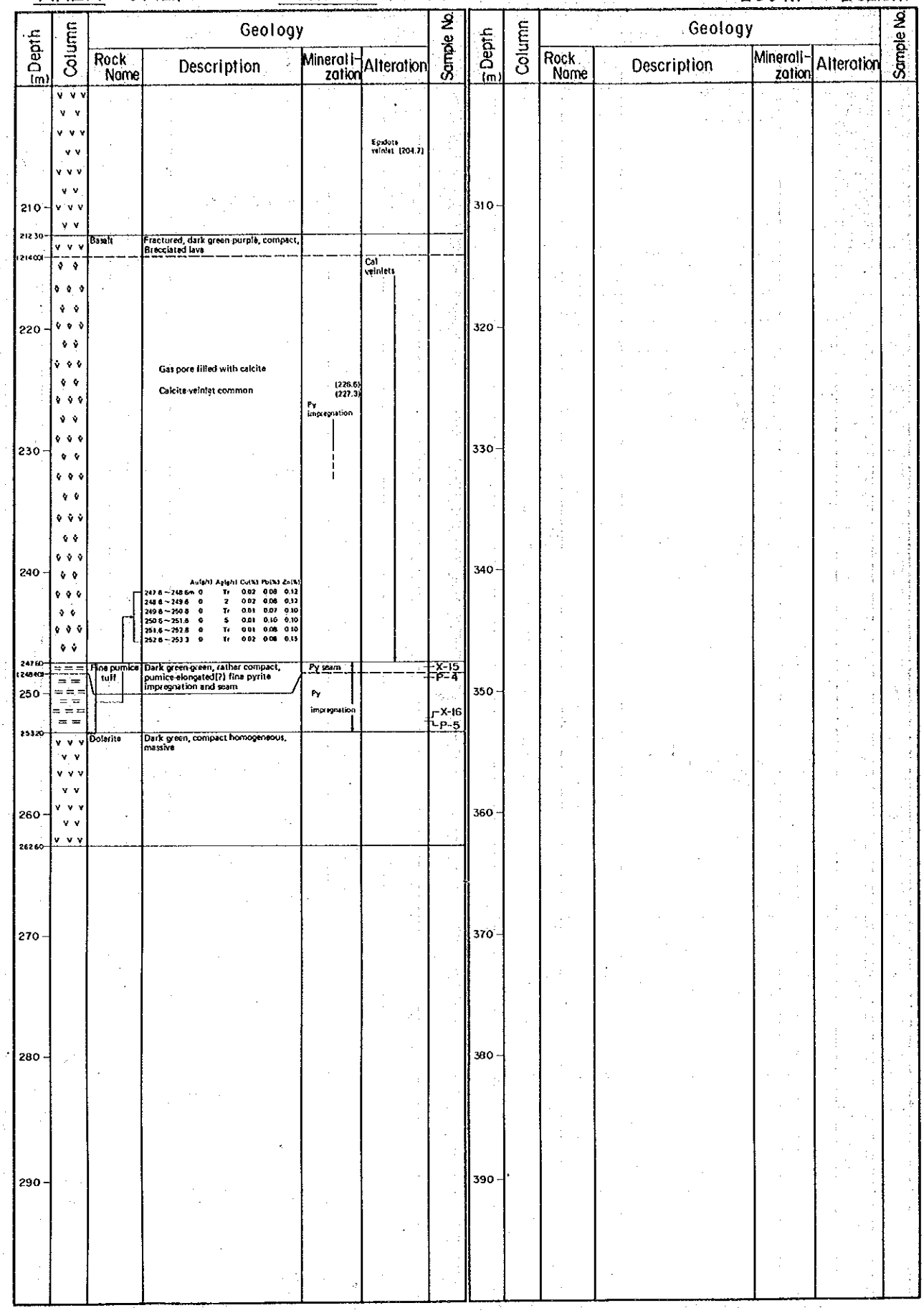
	Au(g/t)	Ag(g/t)	Cu(%)	Pb(%)	Zn(%)
219.5～220.5m	0	3	0.01	0.07	0.10
222.5～223.5	0	6	0.01	0.06	0.10
223.5～224.5	0	5	0.01	0.07	0.10

Depth (m)	Column	Geology: Rock Name	Description	Mineralization	Alteration	Sample No.
310						
320						
330						
340						
350						
360						
370						
380						
390						

AREA JALISCO Drill No. MJM－2 (262.60M) 0m～200m

Depth (m)	Rock Name	Description	Mineralization	Alteration	Sample No.
0	Soil	Yellowish brown, loose rather homogeneous			
2.00		Dark brown, loose			
13.00	Gravel	Pale gray～light brown, compact, welded tuff predominant			
15.50	Shale	Black, compact, but well-fractured with pyrite impregnation	Py impregnation		
18.50	Dolerite	Dark green-brown loose weathered			
20					
21.00	Dacite	Light brown, well fractured, weathered *Partly silicified part bearing*		silicification	
24.50	Dolerite	Olive, compact, weakly weathered and partly fractured			
26.50	Dacite	Brown-green, white dotted dacite Weathered and fractured			
30					X-9
36.00		Green, white dots bearing weakly fractured with calcite-veinlets		Cal veinlets	
40					
45.50	Dolerite	*Dark green, compact, massive, partly well-fractured*			
50					
54.90	Dacite	Green, fractured, partly clayey part and epidote-veinlets with fine pyrite-bearing			X-10
60					
68.10		Calcite-veinlets abundant		Cal veinlets	
70					
73.00		Pale gray, massive, white dotted (plagioclase) rather loose			
80					
81.00		fractured			
83.80					
87.00		fractured			X-11
90					
90.20					
105.00					
106.90		Bleached white, silicified, fractured, loose			
110		Gray pale gray, compact, hard		silicification	
120					
130		Pale gray-white, silicified hard, (Partly pyrite-veinlets ～impregnation)	Py veinlets～impregnation		
140					
150					X-12
154.70		White-Pale green, silicified with pyrite impregnation-veinlets	Py impregnation～veinlets		
160					
160.30					
165.00		*Bleached, white silicified weak pyrite-impregnation*	Py impregnation	*silicification*	X-13
166.30		Dark green-green, white spotted, rather loose			
170					
171.50		fractured			
174.00					
180					
181.00		Quartz-veinlets common		silicification	
184.00					
183.60					
190		Pale green, fine, compact		silicification	
191.65		*Green-dark green heterogenous, compact*			X-14
197.70	Dolerite	Dark green, compact, massive homogeneous			

AREA JALISCO Drill No. MJM – 2 (262.60M) 200 m ~ 262.6m



AREA JALISCO Drill No. MJM－3 (250.60M) 0m～200m

Depth (m)	Rock Name	Description	Mineralization	Alteration	Sample No.
2.00	Soil	Yellowish brown			
	Gravel	Brown, brecciated andesite predominant			
7.20	Fine tuff	Olive-brown, rather loose massive, partly shale intercalated			X-17
10					
12.20	Shale				
13.20	Fine tuff	Olive, fine, fractured			
16.60	Lapilli tuff	Dark green-olive, compact massive, partly fine pyrite concentration			X-18
20					
30					
31.20	Shale	Black, compact, fine-tuffs thin layer intercalated (∠45°-30°)			
32.90	Fine tuff	Olive, compact, rather massive			
34.40	Shale	Black, compact, fractured pyroclastic matter mixed			
36.10	Fine(pumice) tuff	Olive, compact, rather massive			X-19
40					
41.30	Tuff breccia	Green-pale green, massive rather loose			
46.00			Py impregnation		
47.30		Green-pale green, massive rather hard, weakly fractured			
50					X-22
58.40	Dolerite	Grayish brown, fine compact		Cal Network	
58.50	Tuff breccia	Green, massive, pumice(?) bearing, partly silicified	Py Impregnation	silicification	
60					
62.10	Dolerite	Olive, fine, compact, hard black dots bearing			
63.50	Tuff breccia	Grayish brown-green, massive elongated (pumice(?) bearing			X-20
70					
75.80	Fine tuff	Olive-dark gray, fine compact High-dipping (L55°-80°) Fine pyrite impregnation along bedding			
80					
85.80	Lapilli tuff	Olive, massive black shale fragments mixed pumice			X-21
90		91.4-92.4m 0 22 001 010 015 92.4-93.4 0 Tr 001 008 075			P-6
91.10	Shale	Black, compact, hard (silicified), Pyroclastic matter mixed		Silicification	
92.80	Tuff breccia	Green, silicified, rather massive fractured			LP-7
94.90	Dolerite	Dark gray, compact, massive		Cal veinlets	

Depth (m)	Rock Name	Description	Mineralization	Alteration	Sample No.
110					
120					
130					
140					
144.70	Tuff breccia	Dark green, compact, hard			
145.60	Shale	Black, compact, fractured		Cal veinlets	
146.60	Tuff breccia	Bluish green, compact, hard, pumice fragments(?) bearing			
150					X-22
151.30	Shale	Black, compact, fractured			
152.30	Fine tuff	Bluish green-olive, compact, partly high-dipping (80°-90°)			
159.40	Tuff breccia	Bluish green, compact, hard (silicification?) breccia essential and accessory	Fine py impregnation	Silicification (?)	
160					X-23
170					
180					X-24
190					
193.80	Fine tuff	Olive, compact, hard (silicified?)		(Silicification)	
196.30	Lapilli tuff	Gray, compact, hard, massive well round lapilli(?) bearing			
198.60	Dolerite	Black-dark gray, compact, massive			

AREA JALISCO Drill No. MJM – 3 (250.60M) 200 m ~250.60m

Depth (m)	Column	Geology: Rock Name	Description	Mineralization	Alteration	Sample No.
210		Dolerite	Dark green-gray, compact, massive, homogeneous			
215.90		Lapilli tuff	Olive, compact, fractured, partly black lapilli included	Fine Py impregnation	Cal veinlets	X-25
220						
224.50		Dolerite	Dark green-dark grey compact, massive, homogeneous			
230						
240						
250						
250.60						
260						
270						
280						
290						

Depth (m)	Column	Geology: Rock Name	Description	Mineralization	Alteration	Sample No.
310						
320						
330						
340						
350						
360						
370						
380						
390						

AREA JALISCO Drill No. MJM – 4 (301.60M) 0m ~ 200m

Depth (m)	Rock Name	Description	Mineralization	Alteration	Sample No.
1.00	Soil	Brown			
	Gravel	Brown welded tuff boulder predominant			
11.00					
13.20	Fine tuff	Olive, dark gray, compact, well-sorted, fractured			
	Shale	Black, fine, compact, fractured ∠35°-45°: bedding		Cal veinlets	X-26
19.00	Fine tuff	Olive, compact, well-sorting partly shale-thin layer intercalated ∠30°-40°: bedding			
34.70	Shale	Black-dark gray, compact, fine tuff layer intercalated		Cal veinlets-networks	
52.60	Fine tuff	Dark gray-gray, compact, rather well-sorted ∠45°-50°			X-27
58.40	Shale	Black, compact, hard fine tuff commonly intercalated		Cal veinlets	
62.60			Fine Py Po impregnation		
		70.6 ~ 71.6m: Au(g/t) 0, Ag(g/t) 14, Cu(%) 0.01, Pb(%) 0.07, Zn(%) 0.15 71.6 ~ 72.6: 0, 15, 0.01, 0.08, 0.10 72.6 ~ 73.6: 0, 12, 0.01, 0.09, 0.10 73.6 ~ 74.6: 0, 8, 0.01, 0.08, 0.10 74.6 ~ 75.6: 0, 12, 0.01, 0.08, 0.12 75.6 ~ 76.6: 0, 6, 0.01, 0.08, 0.15 76.6 ~ 77.6: 0, 7, 0.01, 0.07, 0.15 77.6 ~ 78.6: 0, 10, 0.01, 0.07, 0.15 78.6 ~ 79.6: 0, 12, 0.01, 0.07, 0.15 79.6 ~ 80.6: 0, 10, 0.01, 0.07, 0.12 80.6 ~ 81.6: 0, 12, 0.01, 0.07, 0.12 81.6 ~ 82.6: 0, 7, 0.01, 0.08, 0.12 82.6 ~ 83.6: 0, 5, 0.01, 0.08, 0.10 83.6 ~ 84.6: 0, 6, 0.01, 0.07, 0.12 84.6 ~ 85.6: 0, Tr, 0.01, 0.08, 0.10 85.6 ~ 86.6: 0, Tr, 0.01, 0.07, 0.10 86.6 ~ 87.6: 0, 9, 0.01, 0.07, 0.10 87.6 ~ 88.6: 0, Tr, 0.02, 0.08, 0.10 88.6 ~ 92.6: 0, 41, 0.02, 0.10, 0.15 92.6 ~ 93.6: 0, 7, 0.10, 0.10, 0.15 93.6 ~ 94.6: 0, 12, 0.02, 0.10, 0.15 94.6 ~ 96.6: 0, 7, 0.05, 0.08, 0.10 96.6 ~ 96.6: 0, 8, 0.15, 0.07, 0.12 96.6 ~ 97.6: 0, 22, 0.03, 0.10, 0.15 97.6 ~ 98.6: 0, Tr, 0.03, 0.08, 0.10 98.6 ~ 99.6: 0, Tr, 0.03, 0.07, 0.10 99.6 ~ 100.6: 0, 61, 0.02, 0.07, 0.15 100.6 ~ 101.6: 0, 16, 0.02, 0.07, 0.15			P-8
93.90	Lapilli tuff ~ (pumice tuff)	Black~dark gray, compact, hard hornfelsic(?)			P-9
98.00	Shale	Black, compact, fine-medium fractured			

Depth (m)	Rock Name	Description	Mineralization	Alteration	Sample No.
105.10	Lapilli tuff	Black-dark gray, compact, hard, pumice bearing (hornfelsic?) Partly py po impregnation	Py-Po impregnation	hornfels(?)	X-28
106.20	Shale	Black, compact, fractured pyrite seam rather common	Py seam	Cal networks	
111.40	Sandstone	Dark gray, compact, hard, well-sorted	Py Po weakly impregnation		
113.40	Shale	Black, compact, sandstone thin layer intercalated ∠30°			
114.80	Sandstone	Black-dark gray, compact, hard, bad-sorting, shale layer intercalated	Py-Po impregnation		
118.10	Shale	Black, compact, sandstone, intercalated, ∠30°		Cal veinlets	
133.00	Fine tuff	Dark gray, compact, massive homogeneous			X-29
141.30	Shale	Black~dark gray, compact, hard, partly fine tuff thin layer intercalated			
158.00	Lapilli tuff	Gray~brownish gray, compact, hard, lapilli: subround, essential hornfels(?)		hornfels(?)	X-30
169.80	Shale	Dark gray, compact, hard, fine tuff thin layer intercalated			
179.10	Dolerite	Dark green, compact, massive homogeneous			
184.10	Fine tuff	Dark gray, compact, hard, partly laminated ∠50°-60°			
186.70	Tuff breccia	Dark gray-brown, compact, hard, white spots boaring breccia: subangular essential			X-31

AREA JALISCO Drill No. MJM－4 (301.60M) 200 m～301.60m

Depth (m)	Column	Geology: Rock Name	Description	Mineralization	Alteration	Sample No.
201.90		Fine tuff	Gray ~ brownish gray, compact, hard			
204.70		Dacite	Dark gray, compact, hard, white spots bearing, brecciated			
210						
218.70		Dolerite	Dark green, rather fine, compact, hard, homogeneous			X-32
220						
221.20		Dacite	Dark gray, compact, hard, white spots bearing, brecciated			
224.80		Fine tuff	Light gray-gray, hard, fractured		silicification	
230						
233.00		Pumice tuff	Light brown-dark gray, compact, well-banded pumice, ∠30°			
240						
243.60		Fine tuff	Dark gray, compact, hard, homogeneous, little banding structure		silicification	X-33
250						X-34
253.10		Lapilli tuff	Gray-brownish gray, compact, hard, elongated and white spots bearing, lapilli: subround essential	Po-concentration		P-10
260						
261.01						X-35
270						X-36
280						X-37
290						

Depth (m)	Column	Geology: Rock Name	Description	Mineralization	Alteration	Sample No.
301.60						
310						
320						
330						
340						
350						
360						
370						
380						
390						

AREA JALISCO Drill No. MJM－5 (301.60M) 0m～200m

Depth (m)	Rock Name	Description	Mineralization	Alteration	Sample No.
0	Gravel	Dark brown-black gravel; decite predominant			
12.50	Dolerite	Bluith green dark green, rather loose, medium grain dark green spots and limonite (Py) veinlets bearing. fractured.	Py veinlets		
32.20	Shale	Black, compact, hard intercalation of fine acidic tuff, ∠45°	Py impregnation	Cal veinlets	P-11
41.50	Decite	Pale green, compact, hard (silicification) rather massive. partly Py-Po impregnation and veinlets	Py, Po impregnation and veinlets	silicification	X-39
47.80	Basalt	Dark green-green, compact, well-brecciated, gas pore bearing			X-40
110					X-41
117.10	Pumice tuff	Light gray-green, compact, hard (silicified) pumice structure: clear	Py impregnation	silicification	
120					X-42
120.80	Dolerite	Gray-dark green, compact, massive rather fine			
129.30	Shale	Black, loose carbonaceous fractured	Py impregnation	Cal networks	P-11, P-12
133.30	Dolerite	Olive, compact, massive homogeneous			
134.70	Lapilli tuff	Gray, compact hard lapilli structure: obscure			
140					X-43
150					X-44
160					X-45
165.40	Dolerite	Olive dark green, massive, compact, partly brecciated		Cal veinlets	
170					
172.80	Lapilli tuff	Green-light gray, compact Lapilli structure: obscure (essential?) partly pyrite-impregnation	Py impregnation		X-46
180					P-14, X-47
184.50	Dolerite	Green-olive compact, massive homogeneous			
187.90	Lapilli tuff	Green-light gray compact lapilli structure: obscure (essential)			X-48
192.60	Shale	Black, compact, hard			
193.00	Dolerite	Light green			
193.90	Lapilli tuff	Light gray, compact, rather hard. lapilli: essential			X-49
198.70	Dolerite				

Sample No.	Au(g/t)	Ag(g/t)	Cu(%)	Pb(%)	Zn(%)
32.3～33.3m	0	34	0.12	0.07	0.25
33.3～34.3	0	4	0.22	0.08	0.15
34.3～35.3	0	3	0.11	0.08	0.15
35.3～36.3	0	61	0.32	0.07	0.20
36.2～37.3	0	31	0.18	0.08	0.15
37.3～38.3	0	5	0.13	0.07	0.15
38.3～39.3	0	45	0.27	0.09	0.15
39.3～40.3	0	31	0.02	0.08	0.15

Sample No.	Au(g/t)	Ag(g/t)	Cu(%)	Pb(%)	Zn(%)
129.8～130.8m	0	103	0.22	0.07	0.20
130.8～131.8	0	27	0.10	0.07	0.20
131.8～132.8	0	93	0.20	0.08	0.20

AREA JALISCO Drill No. MJM－5 (301.60M) 200 m～301.60m

Depth (m)	Column	Geology: Rock Name	Description	Mineralization	Alteration	Sample No.
210		Dolerite	Dark green, compact, massive, homogeneous			
220						
230						
233.00		Dacite	Dark green, compact, hard well-brecciated (partly basall breccia included?) Autobrecciated lava			X-50
240						
242.70		Dolerite	Olive-dark green, compact rather fine gain			
248.30		Fine tuff	Olive, compact, hard (silicified) homegeneous moderately fractured		silicification	X-51
250						
253.50		Lapilli tuff	Olive-dark green, compact, hard lapilli: essential (?)			
256.40		Fine tuff				
258.70		Dolerite	Olive-dark green, compact, homogeneous			
260						
263.40		Fine tuff	Olive-Pale green, hard (silicified)		silicification	X-52
268.90		Dolerite	Dark green, compact massive homogeneous			
270						
280						
284.50		Fine tuff	Dark green-light gray, compact, hard (silicification) weakly fractured		silicification	
290						X-53

Depth (m)	Column	Geology: Rock Name	Description	Mineralization	Alteration	Sample No.
301.60						
310						
320						
330						
340						
350						
360						
370						
380						
390						

Apx. 13 Microscopic Observation of Ore Polished Sections of Drill Cores

No.	Sample No.	Drill No.	Depth (m)	Ore Minerals							Gangue Minerals				Remarks
				Sp	Cp	Py	Te	Po	Hem		Qz	Ca			
1	P-1	MJM-1	72.9			○		●							Py-Po veinlet in fine tuff
2	P-2	MJM-1	210.8			●		○	●						Po-Py impregnation in fine tuff
3	P-3	MJM-1	220.0		●			○	●						Po-Cp impregnation in fine tuff
4	P-4	MJM-2	248.8			●			●						Py impregnation in fine tuff
5	P-5	MJM-2	252.3			●			●						Py impregnation in fine tuff
6	P-6	MJM-3	91.0	●	●	○					●	●			Py impregnation in lapilli tuff
7	P-7	MJM-3	93.0	●	●	○					●	●			Py impregnation in tuff breccia
8	P-8	MJM-4	75.0	●		●		○				●			Po-Py impregnation in shale
9	P-9	MJM-4	97.0	●		○		◎				●			Po-Py impregnation in lapilli tuff
10	P-10	MJM-4	261.0			●		◎			●				Po-Py impregnation in lapilli tuff
11	P-11	MJM-5	33.7	●	●	◎◎					○	○			Py-Cp impregnation in shale
12	P-12	MJM-5	130.0	●	●	○					●	○			Py-Cp impregnation in shale
13	P-13	MJM-5	131.0			○	○				●	●			Py-Te veinlet in shale
14	P-14	MJM-5	179.9	●		○					●	●			Py-Sp impregnation in lapilli tuff

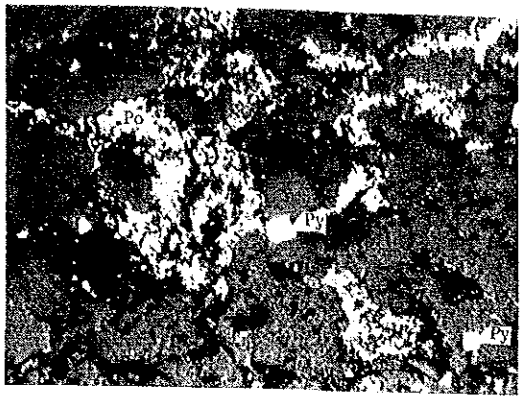
Abbreviation

Sp: Sphalerite Cp: Chalcopyrite Py: Pyrite Te: Tetrahedrite Po: Pyrrhotite Hem: Hematite
Qz: Quartz Ca: Calcite
◎◎: Abundant ◎: Common ○: Minor ●: Rare

Apx. 14 Microphotographs of Ore Polished Sections of Drill Cores

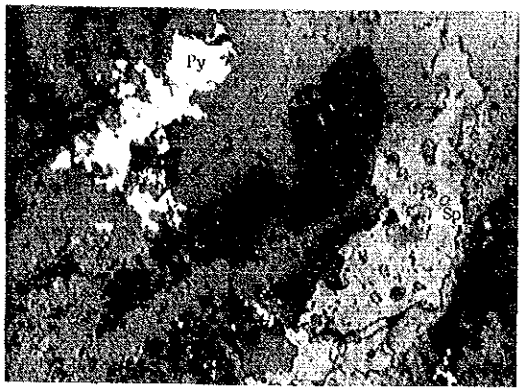
Abbriviation

Py : Pyrite
Po : Pyrrhotite
Te : Tetrahedrite
Sp : Sphalerite
Qz : Quartz
Ca : Calcite



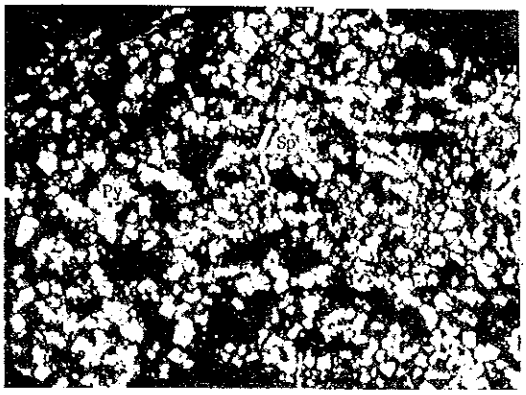
Sample No. : P-9
Drill No. : MJM-4
Depth : 97.0 m
Remarks : Pyrrhotite disseminated rock

Open nicol
0.5 mm



Sample No. : P-11
Drill No. : MJM-5
Depth : 33.7 m
Remarks : Pyrite seam bearing shale

Open nicol
0.05 mm

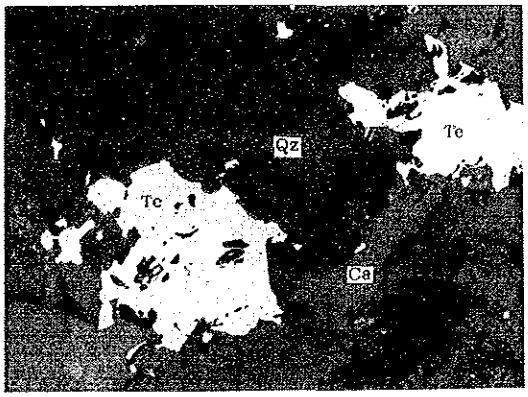


Sample No. : P-11
Drill No. : MJM-5
Depth : 33.7 m
Remarks : Pyrite seam bearing shale

Open nicol
0.1 mm

Sample No. : P-12
Drill No. : MJM-5
Depth : 130.0 m
Remarks : Framboidal pyrite seam bearing shale

Open nicol
0.2 mm



Sample No. : P-13
Drill No. : MJM-5
Depth : 131.0 m
Remarks : Tetrahedrite-calcite-quartz vein bearing shale

Open nicol
0.1 mm

Sample No. : P-13
Drill No. : MJM-5
Depth : 131.0 m
Remarks : Tetrahedrite-calcite-quartz vein bearing shale

Crossed nicols
0.1 mm

Apx. 15 Results of Chemical Analysis of Ore Samples from Drill Cores

(1)

No.	Drill No.	Depth (m)	Sample No.	Coordinates		Analytical Results					Remarks
				-X	Y	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)	
1	MJM-1	208.0 - 209.0	A-1	9,360	21,410	0	3	0.01	0.05	0.15	Py-Po impregnation in shale
2	"	209.0 - 210.0	A-2	"	"	0	2	0.01	0.07	0.15	"
3	"	210.0 - 211.0	A-3	"	"	0	4	0.01	0.07	0.12	Py-Po impregnation in shale and fine tuff
4	"	211.0 - 212.0	A-4	"	"	0	Tr	0.01	0.06	0.12	Py-Po impregnation in fine tuff
5	"	219.5 - 220.5	A-5	"	"	0	3	0.01	0.07	0.10	"
6	"	222.5 - 223.5	A-6	"	"	0	6	0.01	0.06	0.10	"
7	"	223.5 - 224.5	A-7	"	"	0	5	0.01	0.07	0.10	"
8	MJM-2	247.6 - 248.6	A-8	8,250	20,720	0	Tr	0.02	0.08	0.12	Py impregnation in fine tuff
9	"	248.6 - 249.6	A-9	"	"	0	2	0.02	0.08	0.12	"
10	"	249.6 - 250.6	A-10	"	"	0	Tr	0.01	0.07	0.10	"
11	"	250.6 - 251.6	A-11	"	"	0	5	0.01	0.10	0.10	"
12	"	251.6 - 252.6	A-12	"	"	0	Tr	0.01	0.08	0.10	"
13	"	252.6 - 253.2	A-13	"	"	0	Tr	0.02	0.08	0.12	"
14	MJM-3	91.4 - 92.4	A-14	7,840	19,190	0	22	0.01	0.10	0.15	Py-(Sph) veinlet in shale
15	"	92.4 - 93.4	A-15	"	"	0	Tr	0.01	0.08	0.75	Py-(Sph) veinlet in shale and tuff breccia
16	MJM-4	70.6 - 71.6	A-16	8,440	19,320	0	14	0.01	0.07	0.15	Po-(Py)-(Sph) impregnation in shale
17	"	71.6 - 72.6	A-17	"	"	0	15	0.01	0.08	0.10	"
18	"	72.6 - 73.6	A-18	"	"	0	12	0.01	0.09	0.10	"
19	"	73.6 - 74.6	A-19	"	"	0	8	0.01	0.08	0.10	"
20	"	74.6 - 75.6	A-20	"	"	0	12	0.01	0.08	0.12	"
21	"	75.6 - 76.6	A-21	"	"	0	5	0.01	0.08	0.15	"
22	"	76.6 - 77.6	A-22	"	"	0	7	0.01	0.07	0.15	"
23	"	77.6 - 78.6	A-23	"	"	0	10	0.01	0.07	0.15	"
24	"	78.6 - 79.6	A-24	"	"	0	12	0.01	0.07	0.15	"
25	"	79.6 - 80.6	A-25	"	"	0	10	0.01	0.07	0.12	"
26	"	80.6 - 81.6	A-26	"	"	0	12	0.01	0.07	0.12	"
27	"	81.6 - 82.6	A-27	"	"	0	2	0.01	0.08	0.12	"
28	"	82.6 - 83.6	A-28	"	"	0	5	0.01	0.08	0.10	"
29	"	83.6 - 84.6	A-29	"	"	0	5	0.01	0.07	0.12	"
30	"	84.6 - 85.6	A-30	"	"	0	Tr	0.01	0.08	0.10	"

No.	Drill No.	Depth (m)	Sample No.	Coordinates		Analytical Results					Remarks
				-X	Y	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)	
31	MJM-4	85.6 - 86.6	A-31	8,440	19,320	0	Tr	0.01	0.07	0.10	Po-(Py)-(Sph) impregnation in shale
32	"	86.6 - 87.6	A-32	"	"	0	9	0.01	0.07	0.10	"
33	"	87.6 - 88.6	A-33	"	"	0	Tr	0.02	0.08	0.10	"
34	"	91.6 - 92.6	A-34	"	"	0	41	0.02	0.10	0.15	"
35	"	92.6 - 93.6	A-35	"	"	0	7	0.10	0.10	0.15	"
36	"	93.6 - 94.6	A-36	"	"	0	17	0.02	0.10	0.15	Po-(Py)-(Sph) impregnation in shale and lapilli tuff
37	"	94.6 - 95.6	A-37	"	"	0	7	0.05	0.08	0.10	Po-(Py)-(Sph) impregnation in lapilli tuff
38	"	95.6 - 96.6	A-38	"	"	0	8	0.15	0.07	0.12	"
39	"	96.6 - 97.6	A-39	"	"	0	32	0.03	0.10	0.15	"
40	"	97.6 - 98.6	A-40	"	"	0	Tr	0.03	0.08	0.10	Po-(Py)-(Sph) impregnation in shale and fine tuff
41	"	98.6 - 99.6	A-41	"	"	0	Tr	0.03	0.07	0.10	Po-(Py)-(Sph) impregnation in shale
42	"	99.6 - 100.6	A-42	"	"	0	57	0.02	0.07	0.15	Po-(Py)-(Sph) impregnation in shale and lapilli tuff
43	"	100.6 - 101.6	A-43	"	"	0	14	0.02	0.07	0.15	Po-(Py)-(Sph) impregnation in lapilli tuff
44	MJM-5	32.3 - 33.3	A-44	8,540	21,050	0	34	0.17	0.07	0.25	Py-Sph-Cp veinlets in shale
45	"	33.3 - 34.3	A-45	"	"	0	4	0.22	0.08	0.15	"
46	"	34.3 - 35.3	A-46	"	"	0	3	0.11	0.08	0.15	"
47	"	35.3 - 36.3	A-47	"	"	0	51	0.12	0.07	0.20	"
48	"	36.3 - 37.3	A-48	"	"	0	31	0.18	0.08	0.15	"
49	"	37.3 - 38.3	A-49	"	"	0	5	0.13	0.07	0.15	"
50	"	38.3 - 39.3	A-50	"	"	0	45	0.27	0.08	0.15	"
51	"	39.3 - 40.3	A-51	"	"	0	71	0.02	0.08	0.15	"
52	"	129.8 - 130.8	A-52	"	"	0	103	0.22	0.07	0.30	Py-Sph-Cp impregnation in shale
53	"	130.8 - 131.8	A-53	"	"	0	27	0.10	0.07	0.20	"
54	"	131.8 - 132.8	A-54	"	"	0	93	0.20	0.08	0.20	"

Apx. 16 Analytical Results of X-ray Powder Diffractometry of Drill Cores

No.	Sample No.	Drill No.	Depth (m)	Rock Name	Silica mineral	Silicate minerals						Zeolites		Carbonate mineral		Metal mineral	
						Feldspars			Clay minerals								
					Qz	Pl	Kf		Se	Ch	S/M	Lmt	Mrd	Ca		Py	
1	X-1	MJM-1	51.4	Dacitic fine tuff	*2	10			0.5	4	2						
2	X-2	"	72.7	"	9	2	2			1				11		3	
3	X-3	"	108.6	"	21	15	7		1	6							
4	X-4	"	160.0	Shale	19	19				4				11			
5	X-5	"	212.0	Dacitic fine tuff	28	24	7			1	1			5		1	
6	X-6	"	220.0	"	15	19	5		2	3				12		1	
7	X-7	"	225.0	"	33	15	4		1	1	1			9			
8	X-8	"	229.8	"	25				1	3	1			4		1	
9	X-9	MJM-2	30.0	Dacite	11	6			4	1	1						
10	X-10	"	58.9	"	24	7			2	4	1	1	0.5	8			
11	X-11	"	90.0	"	41	19	5		1	3						1	
12	X-12	"	151.0	"	45	19	5			5		1		1			
13	X-13	"	165.0	"	37	21	6		1	4		1		4			
14	X-14	"	195.0	"	9	3	2			11				7			
15	X-15	"	248.0	Fine pumice tuff	19	5	4		1	9				2			
16	X-16	"	252.0	"	9	18			1	6				6			
17	X-17	MJM-3	10.0	Dacitic fine tuff	2	26	6			11				2			
18	X-18	"	25.0	Dacitic lapilli tuff	19	22			1	7				1			
19	X-19	"	40.0	Fine pumice tuff	25	19			2	6				1			
20	X-20	"	68.3	Dacitic tuff breccia	24	17			1	6				4		0.5	
21	X-21	"	90.0	Dacitic lapilli tuff	25	7			2	6				8			
22	X-22	"	150.1	Dacitic tuff breccia	46	9			2	4				4			
23	X-23	"	166.4	"	36	7			4	2							
24	X-24	"	185.0	"	44	5			2	4							
25	X-25	"	218.0	Dacitic lapilli tuff	18	20				14				25			
26	X-26	MJM-4	16.4	Shale	5	11	6		1	5				3		0.5	
27	X-27	"	55.0	Dacitic fine tuff	11	29				5				3			
28	X-28	"	103.0	Dacitic lapilli tuff	19				1	2				27		1	
29	X-29	MJM-4	137.0	Dacitic fine tuff	11	10			1	3				1		0.5	
30	X-30	"	165.0	Dacitic lapilli tuff	5				2	4						1	
31	X-31	"	195.0	Dacitic tuff breccia	30				4	1							
32	X-32	"	220.0	Dolerite	5	7			1	8				5			
33	X-33	"	245.0	Dacitic fine tuff	44	2	2		1	4		1	1	4		1	
34	X-34	"	255.0	"	18	10	8		1	9				2			
35	X-35	"	267.0	Dacitic lapilli tuff	81	21			2	1							
36	X-36	"	280.0	"	32	10	2		3	2							
37	X-37	"	295.0	"	50	14				3				1		0.5	
38	X-38	MJM-5	30.4	Dolerite	10	21	2			5						0.5	
39	X-39	"	45.0	Dacite	36	17			1	3						1	
40	X-40	"	70.0	Basalt	8	5			0.5	4				7			
41	X-41	"	110.0	"	6	11			0.5	5						0.5	
42	X-42	"	120.0	Pumice tuff	25				6	2				14		1	
43	X-43	"	140.0	Dacitic lapilli tuff	30		6		1	1							
44	X-44	"	150.0	"	29		4		2	1				3			
45	X-45	"	160.0	"	35	21			1	1				10			
46	X-46	"	175.0	"	21		4		1	2				3		1	
47	X-47	"	180.0	"	39	14			2	1		1		3		0.5	
48	X-48	"	190.0	"	26	7			1	5			1	6			
49	X-49	"	196.0	"	47				1	4				1			
50	X-50	"	234.3	Dacite	29	26				1				7		0.5	
51	X-51	"	251.3	Dacitic fine tuff	32	3	2		2	4		0.5		1		0.5	
52	X-52	"	265.1	"	25	14				1				4			
53	X-53	"	294.6	"	27		2		1	5			1	10			

Abbreviation

Qz: Quartz, Pl: Plagioclase, Kf: K-feldspar, Se: Sericite, Ch: Chlorite, Ca: Calcite, Py: Pyrite

S/M: Sericite-Montmorillonite mixed-layer, Lmt: Laumontite, Mrd: Mordenite

*2: Quartz Index (QI)

$$QI = \frac{Im}{Iq} \times 100,$$

Im: the strongest X-ray intensity of a mineral,
Iq: the strongest X-ray intensity of pure quartz.