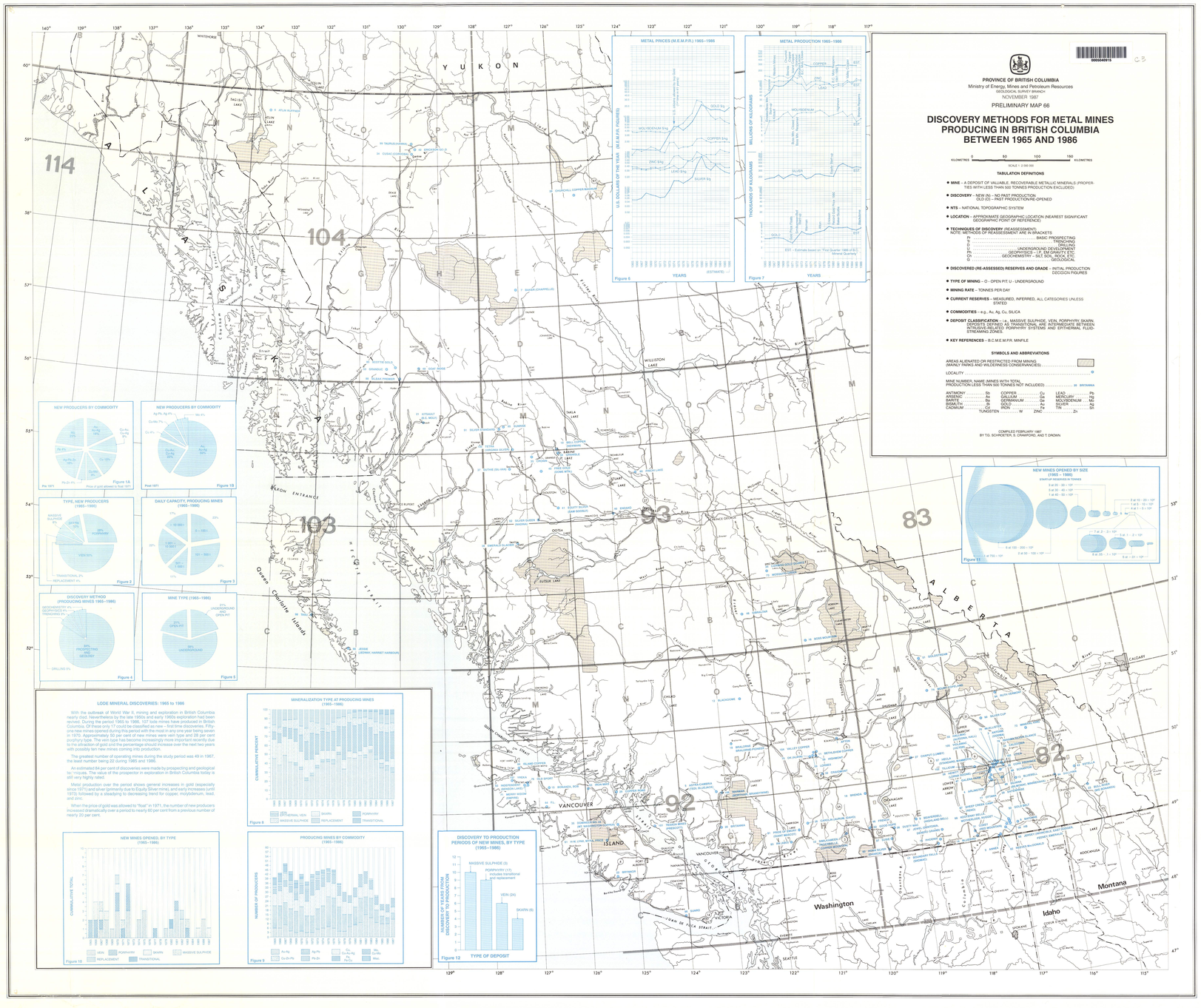

TABULATION OF DISCOVERY METHODS FOR METAL MINES PRODUCING IN BRITISH COLUMBIA BETWEEN 1965 AND 1986

MINE	DISCOVERY NTS	DATE OF ORIGINAL DISCOVERY (DISCOVERY MINE)	NTS	LOCATION	YEARS OF OPERATION	METHOD OF DISCOVERY (DISCOVERY MINE)	METHOD OF LATER DISCOVERY (MINE)	DISCOVERED RESERVES (DISCOVERY MINE)	PRODUCTION TO DEC. 1986 (MINERAL SALES)	TYPE OF MINING	MINING RATE (TONNES PER DAY)	CURRENT RESERVES	COMMODITIES	DEPOSIT CLASSIFICATION	KEY REFERENCES
1. AFTON	92I	1970	50°55'	10 km SW of Kamloops	1977-present	Ge, Pr (DD of Cu)	Ge, Pr (DD of porphyry Cu)	0.6	1.5 Mt Cu, 0.6 Mt Au, 0.7 Mt Ag	O	5000	Dec. 1986 – open pit: 19.5 Mt @ 0.8% Cu, 0.4% Cu, 0.4 g Au, 3.7 g Ag; inferred: 7.5 Mt @ 0.8% Cu, 0.4% Cu, 3.7 g Ag	Cu, Au, Ag	porphyry	McMillan 1985
2. AMAX	N	1964	82F/SW	27 km SW of Fort Nelson	1979-1979	D	D, U, G	not published	811,000 t @ 38.0% Pb, 8.0% Zn, 0.3% Cu, 0.3 oz Ag	U	500	1986 – 1.2 Mt @ 38.0% Pb, 8.0% Zn, 0.3% Cu, 0.3 oz Ag	Pb, Zn, Cu, Ag	replacement	Morin 1987(a,b,c)
3. ANTOINE (OGDEN)	O	ca. 1900 (1902)	82G/NW	13 km E of New Denver	1900-1921 (intermittent), 1941-1942, 1970, 1980	Pr (D)	D, U, G	1974 – mean: 27,710 t @ 10% Pb, 10% Zn, 0.3 oz Ag, 0.03 oz Au; 1979 – 14,515 t @ 7.2% Pb, 7.2% Zn, 0.2 oz Ag, 0.01 oz Au; 1980 – 25,000 t @ 8% Pb, 8% Zn, 0.3 oz Ag, 0.01 oz Au	U	–	see 1974 figures; only 1980 mined since 1942	Ag, Pb, Zn, Cu, Cd	vein	Monte 1983(b,c,d)
4. ARLINGTON	O	ca. 1899	82F/NW	11 km SW of Silverton	1900-1971, 1980-1982, 1984-1986 (except 1978 and 1979)	Pr	D, U, G	not reported	9,100,000 t @ 0.6% Cu, 3.4 g Au, 28.8 g Ag	O	–	1979 – 80,000 t @ 0.6% Cu, 3.4 g Au, 28.8 g Ag	Au, Ag, Pb, Cu, Zn	vein	Monte 1983(a,b,c)
5. ASTRA (AMBERG (TOD) BLACKLAND)	092H	1962	49 km N of Squamish	1970, 1977	Pr, G	Pr, G, U, PR, Ge	see current reserves	1986 – 1.2 Mt @ 0.3% Cu, 0.3% Pb, 0.3% Zn, 0.3 oz Ag, 0.01 oz Au	1986 – 1.2 Mt @ 0.3% Cu, 0.3% Pb, 0.3% Zn, 0.3 oz Ag, 0.01 oz Au	U	90	1986 – 1.2 Mt @ 0.3% Cu, 0.3% Pb, 0.3% Zn, 0.3 oz Ag, 0.01 oz Au; 1986 – 0.4 Mt @ 0.3% Cu, 0.3% Pb, 0.3% Zn, 0.3 oz Ag, 0.01 oz Au (need Pr-D)	Ag, Pb, Zn, Au, Cu	vein, shear	Monte 1986(f)
6. ATLIN-RUFNER	104N	ca. 1900 (ca. 1900)	59N/SW	Mt. Vaughan 30 km N of Atlin	1916, 1937-1942, 1951-1953, 1980-1982	Pr	D, U, G	not published	1,000,000 t @ 0.6% Cu, 0.06% Mo, 0.3 oz Ag	U	50	1980 – 1,000,000 t @ 0.6% Cu, 0.06% Mo, 0.3 oz Ag	Cu, Mo, Ag	vein	Monte 1986(f)
7. BAKER (CHAPPELLE)	N	1969	94E/SE	Tomlinsons 20 km N of Atlin	1981-1982	Pr, Ge	Tr, U, G, G	1979 – 1,000,000 t @ 0.6% Cu, 0.06% Mo, 0.3 oz Ag	1979 – 1,000,000 t @ 0.6% Cu, 0.06% Mo, 0.3 oz Ag	U, U	90	new reserves being developed on 75 level	Ag, Au	vein	Monte 1979(a,b), Ney 1980, Ney et al. 1981
8. BAYONNE	O	ca. 1901	82F/SW	20 km W of Creston	1935-1937 (intermittent), 1981	Pr	Pr, U, G	not reported	1,000 t @ 0.7% Cu, 7.7% Pb, 7.7% Zn, 0.1 oz Au, 12.0 oz Ag	U	–	1981 – mined 20,983 t @ 10.7% Pb, 10.7% Zn, 0.1 oz Au, 12.0 oz Ag	Pb, Zn, Au, Ag	vein	Monte 1983(a)
9. BEAVERDELL (FIVEPLUMS (BLUE))	O	ca. 1900	82E/SE	Beaverdell	1918 to present	Pr, Ge, Pr	Pr, U, G	not reported	1,000,000 t @ 0.6% Cu, 0.3 oz Ag, 0.01 oz Au	U	170	1986 – 1,000,000 t @ 0.6% Cu, 0.3 oz Ag, 0.01 oz Au	Ag, Pb, Cu, Au	vein	Monte 1983(a,b,c)
10. BELL (COPPER (NORMAN))	N	1963	93M/10	45 km NE of Smithers	1972-1980, 1985-present	Pr	D, G	1971 – simulpits reserves: 47,731,000 t @ 0.4% Cu, 0.2% Cu,Ni	1,000,000 t @ 0.4% Cu, 0.2% Cu,Ni	U, 15,000	2500	1986 – 17,000,000 t @ 0.2% Cu	Cu, Au, Ag	porphyry	Monte 1983(f)
11. BETHLEHEM (COPPER (WOODY))	92I	1970	50°54'	45 km SW of Kamloops	1972-1982	Pr, Tr	D, U, G, G, G