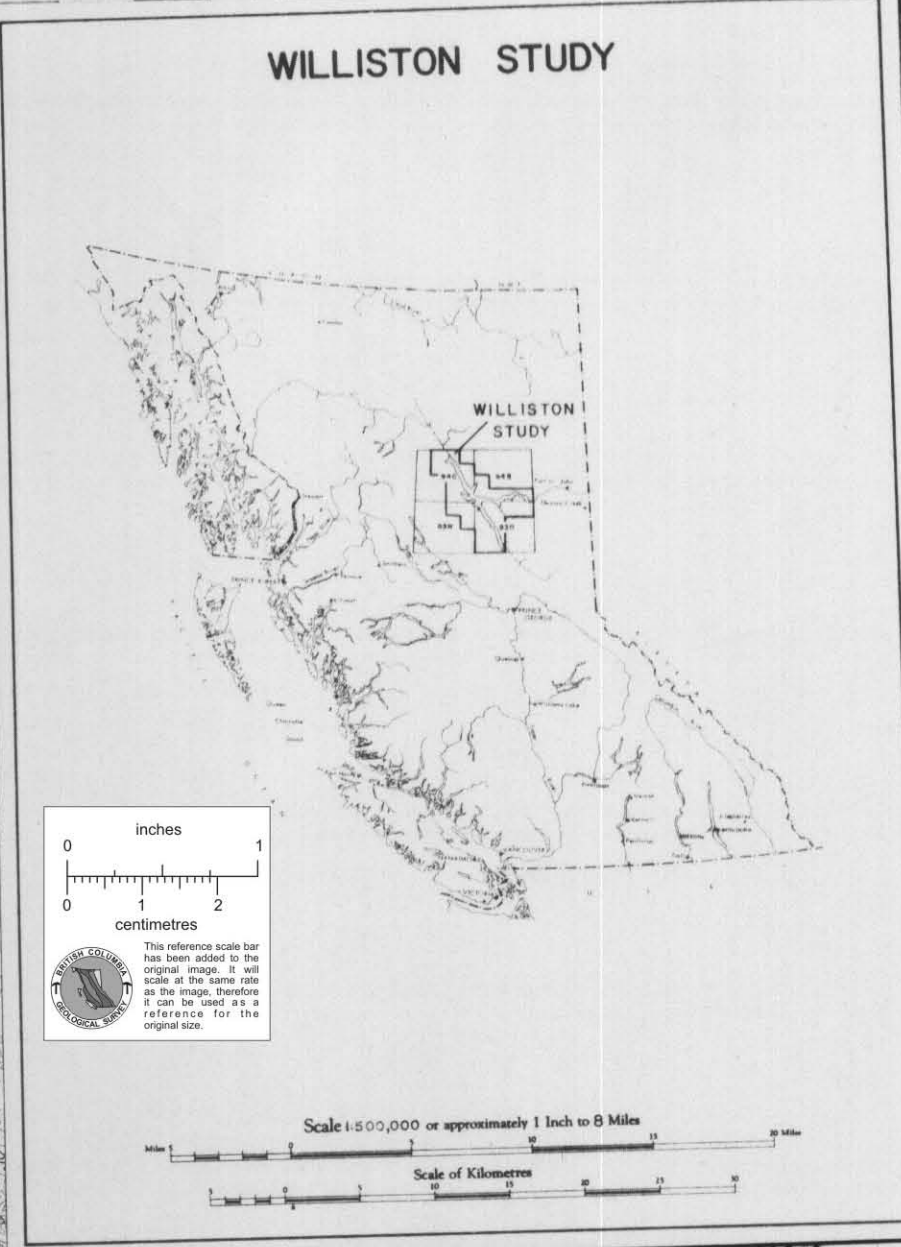
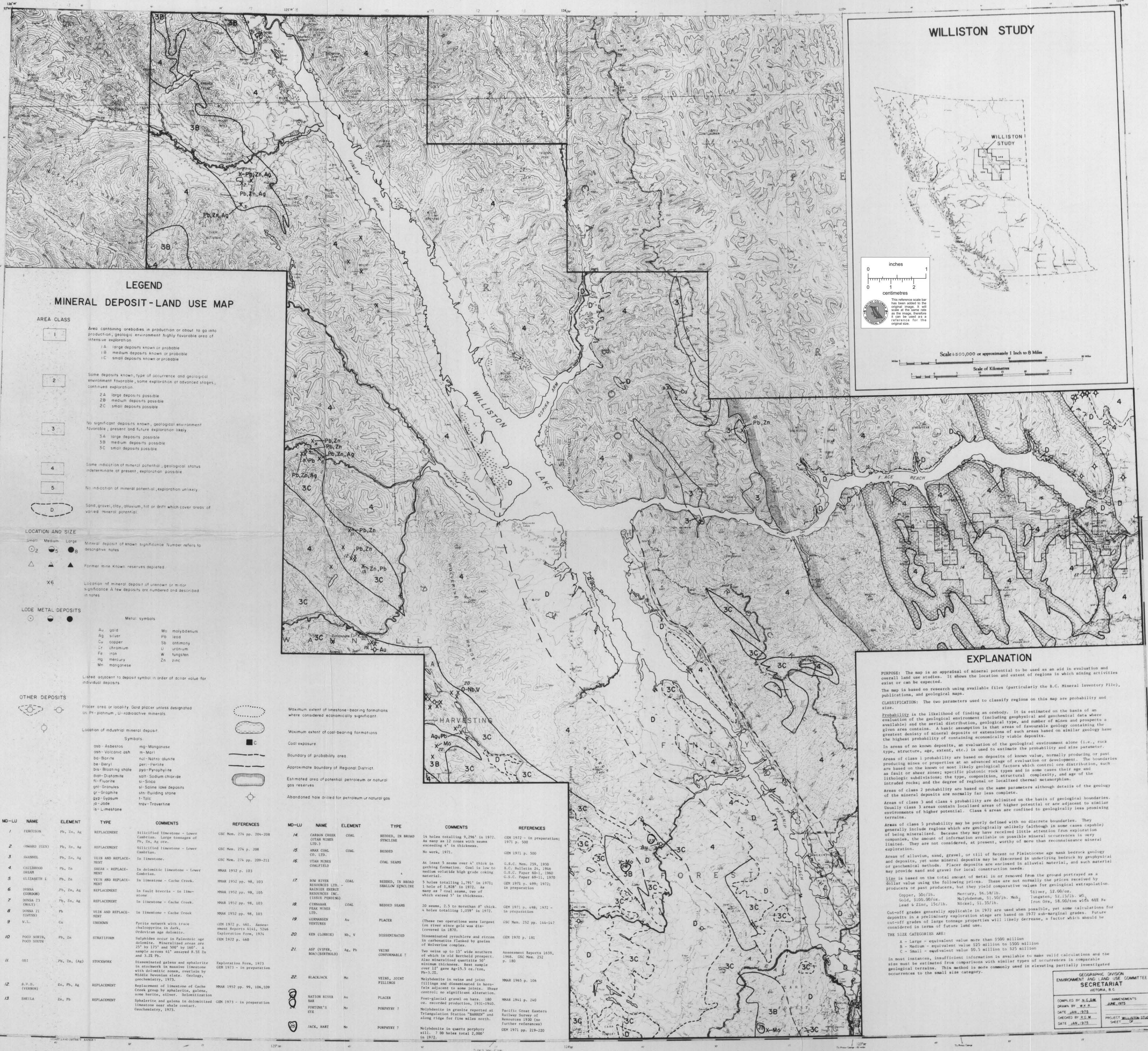


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PROPERTY FILE



**LEGEND**  
**MINERAL DEPOSIT-LAND USE MAP**

- AREA CLASS**
- 1 Area containing orebodies in production or about to go into production; geological environment highly favorable area of intensive exploration
    - 1A large deposits known or probable
    - 1B medium deposits known or probable
    - 1C small deposits known or probable
  - 2 Some deposits known, type of occurrence and geological environment favorable, some exploration at advanced stages, continued exploration
    - 2A large deposits possible
    - 2B medium deposits possible
    - 2C small deposits possible
  - 3 No significant deposits known, geological environment favorable, present and future exploration likely
    - 3A large deposits possible
    - 3B medium deposits possible
    - 3C small deposits possible
  - 4 Some indication of mineral potential, geological status indeterminate of present, exploration possible
  - 5 No indication of mineral potential, exploration unlikely
- LOCATION AND SIZE**
- Small Medium Large
  - Mineral deposit of known significance. Number refers to descriptive notes.
  - Former mine known reserves depleted.
  - X6 Location of mineral deposit of unknown or minor significance. A few deposits are numbered and described in notes.
- LODE METAL DEPOSITS**
- Metal symbols
- Au gold
  - Ag silver
  - Cu copper
  - Cr chromium
  - Fe iron
  - Hg mercury
  - Mn manganese
  - Mo molybdenum
  - Pb lead
  - Sb antimony
  - U uranium
  - W tungsten
  - Zn zinc
- Letters adjacent to deposit symbol in order of dollar value for individual deposits.

- OTHER DEPOSITS**
- Placer area or locality. Gold placer unless designated as Pt-platinum, U-radioactive minerals.
  - Location of industrial mineral deposit.
  - Symbols:
    - Asb-Asbestos
    - Volc-volcanic ash
    - Borite
    - Beryl
    - Shalting shale
    - Diatomite
    - Fluorite
    - Gra-granules
    - Gra-granite
    - Gyp-gypsum
    - Id-idolite
    - Lm-limestone
    - Mg-Manganese
    - Nu-Niobium
    - Nul-Niobium
    - Per-Perlite
    - Pho-Phosphoryl
    - Soc-Sodium chloride
    - Si-Silica
    - Sis-Siliceous siltstone
    - St-Siliceous siltstone
    - T-Talc
    - Tr-Travertine

- Maximum extent of limestone-bearing formations where considered economically significant.
- Maximum extent of coal-bearing formations.
- Coal exposure.
- Boundary of probability area.
- Approximate boundary of Regional District.
- Estimated area of potential petroleum or natural gas reserves.
- Abandoned hole drilled for petroleum or natural gas.

MO-LU	NAME	ELEMENT	TYPE	COMMENTS	REFERENCES
1	FERRISBURG	Pb, Zn, Ag	REPLACEMENT	Silicified limestone - Lower Cambrian. Large tonnage of Pb, Zn, Ag ore.	OSC Mem. 274 pp. 204-208
2	ONWARD (CEX)	Pb, Zn, Ag	REPLACEMENT	Silicified limestone - Lower Cambrian.	OSC Mem. 274 p. 208
3	SHARREL	Pb, Zn, Ag	VEIN AND REPLACEMENT	In limestone.	OSC Mem. 274 pp. 209-211
4	CHILDWOOD DEAN	Pb, Zn	VEIN AND REPLACEMENT	In dolomitic limestone - Lower Cambrian.	MMAR 1952 p. 103
5	ELIZABETH I	Pb, Zn, Ag	VEIN AND REPLACEMENT	In limestone - Cache Creek.	MMAR 1952 pp. 98, 103
6	DONNA (CORB)	Pb, Zn, Ag	REPLACEMENT	In fault breccia in limestone.	MMAR 1952 pp. 98, 103
7	DONNA 21 (GUYEN)	Pb, Zn, Ag	REPLACEMENT	In limestone - Cache Creek.	MMAR 1952 pp. 98, 103
8	W.L.	Cu	UNKNOWN	Pyrite network with trace thioapatite in dolomite. Ordovician age dolomite.	OSR 1972 p. 461, Assessment Reports 4141, 5246 Exploration Form, 1973, OSR 1972 p. 460
9	POOD NORTH, POOD SOUTH	Pb, Zn	STRATIFORM	Sphalerite occur in Palaeozoic age dolomite. Mineralized areas are 25' by 125' and 500' by 160'. A sample area 41' averaged 8.35 Zn and 3.22 Pb.	Exploration Form, 1973 OSR 1973 - in preparation
10	OSI	Pb, Zn, Ag	STOCKWORK	Disseminated galena and sphalerite in stockwork in massive limestone with dolomitic zones, overlain by Middle Devonian slate. Geology, geochemistry, 1973.	MMAR 1952 pp. 99, 106, 109
11	R.V.D. (VERNON)	Zn, Pb, Ag	REPLACEMENT	Replacement of limestone of Cache Creek group by sphalerite, galena, and barite. Alteration. Sphalerite and galena in dolomitic limestone near shale contact. Geochemistry, 1973.	OSR 1973 - in preparation
12	SHEILA	Zn, Pb	REPLACEMENT	Sphalerite and galena in dolomitic limestone near shale contact. Geochemistry, 1973.	OSR 1973 - in preparation
13	JACK, HART	Pb, Zn	UNKNOWN	Sphalerite in quartz porphyry with 7 Pb holes total, 2,000' in 1972.	OSR 1972 p. 219-220
14	CARBON CREEK (UTAH MINES LTD.)	COAL	BEDDED, IN BROAD SYNCLINE	14 holes totaling 9,296' in 1972. As many as 12 zones with seams exceeding 4' in thickness. No work, 1971.	OSR 1972 - in preparation; 1971 p. 300
15	ANAK COAL CO. LTD.	COAL	BEDDED	At least 3 seams over 4' thick in bedding formation. Coal is low to medium volatile high grade coking material.	OSR 1971 p. 500
16	UTAH MINES COALFIELD	COAL SEAMS		At least 3 seams over 4' thick in bedding formation. Coal is low to medium volatile high grade coking material.	U.S.C. Mem. 259, 1950 S.C. Bulletin 54, 1946 S.C.C. Paper 40-1, 1960 S.C.C. Paper 40-11, 1970
17	BON RIVER RESOURCES LTD. BALKIER ENERGY SERVICES INC. (ISSUE PENDING)	COAL	BEDDED, IN BROAD SHALLOW SYNCLINE	5 holes totaling 1,791' in 1971; 1 hole of 1,828' in 1972. As many as 7 coal seams, two of which exceed 5' in thickness.	OSR 1971 p. 499; 1972; in preparation
18	CINNAMON PEAK MINES LTD.	COAL	BEDDED SEAMS	20 seams, 2.5 to more than 8' thick. 4 holes totaling 1,039' in 1972. In preparation.	OSR 1971 p. 498; 1972 - in preparation
19	KENNEDY VENTURES	Au	PLACER	(These two operations were targeted for river since gold was discovered in 1970.	OSR Mem. 252 pp. 144-147
20	KEE (LONNIE)	Nb, V	DISSEMINATED	Disseminated pyrochlore and zircon in carbonaceous slates by greises of Sulphur complex.	OSR 1970 p. 181
21	ASP (TYPER, MOA) (BERTHOLD)	Ag, Pb	VEINS CONFORMABLE	Two veins up to 12' wide southern of which is old Berthold prospect. Also mineralized quartzite 30' minimum thickness. Best sample over 12' gave Ag-25.5 oz./ton, Pb-3.22.	Assessment Reports 1659, 1968, OSC Mem. 252 p. 180
22	BLACKLACK	Nb	VEINS, JOINT FILLINGS	Molybdenite in veins and joint fillings and disseminated in hornfels adjacent to some joints. Shows control on structural alterations.	MMAR 1965 p. 106
23	NATION RIVER BAR	Au	PLACER	Post-glacial gravel on bars. 180 oz. recovered production, 1931-1950.	MMAR 1941 p. 240
24	PORTMAN'S RYE	Pb, Zn	PORPHYRY ?	Molybdenite in granite reported at Triangulation Station "BARREN" and along ridge for five miles north.	Pacific Great Eastern Railway Survey of Vancouver 1910
25	JACK, HART	Pb, Zn	PORPHYRY ?	Molybdenite in quartz porphyry with 7 Pb holes total, 2,000' in 1972.	OSR 1972 p. 219-220

**EXPLANATION**

**PURPOSE:** The map is an appraisal of mineral potential to be used as an aid in evaluation and overall land use studies. It shows the location and extent of regions in which mining activities exist or can be expected.

The map is based on research using available files (particularly the B.C. Mineral Inventory File), publications, and geological maps.

**CLASSIFICATION:** The two parameters used to classify regions on this map are probability and size.

**Probability:** is the likelihood of finding an orebody. It is estimated on the basis of an evaluation of the geological environment (including geophysical and geochemical data where available) and the serial distribution, geological type, and number of mines and prospects in a given area. A basic assumption is that areas of favourable geology containing the highest probability of containing economically viable deposits.

In areas of no known deposits, an evaluation of the geological environment alone (i.e., rock type, structure, etc.) is used to estimate the probability and size parameter.

**Size:** is based on the total amount of metal in or removed from the ground portrayed as a deposit. It is based on the following prices. These are not normally the prices received by producers or past producers, but they yield comparative values for geological estimation purposes.

Copper, 50¢/lb.      Mercury, 5¢/lb.      Silver, \$2.00/oz.  
 Gold, \$100.00/oz.      Molybdenum, \$1.50/lb. MoS<sub>2</sub>      Tungsten, \$2.15/lb. W  
 Iron Ore, 18.00/ton with 60% Fe      Lead & Zinc, 15¢/lb.

Cut-off grades generally applicable in 1972 are used when possible, yet some calculations for deposits in a preliminary exploration stage are based on 1973 sub-marginal grades. Future cut-off grades of large tonnage properties will likely decrease, a factor which would be considered in terms of future land use.

**THE SIZE CATEGORIES ARE:**

- A - Large - equivalent value more than \$500 million
- B - Medium - equivalent value 250 million to \$500 million
- C - Small - equivalent value 50 million to 250 million

In most instances, insufficient information is available to make valid calculations and the size must be estimated from comparison with similar types of occurrences in comparable occurrences to the small size category.

GEOGRAPHIC DIVISION  
 ENVIRONMENT AND LAND USE COMMITTEE  
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 VICTORIA, B.C.

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 DATE JAN. 1973  
 CHECKED BY M.C.S.M.  
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AMENDMENTS  
 DATE  
 PROJECT WILLISTON STUDY  
 SHEET 10