

BIOPHYSICAL CLASSIFICATION FOR WILDLIFE CAPABILITY

1. Explanatory Notes
 This map represents a biophysical classification for wildlife capability. It is based on the present state of knowledge of the physical environment and wildlife capability. It is based on the physical environment and wildlife capability. It is based on the physical environment and wildlife capability.

2. Example of Map Symbol
 CAPABILITY RATING (See Box 4 & 5) SUPERSCRIPT RATING INDICATES WINTER RANGE
 INDICATE SPECIES (See Box 3) SUBSCRIPT RATING INDICATES SUMMER RANGE
 ENVIRONMENTAL CONDITIONS (See Box 6)

3. Ungulate Species Symbols
 H. White-tailed Deer, C. Moose, M. Mountain Sheep, W. White-tailed Deer, C. Moose

4. Capability Classes
CLASS 1 Lands in this class have very high capability to support the assigned ungulate species. When required, this class may be subdivided on the basis of productivity into Classes 1a, 1b and 1c.
CLASS 2 Lands in this class have high capability to support the assigned ungulate species.
CLASS 3 Lands in this class have moderate capability to support the assigned ungulate species.
CLASS 4 Lands in this class have low capability to support the assigned ungulate species.
CLASS 5 Lands in this class have very low capability to support the assigned ungulate species.
CLASS 6 Lands in this class have no or virtually no capability to support ungulates.

5. Biophysical Ungulate Capability Class Carrying Capacity Estimates

Species Class	Class 1	Class 2	Class 3	Class 4	Class 5	Class 6
White-tailed Deer	24-41	20-32	20-24	16-20	13-16	10-12
Moose	21-34	17-29	16-20	13-16	10-13	8-10
Mountain Sheep	25-27	16-21	12-16	10-13	8-10	6-8
White-tailed Deer	14-20	11-16	8-12	7-10	5-8	4-6
Moose	7-14	5-11	4-8	3-7	3-5	2-4
Mountain Sheep	3-7	2-5	2-4	1-3	1-3	1-2
Deer	42	42	42	42	42	42
Sheep	0	0	0	0	0	0

6. Environmental Conditions
 The most significant environmental conditions influencing the production of the species and that determine the capability class, are indicated on the map by symbols. The environmental conditions affect the ability of the land to meet the needs of the species in terms of food, cover and other requirements. For convenience, the environmental condition symbols are placed in three main categories: those relating to climate (such as snowfall or temperature), those relating to the inherent characteristics of the land (such as landform, soils or vegetation potential), and those relating to permanent anthropogenic (man-made) changes to the land base.

CLIMATE
 Pn - RAIN SHADOW - unit in which severe rain shadow has been established due to climatic factors that occurs in adjacent areas
 Pm - HIGH WIND - unit in which wind accumulation is greater than approximately one meter
 Pw - LOW WIND - unit in which wind accumulation is less than approximately one meter in depth
 Pz - MODERATE WIND - unit in which wind accumulation is approximately one half to one meter in depth
 P1 - CUMULOUS AND GLACIER - unit of permanent ice or snow
 P2 - INTERFERED SOLAR RADIATION - unit in which solar radiation is significantly reduced through exposure to solar radiation on southerly aspects
 P3 - WINDSHIELD - unit in which wind accumulation is consistently reduced by wind action
 P4 - ALPINE WINDS - unit at high elevations that is subject to aridity in summer from extreme evapotranspiration and wind action
 P5 - COLD AIR LAYER - extreme and persistent freezing temperatures below temperature inversions
 P6 - FOGGY - unit that is subject to increased occurrence of foggy temperatures relative to the surrounding terrain
 P7 - WIND HEAT - unit that is subject to high heat causing extreme evapotranspiration
 P8 - WIND AIR LAYER - relatively warm air, occurring over temperature inversions
 P9 - EROSION - unit that is greatly exposed to frost winds throughout the year

ANTHROPOGENIC
 P10 - RESERVE OR PROTECTED ZONE - the area between full pool and low pool in reservoirs
 P11 - INDUSTRIAL DEVELOPMENT - unit of industrial development such as mills, mines, settlements or small areas
 P12 - TRANSPORTATION CORRIDORS - unit that has a significant proportion of transportation development such as roads or railroads
 P13 - URBAN DEVELOPMENT - unit that has permanent urban development

SOILS AND LANDFORMS
 P14 - ALPINE TUNDRA SOILS - unit of virtually levelless high elevation mountains or plateaus
 P15 - ALKALINE SOILS - unit of strongly alkaline soil
 P16 - OPEN FOREST SOILS - unit where an open forest or a savanna forest/grassland has been established
 P17 - WILDED FOREST SOILS - unit where dense conifer forest has been established
 P18 - GRASSLAND SOILS - unit where a grassland has been established
 P19 - MOIST SOILS - unit of moist mineral soil
 P20 - HUMID SOILS - unit that has an interrupted forest cover of stunted subalpine tree species
 P21 - DEEP LAZULETIC DEPOSITS - unit that is dominated by soils developed from rocks, inactive lacustrine deposits

SOILS AND LANDFORMS (continued)
 P22 - SUBALPINE MEADOW - unit where a subalpine meadow has been established
 P23 - PROTECTED SOILS - unit with poor drainage that is dominated by organic soils
 P24 - ERODIBLE - unit that is dominated by bedrock
 P25 - COLLISE SOILS - unit of strongly saline soil
 P26 - FLOOD - unit that is dominated by talus
 P27 - DEEP FLUVIAL DEPOSITS - unit that is dominated by well to rapidly drained soils developed from deep fluvial deposits
 P28 - DEEP SOILS - unit that is dominated by well to rapidly drained soils of coarse textured material or colluvial materials
 P29 - HILLSLOPE TRENCHES - unit that has wadstone cluses

SOILS AND LANDFORMS (continued)
 P30 - SOIL PROTECTIVE - unit that has erosion or gullied erosion ranging from sheet erosion through to deep gulches
 P31 - WIND EXPOSED - unit of flat land bordering a river and subject to periodic flooding
 P32 - WIND EXPOSED - unit that is subject to long periods of actual flooding resulting in marshy vegetation
 P33 - WIND EXPOSED - unit that is flat with slopes less than 2°
 P34 - WIND EXPOSED - unit with slope slopes of between 2° and 20° in a general by low relief area
 P35 - WIND EXPOSED - unit with slopes greater than 20°
 P36 - FLOOD TRENCHES - unit that is formed frequently by channel activity
 P37 - FLOOD TRENCHES - unit of extensive clay-impacted

7. On-Site Symbols
 Identifies the location of some mineral ticks
 Identifies important known or suspected seasonal movement corridors

8. References
 For a more detailed description of the classification system the reader should refer to the questions which describe the Biophysical Capability Classification for Ungulates in British Columbia. These questions are available from the Terrestrial Studies Branch, Ministry of Environment, Parliament Buildings, Victoria, British Columbia.

9. Credits
 Prepared by D. Blower
 Date of map: 1982 - 83
 Date of base map: 1974 - 80 chin
 Date of base map by Survey of Canada: 1982/85, 1983/85, 1984/85, 1985/85
 Date of map: 1983
 Distribution: Available from the Terrestrial Studies Branch, Ministry of Environment, Victoria, B.C.
 Date map provided by: Survey and Mapping Branch, Ministry of Environment, Victoria, B.C.

10. Credits
 1982 Edition

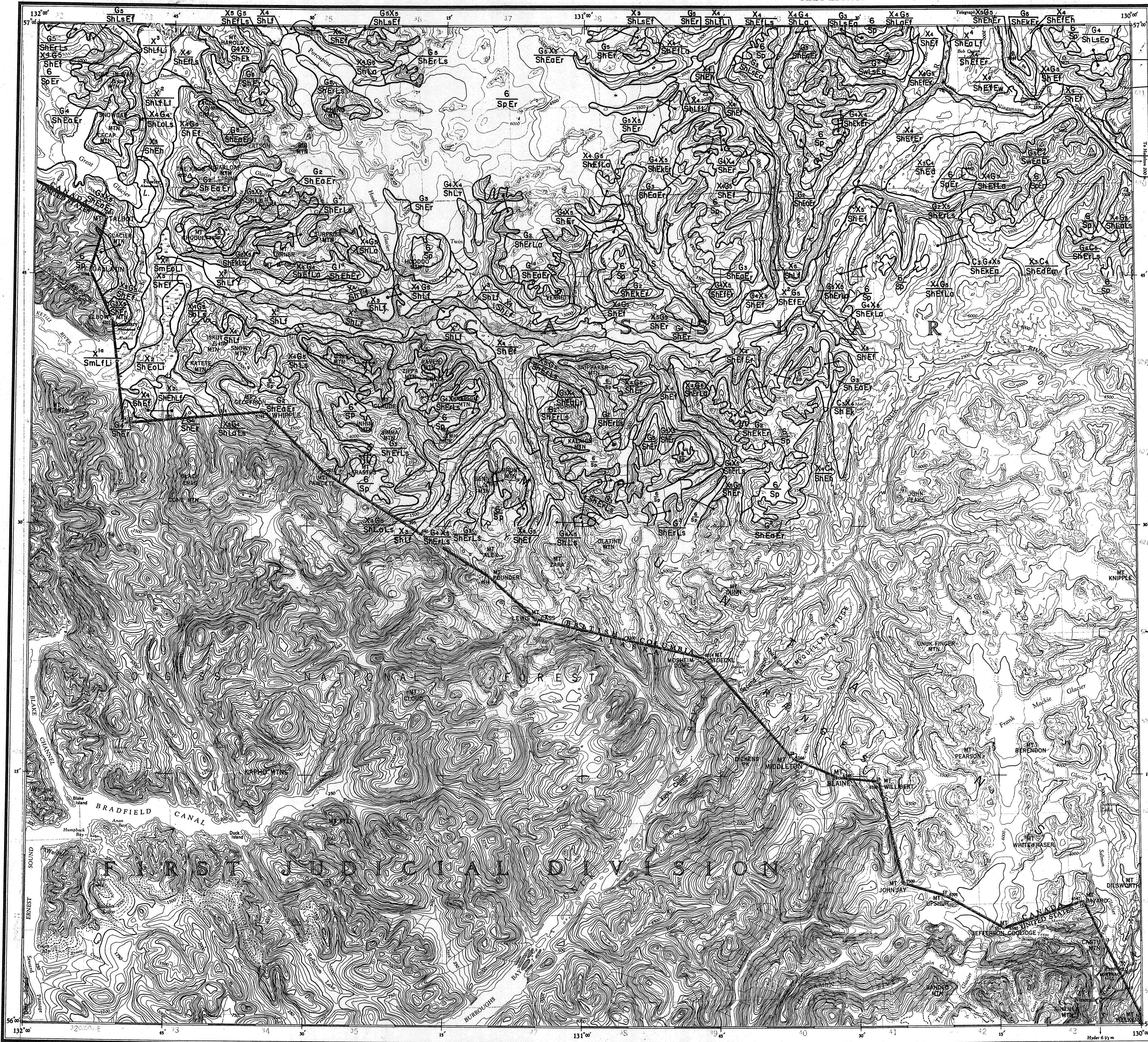
ISKUT RIVER WILDLIFE (UNGULATE) BIOPHYSICAL INVENTORY (104 B)

NATIONAL TOPOGRAPHIC SERIES

FIRST EDITION

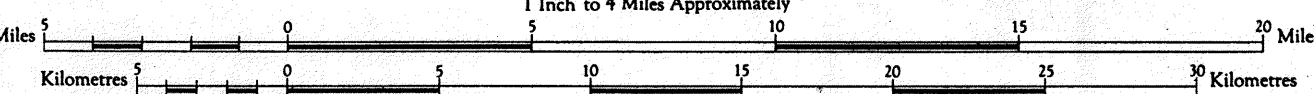
104 B
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 Edition: 1982
 Date: 1982

CANADA, SHEET 104 B

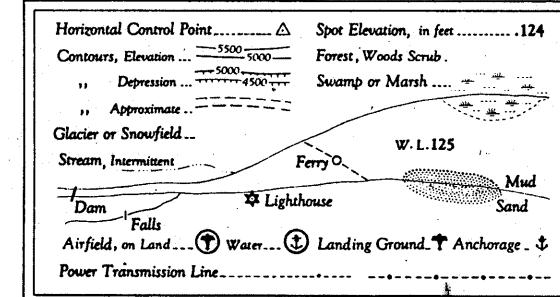


ISKUT RIVER CANADA-UNITED STATES

Scale 1:250,000



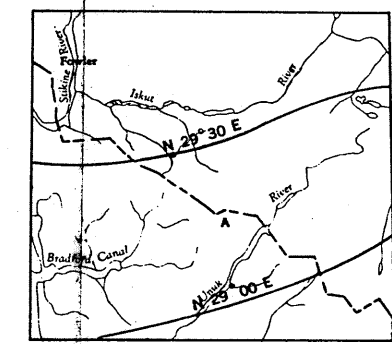
REFERENCE



GRID ZONE DESIGNATION 100 000 W SOUTH ORIENTATION UP VP UN VN	UTM ZONE 18N	EASTING 6274	NORTHING 9UN6274
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TEN THOUSAND METRE UNIVERSAL TRANSVERSE MERCATOR GRID ZONE 9

THE DECLINATION OF THE COMPASS NEEDLE, 1955



The declination of the compass needle at any place along a red line to the declination given on the red line. At other places the declination is between those given on the neighbouring red lines; that is the declination is the declination at the nearest red line plus or minus the nearest declination of the compass needle as indicated.

Based on control by the Topographical Survey and International Boundary Commission, Department of Mines and Technical Surveys. Compiled, drawn and printed by the ARMY SURVEY ESTABLISHMENT R.C.E. Department of National Defence, 1959-55. Aerial photography by the R.C.A.F. 1949.

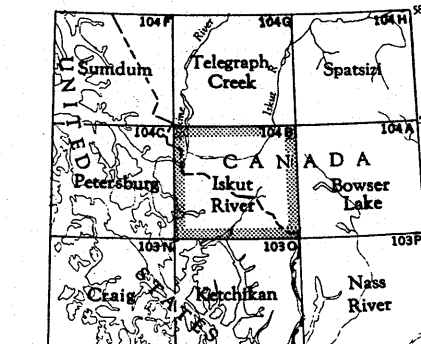
REFERENCE

Road, Hard Surface, All Weather	More than 3 Lanes	2 Lanes	1 Lane
Lane Surface, All Weather	2 Lanes	1 Lane	0 Lanes
Lane Surface, All Weather	1 Lane	0 Lanes	0 Lanes
Cross Track, Trail	Cross Track	Trail	Trail
Single Track	Single Track	Trail	Trail
Boundary, International	Boundary	Boundary	Boundary
Prison or Jail	Prison or Jail	Prison or Jail	Prison or Jail
Camp or District	Camp or District	Camp or District	Camp or District
Remains, Indian, Military, etc.	Remains, Indian, Military, etc.	Remains, Indian, Military, etc.	Remains, Indian, Military, etc.

Copies may be obtained from The Map Distribution Office, Dept. of Mines and Technical Surveys, Ottawa.

Contour Interval 500 Feet in Canada. Contour Interval in U.S.A. 200 and 350 Feet. Elevations in Feet above Mean Sea Level.

Universal Transverse Mercator Projection. North American Datum 1927. February 1957



NOTE: On the above index the sheets published are shown shaded green.

ISKUT RIVER SHEET 104 B
 NOS 1-10
 AMS SERIES G 901