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DEPARTMENT OF ENERGY, MINES AND RESOURCES

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LEGEND

② Erosion susceptibility classification

12 Ground check

Airphoto interpretation and
fieldwork D. A. ST-Onge
and J. Lengellé

G. S. C. 1973

EROSION SUSCEPTIBILITY CLASSIFICATION
SWAN HILL REGION, ALBERTA

RESISTANCE	SLOPE		
	0-5°	6-10°	>10°
Gravel	A I Y	A II Z	B III Z
Till	A I X	B II Y	B II Z
Shif. Clay Sandstone	A I Y	B III Z	C III Z
shale	B III Y	C II Z	D III Z

A No pullover
B Very shallow pullover, self arresting
C Deep very dense pullover
D Near dense pullover and mud flows

Natural Vegetation Rates

Roots & canopy not removed	Roots & canopy removed
I Will regenerate rapidly	X
II Will regenerate slowly	Y
III Will not regenerate	Z

This classification combines the following factors; materials, slopes and revegetation rate; the latter contains two modifiers, deforestation with or without the removal of the top-soil. The result is a 12 category system within which Swan Hills land-forms units can be grouped. The system was kept as unsophisticated as possible so that the map could be readily understood by all users, whether in an office or in the field.

The map defines areas of varying degrees of terrain sensitivity related to deforestation. It is not intended to replace detailed on-site investigations but should, however, be of considerable use in defining the scope and extent of potential problem areas.

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WALLACE MOUNTAIN
ALBERTA
WEST OF FIFTH MERIDIAN - OUEST DU CINQUIÈME MÉRIDIEN

SCALE 1:50,000 ÉCHELLE



CONTOUR INTERVAL 50 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection
MAGNETIC DECLINATION 25°09' EAST
AT CENTRE OF MAP 1961
Annual change (decreasing) 5.5'

ÉQUIDISTANCE DES COURBES 50 PIEDS
Élévations en pieds au-dessus du niveau moyen de la mer
Réseau géodésique nord-américain unifié (1927)
Projection transverse de Mercator
DÉCLINAISON MAGNÉTIQUE AU CENTRE
DE LA FEUILLE EN 1961: 25°09' EST
Variation annuelle (diminuant): 5,5'

Établi et imprimé sur la DIRECTION DES LEVES ET DE LA CARTOGRAPHIE, MINISTÈRE DES MINES ET DES RELEVÉS TECHNIQUES en 1961, à partir des photographies aériennes prises en 1956.
Ces cartes sont en vente au Bureau de distribution des cartes, ministère des Mines et des Relevés techniques, Ottawa. Prix de l'exemplaire: 25 cents.

Building	Édifice	Rail	Grange
School	École	Post Office	Bureau de poste
Church	Église	Cemetery	Cimetière
Lighthouse	Phare	Marsh	Marais
River with bridge	Rivière avec pont	Marsh and swamp	Marais et tourbière
Stream, intermittent or dry	Cours d'eau intermittent ou à sec	Lake, intermittent, shallow	Lac intermittent, peu profond
Lake, intermittent, shallow	Lac intermittent, peu profond	Marsh or swamp	Marais ou tourbière
Marsh or swamp	Marais ou tourbière	Contours of woods	Courbes de forêts
Depression contour	Courbe de dépression		

TABLEAU D'ASSIGNATION DU SYSTÈME DE RÉFÉRENCE CARTOGRAPHIQUE NATIONAL		
83 J/13 E	83 J/13 E	83 J/13 E
83 J/13 E	83 J/13 E	83 J/13 E
83 J/13 E	83 J/13 E	83 J/13 E
83 J/13 E	83 J/13 E	83 J/13 E

WALLACE MOUNTAIN
83 J/13 E
EDITION 1