SOIL MAP OF LEEDS COUNTY ONTARIO

EAST SHEET

SOIL SURVEY REPORT NO. 41

Scale 1 inch to 1 mile or 1:63,360

Miles 1 ½ 0 1 2 3 4 Miles

Contour Interval 50 Feet
All Elevations in Feet above Mean Sea Level

REFERENCE

Roads:
main highway
secondary
other roads
cart track, trail
Railways:
multiple track
single track
Horizontal control point
Bench mark
Spot elevation
Cemetery
Boundaries:
International
Provincial
County
Township
Indian reserve
Power transmission line
Intermittent or indefinite stream
Contours:
elevation
depression
Cliff

LEGEND

MAP SYMBOL	SOIL TYPE	ACREAGE	GREAT GROUP	SOIL MATERIALS	SOIL DRAINAGE CLASSES
Ald	ALLENDALE sandy loam	550	Humic Gleysol	Non-calcareous sand	Poorly drained
BrSd	BATTERSEA fine sandy loam	600	Gray-Brown Podzolic	Calcareous silty clay loam	Imperfectly drained
BrSl	BATTERSEA silt loam	900	Gray-Brown Podzolic	Calcareous silty clay loam	Imperfectly drained
Cal	CARP clay loam	950	Gray-Brown Podzolic	Calcareous clay loam	Imperfectly drained
Cal sh	CARP clay loam—shallow phase	100	Gray-Brown Podzolic	Calcareous clay loam	Imperfectly drained
Fl	FARMINGTON loam	173,950	Brown Forest	Shallow till over limestone bedrock	Well drained
FsI	FARMINGTON sandy loam	12,750	Brown Forest	Shallow till over limestone bedrock	Well drained
Gc	GANANOQUE clay	1,450	Gray Wooded	Calcareous clay	Well drained
Gs	GRANBY sandy loam	200	Humic Gleysol	Calcareous sand	Poorly drained
Gl	GRENVILLE loam	10,150	Brown Forest	Calcareous stony loam till	Well drained
Gl sh	GRENVILLE loam — shallow phase	5,650	Brown Forest	Calcareous stony loam till over limestone bedrock	Well drained
GsI	GRENVILLE sandy loam	1,100	Brown Forest	Calcareous stony loam till over limestone bedrock	Well drained
Hl	HINCHINBROOKE loam	2,400	Humic Gleysol	Calcareous fine sand and silt	Poorly drained
Hl sh	HINCHINBROOKE loam — shallow phase	900	Humic Gleysol	Calcareous fine sand and silt	Poorly drained
HsI	HINCHINBROOKE fine sandy loam	3,300	Humic Gleysol	Calcareous fine sand and silt	Poorly drained
Hsl	HINCHINBROOKE silt loam	1,800	Humic Gleysol	Calcareous fine sand and silt	Poorly drained
Kg	KARS gravelly loam	1,300	Gray-Brown Podzolic	Calcareous outwash sand and gravel	Well drained
Lac	LANSDOWNE clay	1,850	Gray Wooded	Calcareous clay	Imperfectly drained
Lyl	LYONS loam	2,000	Humic Gleysol	Calcareous stony loam till	Poorly drained
Lyl sh	LYONS loam — shallow phase	2,700	Humic Gleysol	Calcareous stony loam till	Poorly drained
Ma	MARSH	4,850			Very poorly drained
M	MUCK	29,200	Organic	Organic	Very poorly drained
M sh	MUCK shallow phase	550	Organic	Organic	Very poorly drained
Ml	MATILDA loam	8,450	Brown Forest	Calcareous stony loam till	Imperfectly drained
Ml sh	MATILDA loam — shallow phase	12,950	Brown Forest	Calcareous stony loam till	Imperfectly drained
Ne	NAPANEE clay	56,400	Humic Gleysol	Calcareous clay	Poorly drained
Ne sh	NAPANEE clay — shallow phase	300	Humic Gleysol	Calcareous clay	Poorly drained

TOPOGRAPHIC CLASSES

SIMPLE TOPOGRAPHY Single slopes (Regular surface)	COMPLEX TOPOGRAPHY Multiple slopes (Irregular surface)	SLOPE Percent
A — Depressional to level	a	0 — 0.5
B — Very gently sloping	b	0.5 — 2.0
C — Gently sloping	c	2 — 5
D — Moderately sloping	d	6 — 9
E — Strongly sloping	e	10 — 15
F — Steeply sloping	f	16 — 30
G — Very steeply sloping	g	31 — 60
H — Extremely sloping	h	over 60

STONINESS CLASSES

0 — Stoneless
1 — Slightly stony
2 — Moderately stony
3 — Very stony
4 — Exceedingly stony

ROCKY CLASSES

5 — Rockfree
6 — Slightly rocky
7 — Moderately rocky
8 — Very rocky
9 — Exceedingly rocky

CONVENTION

Examples: Gsl — Soil type; A0 — Topography — Stoniness

KEY MAP

LEGEND

MAP SYMBOL	SOIL TYPE	ACREAGE	GREAT GROUP	SOIL MATERIALS	SOIL DRAINAGE CLASSES
NGc	NORTH GOWER clay loam	10,600	Humic Gleysol	Calcareous clay	Poorly drained
NGc sh	NORTH GOWER clay loam — shallow phase	100	Humic Gleysol	Calcareous clay	Poorly drained
P	PEAT	11,550	Organic	Organic	Very poorly drained
Pl	PICADILLY loam	200	Gray-Brown Podzolic	Calcareous fine sand and silt	Imperfectly drained
Psl	PICADILLY fine sandy loam	350	Gray-Brown Podzolic	Calcareous fine sand and silt	Imperfectly drained
Psl	PICADILLY silt loam	550	Gray-Brown Podzolic	Calcareous fine sand and silt	Imperfectly drained
R.L.	ROCKLAND	129,700			
R.O.	ROCK OUTCROP	3,700			
Rfs	RUBICON fine sand	750	Podzol	Non-calcareous sand	Imperfectly drained
Rs	RUBICON sand	2,850	Podzol	Non-calcareous sand	Imperfectly drained
SBsl	SIBLEY'S BAY silt loam	8,950	Gray-Brown Podzolic	Calcareous silty clay loam	Well drained
SSfs	ST. SAMUEL fine sand	100	Gleysol	Non-calcareous sand	Poorly drained
SSs	ST. SAMUEL sandy loam	1,700	Gleysol	Non-calcareous sand	Poorly drained
SSs sh	ST. SAMUEL sandy loam — shallow phase	50	Gleysol	Non-calcareous sand	Poorly drained
Ts	TENNYSON sandy loam	12,050	Gray-Brown Podzolic	Calcareous stony sandy loam till over limestone bedrock	Well drained
Ts sh	TENNYSON sandy loam — shallow phase	4,000	Gray-Brown Podzolic	Calcareous stony sandy loam till over limestone bedrock	Well drained
UFs	UPLANDS fine sandy loam	4,900	Podzol	Non-calcareous sand	Well drained
Us	UPLANDS sand	4,100	Podzol	Non-calcareous sand	Well drained
Us sh	UPLANDS sand — shallow phase	550	Podzol	Non-calcareous sand	Well drained
WLs	WHITE LAKE gravelly sandy loam	1,650	Podzol	Calcareous sand and gravel	Well drained
WLs sh	WHITE LAKE gravelly sandy loam — shallow phase	100	Podzol	Calcareous sand and gravel	Well drained

SOIL COMPLEXES

MAP SYMBOL		ACREAGE	MAP SYMBOL		ACREAGE
Gc-Ma	GANANOQUE clay — MARSH	700	Ts/R	TWEED sandy loam — ROCK	8,700
Gc-Ne	GANANOQUE clay — NAPANEE clay	900	UFs/R	UPLANDS fine sandy loam — ROCK	1,100
MoI/R	MONTREAGLE sandy loam — ROCK	28,100	Us/R	UPLANDS sand — ROCK	450
Ne-Ma	NAPANEE clay — MARSH	950	WLs/R	WHITE LAKE gravelly sand loam — ROCK	350
Rs-Sd	RUBICON sand — ST. SAMUEL sandy loam	250			

Soil Survey by the Department of Soil Science, Ontario Agricultural College, Guelph, and the Research Branch, Canada Department of Agriculture, Ottawa.

Compiled, drawn and published by the Cartography Section, Soil Research Institute, Research Branch, Canada Department of Agriculture, Ottawa, 1969. Printed by the Survey and Mapping Branch, Department of Energy, Mines and Resources.

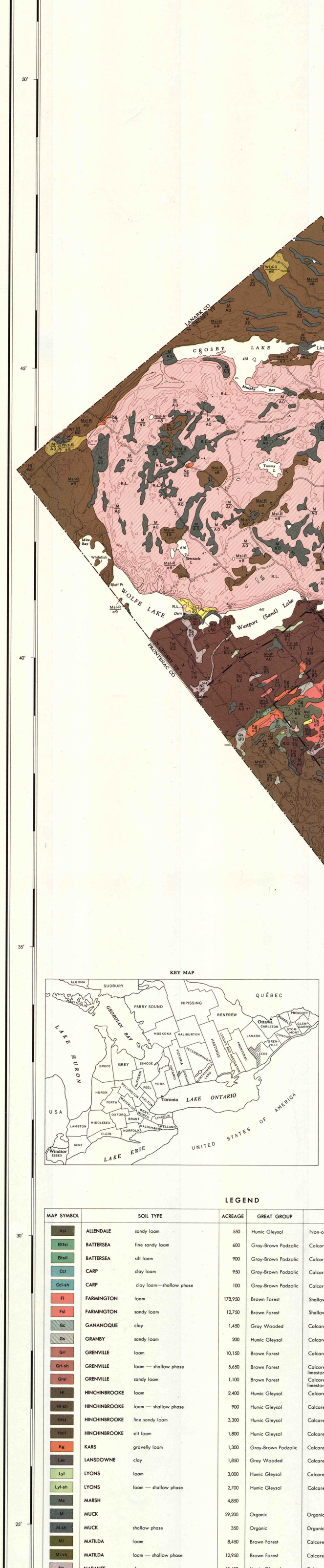
SOIL MAP
OF
LEEDS COUNTY
ONTARIO
WEST SHEET

SOIL SURVEY REPORT NO. 41

Scale 1 inch to 1 mile or 1:63,360

Miles 1 ½ 0 1 2 3 4 Miles

Contour Interval 50 Feet
All Elevations in Feet above Mean Sea Level



LEGEND

MAP SYMBOL	SOIL TYPE		ACREAGE	GREAT GROUP	SOIL MATERIALS	SOIL DRAINAGE CLASSES
Asl	ALLENDALE	sandy loam	550	Humic Gleysol	Non-calcareous sand	Poorly drained
Btfsl	BATTERSEA	fine sandy loam	600	Gray-Brown Podzolic	Calcareous silty clay loam	Imperfectly drained
Btsil	BATTERSEA	silt loam	900	Gray-Brown Podzolic	Calcareous silty clay loam	Imperfectly drained
Ccl	CARP	clay loam	950	Gray-Brown Podzolic	Calcareous clay loam	Imperfectly drained
Ccl-sh	CARP	clay loam—shallow phase	100	Gray-Brown Podzolic	Calcareous clay loam	Imperfectly drained
Fl	FARMINGTON	loam	173,950	Brown Forest	Shallow till over limestone bedrock	Well drained
Fsl	FARMINGTON	sandy loam	12,750	Brown Forest	Shallow till over limestone bedrock	Well drained
Gc	GANANOQUE	clay	1,450	Gray Wooded	Calcareous clay	Well drained
Gs	GRANBY	sandy loam	200	Humic Gleysol	Calcareous sand	Poorly drained
Grl	GRENVILLE	loam	10,150	Brown Forest	Calcareous stony loam till	Well drained
Grl-sh	GRENVILLE	loam — shallow phase	5,650	Brown Forest	Calcareous stony loam till over limestone bedrock	Well drained
Grsl	GRENVILLE	sandy loam	1,100	Brown Forest	Calcareous stony loam till over limestone bedrock	Well drained
Hl	HINCHINBROOKE	loam	2,400	Humic Gleysol	Calcareous fine sand and silt	Poorly drained
Hl-sh	HINCHINBROOKE	loam — shallow phase	900	Humic Gleysol	Calcareous fine sand and silt	Poorly drained
Hfsl	HINCHINBROOKE	fine sandy loam	3,300	Humic Gleysol	Calcareous fine sand and silt	Poorly drained
Hsil	HINCHINBROOKE	silt loam	1,800	Humic Gleysol	Calcareous fine sand and silt	Poorly drained
Kg	KARS	gravelly loam	1,300	Gray-Brown Podzolic	Calcareous outwash sand and gravel	Well drained
Lac	LANSDOWNE	clay	1,850	Gray Wooded	Calcareous clay	Imperfectly drained
Lyl	LYONS	loam	3,000	Humic Gleysol	Calcareous stony loam till	Poorly drained
Lyl-sh	LYONS	loam — shallow phase	2,700	Humic Gleysol	Calcareous stony loam till	Poorly drained
Ma	MARSH		4,850			Very poorly drained
M	MUCK		29,200	Organic	Organic	Very poorly drained
M-sh	MUCK	shallow phase	350	Organic	Organic	Very poorly drained
Ml	MATILDA	loam	8,450	Brown Forest	Calcareous stony loam till	Imperfectly drained
Ml-sh	MATILDA	loam — shallow phase	12,950	Brown Forest	Calcareous stony loam till	Imperfectly drained
Nc	NAPANEE	clay	55,400	Humic Gleysol	Calcareous clay	Poorly drained
Nc-sh	NAPANEE	clay — shallow phase	300	Humic Gleysol	Calcareous clay	Poorly drained
NGcl	NORTH GOWER	clay loam	10,600	Humic Gleysol	Calcareous clay	Poorly drained
NGcl-sh	NORTH GOWER	clay loam — shallow phase	100	Humic Gleysol	Calcareous clay	Poorly drained
P	PEAT		11,550	Organic	Organic	Very poorly drained
Pl	PICADILLY	loam	200	Gray-Brown Podzolic	Calcareous fine sand and silt	Imperfectly drained
Pfsl	PICADILLY	fine sandy loam	350	Gray-Brown Podzolic	Calcareous fine sand and silt	Imperfectly drained
Psil	PICADILLY	silt loam	500	Gray-Brown Podzolic	Calcareous fine sand and silt	Imperfectly drained
R.L.	ROCKLAND		129,700			
R.O.	ROCK OUTCROP		2,700			
Rfs	RUBICON	fine sand	700	Podzol	Non-calcareous sand	Imperfectly drained
Rs	RUBICON	sand	2,850	Podzol	Non-calcareous sand	Imperfectly drained
SBsil	SEELEY'S BAY	silt loam	8,950	Gray-Brown Podzolic	Calcareous silty clay loam	Well drained
Sfs	ST. SAMUEL	fine sand	100	Gleysol	Non-calcareous sand	Poorly drained
Ssl	ST. SAMUEL	sandy loam	1,700	Gleysol	Non-calcareous sand	Poorly drained
Ssl-sh	ST. SAMUEL	sandy loam — shallow phase	50	Gleysol	Non-calcareous sand	Poorly drained
Tsl	TENNYSON	sandy loam	12,050	Gray-Brown Podzolic	Calcareous stony sandy loam till over limestone bedrock	Well drained
Tsl-sh	TENNYSON	sandy loam — shallow phase	4,000	Gray-Brown Podzolic	Calcareous stony sandy loam till over limestone bedrock	Well drained
Ufs	UPLANDS	fine sandy loam	4,900	Podzol	Non-calcareous sand	Well drained
Us	UPLANDS	sand	4,100	Podzol	Non-calcareous sand	Well drained
Us-sh	UPLANDS	sand — shallow phase	550	Podzol	Non calcareous sand	Well drained
WLs	WHITE LAKE	gravelly sand loam	1,650	Podzol	Calcareous sand and gravel	Well drained
WLs-sh	WHITE LAKE	gravelly sandy loam — shallow phase	100	Podzol	Calcareous sand and gravel	Well drained

SOIL COMPLEXES

MAP SYMBOL		ACREAGE	MAP SYMBOL		ACREAGE
Gc-Ma	GANANOQUE clay — MARSH	700	Tws-R	TWEED sandy loam — ROCK	8,700
Gc-NC	GANANOQUE clay — NAPANEE clay	900	Ufs-R	UPLANDS fine sandy loam — ROCK	1,100
Msl-R	MONTEAGLE sandy loam — ROCK	28,100	Us-R	UPLANDS sand — ROCK	450
Nc-Ma	NAPANEE clay — MARSH	950	WLs-R	WHITE LAKE gravelly sand loam — ROCK	350
Rs-Ssl	RUBICON sand — ST. SAMUEL sandy loam	250			

REFERENCE

Roads:
- main highway 401
- secondary
- other roads
- cart track, trail

Railways:
- multiple track
- single track

Horizontal control point ..... △
Bench mark ..... BM 504 →
Spot elevation ..... 287.
Cemetery ..... (C)

Boundaries:
- International
- Provincial
- County
- Township
- Indian reserve
- Power transmission line
- Intermittent or indefinite stream

Contours:
- elevation 200 250
- depression 250 200
- Cliff

TOPOGRAPHIC CLASSES

SIMPLE TOPOGRAPHY Single slopes (Regular surface)	COMPLEX TOPOGRAPHY Multiple slopes (Irregular surface)	SLOPE Percent
A — Depressional to level	a	0 — 0.5
B — Very gently sloping	b	0.5 — 2.0
C — Gently sloping	c	2 — 5
D — Moderately sloping	d	6 — 9
E — Strongly sloping	e	10 — 15
F — Steeply sloping	f	16 — 30
G — Very steeply sloping	g	31 — 60
H — Extremely sloping	h	over 60

STONINESS CLASSES	ROCKY CLASSES
0 — Stonefree	5 — Rockfree
1 — Slightly stony	6 — Slightly rocky
2 — Moderately stony	7 — Moderately rocky
3 — Very stony	8 — Very rocky
4 — Exceedingly stony	9 — Exceedingly rocky

CONVENTION

Example: Grl / AO — Soil type / Topography — Stoniness

Soil Survey by the Department of Soil Science, Ontario Agricultural College, Guelph, and the Research Branch, Canada Department of Agriculture, Ottawa.

Compiled, drawn and published by the Cartography Section, Soil Research Institute, Research Branch, Canada Department of Agriculture, Ottawa, 1968. Printed by the Survey and Mapping Branch, Department of Energy, Mines and Resources.