

SOIL MAP OF FRONTENAC COUNTY ONTARIO

NORTH SHEET

SOIL SURVEY REPORT No. 39

Scale 1 inch to 1 mile or 1:63360



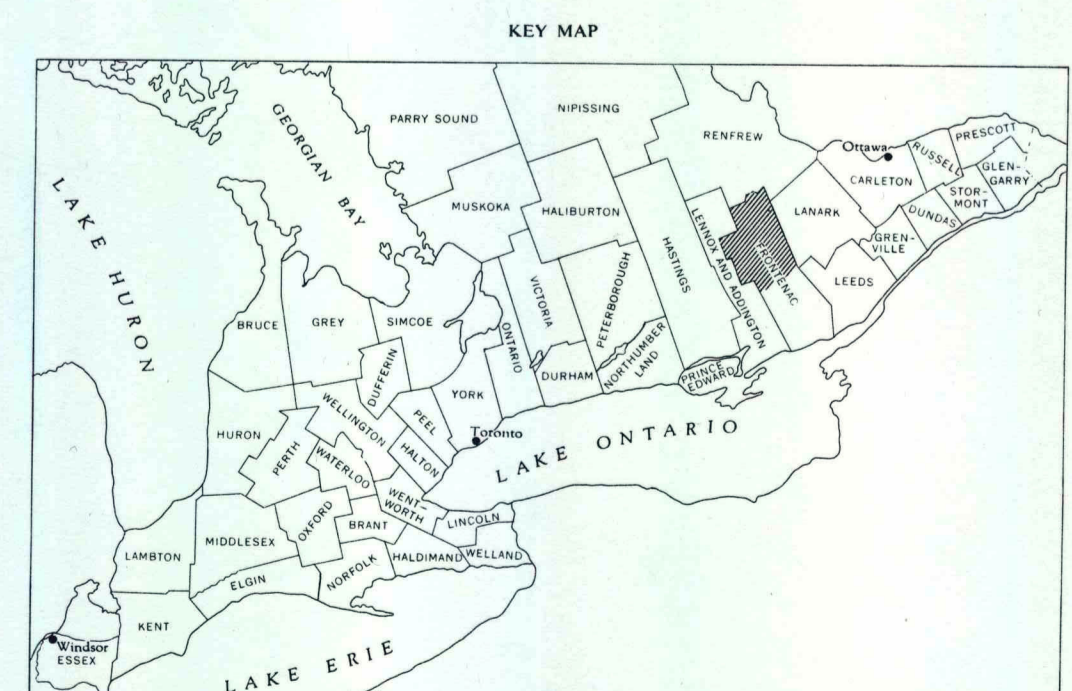
Contour Interval 20 Feet
All Elevations in Feet above Mean Sea Level

SYMBOL	SOIL TYPE	ACREAGE	GREAT GROUP	FABRIK MATERIALS	SOIL MOISTURE CLASS
SB	BATHURST silt loam	5,930	Gray-Brown Podzolic	Calcareous lacustrine silt and silty clay loam	Imperfectly drained
SBH	BATHURST heavy loam	430	Gray-Brown Podzolic	Calcareous outwash sand over lacustrine clay	Imperfectly drained
SBK	BATHURST loam	4,410	Gray-Brown Podzolic	Calcareous stony loam fill	Well drained
SBM	BATHURST loam - shallow phase	19,800	Gray-Brown Podzolic	Calcareous stony loam fill	Well drained
SBP	BATHURST sandy loam	5,700	Gray-Brown Podzolic	Calcareous stony loam fill	Well drained
SBPM	BATHURST sandy loam - shallow phase	6,400	Gray-Brown Podzolic	Calcareous stony loam fill	Well drained
SBP	BATHURST loam - shallow phase	80	Brown Forest	Calcareous stony loam fill	Well drained
EA	EASTPORT sand	100	Regosol	Beach sand	Well to poorly drained
FA	FABINGTON loam	54,900	Brown Forest	Calcareous stony loam fill	Well drained
GA	GANANHOQUE clay	3,400	Gray Wooded	Calcareous lacustrine clay	Well drained
GAH	GANANHOQUE clay - shallow phase	10,200	Gray Wooded	Calcareous lacustrine clay	Well drained
GAH	GANANHOQUE clay - rocky phase	400	Gray Wooded	Calcareous lacustrine clay	Well drained
GAH	GANANHOQUE loam	6,000	Gray-Brown Podzolic	Calcareous stony loam fill	Imperfectly drained
GAH	GANANHOQUE loam - shallow phase	7,200	Gray-Brown Podzolic	Calcareous stony loam fill	Imperfectly drained
GAH	GANANHOQUE loam	400	Hemic Clayey	Calcareous lacustrine fine sand and silt	Poorly drained
GAH	GANANHOQUE loam - rocky phase	2,800	Hemic Clayey	Calcareous lacustrine fine sand and silt	Poorly drained
GAH	GANANHOQUE silt loam	5,900	Hemic Clayey	Calcareous lacustrine fine sand and silt	Poorly drained
GAH	GANANHOQUE silt loam - rocky phase	800	Hemic Clayey	Calcareous lacustrine fine sand and silt	Poorly drained
GAH	GANANHOQUE clay	48,000	Gray Wooded	Calcareous lacustrine clay	Imperfectly drained
GAH	GANANHOQUE clay - shallow phase	1,600	Gray Wooded	Calcareous lacustrine clay	Imperfectly drained
GAH	GANANHOQUE clay - rocky phase	1,000	Gray Wooded	Calcareous lacustrine clay	Imperfectly drained
LA	LANDSAY clay loam	1,100	Hemic Clayey	lacustrine clay over calcareous stony loam fill	Poorly drained
LA	LANDSAY clay loam	1,400	Hemic Clayey	lacustrine clay over calcareous stony loam fill	Poorly drained
LA	LANDSAY loam	1,100	Hemic Clayey	Calcareous stony loam fill	Poorly drained
LA	LANDSAY loam - shallow phase	1,100	Hemic Clayey	Calcareous stony loam fill	Poorly drained
LA	LANDSAY loam - rocky phase	500	Hemic Clayey	Calcareous stony loam fill	Poorly drained
LA	LANDSAY sandy loam	700	Podzol	Non-calcareous sandy loam fill	Well drained
LA	LANDSAY clay	1,300	Hemic Clayey	Calcareous lacustrine silty clay loam and clay	Poorly drained
LA	LANDSAY clay - shallow phase	100	Hemic Clayey	Calcareous lacustrine silty clay loam and clay	Poorly drained
LA	LANDSAY silt loam	30,300	Organic	Black decomposed woody plant material	Very poorly drained
LA	LANDSAY clay	26,100	Hemic Clayey	Calcareous lacustrine clay	Poorly drained
LA	LANDSAY clay - shallow phase	400	Hemic Clayey	Calcareous lacustrine clay	Poorly drained
LA	LANDSAY clay - rocky phase	700	Hemic Clayey	Calcareous lacustrine clay	Poorly drained
LA	LANDSAY fine sandy loam	4,000	Gray-Brown Podzolic	Calcareous fine sand and silt	Well drained
LA	LANDSAY silt loam	100	Gray-Brown Podzolic	Calcareous fine sand and silt	Well drained
LA	LANDSAY loam - shallow phase	100	Brown Forest	Calcareous stony loam fill	Well drained
LA	LANDSAY clay	9,900	Organic	Brown undecomposed moss and sedge	Very poorly drained
LA	LANDSAY fine sandy loam	400	Gray-Brown Podzolic	Calcareous lacustrine fine sand and silt	Imperfectly drained
LA	LANDSAY silt loam	1,000	Gray-Brown Podzolic	Calcareous lacustrine silty clay loam	Well drained
LA	LANDSAY silt loam - rocky phase	1,000	Gray-Brown Podzolic	Calcareous lacustrine silty clay loam	Well drained
LA	LANDSAY gravelly sandy loam - rocky phase	1,800	Podzol	Non-calcareous outwash gravel	Well to poorly drained
LA	LANDSAY gravelly sandy loam	1,800	Podzol	Non-calcareous outwash gravel	Well to poorly drained
LA	LANDSAY sandy loam	1,100	Gray-Brown Podzolic	Calcareous stony loam fill	Well drained
LA	LANDSAY sandy loam	200	Brown Forest	Calcareous stony loam fill	Well drained
LA	LANDSAY sandy loam	800	Hemic Clayey	Outwash sand over lacustrine clay	Poorly drained
LA	LANDSAY loamy sand	2,500	Podzol	Outwash sand and fine gravel	Well to poorly drained
LA	LANDSAY loamy sand - rocky phase	15,400	Podzol	Outwash sand and fine gravel	Well to poorly drained
LA	LANDSAY gravelly sandy loam	15,100	Gray-Brown Podzolic	Calcareous outwash gravel	Well to poorly drained
LA	LANDSAY gravelly sandy loam - rocky phase	2,300	Gray-Brown Podzolic	Calcareous outwash gravel	Well to poorly drained

SOIL COMPLEXES		
MAP SYMBOL	DESCRIPTION	ACREAGE
SB-GA	GANANHOQUE clay - NAPANE clay	2,650
SBH-LA	MONTEAGUE sandy loam - ROCK	303,400
SBK-LA	CITONABEE loam - MOSCOW clay	750
SBM-LA	TWIBED sandy loam - ROCK	296,000

MISCELLANEOUS MAPPING UNITS		
MAP SYMBOL	DESCRIPTION	ACREAGE
MA	MARSH	8,200
RO	ROCKLAND - Rock Outcrop, shallow	88,300
RO	ROCKLAND - Rock Outcrop, steep	4,150
RO	ROCK OUTCROP - MARSH	10,800

REFERENCE	
—	Building
—	School
—	Church
—	Post office
—	Mill or open cut
—	Cemetery
—	Beachfront
—	Spot height in feet
—	Transposition Station
—	Contour elevation
—	Depression

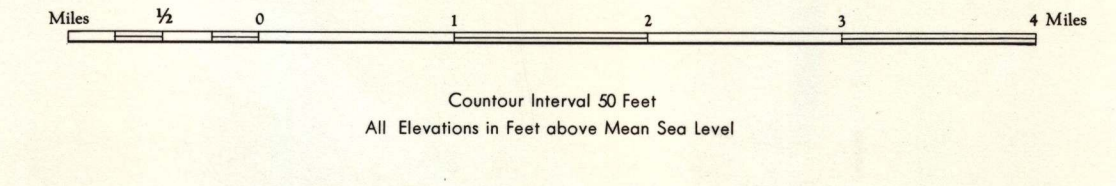


SOIL MAP OF FRONTENAC COUNTY ONTARIO

SOUTH SHEET

SOIL SURVEY REPORT No. 39

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

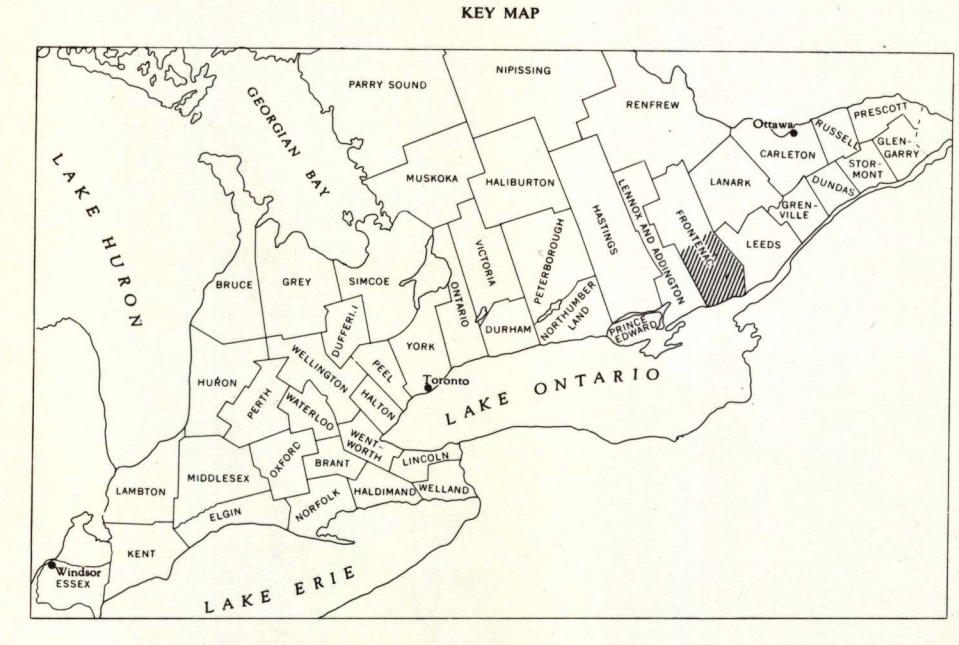


Contours Interval 40 Feet
All Elevations in Feet above Mean Sea Level

SYMBOLS		REFERENCES	
—	Road, main highway	—	Building
—	secondary	—	School
—	other roads	—	Church
—	Railway	—	Post office
—	Canal	—	Mile or open ear
—	Embankment, dam, etc.	—	Cemetery
—	Bridge, culvert, or overpass	—	Station
—	Path or trail	—	Seed or gravel pit
—	Boundary, international	—	Transportation Station
—	city	—	Backwash
—	township	—	Spot height (in feet)
—	Contour interval	—	
—	depression	—	



MAP SYMBOL	SOIL TYPE	ACREAGE	GREAT GROUP	PARENT MATERIALS	SOIL CHARACTERISTICS
SB	SABRESA silt loam	5,950	Gray-Brown Podzolic	Calcareous loessite silt and silty clay loam	Imperfectly drained
SB	SBIBEN sandy loam	400	Gray-Brown Podzolic	Calcareous outwash sand over lacustrine clay	Imperfectly drained
SB	SBONHEAD loam	4,450	Gray-Brown Podzolic	Calcareous stony loam 1E	Well drained
SB	SBONHEAD loam - shallow phase	18,800	Gray-Brown Podzolic	Calcareous stony loam 1E	Well drained
SB	SBONHEAD sandy loam	5,700	Gray-Brown Podzolic	Calcareous stony loam 1E	Well drained
SB	SBONHEAD sandy loam - shallow phase	4,400	Gray-Brown Podzolic	Calcareous stony loam 1E	Well drained
SB	SDUNER loam - shallow phase	90	Brown Forest	Calcareous stony loam 1E	Well drained
SB	SBASPORT sand	100	Rapids	Beach sand	Well to rapidly drained
SB	SFABINGDON loam	54,900	Brown Forest	Calcareous stony loam 1E	Well drained
SB	SFANANDUE clay	3,400	Gray Wooded	Calcareous lacustrine clay	Well drained
SB	SFANANDUE clay - shallow phase	10,300	Gray Wooded	Calcareous lacustrine clay	Well drained
SB	SFANANDUE clay - rocky phase	400	Gray Wooded	Calcareous lacustrine clay	Well drained
SB	SFUBIN loam - shallow phase	4,000	Gray-Brown Podzolic	Calcareous stony loam 1E	Imperfectly drained
SB	SFUBIN loam - shallow phase	7,000	Gray-Brown Podzolic	Calcareous stony loam 1E	Imperfectly drained
SB	SFUBIN loam	400	Hemic Gleyed	Calcareous lacustrine fine sand and silt	Poorly drained
SB	SFUBIN loam - rocky phase	5,800	Hemic Gleyed	Calcareous lacustrine fine sand and silt	Poorly drained
SB	SFUBIN loam	2,300	Hemic Gleyed	Calcareous lacustrine fine sand and silt	Poorly drained
SB	SFUBIN loam - rocky phase	800	Hemic Gleyed	Calcareous lacustrine fine sand and silt	Poorly drained
SB	SFUBIN loam	46,800	Gray Wooded	Calcareous lacustrine clay	Imperfectly drained
SB	SFUBIN loam - shallow phase	1,400	Gray Wooded	Calcareous lacustrine clay	Imperfectly drained
SB	SFUBIN loam	1,000	Gray Wooded	Calcareous lacustrine clay	Imperfectly drained
SB	SFUBIN loam	1,100	Hemic Gleyed	lacustrine clay over calcareous stony loam 1E	Poorly drained
SB	SFUBIN loam	1,400	Hemic Gleyed	lacustrine clay over calcareous stony loam 1E	Poorly drained
SB	SFUBIN loam	1,100	Hemic Gleyed	Calcareous stony loam 1E	Poorly drained
SB	SFUBIN loam - shallow phase	1,100	Hemic Gleyed	Calcareous stony loam 1E	Poorly drained
SB	SFUBIN loam - rocky phase	500	Hemic Gleyed	Calcareous stony loam 1E	Poorly drained
SB	SFUBIN loam	700	Rapids	Non-calcareous sandy loam 1E	Well drained
SB	SFUBIN loam	1,300	Hemic Gleyed	Calcareous lacustrine silty clay loam and silt	Poorly drained
SB	SFUBIN loam - shallow phase	100	Hemic Gleyed	Calcareous lacustrine silty clay loam and silt	Poorly drained
SB	SFUBIN loam	36,300	Organic	Black decomposed woody plant material	Very poorly drained
SB	SFUBIN loam	28,100	Hemic Gleyed	Calcareous lacustrine clay	Very poorly drained
SB	SFUBIN loam - shallow phase	400	Hemic Gleyed	Calcareous lacustrine clay	Poorly drained
SB	SFUBIN loam - rocky phase	700	Hemic Gleyed	Calcareous lacustrine clay	Poorly drained
SB	SFUBIN loam	4,400	Gray-Brown Podzolic	Calcareous fine sand and silt	Well drained
SB	SFUBIN loam	400	Gray-Brown Podzolic	Calcareous fine sand and silt	Well drained
SB	SFUBIN loam - shallow phase	180	Brown Forest	Calcareous stony loam 1E	Well drained
SB	SFUBIN loam	9,900	Organic	Brown undecomposed moss and sedge	Very poorly drained
SB	SFUBIN loam	400	Gray-Brown Podzolic	Calcareous lacustrine fine sand and silt	Imperfectly drained
SB	SFUBIN loam	1,000	Gray-Brown Podzolic	Calcareous lacustrine silty clay	Well drained
SB	SFUBIN loam - rocky phase	1,000	Gray-Brown Podzolic	Calcareous lacustrine silty clay	Well drained
SB	SFUBIN loam	1,800	Rapids	Non-calcareous outwash gravel	Well to rapidly drained
SB	SFUBIN loam - rocky phase	1,800	Rapids	Non-calcareous outwash gravel	Well to rapidly drained
SB	SFUBIN loam	1,100	Gray-Brown Podzolic	Calcareous stony loam 1E	Well drained
SB	SFUBIN loam	300	Brown Forest	Calcareous stony loam 1E	Well drained
SB	SFUBIN loam	300	Hemic Gleyed	Outwash sand over lacustrine silt	Poorly drained
SB	SFUBIN loam	2,800	Rapids	Outwash sand and fine gravel	Well to rapidly drained
SB	SFUBIN loam - rocky phase	10,600	Rapids	Outwash sand and fine gravel	Well to rapidly drained
SB	SFUBIN loam	10,100	Gray-Brown Podzolic	Calcareous outwash gravel	Well to rapidly drained
SB	SFUBIN loam - rocky phase	2,300	Gray-Brown Podzolic	Calcareous outwash gravel	Well to rapidly drained



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

Consulted, drawn and published by the Soil Research Institute, Research Branch, Canada Department of Agriculture, Ottawa, 1952. Some base data supplied by the Department of Mines and Technical Surveys, Ottawa. Printed by the Survey and Mapping Branch, Department of Mines and Technical Surveys.