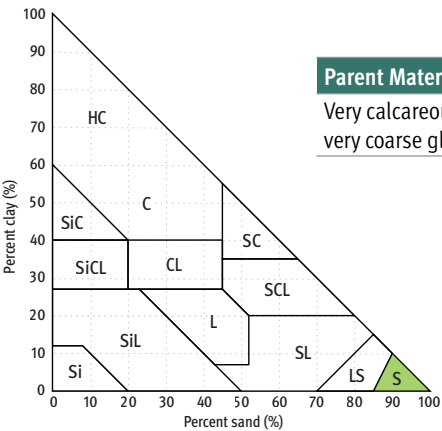


Pontypool (PYO)

BRUNISOLIC GRAY BROWN LUVISOL
Taxonomic Subgroup Classification

Ontario Soil Series
DESCRIPTION AND INTERPRETATION



Parent Material

Very calcareous,
very coarse glaciofluvial

Soil Properties

Drainage	Permeability	Available Moisture	Runoff
Very Rapid	Very Slow	Very Low	Very Fast
Rapid	Slow	Low	Fast
Well	Moderate	Moderate	Moderate
Moderately Well	Rapid	High	Slow
Imperfect	Very Rapid	Very High	Very Slow
Poor	—	—	—
Very Poor	—	—	—

Soil Profile



cm	Native Profile	Cultivated Profile
0	Ah	
	Ae	
10		Ap
20	Bm	
30		Bm
40		
50		
60	Bt	Bt
70		
80	Ck	Ck
90		
100		

Management Challenges

Land Development Requirements		
Stone Removal		Low
Surface Drainage		Low
Tile Drainage		Low
Soil Fertility		High
Irrigation		High

Tile Drainage Risks		
Bank Erosion		Moderate
Unearthing of Coarse Fragments		Low
Physical Clogging with Sediment		Moderate
Iron Clogging		Moderate

Land Management Risks		
Compaction		Low
Loss of Organic Matter		High
Acidification		High
Water Erosion Potential		Moderate
Wind Erosion Potential		High
Tillage Erosion Potential		High

Example Landscape



CANADA LAND INVENTORY
RATING FOR AGRICULTURE

4

Find more information on
CLI and soil capability ratings
at [Soil Capability for Agriculture
in Ontario](#).



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Physical Analyses

Soil Layers	Horizon	Texture Class ¹	Coarse Fragments by Volume (%)	Sand Fractions (%)					Sand (%)	Silt (%)	Clay (%)	Bulk Density (g/cm ³)
				Very Coarse	Coarse	Medium	Fine	Very Fine				
Surface	Ap	LS	2	1	8	25	36	16	85	9	6	1.30
Subsurface	Bm	LS	1	1	17	31	27	10	86	9	5	1.29
Parent Material	Ck	CS	0	4	29	46	13	2	93	3	4	N/A

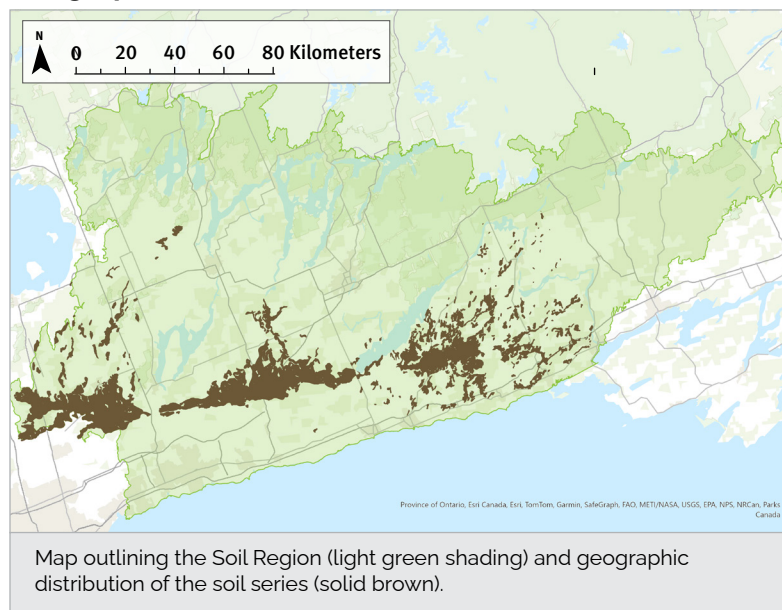
¹ Texture Class: LS = Loamy Sand, CS = Coarse Sand

Chemical Analyses

Soil Layers	Horizon	Horizon Thickness (cm)	pH (H ₂ O)	SOM (%)	CEC (meq/100 g)	Base Saturation (%)	CaCO ₃ (%)
Surface	Ap	28	5.9	1.5	3.04	73	0.2
Subsurface	Bm	32	7.4	0.6	2.71	97	0.6
Parent Material	Ck	60	8.1	0.1	0.96	100	37.8

Legend: SOM = Soil Organic Matter; CEC = Cation Exchange Capacity; CaCO₃ = Calcium Carbonate

Geographic Distribution



This factsheet is intended for informational purposes only. Producers are advised to consult their own certified crop advisor or other production specialist.

For more information on the soil profile series, refer to the [Ontario Soils GeoHub](#).



Soil Correlation

Soil Family	Pontypool
Similar Series (province wide)	Brighton, Caledon, Fox, Kintyre, Plainfield, Shedden, Tioga
Soil Region	Peterborough
Catena Members (Drainage)	Pontypool (R)
Areal Extent	111,835 ha (276,350 acres)

Agricultural Production

Pontypool soils are marginal agricultural soils in Ontario. They are rapidly drained and have low natural fertility due to the sandy materials on which they have developed. Based on crop information from 2021 to 2024, areas mapped as Pontypool soils were predominantly in native vegetation (55%), pasture and/or forage (19%), corn (7%), and soybeans (6%).