

Legend

Land System	Land System Description	Major Soils	Minor Soils	Acidification Sensitivity
Battle River Valley 05.00.09 ^z	Valley bottom with some confined floodplain. Regosols developed on undifferentiated material. Minor soils include coarse textured soils. Significant eroded soils present.	Miscellaneous Eroded	Milk River-AA (Cumulic Regosol)	Low - 51% Cultivated - 20% Wetland - 25% Other - 4%
Big Hay Plain 05.3d.26	Undulating landscape with some level - closed basin. Black Chernozems and Black Solonetz developed on medium textured till and fine textured water-laid	Angus Ridge (Eluviated Black Chernozem) Wetaskiwin	Malmo (Eluviated Black Chernozem) Gleysols/Water	Low - 42% Cultivated - 54% Wetland - 3
Bigstone Plain 05.3d.30	sediments. Minor soils include Gleysols. Undulating landscape with some duned. Black Chernozems developed on coarse textured sediments and medium textured material over medium textured till. Minor soils include Gleysols.	(Black Solodized Solonetz) Peace Hills (Orthic Black Chernozem) Hobbema (Eluviated Black Chernozem)	Ponoka (Eluviated Black Chernozem) GleysolsWater	Other - 1% Low - 20% Cultivated - 80%
Calmar Plain 05.3d.21	Undulating landscape. Black Chernozems developed on fine textured water-laid sediments.	Malmo (Eluviated Black Chernozem)	Ponoka (Eluviated Black Chernozem) Looma	Low - 9% Cultivated - 88% Other - 3%
Cawes Plain	Undulating landscape. Black Chernozems developed on medium textured till.	Angus Ridge (Eluviated Black Chernozem)	(Orthic Dark Gray Chernozem) Hobbema (Eluviated Black Chernozem)	Low - 16% Cultivated - 83%
05.3d.10 City of Edmonton 05.3d.14	City of Edmonton.	Disturbed Lands	Rolly View (Orthic Dark Gray Chernozem)	Other - 1% Low - 19% Cultivated - 27% Wetland - 2%
Eldorena Plain 06.2a.11	Undulating landscape with some duned. Black Chernozems and Brunisols developed on coarse textured sediments.	Peace Hills (Orthic Black Chernozem) Primula (Eluviated Eutric Brunisol)	Manatokan-AA (Terric Mesisol) Mundare (Orthic Black Chernozem)	Other - 52% Low - 39% Moderate - 25% Sensitive -17% Cultivated - 18
Falun Plain 06.1c.12	Undulating landscape. Dark Gray Luvisols and Dark Gray Chernozems developed on medium textured till. Minor soils include Organic.	Benalto (Dark Gray Luvisol) Falun	Breton (Orthic Gray Luvisol) Organics	Low - 41% Cultivated - 57% Wetland - 2%
Ferlow Plain	Hummocky landscape. Black Chernozems developed on medium textured till. Minor soils include Gleysols.	(Orthic Dark Gray Chernozem) Angus Ridge (Eluviated Black Chernozem)	Rolly View (Orthic Dark Gray Chernozem)	Low - 34% Cultivated - 65%
05.3d.27 George Lake Plain 06.1d.02	Hummocky landscape with some numerous water bodies. Gray Luvisols and Gray Solonetz developed on medium textured till. Minor soils include Gleysols.	Cooking Lake (Orthic Gray Luvisol) Dnister (Gray Solodized Solonetz)	Gleysols/Water Nakamun (Solonetzic Gray Luvisol) Gleysols/Water	Wetland - 1% Low - 64% Cultivated - 36%
Graminia Plain 05.3d.20	Undulating landscape with some duned. Dark Gray Luvisols developed on coarse textured sediments. Minor soils include Organic.	(Dark gray Luvisol) Tiger Lily (Orthic Gray Luvisol)	Organics	Low - 57% Cultivated - 42% Wetland - 1%
Halfway Lake Dunefield 06.2a.09	Undulating landscape. Brunisols and Dark Gray Chernozems developed on coarse textured sediments. Minor soils include Organic and Gleysols.	Primula (Eluviated Eutric Brunisol) Helliwell (Orthic Dark Gray Chernozem)	Organics Gleysols/Water	Low - 36% Moderate - 38% Sensitive -17% Cultivated - 9%
slet Upland 05.6.01	Hummocky landscape. Dark Gray and Dark Gray Luvisols developed on medium textured till. Minor soils include Gleysols, Chernozems and fine textured soils.	Cooking Lake (Orthic Gray Luvisol) Uncas (Dark Gray Luvisol)	Gleysols/Water Mico (Orthic Dark Gray Chernozem)	Low - 68% Cultivated - 21% Wetland - 11%
onghurst Plain 05.3d.19	Undulating landscape with some peatlands. Dark Gray Chernozems developed on medium textured water-laid sediments. Minor soils include Organic and coarse textured soils.	Winterburn (Orthic Dark Gray)	Redwater (Orthic Dark gray Chernozem) Organics	Low - 26% Cultivated - 71% Wetland - 1% Other - 2%
ooma Upland 05.3d.50	Hummocky landscape. Dark Gray Chernozems and Dark Gray Luvisols developed on medium textured till. Minor soils include Gleysols and fine textured soils.	Uncas (Dark Gray Luvisol)) Uncas (Dark Gray Luvisol)	Mico (Orthic Dark Gray Chernozem) Gleysols/Water	Low - 57% Cultivated - 42% Wetland - 1%
Mink Lake Plain 06.1d.20	Hummocky landscape. Gray Luvisols developed on medium textured water-laid sediments.	Glory (Orthic Gray Luvisol) Highvale (Orthic Gray Luvisol)	Carvel (Dark Gray Luvisol) Keephills (Dark Gray Luvisol)	Low - 53% Cultivated - 47%
Morinville Plain 05.3d.01	Undulating landscape. Black Solonetz developed on medium textured till and fine textured water-laid sediments. Minor soils include Chernozems and Gleysols.	Camrose (Black Solodized Solonetz) Duagh (Black Solonetz)	Angus Ridge (Eluviated Black Chernozem) Gleysols/Water	Low - 32% Cultivated - 67% Wetland - 1%
Namao Plain 05.3d.07	Undulating landscape. Black Chernozems developed on fine textured water-laid sediments and medium textured water-laid sediments.	Malmo (Eluviated Black Chernozem) Ponoka (Eluviated Black Chernozem)	Angus Ridge (Eluviated Black Chernozem) Mico (Orthic Dark Gray Chernozem)	Low - 27% Cultivated - 69% Wetland - 1% Other - 2%
North Saskatchewan River Valley	Landscape is inclined <10% exposed bedrock with some numerous water bodies and undulating.	Miscellaneous Eroded		Low - 54% Cultivated - 29% Wetland - 16% Other - 1%
06.00.03 Onoway Upland 06.1d.08	Hummocky landscape. Gray and Dark Gray Luvisols developed on medium textured till. Minor soils include Organic and Chernozems.	Cooking Lake (Orthic Gray Luvisol) Uncas (Dark Gray Luvisol)	Organics Miscellaneous Coarse Textured Soils	Low - 67% Cultivated - 30% Wetland - 3%
Pakan Plain 06.2b.17	Undulating landscape. Black Chernozems developed on medium textured water-laid sediments. Minor soils include Solonetz.	Ponoka (Eluviated Black Chernozem)	Hobbema (Eluviated Black Chernozem) Kavanagh (Black Solodized Solonetz)	Low - 69% Cultivated - 27% Other - 4%
Partridge Plain 05.3d.09	Undulating landscape. Black Chernozems developed on medium textured till. Minor soils include Gleysols.	Angus Ridge (Eluviated Black Chernozem)	Rolly View (Orthic Dark Gray Chernozem) GleysolsWater	Low - 28% Cultivated - 72%
Pemburton Hill Plain 06.1d.21	Undulating landscape. Dark Gray Luvisols developed on very fine textured water-laid sediments and areas of moderately fine textured till. Minor soils include Gleysols.	Macola (Dark Gray Luvisol)	Boscombe (Gleyed Dark Gray Luvisol) Gleysols/Water	Low - 72% Cultivated - 28%
Pigeon Lake 06.1b.03	Large water body.	N/A	N/A	Water - 100%
Pipestone Upland 05.3d.28	Undulating landscape with some duned. Black Chernozems developed on coarse textured sediments and medium textured water-laid sediments. Minor soils include Gleysols.	Peace Hills (Orthic Black Chernozem) Ponoka (Eluviated Black Chernozem)	Gleysols/Water	Low - 43% Cultivated - 55% Wetland - 1% Other - 1%
Pointe-aux-Pins Plain 05.3d.11	Undulating landscape. Black Chernozems developed on fine textured water-laid sediments.	Malmo (Eluviated Black Chernozem)	Angus Ridge (Eluviated Black Chernozem) Looma (Orthic Dark Gray Chernozem)	Low - 25% Cultivated - 72% Other - 3%
Redwater Plain 06.2a.05	Undulating landscape with some duned. Black Chernozems developed on coarse textured sediments. Minor soils include Brunisols.	Mundare (Orthic Black Chernozem)	Primula (Eluviated Eutric Brunisol) Peace Hills (Orthic Black Chernozem)	Low - 28% Moderate - 34% Sensitive - 7% Cultivated - 31%
Ryley Plain 05.4a.15	Undulating landscape. Black Solonetz developed on medium textured till. Minor soils include Chernozems and Gleysols.	Camrose (Black Solodized Solonetz)	Norma (Solonetzic Black Chernozem) Gleysols/Water	Low - 35% Cultivated - 36% Wetland - 29%
Samson Lake Plain 05.3d.31	Undulating landscape. Black Chernozems developed on fine textured water-laid sediments. Minor soils include Solonetz and Gleysols.	Malmo (Eluviated Black Chernozem)	Gleysols/Water Gleysols/Water	Low - 41% Cultivated - 58% Wetland - 1%
Spruce Grove Plain 05.3d.18	Undulating landscape with some peatlands. Dark Gray Chernozems developed on medium textured water-laid sediments. Minor soils include Organic and fine textured soils.	Winterburn (Orthic Dark Gray)	Organics Malmo (Eluviated Black Chernozem)	Low - 36% Cultivated - 53% Wetland - 7% Other - 4%
Thorhild Plain 06.2c.25	Undulating landscape. Dark Gray Luvisols and Dark Gray Chernozems developed on medium textured till. Minor soils include Gleysols.	Spedden (Orthic Dark Gray Chernozem) Kehiwin (Dark Gray Luvisol)	La Corey (Orthic Gray Luvisol) Gleysols/Water	Low - 46% Cultivated - 54%
Watelet Plain 05.3d.22	Undulating landscape. Black Chernozems and Black Solonetz developed on medium textured till and medium textured softrock.	Angus Ridge (Eluviated Black Chernozem) Kavanagh (Black Solodized Solonetz)	HBM Rolly View (Orthic Dark Gray Chernozem)	Low - 20% Cultivated - 76% Other - 4%
Yeoford Plain	Undulating landscape with some rolling and hummocky. Dark Gray and Gray Luvisols developed	Benalto (Dark Gray Luvisol)	Falun (Orthic Dark Gray Chernozem)	Low - 44% Cultivated - 56%

—— Major Road	Land Cover Type	
Railway	Grassland	
~~~ River	Shrubs	Sensitivity to Acid Inputs
Lakes	Trees	Low
Township	Cultivated Lands, Other Land	Low-Moderate-Sensitive Mi
Land System Boundary	Water Bodies	

Soil information from the AGRASID 3.0 database (Alberta Soil Information Centre 2007), and land cover information from the Prairie Farm Rehabilitation Administration.



