

Alberta Soil Names File

(Generation 3)

User's Handbook

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Preface

Welcome to the Alberta Soil Names File (Generation 3) User's Handbook.

The Alberta Soil Names File (Generation 3) is the result of input from many people over the past 20 years, and it reflects the need for both standardized soil type descriptions and the establishment of limits to the geographical distribution of each soil type name (soil name) within Alberta. The original digital soil names file was compiled during the compilation of SIDMAP (Soil Inventory Database for Management and Planning), in the early 1980's. This file listed and described in a cryptic way all of the soil names identified in the existing published soil survey reports. During the compilation of this file for SIDMAP some correlation of soil names occurred:

1. to eliminate duplication of soil names identifying similar soil types, and;
2. to provide the appropriate classification for soil names where the description of the soil characteristics had varied over time.

Resulting from the SIDMAP related activities it became apparent that soil names should be restricted to specific geographic regions of the province. The 1993 version of the Alberta Soil Names File (Generation 2) was the first attempt at allocating soil names to primarily a single Soil Correlation Area (SCA). Coincident with the development of the Soil Names File, a hard copy of the SCA map and relevant documentation describing the process and framework was compiled, culminating in the Alberta Soil Names File (Generation 2) User's Handbook (Alberta Soil Series Working Group, 1993).

The 1993 version of the Alberta Soils Name File (Generation 2) provided the basis for the compilation of the Agricultural Region of Alberta Soil Inventory Database (AGRASID). During the compilation of this digital soil landscape map and database, modifications that included changes to the placement/location of some SCA boundaries as well as changes to the soil names file, were identified. These changes have been incorporated into the Alberta Soil Names File (Generation 3).

Acknowledgements

The authors of the Alberta Soil Names File (Generation 3) User's Manual would like to acknowledge the authors and contributions to the previous version of this handbook as well as contributors and reviewers of this version.

The 1993 Generation 2 document and accompanying Soil Correlation Area (SCA) map was produced by the collaborative effort of representatives of various provincial government agencies and private sector consultants who together comprised the Alberta Soil Series Working Group. A major contributor (co-editor) of this original edition was Len Knapick of Pedocan Land Evaluation Ltd.

Since 1993, the Alberta Soil Names File and accompanying SCA map has been utilized extensively and undergone major modifications, particularly during the compilation of the Agricultural Region of Alberta Soil Inventory Database (AGRASID) and the Soil Landscapes of Canada (SLC) v3.0, Alberta map. Numerous people were directly and indirectly responsible for revisions to the SCA map and soil names file. Bruce Walker, formerly of Agriculture and Agri-Food Canada, now with Beauterre Consultants, Larry Nikiforuk of Soil-Info Ltd., Ron McNeil of LandWise Ltd., Larry Turchenek of AMEC Earth and Environmental, and Wayne Pettapiece, formerly of Agriculture and Agri-Food Canada, now with Pettapiece Pedology, were extensively involved in the development of this latest version of the soil names file and SCA map.

SOIL SURVEY REPORT USERS BEWARE!!

During the compilation of the Alberta Soils Names File (Generation 2 and 3) some soil name definitions were modified and the existing list of acceptable soil names was updated. Through this correlation process, some links to published soil maps and reports no longer exist. For example, a soil name created, used and described in a soil survey report in the Peace River region of the province may also have been used in the Edmonton Soil Survey Report. In this example, the soil type in the Edmonton area will have been assigned a soil name appropriate to the Edmonton area (either an already existing name for a similar soil type or a new soil name if necessary) because it occurs in a different SCA. Similar examples exist throughout the province. In most cases the link to the old name is present in the “notes” field of the Alberta Soil Names File (Generation 3).

TABLE OF CONTENTS

Preface.....	i
Acknowledgements.....	ii
Soil Survey Report User's Beware!.....	iii
Table of Contents.....	iv
List of Figures.....	v
List of Tables.....	v
History of the Soil Names File and Soil Correlation Area (SCA) Map.....	1
Introduction.....	1
Background to the Development of the Alberta Soil Names File (Generation 2).....	2
Guiding Principles for Applying the SCA Concept to the Alberta Soil Names File (Generation 2 and 3).....	3
The Alberta Soil Names File (Generation 3) and the 2002 Version of the SCA Map.....	4
SCA 1.....	11
SCA 2.....	17
SCA 3.....	20
SCA 4.....	24
SCA 5.....	28
SCA 6.....	31
SCA 7.....	34
SCA 8.....	37
SCA 9.....	40
SCA 10.....	43
SCA 12.....	50
SCA 13.....	53
SCA 14.....	58
SCA 15.....	62
SCA 16.....	66
SCA 17.....	69
SCA 18.....	75
SCA 19.....	82
SCA 20.....	84
SCA 21.....	88
SCA 22.....	90
SCA 23.....	95
SCA 24.....	97
Appendix A: Correlation of Soil Series on Parent Materials.....	99
Appendix B: Code Descriptions for Alberta Soils Names File (Generation 3).....	127

LIST OF FIGURES

Figure 1.	Soil Correlation Area (SCA) Map of Alberta.....	10
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LIST OF TABLES

Table 1.	Soil Correlation Area (SCA) Map of Alberta Legend.....	6
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History of the Soil Names File and Soil Correlation (SCA) Area Map

Introduction

The Canadian System of Soil Classification (Soil Classification Working Group 1998) has been used to describe the recognized soil types in Alberta. Soils are classified to the subgroup level and the parent material of each recognized soil type is described in terms of the origin of the material as well as its associated physical and chemical characteristics. The practice of assigning a geographic place name to each identified soil type has been used in Alberta for the past 50 years. By referring to a soil type name (soil name), characteristics such as order, great group, subgroup and parent material type and texture may be quickly inferred (once the user is familiar with the soil names and/or soil names codes). Additional characteristics that may be important for the development of various soil interpretations may also be linked to the soil name.

Prior to 1987, the distribution and areal extent of soil names within Alberta was not consistently applied or obvious to a user. In 1987 the Soil Series Working Group was established with the mandate to edit the existing Alberta Soil Names File with respect to the classification and definition of the existing soil names, and assign soil names to specific areas of the province. Fortunately at this time, an in-depth review of recognized agroclimatic and ecological zones within Alberta was underway. This review dove-tailed well with the Working Group's mandate to create a framework in which Alberta soil names could be geographically allocated within the province. As a result, all of the soil names used in the province could have a suite of ecological attributes assigned to them. This exercise culminated in March 1993 with the creation of the Alberta Soil Names File (Generation 2) and accompanying User's Handbook - including the allocation of all existing soil names to Soil Correlation Areas (SCA's).

As an example, the Beazer soil is represented in the soil names file by the 3-letter code "BZR". This soil name originated from the hamlet of Beazer, M.D. of Cardston, in southern Alberta. The Beazer soil is an Orthic Black Chernozem developed on medium textured till. Use of this soil name is restricted to SCA 5. From the definition of SCA 5, additional ecological and agroclimate characteristics associated with the Beazer soil can be estimated as can the extent of its geographical distribution in the province.

During the course of the Canada-Alberta Environmentally Sustainable Agriculture Soil Inventory Project (CAESA-SIP) of the 1990's, the Alberta Soil Names File (Generation 2) underwent

many modifications. Compilation of the Agricultural Region of Alberta Soil Inventory Database (AGRASID) resulted in the addition of approximately 450 soil names. This proliferation of soil names was due to:

1. the recognition of new soil types during the course of describing soil landscape polygons;
2. the necessary exercise of populating empty positions within suites of soils which were SCA specific;
3. the creation of variants of some soil names, and;
4. the creation of specific miscellaneous soils linked to groups of SCA's on the basis of surface soil colour.

The new file created as a result of these changes is the Alberta Soil Names File (Generation 3).

Background to the Development of the Alberta Soil Names File (Generation 2)

From its inception, the Alberta Soil Names File existed primarily as an alphabetical listing of existing soil names. Guidance on where in the province a soil name might be used was to be inferred from the cryptic notes and comments associated with each soil name in the file, or from delving into the appropriate soil survey reports. As a result of these unclear guidelines, the application of the soil naming convention across Alberta was not standardized, and the following inconsistencies became incorporated in published soil survey reports and maps:

1. Some soil names transcended agroclimatic/ecological area boundaries within Alberta. A single soil name occurring in more than one agroclimatic zone could, for example, have more than one capability class rating for a specific interpretation.
2. There were instances where one soil name described two or more different soil types, specifically in terms of their classification at the subgroup level. In other cases, two or more different soil names described the same soil type in the same area.

As a result of these and other inconsistencies identified in the soil names file, the Alberta Soil Inventory Subcommittee established the Soil Series Working Group in 1987 to undertake the development of a standardized soil names catalogue for use in a digital environment. Initial tasks included a brief survey of user needs, a Statement of Need and a list of Applications and

Uses. Funding was obtained under the National Soil Conservation Program via the Canada-Alberta Soil Conservation Initiative for the Soil Series Working Group related activities. Based upon the recommendations that were submitted, the Working Group identified as necessary products a map that defined the geographic limits of soil names within Alberta, as well as a correlated list of allowable soil names.

To develop these products, four objectives were identified for completion:

1. development of a Soil Correlation Area Map of Alberta;
2. development of the Soil Names File (Generation 2) for Alberta with each soil name restricted to a single SCA. This exercise required extensive correlation and definition of soil name concepts. Also new soil names had to be created to replace soil names that transcended two or more SCA boundaries;
3. creation of a Soil Correlator's Handbook archiving the concepts, methods and procedures used in creating soil names, and;
4. development of an Alberta Soil Names File (Generation 2) User's Handbook.

The result of this effort was the Alberta Soils Name File (Generation 2) User's Handbook (published in 1993) including portions of the soil names file and the SCA map.

Guiding Principles for Applying the SCA Concept to the Alberta Soil Names File (Generation 2 and 3)

During the compilation of the Soil Names File (Generation 2) a number of rules and/or guiding principles were established and systematically applied.

The province was subdivided into 24 SCA's based on the following rational:

1. climate affects soil properties; and,
2. many interpretative products developed by applying soil type information also incorporate climate information.

The Soil Correlation Area (SCA) Map of Alberta reflects the integration of inherent agroclimatic conditions that exist across Alberta with soil development, use and management practices.

To apply the SCA framework to the Alberta Soil Names File (Generation 2) the following assumptions and guidelines were used in the recognition of SCA's and subsequent allocation and correlation of soil names within each climatically similar area:

1. the historic use of one set of soil names for the Brown soils;
2. the historic use of three sets of soil names for the Dark Brown soils;
3. the historic use of three sets of soil names for the Thin Black, Thick Black soils, etc.;
4. the acceptance of the national and provincial ecological frameworks for stratification of climatic parameters and ecological interpretations for forestry and wildlife uses;
5. the acceptance by the agricultural soils community of agroclimate as a stratification of climate, and;
6. the historic use of bedrock geology, till type and material texture to determine soil names within similar climatic areas.

The SCA boundaries coincide to a large degree with recognized climate zones in Alberta. These boundaries also generally agree with accepted ecoregion boundaries. In the agricultural portion of Alberta, SCA's correlate strongly with soil zone lines with further subdivisions reflecting recognized agroclimate zones.

There are situations where an ecoregion has been divided into two or more SCA's. For example, the Moist Mixed Grassland ecoregion is subdivided into SCA 3 and 4. In this instance, historical precedence is established by existing published soil survey reports, overriding the ecological premise of these recognized areas. This situation is often justified on the basis of agroclimate, and/or thickness of the surface layer (e.g., Thin versus Thick Black).

The Alberta Soil Names File (Generation 3) and the 2002 Version of the SCA Map

As noted above, the Alberta Soils Names File (Generation 2) and accompanying SCA map underwent modifications during the compilation of AGRASID. These included the creation of additional soil names within specific SCA's and changes in the placement/location of some SCA boundaries.

Approximately 450 new soil names (sometimes identified as variants of established soil names) were added to the existing list of accepted soil names. These new soil names (and variants)

were required when a specific soil type that was mapped as being dominant (>60%) or codominant (>30% and <60%) within a number of soil landscape polygons, did not previously exist for that SCA. Implementing the SCA guidelines that had been established, unique soil names and soil name codes were identified for each SCA. In instances where the properties of a recently identified new soil type were very similar to those of an existing named soil type, the new soil type may have been described as a variant of the already existing named soil type.

The SCA map defines the geographic distribution of the soil names associated with each SCA. As part of the AGRASID compilation process, the boundaries of the each SCA were inherently linked to the 1:100K scale soil landscape polygons. Upon this closer interrogation of the SCA boundaries, minor modifications were made to the original 1993 SCA lines. In addition to these line changes, the decision was made to delete SCA 11 from the 1993 version of the SCA map. The distinction between SCA 10 and 11 was difficult to implement when mapping the distribution of soil names within these two areas. Originally SCA 10 was restricted to the Aspen Parkland ecoregion and SCA 11 to the Boreal Transition ecoregion. Also, SCA 10 had originally been defined as an area where Black Chernozemic soils commonly existed, while Dark Gray Chernozems and Dark Gray Luvisols were considered to be dominant in SCA 11. However, many exceptions to this general pattern of soils distribution within these two SCA's existed. So much so that during the compilation of AGRASID, the decision was made to join the two SCA's and make a unified list of the soil names identified in each of the two component SCA's. This decision to consider the area as a single SCA did not significantly change the agroclimatic characteristics and corresponding interpretations of the affected soil landscape polygons. Thus the 2002 version of the SCA map includes the area previously identified as SCA 11 within the larger SCA 10, and that all soil names in the Alberta Soil Names File (Generation 3) previously associated with SCA 11 are now associated with SCA 10.

Table 1. Soil Correlation Area (SCA) Map of Alberta Legend

SCA 1: Brown Soil Zone of South-Eastern Alberta

Ecoregion¹: Mixed Grassland
Agroclimate²: 3A

Subregion³: Dry Mixedgrass

SCA 2: Dark Brown Highlands of Southern Alberta

Ecoregion: Cypress Upland,
Mixed Grassland,
Moist Mixed Grassland
Agroclimate: 2AH, 2H

Subregion: Mixedgrass,
Montane

Additional Notes: Includes the Cypress Hills, Sweetgrass Hills and eastern portion of the Milk River Ridge

SCA 3: Dark Brown Soil Zone of South-Western Alberta

Ecoregion: Moist Mixed Grassland
Agroclimate: 2A

Subregion: Mixedgrass

SCA 4: Dark Brown Soil Zone of East-Central Alberta

Ecoregion: Moist Mixed Grassland,
Aspen Parkland,
Mixed Grassland
Agroclimate: 2AH

Subregion: Northern Fescue,
Central Parkland

SCA 5: Thin Black Soil Zone of South-Western Alberta

Ecoregion: Fescue Grassland
Agroclimate: 2AH, 3H

Subregion: Foothills Fescue

SCA 6: Thin Black Soil Zone of South-Central Alberta

Ecoregion: Fescue Grassland
Agroclimate: 2AH, (3H)

Subregion: Foothills Fescue

¹ As defined in the publication - A National Ecological Framework for Canada. 1995. Ecological Stratification Working Group. Agriculture and Agri-Food Canada, Research Branch, Centre for Land and Biological Resources research and Environment Canada, State of Environment Directorate, Ecozone Analysis Branch, Ottawa/Hull. Report and national map at 1:7 500 000 scale.

² As defined in the publication –Land Suitability Rating System for Agricultural Crops:1. Spring-seeded small grains. 1995. Agronomic Interpretations Working Group. Edited by W.W. Pettapiece. Tech. Bull. 1995-6E. Centre for Land and Biological Resources Research, Agriculture and Agri-Food Canada, Ottawa. 90 pages and 2 maps.

³ As defined in the publication - Natural Regions and Subregions of Alberta: Summary. 1994. Alberta Environmental Protection. Publication No.:l/531. Report and provincial map at 1:1 000 000 scale.

Table 1 (cont.)

SCA 7: Thin Black Soil Zone of East-Central Alberta

Ecoregion: Aspen Parkland
Agroclimate: 2H

Subregion: Central Parkland

SCA 8: Thick Black Soil Zone of South-Western Alberta

Ecoregion: Aspen Parkland,
Northern Continental
Divide,
Fescue Grassland
Agroclimate: 4H

Subregion: Foothills Parkland,
Montane,
Foothills Fescue

SCA 9: Thick Black Soil Zone of Southwest-Central Alberta

Ecoregion: Aspen Parkland
Agroclimate: 3H

Subregion: Central Parkland

SCA 10: Thick Black/Dark Gray-Gray Soil Zone of Central and East-Central Alberta

Ecoregion: Aspen Parkland,
Boreal Transition
Agroclimate: 2H, 3H

Subregion: Central Parkland,
Dry Mixedwood

Additional Notes: The amalgamation of SCA 10 and SCA 11 to SCA 10 is a significant change from the original SCA map that was included with the Alberta Soil Names File (Gen2) in 1993. Refer to the accompanying introductory material for a more detailed explanation of this modification.

SCA 12: Dark Gray-Gray Soil Zone of Northeast-Central Alberta

Ecoregion: Boreal Transition,
Mixed Boreal Upland,
Wabasca Lowland
Agroclimate: 3H

Subregion: Dry Mixedwood,
Central Mixedwood

SCA 13: The Lower Foothill Area of West-Central Alberta

Ecoregion: Western Alberta Upland
Agroclimate: 4H

Subregion: Lower Foothills

SCA 14: The Upper Foothill Area of West-Central Alberta

Ecoregion: Western Alberta Upland
Agroclimate: 5H

Subregion: Upper Foothills,
Subalpine

Table 1 (cont.)

SCA 15: The Montane, Subalpine and Alpine Areas of West-Central Alberta

Ecoregion: Eastern Continental Ranges
Agroclimate: 6H, 7H

Subregion: Montane, Subalpine, Alpine

SCA 16: The Montane and Subalpine Areas of South-Western Alberta

Ecoregion: Northern Continental Divide, Western Alberta Upland, Eastern Continental Ranges
Agroclimate: 6H, 7H

Subregion: Montane, Subalpine, Alpine

SCA 17: The Central Mixedwood and Lower Foothill Areas of North-Western Alberta

Ecoregion: Clear Hills Upland, Western Boreal, Western Alberta Upland
Agroclimate: 4H (5H)

Subregion: Central Mixedwood, Lower Foothills, Upper Foothills

SCA 18: Dark Gray and Black Soil Zone of the South Peace Area

Ecoregion: Peace Lowland, Boreal Transition
Agroclimate: 2H, 3H

Subregion: Dry Mixedwood, Peace River Parkland

SCA 19: The Boreal Highland Areas of Northern Alberta

Ecoregion: Mid-Boreal Uplands
Agroclimate: 5H

Subregion: Boreal Highlands

Additional Notes: Includes the Birch Mountains, Buffalo Head Hills, and Christina Upland.

SCA 20: The Central Mixedwood Area of Central and Northern Alberta

Ecoregion: Wabasca Lowland, Mid-Boreal Uplands, Hay River Lowland, Slave River Lowland
Agroclimate: 4H

Subregion: Central Mixedwood, Wetland Mixedwood, Peace River Lowlands, Athabasca Plain

SCA 21: The Central Mixedwood Area of East-Central Alberta

Ecoregion: Mid-Boreal Uplands, Boreal Transition
Agroclimate: 4H

Subregion: Central Mixedwood, Dry Mixedwood

Table 1 (cont.)

SCA 22: Gray and Dark Gray Soil Zone of the North Peace Area

Ecoregion: Peace Lowland
Agroclimate: 3H (4H)

Subregion: Dry Mixedwood,

SCA 23: The Sub-Arctic Areas of Northern Alberta

Ecoregion: Northern Alberta
Uplands,
Mid-Boreal Uplands
Agroclimate: 6-7H

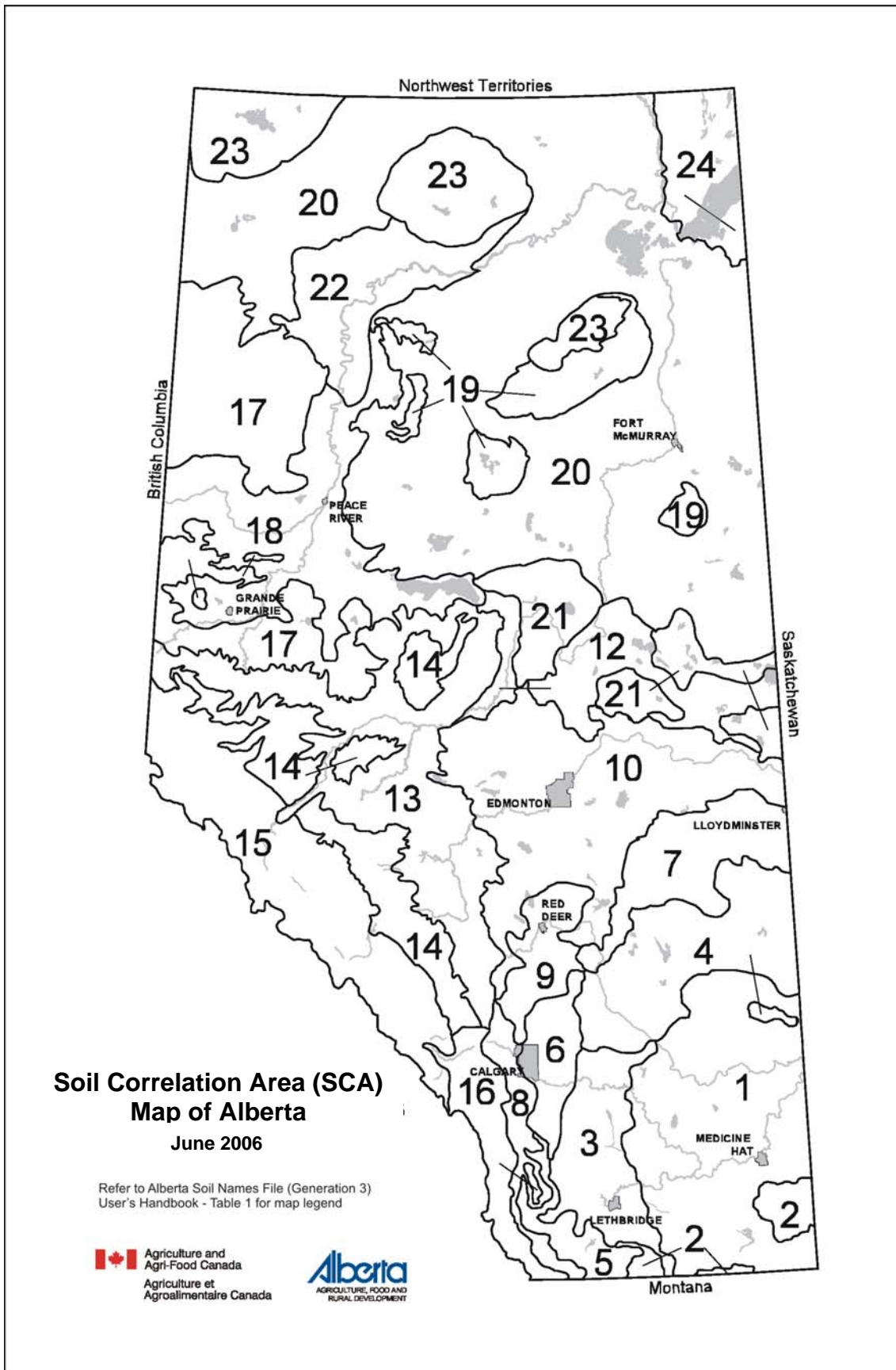
Subregion: Sub-Arctic,
Boreal Highlands

Additional Notes: Includes the Cameron Hills, Caribou Mountains, and the highest portion of the Birch Mountains

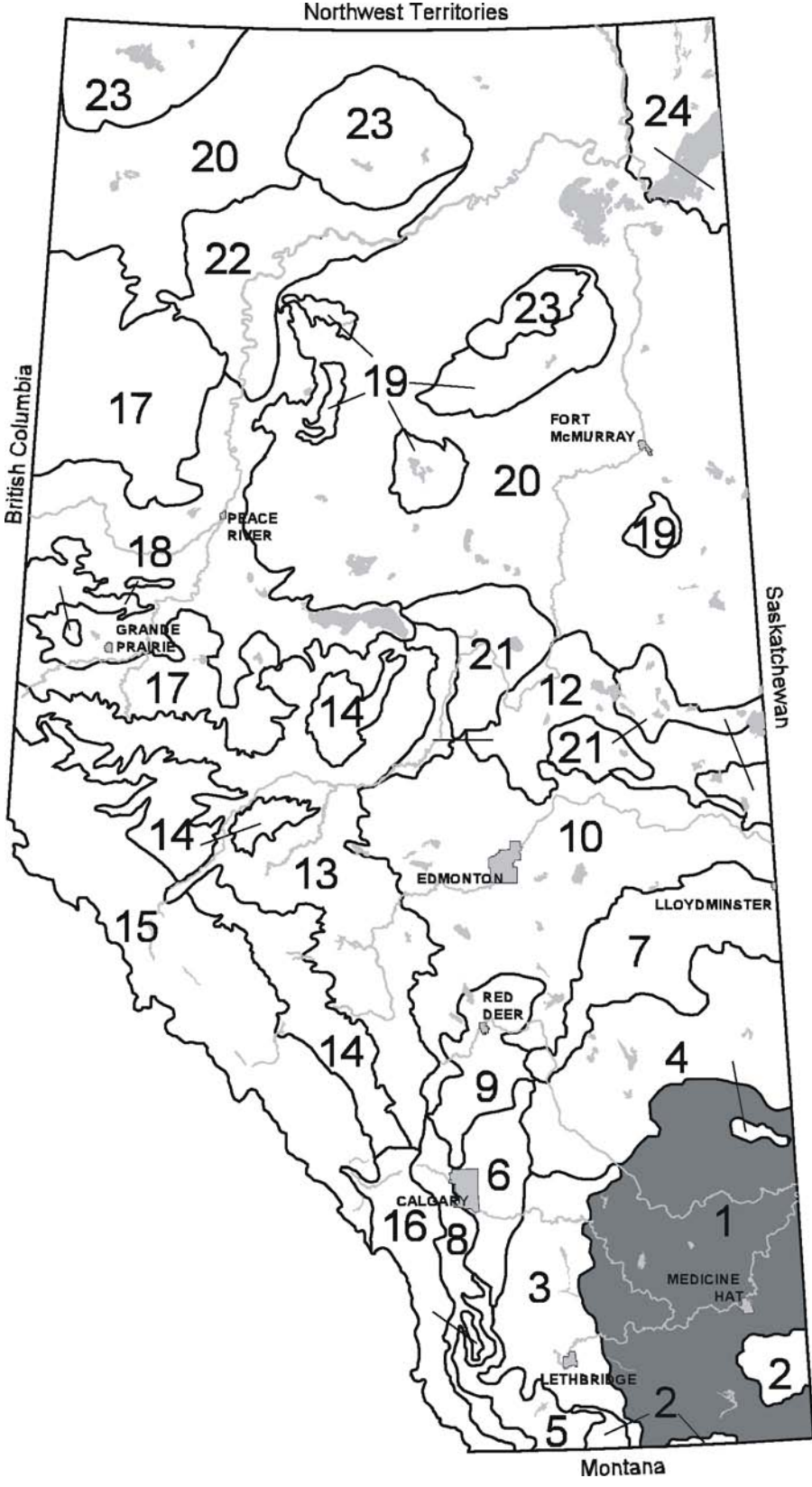
SCA 24: Canadian Shield

Ecoregion: Kazan Lake Upland,
Athabasca Plain
Agroclimate: 6H

Subregion: Kazan Upland,
Athabasca Plain



SCA 1
Brown Soil Zone of South-Eastern Alberta



SCA 1

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
ACADIA VALLEY	ACV	VE	O.V	M	N	F2	VF	GLLC	-	-	Changed to a Vertisol in '98. Originally classified as CA.B.
ANTONIO	ANO	CH	O.BC	M	N	L2	MC	GLFL	MF	TILL	Equivalent to shallow (till at 31-99 cm) Bingville .
ANTONIO-ER	ANOer	CH	O.BC	M	N	L2	MC	GLFL	MF	TILL	
ANTONIO-GL	ANOgl	CH	GL.BC	M	N	L2	MC	GLFL	MF	TILL	
ANTONIO-ST	ANost	CH	O.BC	M	N	L2	STMC	GLFL	MF	TILL	
ANTELOPE	ATP	RG	O.R	W	N	C2	VC	EOLI	-	-	Associated with sand dunes.
BULLPOUND	BLP	SZ	B.SZ	M	M	M3	MF	GLLC	-	-	Often mapped with Karlsbad and Wardlow .
BULLPOUND-SA	BLPsa	SZ	B.SZ	M	M	M3	MF	GLLC	-	-	
BUNTON	BUT	CH	O.BC	M	N	M2	ME	GLFL	-	-	Associated with fluvial fans, aprons, in coulees and spillways.
BUNTON-SA	BUTsa	CH	O.BC	M	W	M2	ME	GLFL	-	-	
BUNTON-SAZR	BUTsazr	RG	O.HR	M	S	M2	ME	GLFL	-	-	
BUNTON-XP	BUTxp	CH	O.BC	M	N	L8	ME	GLFL	ME	SRUN	
BUNTON-ZR	BUTzr	RG	O.HR	M	N	M2	ME	GLFL	-	-	
BINGVILLE	BVL	CH	O.BC	W	N	C3	MC	GLFL	-	-	
BINGVILLE-ER	BVLer	CH	O.BC	W	N	C3	MC	GLFL	-	-	No longer used - use BVLzr for Rego and Regosolic profiles (June'06).
BINGVILLE-GL	BVLgl	CH	GL.BC	W	N	C3	MC	GLFL	-	-	
BINGVILLE-GR	BVLgr	CH	O.BC	W	N	C3	GRMC	GLFL	-	-	
BINGVILLE-SA	BVLsa	CH	O.BC	W	M	C3	MC	GLFL	-	-	
BINGVILLE-XL	BVLxl	CH	O.BC	W	N	L7	MC	GLFL	-	BRUN	
BINGVILLE-ZR	BVLzr	CH	R.BC	M	N	C3	MC	GLFL	-	-	
CECIL	CCL	CH	SZ.BC	M	W	M4	MF	TILL	-	-	Originally classified as Solodic Brown or Eluviated Brown. Equivalent to solonetzic Maleb . Usually has an Ae horizon. If Ae horizon absent use Ronalaine .
CECIL-ST	CCLst	CH	SZ.BC	M	W	M4	MF	TILL	-	-	
CRANFORD	CFD	CH	O.BC	M	N	L3	ME	GLLC	MF	TILL	Equivalent to shallow (till at 31-99 cm) Chin . Upper veneer clay content generally 20-35%.
CRANFORD-ER	CFDer	CH	O.BC	M	N	L3	ME	GLLC	MF	TILL	
CRANFORD-GL	CFDgl	CH	GL.BC	M	N	L3	ME	GLLC	MF	TILL	
CRANFORD-SA	CFDsa	CH	O.BC	M	M	L3	ME	GLLC	MF	TILL	
CRANFORD-SC	CFDsc	CH	O.BC	M	M	L3	ME	GLLC	MF	TILL	Solum is non-saline to weakly saline. Underlying till is moderately saline and strongly sodic.
CHIN	CHN	CH	O.BC	M	N	M2	ME	GLLC	-	-	FLUV, LACU or EOLI materials L to CL textured (generally 20-35% clay) and may have finer textured layers.
CHIN-ER	CHNer	CH	O.BC	M	N	M2	ME	GLLC	-	-	
CHIN-GL	CHNgl	CH	GL.BC	M	N	M2	ME	GLLC	-	-	Replaced with MHN in SCA 1. Still used in AGRASID .
CHIN-SA	CHNsa	CH	O.BC	M	M	M2	ME	GLLC	-	-	Profile often carbonated. Associated with discharge areas.
CHIN-SC	CHNsc	CH	O.BC	M	M	M2	ME	GLLC	-	-	C horizon is moderately saline.
CHINZ	CHZ	CH	SZ.BC	M	W	M2	ME	GLLC	-	-	Equivalent to solonetzic Chin . Usually has a weak Bnt horizon and lacks an Ae horizon. If Ae horizon present use Tilley .
CLARINDA	CLR	CH	R.BC	M	N	M4	MF	TILL	-	-	Equivalent to rego Masinasin . Used south of the Lethbridge-Etzikom moraine.
CLARINDA-ST	CLRst	CH	R.BC	M	N	M4	MF	TILL	-	-	
COMREY	CMR	CH	O.BC	M	N	C6	MC	SRCN	-	BRUN	Developed on sandstone bedrock.

SCA 1 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
CAVENDISH	CVD	CH	O.BC	M	N	C2	VC	FLEO	-	-	Usually has a loamy sand textured A horizon and occasionally a loamy sand textured B horizon, overlying sand.
CAVENDISH-CRSA	CVDcrsa	CH	O.BC	M	M	C2	VC	FLEO	-	-	Associated with discharge areas.
CAVENDISH-ER	CVDer	CH	O.BC	M	N	C2	VC	FLEO	-	-	
CAVENDISH-GL	CVDgl	CH	GL.BC	M	N	C2	VC	FLEO	-	-	
CAVENDISH-GLSA	CVDglsa	CH	GL.BC	M	M	C2	VC	FLEO	-	-	
CAVENDISH-SA	CVDsa	CH	O.BC	M	M	C2	VC	FLEO	-	-	
CAVENDISH-SC	CVDsc	CH	O.BC	M	M	C2	VC	FLEO	-	-	C horizon is weakly to moderately saline.
DISHPAN	DHP	GL	R.G	N	S	M3	MF	LACU	-	-	Saline soils associated with wetland depressions. Previously azonal, now confined to the Brown soil zone.
DUCHESS	DHS	SZ	B.SS	M	M	L3	ME	GLLC	MF	TILL	Equivalent to shallow (till at 31-99 cm) Wardlow .
DUCHESS-ER	DHSer	SZ	B.SS	M	M	L3	ME	GLLC	MF	TILL	
EXPANSE	EXP	CH	CA.BC	M	N	M2	ME	GLLC	-	-	Equivalent to calcareous Chin .
ETZIKOM	EZM	RG	O.R	M	N	C1	GRVC	GLFL	-	-	
FOREMOST	FMT	CH	O.BC	M	N	M4	ME	TILL	-	-	Developed on Foremost till (washed and sorted version of Maleb till often containing sandy lenses). Usually found in association with Chin , Cranford , Cavendish , Bingville , and Kangaroo .
FOREMOST-CA	FMTca	CH	CA.BC	S	N	M4	ME	TILL	-	-	
FOREMOST-CO	FMTco	CH	O.BC	M	N	C4	MC	TILL	-	-	
FOREMOST-ST	FMTst	CH	O.BC	M	N	M4	ME	TILL	-	-	
FOREMOST-ZR	FMTzr	CH	R.BC	M	N	M4	ME	TILL	-	-	
GEM	GEM	SZ	B.SO	M	M	L3	ME	GLLC	MF	TILL	Equivalent to shallow (till at 31-99 cm) Karlsbad .
GLEDDIES	GLS	GL	R.G	M	M	F1	FI	LACU	-	-	Saline soils. Previously azonal, now confined to the Brown soil zone. SiC to C textured materials.
GOPHER	GPH	SZ	B.SS	M	M	L2	MC	GLFL	MF	TILL	Equivalent to shallow (till at 31-99 cm) Youngstown . The Bnt horizon is usually developed in the underlying till.
GOPHER-XP	GPHxp	SZ	B.SS	M	M	L7	MC	GLFL	MC	TILL	
HALLIDAY	HDY	SZ	B.SO	M	M	M4	MF	TILL	-	-	Developed on Bearpaw shale-derived till (Foremost, Masinasin and Maleb till). These materials are often saline and sodic. Usually found in association with Hemaruksa and Ronalaine .
HALLIDAY-ER	HDYer	SZ	B.SO	M	M	M4	MF	TILL	-	-	
HALLIDAY-ST	HDYst	SZ	B.SO	M	M	M4	MF	TILL	-	-	
HALLIDAY-TA	HDYta	SZ	B.SO	M	M	M4	MF	TILL	-	-	
HELMSDALE	HMS	CH	R.BC	M	W	M4	MF	TILL	-	-	Equivalent to rego Maleb . Generally found on ridge tops upslope from Travers and Maleb .
HELMSDALE-ST	HMSst	CH	R.BC	M	W	M4	MF	TILL	-	-	
HEMARUKA	HUK	SZ	B.SS	M	M	M4	MF	TILL	-	-	Developed on Bearpaw shale-derived till (Foremost, Masinasin and Maleb till). These materials are often saline and sodic. Usually found in association with Halliday and Ronalaine .
HEMARUKA-ER	HUKer	SZ	B.SS	M	M	M4	MF	TILL	-	-	In eroded pits that often occupy 10-60% of solonchic landscapes.
HEMARUKA-ERSA	HUKersa	SZ	B.SS	M	M	M4	MF	TILL	-	-	
HEMARUKA-GL	HUKgl	SZ	GLB.SS	M	M	M4	MF	TILL	-	-	
HEMARUKA-SA	HUKsa	SZ	B.SS	M	M	M4	MF	TILL	-	-	

SCA 1 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
HEMARUKA-ST	HUKst	SZ	B.SS	M	M	M4	MF	TILL	-	-	
HEMARUKA-XP	HUKxp	SZ	B.SS	M	M	L6	MF	TILL	MF	SRFS	Saline-sodic softrock within 1 m.
ISLANDS	INS	GL	R.G	M	W	C2	VC	FLEO	-	-	New name replaced Many Islands in SCA 1.
ISLANDS-SA	INSsa	GL	R.G	M	M	C2	VC	FLEO	-	-	
ILLINGWORTH	IWT	GL	O.G	M	N	M3	MF	GLLC	-	-	Confined to the Brown soil zone.
KARLSBAD	KBD	SZ	B.SO	M	M	M3	MF	GLLC	-	-	
KARLSBAD-ER	KBDer	SZ	B.SO	M	M	M3	MF	GLLC	-	-	
KARLSBAD-GL	KBDgl	SZ	GLB.SO	M	M	M3	MF	GLLC	-	-	
KARLSBAD-SA	KBDsa	SZ	B.SO	M	M	M3	MF	GLLC	-	-	
KANGAROO	KGO	CH	O.BC	M	N	C1	GRVC	GLFL	-	-	Ice-contact material.
KANGAROO-XP	KGOxp	CH	O.BC	M	N	L7	GRVC	GLFL	-	BRUN	
KITSIM	KTM	GL	R.G	M	S	M4	MF	TILL	-	-	
LILYBROWN	LYB	CH	GL.BC	M	M	M2	ME	FLUV	-	-	Saline soils associated with seepage areas on the Verdigris Plain. Replaced Lilydale (SCA 3) in SCA 1. Changed drainage to I from MW and subgroup to gleyed from orthic, Sept. 16/03.
MALEB	MAB	CH	O.BC	M	W	M4	MF	TILL	-	-	Developed on Maleb till (Bearpaw Formation (marine) and Horseshoe Canyon Formation (mainly non-marine) derived till). Used north of the Lethbridge-Etzikom moraine.
MALEB-CA	MABca	CH	CA.BC	M	W	M4	MF	TILL	-	-	Changed subgroup to CA.BC to agree with presence of Bmk in profile description, June 29/05.
MALEB-CO	MABco	CH	O.BC	M	W	M4	ME	TILL	-	-	
MALEB-CRSN	MABcrsa	CH	CA.BC	M	M	M4	MF	TILL	-	-	Changed subgroup to CA.BC to agree with presence of Bmk in profile description, June 29/05.
MALEB-SA	MABsa	CH	O.BC	M	M	M4	MF	TILL	-	-	
MALEB-ST	MABst	CH	O.BC	M	W	M4	MF	TILL	-	-	
MALEB-TA	MABta	CH	O.BC	M	W	M4	MF	TILL	-	-	
MALEB-XP	MABxp	CH	O.BC	M	W	L6	MF	TILL	MF	SRUN	
MCNAB	MCN	RG	O.R	M	M	M2	ME	FLUV	-	-	Saline soils associated with fluvial fans. Often found in association with solonetzic soils.
MCNAB-GL	MCNgl	RG	GL.R	M	M	M2	ME	FLUV	-	-	
MILLICENT	MCT	CH	SZ.BC	M	W	F1	FI	GLLC	-	-	Equivalent to solonetzic Seven Persons . Usually has an Ae horizon.
MILLICENT-SA	MCTsa	CH	SZ.BC	M	M	F1	FI	GLLC	-	-	
MEACHIN	MHN	CH	GL.BC	M	N	M2	ME	GLLC	-	-	Replaced Chin-gl in SCA 1.
MILK RIVER	MKR	RG	CU.R	M	N	C3	MC	FLUV	-	-	Developed on recently deposited LS to SL textured fluvial materials.
MASINASIN	MSN	CH	O.BC	M	N	M4	MF	TILL	-	-	Developed on Masinasin till (older than Maleb till). Used south of the Lethbridge-Etzikom moraine.
MASINASIN-GR	MSNgr	CH	O.BC	M	N	M4	MF	TILL	-	-	
MASINASIN-SA	MSNsa	CH	O.BC	M	M	M4	MF	TILL	-	-	
MASINASIN-ST	MSNst	CH	O.BC	M	N	M4	MF	TILL	-	-	
NEIDPATH	NDP	GL	O.LG	W	N	M3	MF	GLLC	-	-	
ORION	ORN	RG	O.R	W	N	M2	ME	GLFL	-	-	Developed on valleyfill (glacis) materials.
ORION-SA	ORNsa	RG	O.R	W	M	M2	ME	GLFL	-	-	

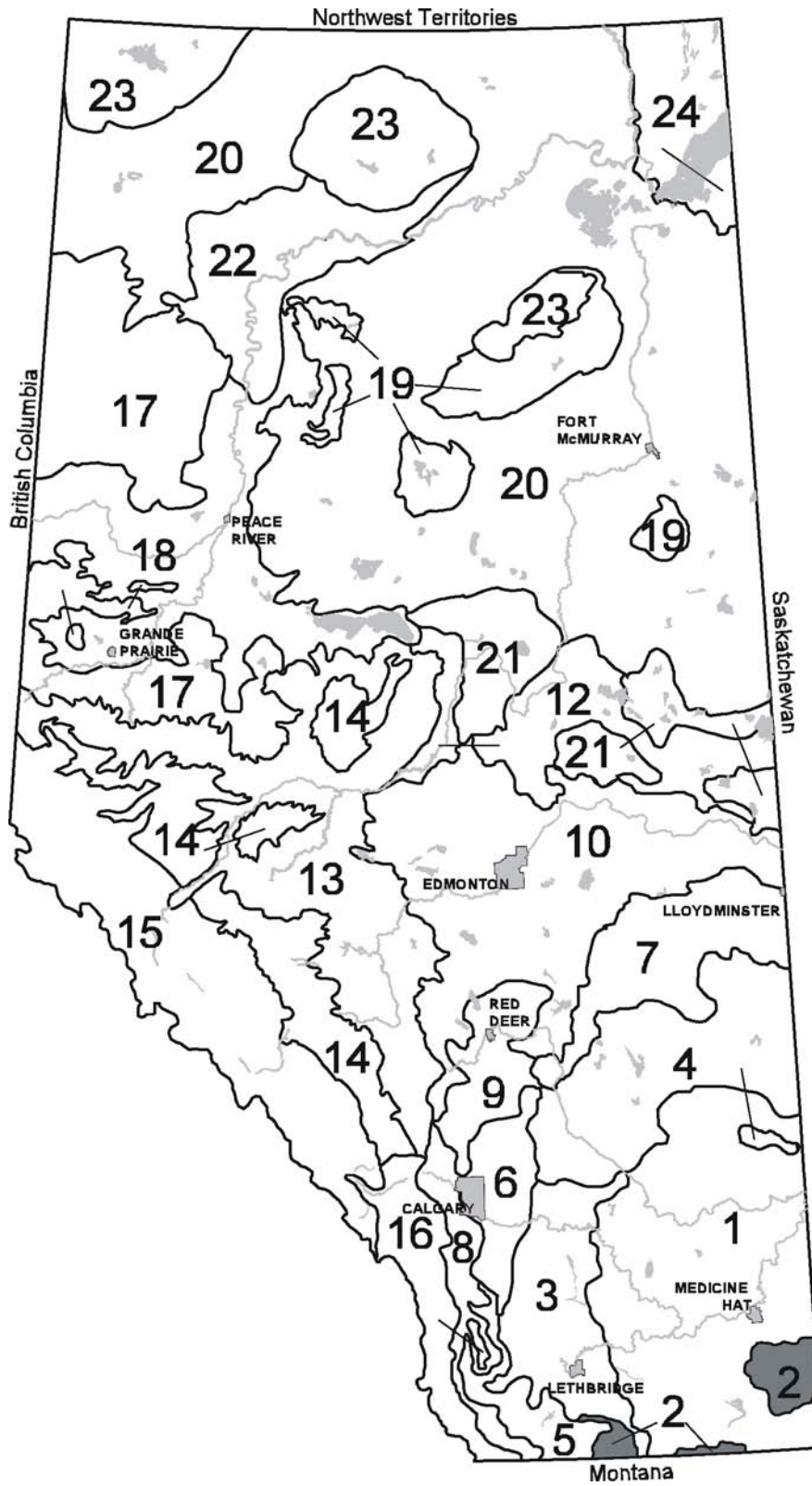
SCA 1 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
PINHORN	PHN	CH	O.BC	M	N	M5	ME	SRUN	-	-	Developed on siltstone and shale bedrock.
PURPLE SPRINGS	PLS	CH	O.BC	W	N	L2	VC	FLEO	MF	TILL	Equivalent to shallow (till at 31-99 cm) Cavendish .
PURPLE SPRINGS-ER	PLSer	CH	O.BC	W	N	L2	VC	FLEO	MF	TILL	
PATRICIA	PTA	SZ	B.SS	M	M	F1	FI	GLLC	-	-	
PATRICIA-ER	PTAer	SZ	B.SS	M	M	F1	FI	GLLC	-	-	
PATRICIA-SA	PTAsa	SZ	B.SS	M	M	F1	FI	GLLC	-	-	
PATRICIA-TA	PTAta	SZ	B.SS	M	M	F1	FI	GLLC	-	-	
PEMUKAN	PUN	CH	O.BC	M	N	C1	VGVC	GLFL	-	-	
PEMUKAN-SC	PUNsc	CH	O.BC	M	W	C1	VGVC	GLFL	-	-	C horizon is weakly saline.
PURESCAPE-AA	PURaa	CH	O.DBC	M	N	M4	MF	TILL	-	-	Developed on Foremost till. Home SCA is 2.
RAMILLIES	RAM	CH	O.BC	M	N	L5	ME	GLFL	VGVC	GLFL	L to SiL textured veneer over sand and gravel.
RAMILLIES-ST	RAMst	CH	O.BC	M	N	L5	STME	GLFL	VGVC	GLFL	
ROLLING HILLS	RHS	SZ	B.SS	M	M	L20	VC	FLEO	MF	GLLC	Bnt horizon developed in underlying GLLC material.
ROLLING HILLS-SA	RHSsa	SZ	B.SS	M	M	L20	VC	FLEO	MF	GLLC	
RAINIER	RIR	CH	O.BC	M	N	L20	MC	GLFL	MF	GLLC	SL textured veneer overlying CL to C textured materials.
RAINIER-SA	RIRsa	CH	O.BC	M	M	L20	MC	GLFL	MF	GLLC	
ROSEMARY	RMR	SZ	B.SO	M	W	F1	FI	GLLC	-	-	
ROSEMARY-ER	RMRer	SZ	B.SO	M	W	F1	FI	GLLC	-	-	
ROSEMARY-SA	RMRsa	SZ	B.SO	M	M	F1	FI	GLLC	-	-	
ROSEMARY-TA	RMRta	SZ	B.SO	M	W	F1	FI	GLLC	-	-	
RONALAINE	ROL	CH	SZ.BC	M	W	M4	MF	TILL	-	-	Equivalent to solonetzic Maleb . If Ae horizon present use Cecil .
RONALAINE-ST	ROLst	CH	SZ.BC	M	W	M4	MF	TILL	-	-	
ROLWARD	RRD	SZ	B.SS	M	M	L20	MC	GLFL	MF	GLLC	Bnt horizon developed in underlying GLLC material.
SCOTFIELD	SFD	RG	GL.R	M	S	M3	MF	GLLC	-	-	Saline soils associated with depressional areas. May be slope wash derived from softrock.
STIRLING	SIG	SZ	B.SZ	M	M	F1	FI	GLLC	-	-	
STIRLING-GL	SIGgl	SZ	GLB.SZ	M	M	F1	FI	GLLC	-	-	
STIRLING-SA	SIGsa	SZ	B.SZ	M	M	F1	FI	GLLC	-	-	
STEVEVILLE	SIL	SZ	B.SS	W	W	L6	ME	TILL	ME	SRFS	Equivalent to shallow (Bearpaw Formation bedrock at 31-99 cm) Hemaruka . Textures range from SL to SiC.
STEVEVILLE-ER	SILer	SZ	B.SS	W	W	L6	ME	TILL	ME	SRFS	
STEVEVILLE-ST	SILst	SZ	B.SS	W	W	L6	ME	TILL	ME	SRFS	
SKIFF	SKF	GL	O.LG	M	N	L3	MF	GLLC	MF	TILL	
SLOUGHAY	SLY	GL	R.HG	M	N	M3	MF	GLLC	-	-	Previously azonal, used in the Brown and Dark Brown soil zones.
SEVEN PERSONS	SPS	CH	O.BC	M	N	F1	FI	GLLC	-	-	
SEVEN PERSONS-GL	SPSgl	CH	GL.BC	M	N	F1	FI	GLLC	-	-	
SEVEN PERSONS-SA	SPSsa	CH	O.BC	M	M	F1	FI	GLLC	-	-	
SEVEN PERSONS-ZR	SPS zr	CH	R.BC	M	N	F1	FI	GLLC	-	-	
SEXTON-AA	SXTaa	RG	CU.HR	M	N	C3	MC	FLUV	-	-	Associated with fluvial fans. Previously azonal but now confined to Dark Brown soil zone. Home SCA is 3, also used in SCA 2.

SCA 1 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
SUNNYNOOK	SYK	SZ	B.SS	M	M	L2	VC	FLEO	MF	TILL	Equivalent to shallow (till at 31 to 99 cm) Yarnley . The Bnt horizon is developed in the underlying till.
TABER	TAB	CH	O.BC	M	N	L18	ME	GLLC	VC	GLFL	Replaced Chin/sand in SCA 1.
TEMPEST	TEP	GL	HU.LG	W	N	M3	MF	GLLC	-	-	
TIMKO	TIK	CH	SZ.BC	M	W	L3	ME	GLLC	MF	TILL	Replaced shallow (till at 31-99 cm) Tilley .
TILLEY	TIY	CH	SZ.BC	M	W	M2	ME	GLLC	-	-	Equivalent to solonetzic Chin . If Ae horizon absent use Chinz . Originally classified as Solodic Brown.
TRAVERS	TVS	CH	CA.BC	M	W	M4	MF	TILL	-	-	Equivalent to calcareous Maleb . Generally found between Maleb and Helmsdale soils on a slope.
TRAVERS-ST	TVSst	CH	CA.BC	M	W	M4	MF	TILL	-	-	
TRAVERS-ST	TVSst	CH	CA.BC	M	W	M4	MF	TILL	-	-	
VAN CLEEVE-AA	VACaa	CH	O.DBC	M	N	L6	MF	TILL	ME	SRUN	Developed on shallow (softrock at 31-99 cm) till. Home SCA is 3.
VENTRE	VET	GL	R.G	M	N	M3	MF	GLLC	-	-	Non-saline
VERDIGRIS	VGR	RG	CU.R	M	N	M3	MF	FLUV	-	-	Developed on recent fluvial sediments in stream valleys (e.g., Bow River and Red Deer River). vSL to L textured.
VERDIGRIS-GL	VGRgl	RG	GLCU.R	M	N	M3	MF	FLUV	-	-	
VENDISANT	VST	CH	R.BC	M	N	C2	VC	FLEO	-	-	Use with Cavendish .
VENDISANT-GL	VSTgl	CH	GLR.BC	M	N	C2	VC	FLEO	-	-	
WHEIDEN	WDN	CH	O.BC	M	N	F3	FI	GLTL	-	-	Used SE of Acadia Valley.
WARDLOW	WDW	SZ	B.SS	M	W	M3	MF	GLLC	-	-	
WARDLOW-ER	WDWer	SZ	B.SS	M	W	M3	MF	GLLC	-	-	
WARDLOW-SA	WDWsa	SZ	B.SS	M	M	M3	MF	GLLC	-	-	
WALSH	WLH	GL	R.G	W	N	F1	FI	LACU	-	-	Non-saline.
WESTON-AA	WTNaa	RG	O.R	N	W	F1	FI	GLLC	-	-	Associated with coulee bottoms. Home SCA is 3.
YARNLEY	YNY	SZ	B.SS	W	W	C2	VC	FLEO	-	-	Developed in sandy materials. Bn horizon occurs at 45 to 60 cm depth; columns are 15 cm wide.
YARNLEY-TA	YNYta	SZ	B.SS	W	W	C2	VC	FLEO	-	-	
YOUNGSTOWN	YTW	SZ	B.SS	M	W	C3	MC	GLFL	-	-	
YOUNGSTOWN-ER	YTWer	SZ	B.SS	M	W	C3	MC	GLFL	-	-	

SCA 2 Dark Brown Highlands of Southern Alberta



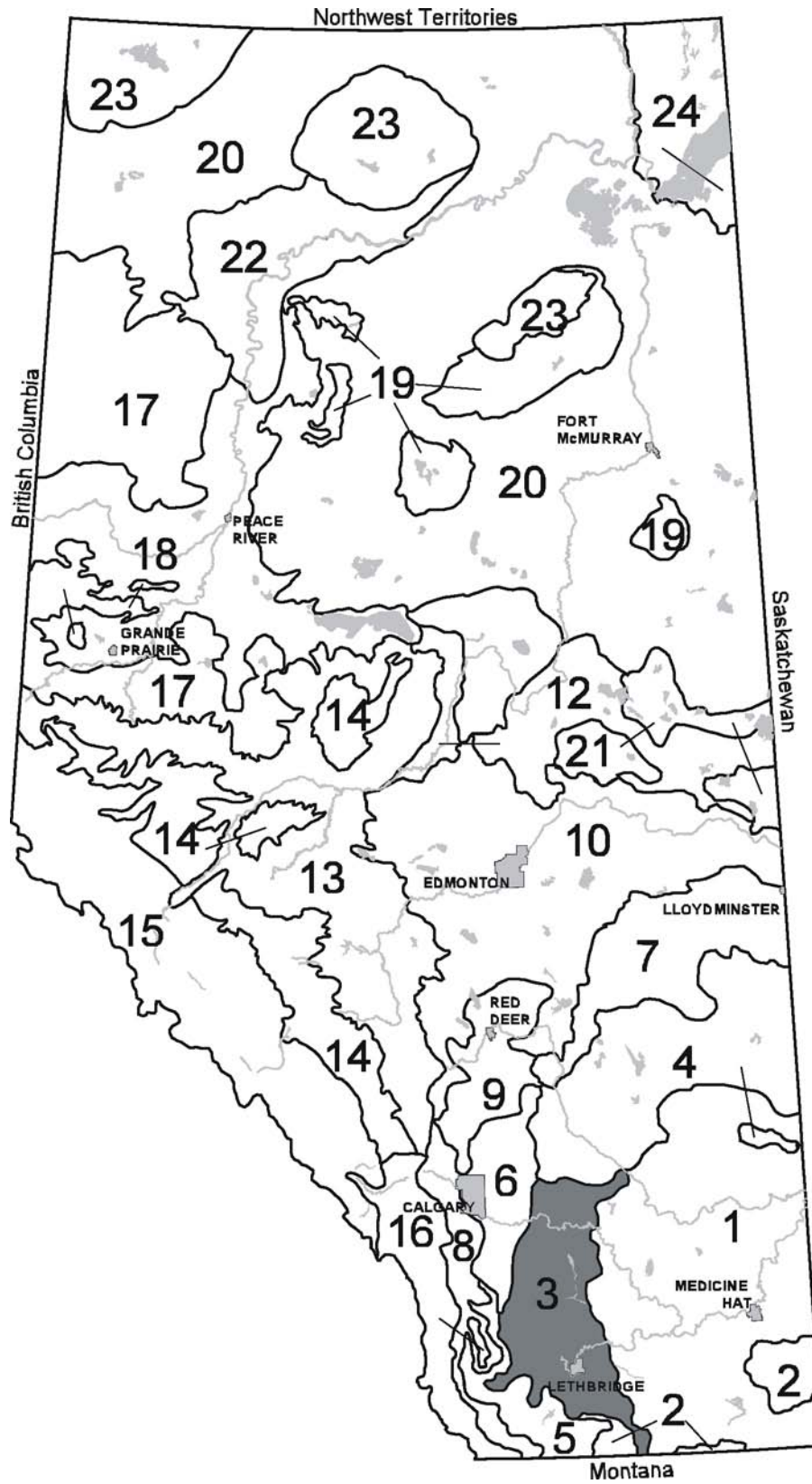
SCA 2

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
BEAZER-AA	BZRaa	CH	O.BLC	M	N	M4	MF	TILL	-	-	Developed on Milk River Ridge till. Home SCA is 5(SW).
CROWFOOT-AA	CFTaa	CH	O.DBC	S	N	L5	ME	GLFL	VGVC	GLFL	Home SCA is 3.
CRAIGOWER	CGW	SZ	DB.SS	M	W	M3	MF	GLLC	-	-	Confined to the Dark Brown soil zone at low elevations on the Cypress
CRAIGOWER-GL	CGWgl	SZ	GLDB.SS	M	W	M3	MF	GLLC	-	-	
DELMAS	DMS	CH	O.DBC	M	N	C1	GRVC	FLUV	-	-	Developed on uncemented tertiary gravels. Usually found in association with Marmaduke . DMS soils may occupy scoured trough positions, or the "ridge spines" between troughs (interfluves).
DEMPSTER	DPT	CH	O.BLC	M	N	C6	MC	SRUN	-	-	Associated with breaks in slopes around the Cypress Hills. Similar to the Caton Creek soil in Saskatchewan.
DEMPSTER-FI	DPTfi	CH	O.BLC	M	N	M5	ME	SRUN	-	-	
ELKWATER	EKW	CH	O.BLC	M	N	M4	MF	TILL	-	-	Developed on Cypress Hills till. Confined to the Black soil zone at the top of the Cypress Hills. 3-4H agroclimate. Saskatchewan equivalent name is Murraydale .
FORK	FOR	CH	O.DBC	M	N	L20	MC	GLFL	MF	GLLC	Name originated on the Milk River Ridge. Described in the County of Warner Report.
FORK-GR	FORgr	CH	O.DBC	M	N	L21	GRMC	GLFL	MF	GLLC	
GLENBANNER	GNN	CH	O.DBC	M	N	M3	MF	GLLC	-	-	Confined to the Dark Brown soil zone at low elevations on the Cypress Hills. Associated with Tothill . 2AH agroclimate.
GLENBANNER-XT	GNNxt	CH	O.DBC	M	N	L3	MF	GLLC	MF	TILL	
GRUDGE	GRG	SZ	DB.SS	M	N	M4	MF	TILL	-	-	Developed on Milk River Ridge till. Suspect bedrock within 5 m. Confined to the Milk River Ridge.
GRUDGE-ER	GRGer	SZ	DB.SS	M	N	M4	MF	TILL	-	-	
HEGSON	HEG	CH	O.DBC	M	N	F3	FI	GLTL	-	-	Confined to the Milk River Ridge. Use with Purescape .
HEARTBREAK	HRK	CH	O.DBC	M	N	C2	VC	GLFL	-	-	
HEARTBREAK-CA	HRKca	CH	CA.DBC	M	N	C2	VC	GLFL	-	-	
HEARTBREAK-ZR	HRKzr	CH	R.DBC	M	N	C2	VC	GLFL	-	-	
KEHOL-AA	KHOaa	SZ	DB.SS	M	N	M3	MF	GLLC	-	-	Home SCA is 3
KESSLER-AA	KSRaa	CH	O.DBC	M	N	C3	MC	GLFL	-	-	Home SCA is 3.
LETHBRIDGE-AA	LETaa	CH	O.DBC	M	N	M2	ME	GLLC	-	-	Clay content 20-35%, thus moderately fine textures present within profile. Home SCA is 3.
LUPEN	LUP	CH	O.DBC	M	N	L3	ME	GLLC	MF	TILL	Associated with Purescape on the Milk River Ridge. Clay content of veneer varies from 20-35%.
MCALPINE	MCA	SZ	DB.SS	M	N	M4	MF	TILL	-	-	Developed on Cypress Hills till. Confined to the high elevation Dark Brown soil zone on the Cypress Hills. 2H agroclimate.
MIGRA	MGR	CH	O.DBC	M	N	L2	MC	GLFL	MF	TILL	Primarily confined to the Milk River Ridge.
MIGRA-GR	MGRgr	CH	O.DBC	M	N	L1	GRMC	GLFL	MF	TILL	
MAHER	MHR	SZ	DB.SS	M	N	M4	MF	TILL	-	-	Developed on Cypress Hills till. Confined to the low elevation Dark Brown soil zone on the Cypress Hills. 2AH agroclimate.
MARMADUKE	MMD	CH	O.DBC	M	N	L5	ME	FLUV	GRVC	FLUV	Interpreted as poorly sorted loess over uncemented Tertiary gravels. Occuring at elevations between 3700 to 4400 ft. AMSL.
MINDA	MNA	SZ	DB.SS	M	N	L6	ME	TILL	ME	SRFS	Developed on shallow (softrock at 31-99 cm) till. Equivalent of Steveville in SCA 1. Confined to low elevation Dark Brown soil zone. 2AH agroclimate.
NEW DAYTON-AA	NEDaa	CH	O.DBC	M	N	C1	VGVC	GLFL	-	-	Used on the Milk River Ridge. Home SCA is 3.
OASIS-AA	OASaa	CH	O.DBC	M	N	L18	ME	GLLC	MC	GLFL	Home SCA is 3.

SCA 2 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
PHILP	PLP	CH	O.DBC	M	N	L6	ME	TILL	ME	SRUN	Developed on shallow (softrock at 31-99 cm) till. Used at elevations above 3400 ft. AMSL in the Pinhorn Reserve. Description in the County of 40 Mile Report.
PLUME	PME	CH	R.DBC	M	N	M4	MF	TILL	-	-	Equivalent to rego Wisdom . Confined to the Cypress Hills.
PLUME-XP	PMExp	CH	R.DBC	M	N	L6	MF	TILL	MF	SRFN	
PURESCAPE	PUR	CH	O.DBC	M	N	M4	MF	TILL	-	-	Developed on Milk River Ridge till (moderately fine textured, confined to the Milk River Ridge). High elevation Dark Brown soil zone. 2AH agroclimate.
PURESCAPE-GR	PURgr	CH	O.DBC	M	N	M4	MF	TILL	-	-	
PURESCAPE-XP	PURxp	CH	O.DBC	M	N	L6	MF	TILL	MF	SRUN	
ROCKFORD-AA	RFDaa	CH	O.BLC	M	N	M1	GRME	GLFL	-	-	Home SCA is 5.
RUSH LAKE	RLK	CH	O.DBC	M	N	M3	MF	GLLC	-	-	
RUSH LAKE-XT	RLKxt	CH	O.DBC	M	N	L3	MF	GLLC	MF	TILL	
REESOR	RSR	LU	D.GL	W	N	M1	GRME	FLUV	-	-	
REESOR-ZZ	RSRzz	CH	O.BLC	W	N	M1	GRME	FLUV	-	-	
SPROLE	SOL	CH	O.DBC	M	N	M4	MF	TILL	-	-	Developed on Sweetgrass Upland till (moderately fine textured, confined to the Sweetgrass Upland above 3500 ft. AMSL). Strong structured B horizon. From USA.
SPROLE-CA	SOLca	CH	CA.DBC	M	N	M4	MF	TILL	-	-	Changed subgroup to CA.DBC to agree with variant (ca), June 29/05.
SPROLE-ST	SOLst	CH	O.DBC	M	N	M4	MF	TILL	-	-	
SPROLE-ZR	SOLzr	CH	R.DBC	M	N	M4	MF	TILL	-	-	
THELMA	THA	CH	O.BLC	M	N	M3	MF	EOLI	-	-	Soils developed on loess on the Cypress Hills Upland. Tertiary gravels may occur at depths of > 120 cm.
TOTHILL	TTH	CH	O.DBC	M	N	M4	MF	TILL	-	-	Developed on Cypress Hills till (moderately fine textured, confined to the Cypress Hills). Low elevation Dark Brown soil zone. 2AH agroclimate. Mapped adjacent to Maleb (SCA 1) and in association with Maher and Woolchester . Saskatchewan equivalent name is Belanger .
TOTHILL-ST	TTHst	CH	O.DBC	M	N	M4	STMF	TILL	-	-	
TOTHILL-XL	TTHxl	CH	O.DBC	M	N	L6	MF	TILL	-	BRUN	
TOTHILL-XP	TTHxp	CH	O.DBC	M	N	L6	MF	TILL	MF	SRUN	
VERDIGRIS-AA	VGRaa	RG	CU.R	M	N	M3	MF	FLUV	-	-	Developed on recent fluvial sediments in stream valleys. vfSL to L textured. Home SCA is 1.
WOOLCHESTER	WCR	CH	R.DBC	M	N	M4	MF	TILL	-	-	Equivalent to rego Tothill . Confined to the Cypress Hills.
WILDA	WID	CH	R.DBC	M	N	M4	MF	TILL	-	-	Equivalent to rego Purescape . Confined to the Milk River Ridge.
WISDOM	WSM	CH	O.DBC	M	N	M4	MF	TILL	-	-	Developed on Cypress Hills till (moderately fine textured, confined to the Cypress Hills). Upper elevation Dark Brown soil zone. 2H agroclimate.
WISDOM-ST	WSMst	CH	O.DBC	M	N	M4	STMF	TILL	-	-	

SCA 3 Dark Brown Soil Zone of South-Western Alberta



SCA 3

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
ARROWWOOD	AWD	SZ	DB.SO	M	W	M3	MF	GLLC	-	-	Usually found in association with Idamay and Kehol .
BROWNFIELD-AA	BFDaa	SZ	DB.SO	M	W	M4	MF	TILL	-	-	Developed on Readymade till. Home SCA is 4.
BROCKET	BKE	CH	R.DBC	M	N	F1	FI	GLLC	-	-	Used extensively in the Macleod area.
BROCKET-CO	BKEco	CH	R.DBC	S	N	F1	FI	GLLC	-	-	2-15% coarse fragments. Similar to Welling .
BROCKET-SA	BKEsa	CH	R.DBC	S	M	F1	FI	GLLC	-	-	
BROCKET-XP	BKExp	CH	R.DBC	M	N	L16	FI	GLLC	FI	SRFN	
BROCKET-XT	BKExt	CH	R.DBC	M	N	L15	FI	GLLC	FI	TILL	
CROWFOOT	CFT	CH	O.DBC	S	N	L5	ME	GLFL	VGVC	GLFL	Usually found in association with New Dayton .
CROWFOOT-CA	CFTca	CH	CA.DBC	V	N	L5	ME	GLFL	VGVC	GLFL	
CROWFOOT-CO	CFTco	CH	O.DBC	S	N	L4	MC	GLFL	VGVC	GLFL	
CROWFOOT-ZR	CFTzr	CH	R.DBC	S	N	L5	ME	GLFL	VGVC	GLFL	
CHOKIO	CIO	CH	CA.DBC	M	N	M3	MF	GLLC	-	-	Use with Lethbridge and Diamond .
CHOKIO-SA	CIOsa	CH	CA.DBC	M	M	M3	MF	GLLC	-	-	
CHOKIO-XP	CIOxp	CH	CA.DBC	M	N	L8	MF	GLLC	MF	SRFN	
COALDALE	CLD	CH	O.DBC	M	N	F1	FI	GLLC	-	-	
COALDALE-CA	CLDca	CH	CA.DBC	S	N	F1	FI	GLLC	-	-	Described in the Pincher Creek Report as a variant of Brocket, although Bmk horizon present.
COALDALE-SA	CLDsa	CH	O.DBC	M	M	F1	FI	GLLC	-	-	
COALDALE-XT	CLDxt	CH	O.DBC	M	N	L14	FI	GLLC	FI	TILL	
CARMANGAY	CMY	CH	O.DBC	M	N	L20	MC	GLFL	MF	GLLC	
CRADDUCK	CRD	CH	O.DBC	M	N	M4	MF	TILL	-	-	Developed on Cradduck till (moderately calcareous materials with relatively high silt content (40%)). Used south of the Lethbridge Moraine.
CRADDUCK-CA	CRDca	CH	CA.DBC	S	N	M4	MF	TILL	-	-	
CRADDUCK-SA	CRDsa	CH	O.DBC	M	M	M4	MF	TILL	-	-	
CRADDUCK-ST	CRDst	CH	O.DBC	M	N	M4	MF	TILL	-	-	
CRADDUCK-ZT	CRDzt	SZ	DB.SO	M	M	M4	MF	TILL	-	-	
DOLCY-AA	DCYaa	CH	O.DBC	M	N	L2	MC	GLFL	MF	TILL	Similar to Migra-aa which is used on the Milk River Ridge. Used in the Vulcan area. Home SCA is 4.
DISHPAN-AA	DHPaa	GL	R.G	N	S	M3	MF	LACU	-	-	Saline soils associated with depressional areas. Home SCA is 1. Replaced by Monarch-sa . Still used in AGRASID . Use with Lethbridge and Chokio .
DIAMOND	DIM	CH	R.DBC	M	N	M2	ME	GLLC	-	-	
DIAMOND-GL	DIMgl	CH	GLR.DBC	M	N	M2	ME	GLLC	-	-	
DIAMOND-SA	DIMsa	CH	R.DBC	M	M	M2	ME	GLLC	-	-	
DIAMOND-XT	DIMxt	CH	R.DBC	M	N	L3	ME	GLLC	ME	TILL	
EDGERTON-AA	ERTaa	RG	O.R	W	N	C2	VC	EOLI	-	-	Used in the Vulcan area. Home SCA is 4.
EXPANSE-AA	EXPaa	CH	CA.BC	M	N	M2	ME	GLLC	-	-	Home SCA is 1.
FLAGSTAFF-AA	FSTaa	CH	SZ.DBC	M	W	M4	MF	TILL	-	-	Equivalent to solonetzic Readymade . Home SCA is 4.
HOUCHER-AA	HCHaa	CH	R.DBC	M	N	C2	VC	FLEO	-	-	Home SCA is 4.
HALKIRK-AA	HKRaa	SZ	DB.SS	M	M	M4	MF	TILL	-	-	Developed on Readymade till. Home SCA is 4.
HEARTBREAK-AA	HRKaa	CH	O.DBC	M	N	C2	VC	GLFL	-	-	Home SCA is 2.
HUSSAR	HSR	GL	R.G	M	M	F1	FI	GLLC	-	-	Saline soils associated with depressional areas. Replaced Gleddies (SCA 1) in SCA 3.

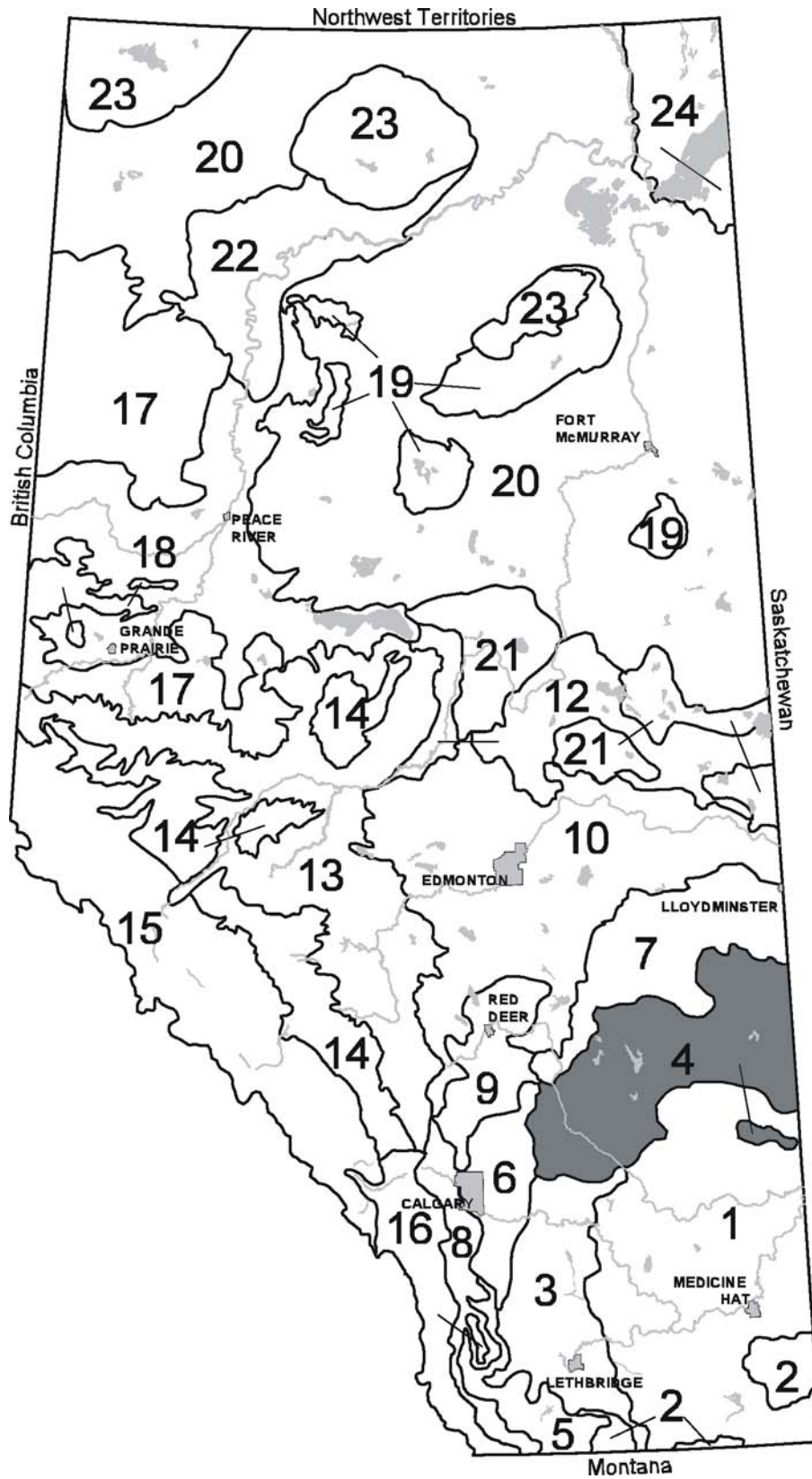
SCA 3 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
IDAMAY	IMY	SZ	DB.SZ	M	M	M3	MF	GLLC	-	-	Usually found in association with Kehol and Arrowwood .
JENSEN RESERVOIR	JSR	RG	CU.R	M	N	M3	MF	FLUV	-	-	Developed on recent fluvial sediments in stream valleys. Generally vSL to L textured materials.
KIRKCHAMP	KCH	CH	SZ.DBC	M	W	L10	MF	GLLC	VF	GLLC	Clay content of veneer varies from 20-35%. Usually found in association with Readymade .
KYISCAP	KCP	RG	O.R	M	M	M3	MF	GLLC	-	-	Usually associated with natural drainage systems. Often found in association with Solonetzic and gleyed soils.
KEHOL	KHO	SZ	DB.SS	M	M	M3	MF	GLLC	-	-	Usually found in association with Arrowwood and Idamay .
KEHOL-ER	KHOer	SZ	DB.SS	M	M	M3	MF	GLLC	-	-	
KEHOL-FI	KHOfi	SZ	DB.SS	M	M	F1	FI	GLLC	-	-	
KIRKCALDY	KRK	SZ	DB.SO	M	M	L3	ME	GLLC	MF	TILL	Equivalent to shallow (till at 31-99 cm) Arrowwood . Usually found in association with Lakesend .
KESSLER	KSR	CH	O.DBC	M	N	C3	MC	GLFL	-	-	
KESSLER-GL	KSRgl	CH	GL.DBC	M	N	C3	MC	GLFL	-	-	
KESSLER-GR	KSRgr	CH	O.DBC	M	N	C1	GRMC	GLFL	-	-	
KESSLER-ZR	KSRzr	CH	R.DBC	M	N	C3	MC	GLFL	-	-	
LETHBRIDGE	LET	CH	O.DBC	M	N	M2	ME	GLLC	-	-	Clay content 20-35%, thus moderately fine textures present within profile. Used with Chokio and Diamond .
LETHBRIDGE-GL	LETgl	CH	GL.DBC	M	N	M2	ME	GLLC	-	-	
LETHBRIDGE-SC	LETsc	CH	O.DBC	M	M	M2	ME	GLLC	-	-	C horizon is weakly to moderately saline/sodic.
LETHBRIDGE-XP	LETxp	CH	O.DBC	M	N	L8	ME	GLLC	MF	SRFN	
LILYDALE	LLD	CH	GL.DBC	M	M	M2	ME	FLUV	-	-	Saline soils associated with seepage areas. Changed drainage to I from MW and subgroup to gleyed from orthic, Sept 16/03. Similar to Lilybrown (SCA1).
LAKESEND	LSD	SZ	DB.SS	M	W	L3	MF	GLLC	MF	TILL	Equivalent to shallow (till at 31-99 cm) Kehol .
MACLEOD	MAC	CH	CA.DBC	V	N	C1	VGVC	GLFL	-	-	
MACLEOD-ZR	MACzr	CH	R.DBC	V	N	C1	VGVC	GLFL	-	-	Rego variant lacks Bmk horizon.
MCNAB-AA	MCNaa	RG	O.R	M	M	M2	ME	FLUV	-	-	Home SCA is 1.
MCNAB-AASA	MCNaasa	RG	O.R	M	M	M2	ME	FLUV	-	-	Home SCA is 1.
MIGRA-AA	MGRaa	CH	O.DBC	M	N	L2	MC	GLFL	MF	TILL	Similar to Dolcy-aa which is used in the Vulcan area. Used on the Milk River Ridge. Home SCA is 2.
MAGRATH	MGT	CH	O.DBC	M	N	F3	FI	GLLC	-	-	
MAGRATH-SA	MGTsa	CH	O.DBC	M	M	F3	FI	GLLC	-	-	
MOKOWAN-AA	MKNaa	RG	O.R	M	N	M5	ME	SRUN	-	-	Home SCA is 5.
MILK RIVER-AA	MKRaa	RG	CU.R	M	N	C3	MC	FLUV	-	-	Home SCA is 1.
MONARCH	MNH	GL	O.G	M	N	M2	ME	GLLC	-	-	Replaced Illingworth (SCA 1) in SCA 3.
MONARCH-CO	MNHco	GL	O.G	M	N	C3	MC	GLLC	-	-	
MONARCH-SA	MNHsa	GL	R.G	M	S	M2	ME	GLLC	-	-	Replaced Dishpan (SCA 1) in SCA 3.
NEW DAYTON	NED	CH	O.DBC	M	N	C1	VGVC	GLFL	-	-	
NINE MILE	NEM	CH	CA.DBC	M	N	M4	MF	TILL	-	-	Equivalent to calcareous Pulteney .
OASIS	OAS	CH	O.DBC	M	N	L18	ME	GLLC	MC	GLFL	
OASIS-CA	OASca	CH	CA.DBC	M	N	L18	MF	GLLC	MC	GLFL	
OLSEN	OSN	CH	CA.DBC	S	N	C3	MC	GLFL	-	-	

SCA 3 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
OLSEN-ZR	OSNzr	CH	R.DBC	V	N	C3	MC	GLFL	-	-	
PARR	PAR	SZ	DB.SS	M	M	M4	MF	TILL	-	-	Developed on Craddock till. Used in the Hand Hills and Blood Indian Reserve.
PAGENT	PGT	CH	SZ.DBC	M	W	L3	MF	GLLC	MF	TILL	
PULTENEY	PUY	CH	O.DBC	M	N	M4	MF	TILL	-	-	Developed on Pulteney till (moderately calcareous, non-saline till derived from non-marine Willow Creek Formation sandstones and pink bentonitic mudstones of Tertiary-Cretaceous age). Used east of the Porcupine Hills.
PULTENEY-XP	PUYxp	CH	O.DBC	M	N	L6	MF	TILL	MF	SRUN	
READYMADE	RDM	CH	O.DBC	M	N	M4	MF	TILL	-	-	Developed on Readymade till (moderately calcareous, weakly saline, equivalent to Maleb till (SCA 1)). Used north of the Lethbridge Moraine.
READYMADE-ST	RDMst	CH	O.DBC	M	N	M4	STMF	TILL	-	-	
READYMADE-ZR	RDMzr	CH	R.DBC	M	N	M4	MF	TILL	-	-	
SHAUGHNESSY	SGY	GL	R.HG	M	N	F1	FI	GLLC	-	-	Replaced Sloughay (SCA 1) in SCA 3.
SHAUGHNESSY-SA	SGYsa	GL	R.HG	M	M	F1	FI	GLLC	-	-	
SEXTON	SXT	RG	CU.HR	M	N	C3	MC	FLUV	-	-	Previously azonal, now confined to the Dark Brown soil zone.
SEXTON-CR	SXTcr	RG	CU.HR	M	N	C3	MC	FLUV	-	-	Most in SCA 3, might drop to SCA 2.
SEXTON-GL	SXTgl	RG	GLCU.HR	M	N	C3	MC	FLUV	-	-	
SEXTON-SA	SXTsa	RG	CU.HR	M	M	C3	MC	FLUV	-	-	
TORLEA-AA	TLAaa	SZ	DB.SS	W	W	L6	MF	TILL	MF	SRFS	Developed on shallow (variable-textured saline-sodic softrock at 31-99 cm) till. Used in the Vulcan area. Home SCA is 4.
VAN CLEEVE	VAC	CH	O.DBC	M	N	L6	MF	TILL	ME	SRUN	Developed on shallow (softrock at 31-99 cm) till.
VAN CLEEVE-CA	VACca	CH	CA.DBC	M	N	L6	MF	TILL	ME	SRUN	
VAN CLEEVE-ZR	VACzr	CH	R.DBC	M	N	L6	MF	TILL	ME	SRUN	
VERBURG	VEB	CH	R.DBC	M	N	M4	ME	TILL	-	-	Equivalent to rego Craddock . Used south of the Lethbridge Moraine.
WELLING	WLG	CH	R.DBC	M	N	F3	FI	GLTL	-	-	
WHITNEY	WNY	CH	O.DBC	M	N	L3	ME	GLLC	MF	TILL	Replaced shallow (till at 31-99 cm) Lethbridge . Clay content of upper veneer generally 20-35%.
WHITNEY-GL	WNYgl	CH	GL.DBC	M	N	L3	ME	GLLC	MF	TILL	
WHITNEY-SA	WNYsa	CH	O.DBC	M	M	L3	ME	GLLC	MF	TILL	
WHITNEY-ZR	WNYzr	CH	R.DBC	M	N	L3	ME	GLLC	MF	TILL	
WOLLIM	WOL	CH	R.DBC	M	N	L1	GRMF	GLFL	ME	TILL	Profile characteristically consists of a washed surface grading to till.
WESTON	WTN	RG	O.R	N	W	F1	FI	GLLC	-	-	Previously azonal but now confined to the Dark Brown soil zone (SCA 3).
WESTON-GL	WTNgl	RG	GL.R	N	W	F1	FI	GLLC	-	-	Previously azonal but now confined to the Dark Brown soil zone (SCA 3). Changed subgroup to GL.R to agree with profile description (mottles at 5 cm), June 29/05.
WESTON-SA	WTNsa	RG	O.R	W	M	F1	FI	GLLC	-	-	
WAINWRIGHT-AA	WWTaa	CH	O.DBC	M	N	C2	VC	FLEO	-	-	Home SCA is 4.

SCA 4 Dark Brown Soil Zone of East-Central Alberta



SCA 4

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
ALTARIO	ALT	CH	R.DBC	M	N	M4	ME	TILL	-	-	Equivalent to rego Kirriemuir .
ALTARIO-SC	ALTsc	CH	R.DBC	M	W	M4	ME	TILL	-	-	Lower C horizon is weakly to moderately saline.
ARROWWOOD-AA	AWDaa	SZ	DB.SO	M	W	M3	MF	GLLC	-	-	Home SCA is 3.
BROWNFIELD	BFD	SZ	DB.SO	M	W	M4	MF	TILL	-	-	Developed on Hughenden till.
BROWNFIELD-ER	BFDer	SZ	DB.SO	M	W	M4	MF	TILL	-	-	
BIGKNIFE	BKF	RG	O.R	W	M	M2	ME	FLUV	-	-	Previously azonal (Dark Brown and Black soil zones in the Counties of Flagstaff and Paintearth), but now confined to the Dark Brown zone. Associated with fluvial fans and aprons within river valleys. Replaced Lethbridge (SCA 3) in SCA 4.
CORONATION	CNN	CH	O.DBC	M	N	M3	ME	GLLC	-	-	
CORONATION-CA	CNNca	CH	CA.DBC	M	N	M3	ME	GLLC	-	-	
CORONATION-GL	CNNgl	CH	GL.DBC	M	N	M3	ME	GLLC	-	-	
CURRENT_LAKE	CUR	SZ	DB.SS	M	M	M3	MF	GLLC	-	-	Equivalent to Kehol (SCA 3).
DOLCY	DCY	CH	O.DBC	M	N	L2	MC	GLFL	MF	TILL	Replaced shallow (till at 31-99 cm) Metiskow .
DOLCY-GL	DCYgl	CH	GL.DBC	M	N	L2	ME	GLFL	MF	TILL	
DOLCY-SC	DCYsc	CH	O.DBC	M	M	L2	MC	GLFL	MF	TILL	Till is weakly to moderately saline.
DELIA	DLA	CH	O.DBC	M	N	L6	MF	TILL	MF	SRFS	Developed on shallow (softrock at 31-99 cm) till. Equivalent to Van Cleeve (SCA 3).
DRUMHELLER	DMH	VE	O.HV	W	N	F2	VF	GLLC	-	-	Confined to Drumheller Basin. Exhibits Vertic properties with horizons difficult to distinguish in the field due to vertoturbation. Sept. 1996 changed classification to O.HV (Orthic Humic Vertisol).
DRUMHELLER-ZZ	DMHzz	CH	V.DBC	W	N	F1	FI	GLLC	-	-	Confined to Drumheller basin. Slickensides present but not vertoturbated.
DRUMHELLER-ZZXT	DMHzzxt	CH	O.DBC	W	N	L14	FI	GLLC	FI	TILL	Classified as a Chernozem - presence of till at depth limits the development of slickenside features.
EDGERTON	ERT	RG	O.R	W	N	C2	VC	EOLI	-	-	
FORESTBURG	FBG	GL	O.HG	W	W	M5	MF	SRFS	-	-	Usually found in association with Torlea .
FLEET	FLT	GL	O.HG	W	M	M3	MF	GLLC	-	-	Replaced Sloughay (SCA 1) in SCA 4.
FOREMAN-AA	FMNaa	GL	SZ.HG	W	M	M4	MF	TILL	-	-	Home SCA is 7.
FENNER	FNR	SZ	DB.SS	M	M	L2	VC	FLEO	MF	TILL	
FLAGSTAFF	FST	CH	SZ.DBC	M	W	M4	MF	TILL	-	-	Equivalent to solonchic Hughenden . If Ae horizon absent and B horizon encountered at <20 cm, use Onnevue .
FLAGSTAFF-ST	FSTst	CH	SZ.DBC	M	W	M4	MF	TILL	-	-	
GOUGH LAKE	GLK	GL	R.G	M	S	F1	FI	GLLC	-	-	Saline soils associated with depressional areas. Replaced Gleddies (SCA 1) in SCA 4.
HANALTA	HAN	CH	O.BLC	M	N	M4	MF	TILL	-	-	Developed on Hughenden till. Confined to the Hand Hills.
HANALTA-GL	HANgl	CH	GL.BLC	M	N	M4	MF	TILL	-	-	
HANALTA-ST	HANst	CH	O.BLC	M	N	M6	STMF	TILL	-	-	
HANALTA-XP	HANxp	CH	O.BLC	M	N	L6	MF	TILL	MF	SRUN	
HANALTA-ZR	HANzr	CH	R.BLC	M	N	M4	MF	TILL	-	-	
HOUCHER	HCH	CH	R.DBC	M	N	C2	VC	FLEO	-	-	Use with Wainwright and Edgerton .
HALKIRK	HKR	SZ	DB.SS	M	M	M4	MF	TILL	-	-	Developed on Hughenden till.
HALKIRK-ER	HKRer	SZ	DB.SS	M	M	M4	MF	TILL	-	-	
HALKIRK-ST	HKRst	SZ	DB.SS	M	M	M4	MF	TILL	-	-	
HALKIRK-XP	HKRxp	SZ	DB.SS	M	M	L6	MF	TILL	MF	SRFS	Saline and/or sodic softrock within 1m

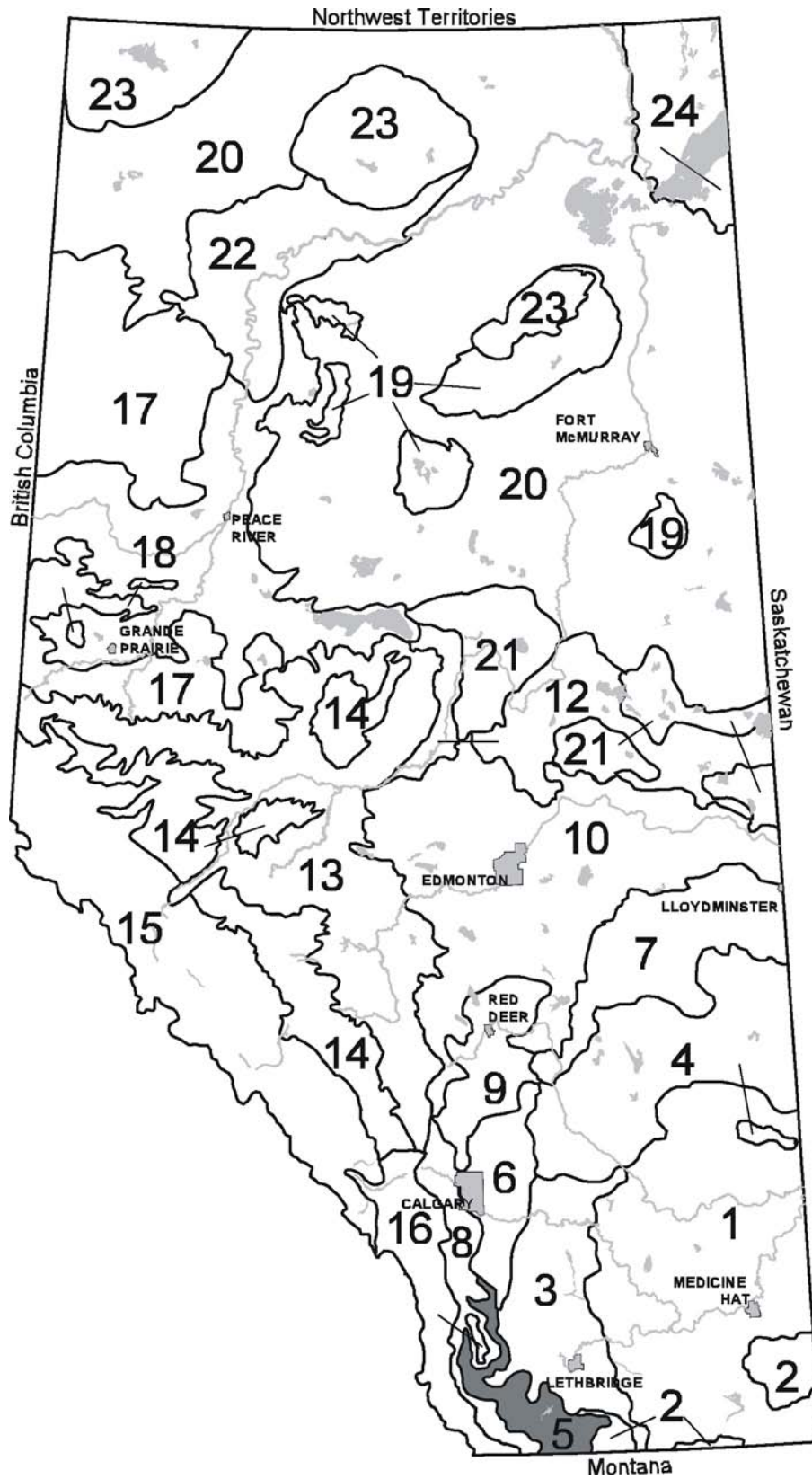
SCA 4 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
HALKIRK-XP	HKRxp	SZ	DB.SS	M	M	L6	MF	TILL	MF	SRFS	Saline and/or sodic softrock within 1m
HUGHENDEN	HND	CH	O.DBC	M	N	M4	MF	TILL	-	-	Developed on Hughenden till (moderately fine textured, moderately calcareous, non to weakly saline - equivalent to Maleb till in SCA 1).
HUGHENDEN-SC	HNDsc	CH	O.DBC	M	W	M4	MF	TILL	-	-	C horizon is weakly to moderately saline.
HUGHENDEN-ST	HNDst	CH	O.DBC	M	N	M4	MF	TILL	-	-	
HUGHENDEN-XP	HNDxp	CH	O.DBC	M	N	L6	MF	TILL	MF	SRUN	
KYISCAP-AA	KCPaa	RG	O.R	M	M	M3	MF	GLLC	-	-	Usually associated with natural drainage systems. Home SCA is 3.
KIRKCALDY-AA	KRKaa	SZ	DB.SO	M	M	L3	ME	GLLC	MF	TILL	Home SCA is 3.
KIRRIEMUIR	KUR	CH	O.DBC	M	N	M4	ME	TILL	-	-	Developed on Kirriemuir till (washed and sorted version of Hughenden till).
KIRRIEMUIR-ST	KURst	CH	O.DBC	M	N	M4	ME	TILL	-	-	
LANFINE	LFE	CH	E.DBC	M	N	M4	MF	TILL	-	-	Equivalent to eluviated Hughenden .
LANFINE-ST	LFEst	CH	E.DBC	M	N	M4	MF	TILL	-	-	
LEITHEAD	LHD	SZ	DB.SS	M	M	C3	MC	GLFL	-	-	
LAKESEND-AA	LSDaa	SZ	DB.SS	M	W	L3	MF	GLLC	MF	TILL	Home SCA is 3.
METISKO	MET	CH	O.DBC	M	N	C3	MC	GLFL	-	-	
METISKO-SC	METsc	CH	O.DBC	M	W	C3	MC	GLFL	-	-	C horizon is weakly to moderately saline.
MICHICHI	MIC	SZ	DB.SO	M	W	F1	FI	GLLC	-	-	Usually found in associated with Drumheller soils, around the edge of the Drumheller basin. Lighter texture than Drumheller with underlying till influencing the texture of the GLLC material.
MONITOR	MTR	CH	R.DBC	M	N	M2	ME	GLLC	-	-	Replaced Diamond (SCA 3) in SCA 4.
NEUTRAL	NUT	CH	R.DBC	M	N	M4	MF	TILL	-	-	Equivalent to rego Hughenden . May include calcareous soils in cultivated landscapes.
NEUTRAL-ST	NUTst	CH	R.DBC	M	N	M4	MF	TILL	-	-	
NEUTRAL-XP	NUTxp	CH	R.DBC	M	N	L6	MF	TILL	MF	SRUN	
ONNEVUE	OVE	CH	SZ.DBC	M	W	M4	MF	TILL	-	-	Equivalent to solonetzic Hughenden . If Ae horizon present use Flagstaff .
PROVOST	PRO	CH	O.DBC	M	N	L3	ME	GLLC	MF	TILL	Equivalent to Whitney (SCA 3). Clay content of veneer varies from 20-35%.
PROVOST-CA	PROca	CH	CA.DBC	M	N	L3	ME	GLLC	MF	TILL	
PAINTEARTH	PTE	CH	O.DBC	N	N	M5	MF	SRFN	-	-	Soil developed on non-sodic red shale.
RIBSTONE	RIB	CH	O.DBC	M	N	L2	VC	FLEO	MF	TILL	Replaced shallow (till at 31-99 cm) Wainwright .
SCOLLARD	SCD	CH	O.DBC	M	N	C1	GRVC	GLFL	-	-	
SHEERNESS	SHR	SZ	DB.SZ	M	M	M4	MF	TILL	-	-	Developed on Hughenden till. Till is 1-3 m thick over marine softrock and is saline-sodic.
SULLIVAN LAKE	SUL	SZ	DB.SS	M	M	L2	MC	GLFL	MF	TILL	The Bnt horizon is developed in till that contains local bedrock fragments. Bedrock may be within 5 m of the surface.
THUMB	THB	CH	O.BLC	M	N	M3	MF	EOLI	-	-	Similar to Thelma soils on the Cypress Hills.
THRONE	THR	GL	R.G	M	N	M2	ME	GLLC	-	-	Replaced Illingworth (SCA 1) in SCA 4.
THRONE-SA	THRsa	GL	R.G	M	M	M2	ME	GLLC	-	-	Replaced Dishpan (SCA 1) in SCA 4.
TORLEA	TLA	SZ	DB.SS	W	W	L6	MF	TILL	MF	SRFS	Developed on shallow (variable-textured saline-sodic softrock at 31-99 cm) till.
TORLEA-ER	TLAer	SZ	DB.SS	W	W	L6	MF	TILL	MF	SRFS	

SCA 4 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
TORLEA-ST	TLAst	SZ	DB.SS	W	W	L6	MF	TILL	MF	SRFS	
VICTOR	VTR	SZ	DB.SZ	M	W	M3	MF	GLLC	-	-	
WIESE	WES	SZ	DB.SS	M	W	F1	FI	GLLC	-	-	
WIESE-XT	WESxt	SZ	DB.SS	M	W	L14	FI	GLLC	MF	TILL	Weakly saline parent materials.
WAINWRIGHT	WWT	CH	O.DBC	M	N	C2	VC	FLEO	-	-	

SCA 5 Thin Black Soil Zone of South-Western Alberta



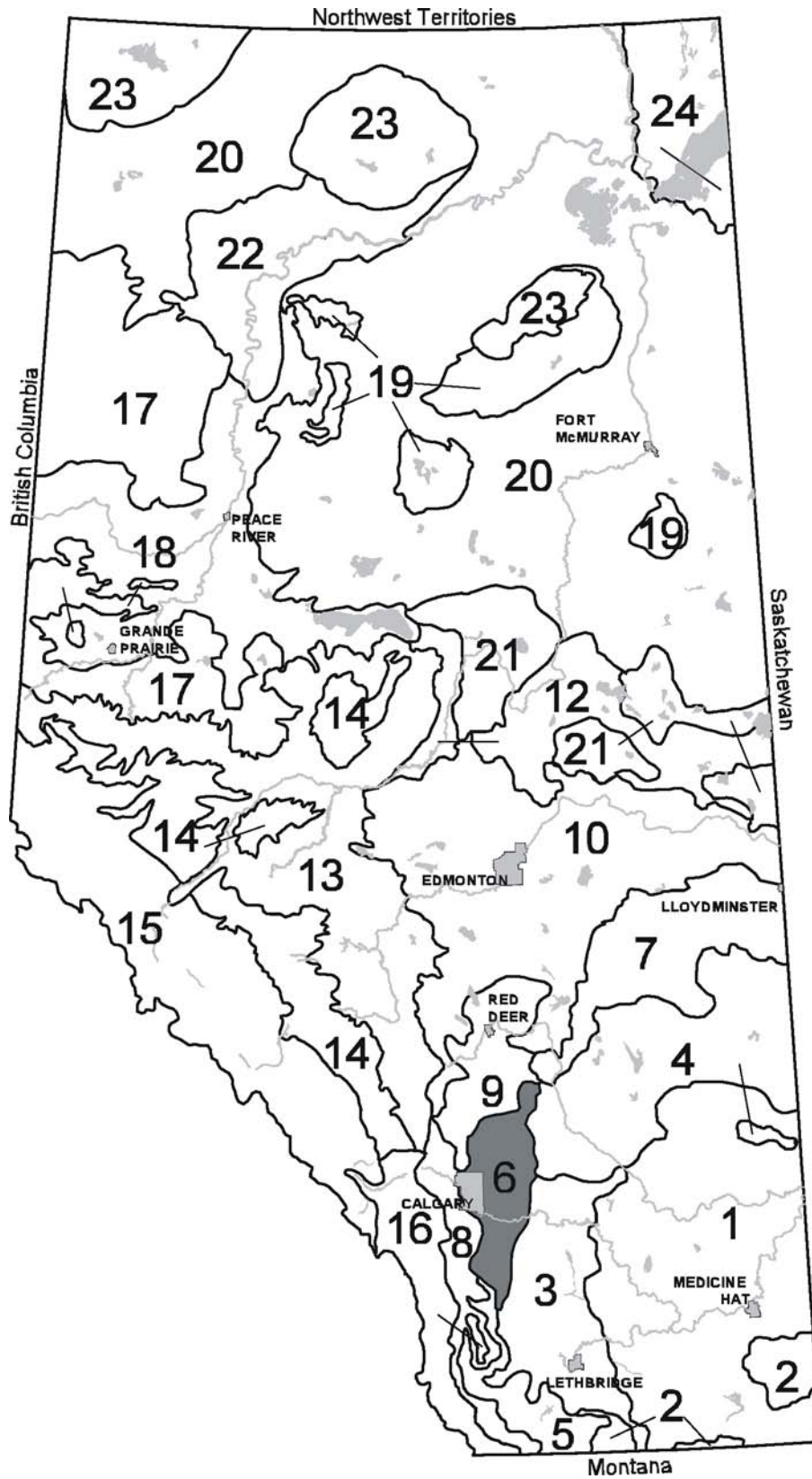
SCA 5

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
BLACKFOOT	BFT	CH	O.BLC	M	N	L5	ME	FLUV	VGVC	GLFL	The Black soil zone equivalent of Crowfoot (SCA 3).
BLACKFOOT-ZR	BFTzr	CH	R.BLC	M	N	L5	ME	FLUV	VGVC	GLFL	
BULLHORN	BUL	CH	SZ.BLC	M	W	M3	MF	GLLC	-	-	Previously classified as E.BLC on the Blood Indian Reserve. Changed to SZ.BLC in 1993.
BEAZER	BZR	CH	O.BLC	M	N	M4	MF	TILL	-	-	Developed on Beazer till (moderately to strongly calcareous, non-saline Continental till developed from Tertiary bedrock).
BEAZER-CA	BZRca	CH	CA.BLC	M	N	M4	MF	TILL	-	-	
BEAZER-GL	BZRgl	CH	GL.BLC	M	N	M4	MF	TILL	-	-	
BEAZER-SA	BZRsa	CH	O.BLC	M	W	M4	MF	TILL	-	-	
BEAZER-ST	BZRst	CH	O.BLC	M	N	M4	MF	TILL	-	-	
BEAZER-TA	BZRta	CH	O.BLC	M	N	M4	MF	TILL	-	-	
BEAZER-YL	BZRYl	CH	O.BLC	M	N	L6	MF	TILL	-	BRUN	
CROWLODGE	CGE	SZ	BL.SO	M	M	F1	FI	GLLC	-	-	Use with Peigan and Cardston .
CARDSTON	CTN	CH	O.BLC	M	N	F3	FI	GLLC	-	-	Differentiated from the Pincher soil by the presence of stones and other till indicators in the GLLC material.
CARDSTON-SA	CTNsa	CH	O.BLC	M	W	F3	FI	GLLC	-	-	
CARDSTON-XP	CTNxp	CH	O.BLC	M	N	L16	FI	GLLC	FI	SRUN	
CARDSTON-ZT	CTNzt	CH	SZ.BLC	M	N	F3	FI	GLLC	-	-	
COWLEY	CWY	CH	CA.BLC	M	N	F3	FI	GLLC	-	-	Use with Cardson .
COWLEY-SA	CWYsa	CH	CA.BLC	M	W	F3	FI	GLLC	-	-	
COWLEY-ZR	CWYzr	CH	R.BLC	M	N	F3	FI	GLLC	-	-	
DEL BONITA	DLB	CH	O.BLC	S	N	M2	ME	EOLI	-	-	Parent material is cryoturbated loess, thus 5-10% coarse fragments within profile.
HILLMER	HLM	CH	O.BLC	S	N	M2	ME	FLUV	-	-	Mapped on the breaks of slopes on the Del Bonita Plateau.
HILLMER-GR	HLMgr	CH	O.BLC	M	N	M1	GRME	FLUV	-	-	
JOANTO	JAT	GL	R.HG	M	N	F1	FI	LACU	-	-	
JOANTO-SA	JATsa	GL	R.HG	M	W	F1	FI	LACU	-	-	
KLEMENGURT	KGT	SZ	BL.SZ	M	M	F1	FI	GLLC	-	-	
KLEMENGURT-SA	KGTsa	SZ	BL.SZ	M	M	F1	FI	GLLC	-	-	
KNIGHT	KNT	CH	O.BLC	M	N	C3	MC	GLFL	-	-	Coarse fragment content usually 0-10%.
KNIGHT-CO	KNTco	CH	O.BLC	M	N	C1	MC	GLFL	-	-	Coarse fragment content >20%.
KNIGHT-ZR	KNTzr	CH	R.BLC	M	N	C3	MC	GLFL	-	-	
LONELY VALLEY	LVY	CH	O.BLC	M	N	C3	MC	GLFL	-	-	Associated with fans and terraces in valleys on the Milk River Ridge.
MAMI	MAM	SZ	BL.SZ	M	M	M4	MF	TILL	-	-	Developed on Beazer till.
MAMI-ER	MAMer	SZ	BL.SZ	M	M	M4	MF	TILL	-	-	
MOKOWAN	MKN	RG	O.R	M	N	M5	ME	SRUN	-	-	
NORTH FORK	NFK	BR	O.EB	W	N	L6	ME	TILL	-	BRUN	Developed on shallow (softrock at 31-99 cm) Beazer till.
NINASTOKO	NNK	SZ	BL.SS	M	W	M4	MF	TILL	-	-	Developed on Beazer till.
OLDMAN	ODM	CH	R.BLC	S	N	M3	ME	GLLC	-	-	
OCKEY	OKY	CH	O.BLC	M	N	L6	ME	TILL	MF	SRUN	Developed on shallow (softrock at 31-99 cm) Beazer till.
OCKEY-GR	OKYgr	CH	O.BLC	M	N	L6	GRME	TILL	MF	SRUN	
OCKEY-XL	OKYxl	CH	O.BLC	M	N	L6	ME	TILL	-	BRUN	

SCA 5 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
OCKEY-ZR	OKYzr	CH	R.BLC	M	N	L6	ME	TILL	MF	SRUN	
OWENDALE	OWD	CH	O.BLC	M	N	M5	ME	SRUN	-	-	Confined to the western side of the Del Bonita Plateau.
OWENDALE-ZR	OWDzr	CH	R.BLC	M	N	M5	ME	SRUN	-	-	
OXLEY	OXY	SZ	BL.SZ	W	W	M5	ME	SRUN	-	-	
PEIGAN	PGN	SZ	BL.SS	W	M	F1	FI	GLLC	-	-	Use with Cardston and Crowlodge .
PINCHER	PNR	CH	O.BLC	M	N	F1	FI	GLLC	-	-	Differs from Cardston soils due to the absence of stones (<2% coarse fragments).
PARSONS	PSO	CH	R.BLC	M	N	M4	MF	TILL	-	-	Equivalent to rego Beazer .
PARSONS-ST	PSOst	CH	R.BLC	M	N	M4	STMF	TILL	-	-	
ROCKFORD	RFD	CH	O.BLC	M	N	M1	GRME	GLFL	-	-	Ice contact material. Coarse fragment content highly variable.
RINARD	RND	CH	O.BLC	M	N	C1	GRVC	GLFL	-	-	
RINARD-CA	RNDca	CH	CA.BLC	M	N	C1	GRVC	GLFL	-	-	
SAKALO	SAK	CH	O.BLC	M	N	L18	ME	GLLC	VC	GLFL	
SAKALO-ZR	SAKzr	CH	R.BLC	M	N	L18	ME	GLLC	VC	GLFL	
SHANDOR	SND	CH	O.BLC	M	N	F1	FI	FLUV	-	-	Parent material is slopewash derived from shale bedrock.
SHANDOR-ZR	SNDzr	CH	R.BLC	M	N	F1	FI	FLUV	-	-	
STANDOFF	SOF	CH	O.BLC	M	N	M3	MF	GLLC	-	-	
STANDOFF-CA	SOFca	CH	CA.BLC	M	N	M3	MF	GLLC	-	-	
STANDOFF-SA	SOFsa	CH	O.BLC	M	N	M3	MF	GLLC	-	-	
STANDOFF-XT	SOFxt	CH	O.BLC	M	N	L3	MF	GLLC	MF	TILL	
WOLLIM-AA	WOLaa	CH	R.DBC	M	N	L1	GRMF	GLFL	ME	TILL	Home SCA is 3.

SCA 6 Thin Black Soil Zone of South-Central Alberta



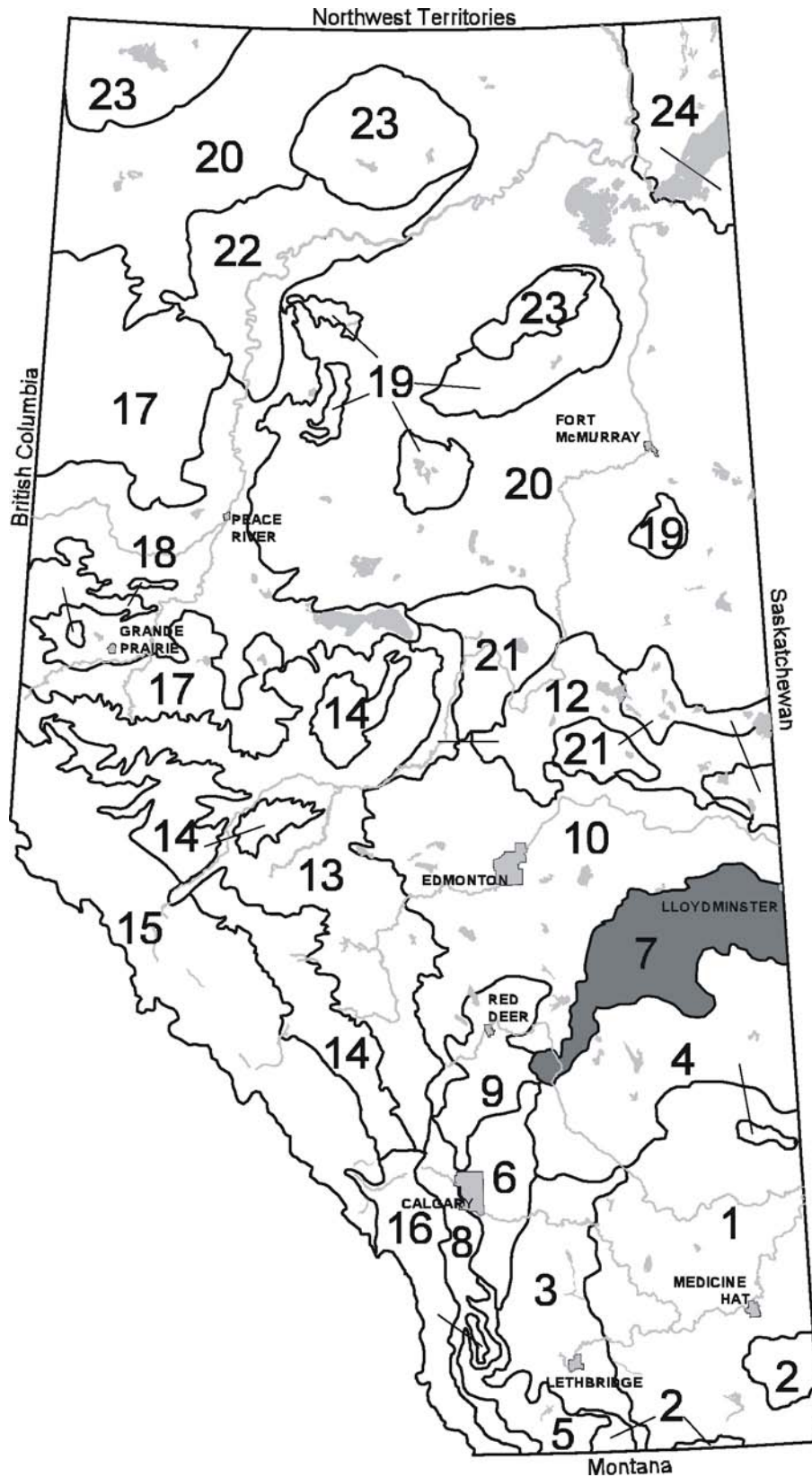
SCA 6

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
ACADEMY	ADY	CH	O.BLC	S	N	M4	MF	TILL	-	-	Developed on Academy till (strongly calcareous Cordilleran till). The Ah horizon is 10-15 cm thick and lime occurs within 50 cm of surface.
ACADEMY-GL	ADYgl	CH	GL.BLC	S	N	M4	MF	TILL	-	-	
ACADEMY-SA	ADYsa	CH	O.BLC	S	W	M4	MF	TILL	-	-	
ACADEMY-XP	ADYxp	CH	O.BLC	S	N	L6	MF	TILL	MF	SRUN	
ARDENODE	ARE	CH	O.BLC	M	M	C2	VC	GLFL	-	-	
BEDDINGTON	BED	SZ	BL.SS	M	M	M4	MF	TILL	-	-	Developed on Delacour till.
BOW VALLEY	BOV	CH	O.BLC	S	N	C1	VGVC	GLFL	-	-	May have a stone-free fluvial veneer (<30 cm) overlying gravel. Often mapped in association with Rosebud .
BOW VALLEY-ZR	BOVzr	CH	R.BLC	S	N	C1	VGVC	GLFL	-	-	
BALZAC	BZC	GL	R.HG	S	S	L14	FI	LACU	MF	TILL	Saline soil associated with depressional areas.
DELACOUR	DEL	CH	O.BLC	M	N	M4	MF	TILL	-	-	Developed on Delacour till (moderately calcareous Continental till). Often mapped in association with Rockyview .
DELACOUR-GL	DELgl	CH	GL.BLC	M	N	M4	MF	TILL	-	-	
DELACOUR-ST	DELst	CH	O.BLC	M	N	M4	STMF	TILL	-	-	
DEWINTON	DWT	GL	R.HG	M	N	L14	FI	GLLC	MF	TILL	
DEWINTON-PT	DWTpt	GL	R.HG	M	N	L14	FI	GLLC	MF	TILL	
DEWINTON-XP	DWTxp	GL	R.HG	M	N	L6	FI	GLLC	MF	TILL	
EAST BOW	EBO	CH	R.BLC	S	N	L3	ME	GLLC	MF	TILL	
GAYFORD	GAY	GL	O.HG	M	W	C3	MC	GLFL	-	-	
HATFIELD-AA	HFDaa	CH	O.BLC	M	N	L6	ME	TILL	ME	SRUN	Developed on shallow (softrock at 31-99 cm) till. New name created Nov. '96 to replace Ockey (SCA 5) in SCA 6. Home SCA is 8.
HIGHWOOD	HIW	CH	R.BLC	S	N	C2	VC	GLFL	-	-	
HAPPY VALLEY	HPV	CH	R.BLC	S	N	L2	MC	GLFL	MF	TILL	
HAPPY VALLEY-GR	HPVgr	CH	R.BLC	S	N	L1	GRMC	GLFL	MF	TILL	
HAPPY VALLEY-XL	HPVxl	CH	R.BLC	S	N	L7	MC	GLFL	-	BRUN	
INDUS	IND	GL	HU.LG	M	N	M4	MF	TILL	-	-	May have veneer (<30 cm) of slope-wash material.
INDUS-SA	INDsa	GL	HU.LG	M	M	M4	MF	TILL	-	-	
KEOMA	KEO	SZ	GLBL.SS	M	M	L3	MF	GLFL	MF	TILL	
KEOMA-CO	KEOco	SZ	GLBL.SS	M	M	L3	ME	GLFL	MF	TILL	
KATHYRN	KYN	CH	GL.BLC	M	N	L3	MF	GLFL	MF	TILL	
KATHYRN-CO	KYNco	CH	GL.BLC	M	N	L3	ME	GLFL	MF	TILL	
LYALTA	LTA	CH	O.BLC	M	N	M3	MF	GLLC	-	-	Texture of parent material is variable. Clay content 20-35%.
LYALTA-CR	LTAcr	CH	O.BLC	M	N	M2	MF	GLLC	-	-	
LYALTA-GL	LTAgl	CH	GL.BLC	M	N	M3	MF	GLLC	-	-	
LYALTA-SA	LTAasa	CH	O.BLC	M	M	M3	MF	GLLC	-	-	
MIDNAPORE	MDP	CH	O.BLC	S	N	C3	MC	GLFL	-	-	
MIDNAPORE-SA	MDPsa	CH	O.BLC	S	M	C3	MC	GLFL	-	-	
MIDNAPORE-XP	MDPxp	CH	O.BLC	S	N	L7	MC	GLFL	MF	SRFN	
MIDNAPORE-XT	MDPxt	CH	O.BLC	S	N	L2	MC	GLFL	MF	TILL	
NOSE CREEK-AA	NSKaa	CH	R.BLC	S	M	M4	MF	TILL	-	-	Associated with "scoured" landforms, bedrock generally present within 1.5-2 m of the surface. Home SCA is 9.

SCA 6 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
ROCKYVIEW	RKV	CH	O.BLC	S	N	L3	ME	GLLC	MF	TILL	Texture of the veneer is variable. Clay content 20-35%. Often mapped in association with Delacour .
ROSEBUD	RSB	CH	O.BLC	S	N	L5	MF	GLFL	VGVC	GLFL	
SAKALO-AA	SAKaa	CH	O.BLC	M	N	L18	ME	GLLC	VC	GLFL	Home SCA is 5.
THREE HILLS	THH	CH	O.BLC	W	N	F2	VF	GLLC	-	-	
THREE HILLS-GL	THHgl	CH	GL.BLC	W	N	F2	VF	GLLC	-	-	
TWINING	TWG	CH	SZ.BLC	M	W	F1	FI	GLLC	-	-	

SCA 7 Thin Black Soil Zone of East-Central Alberta



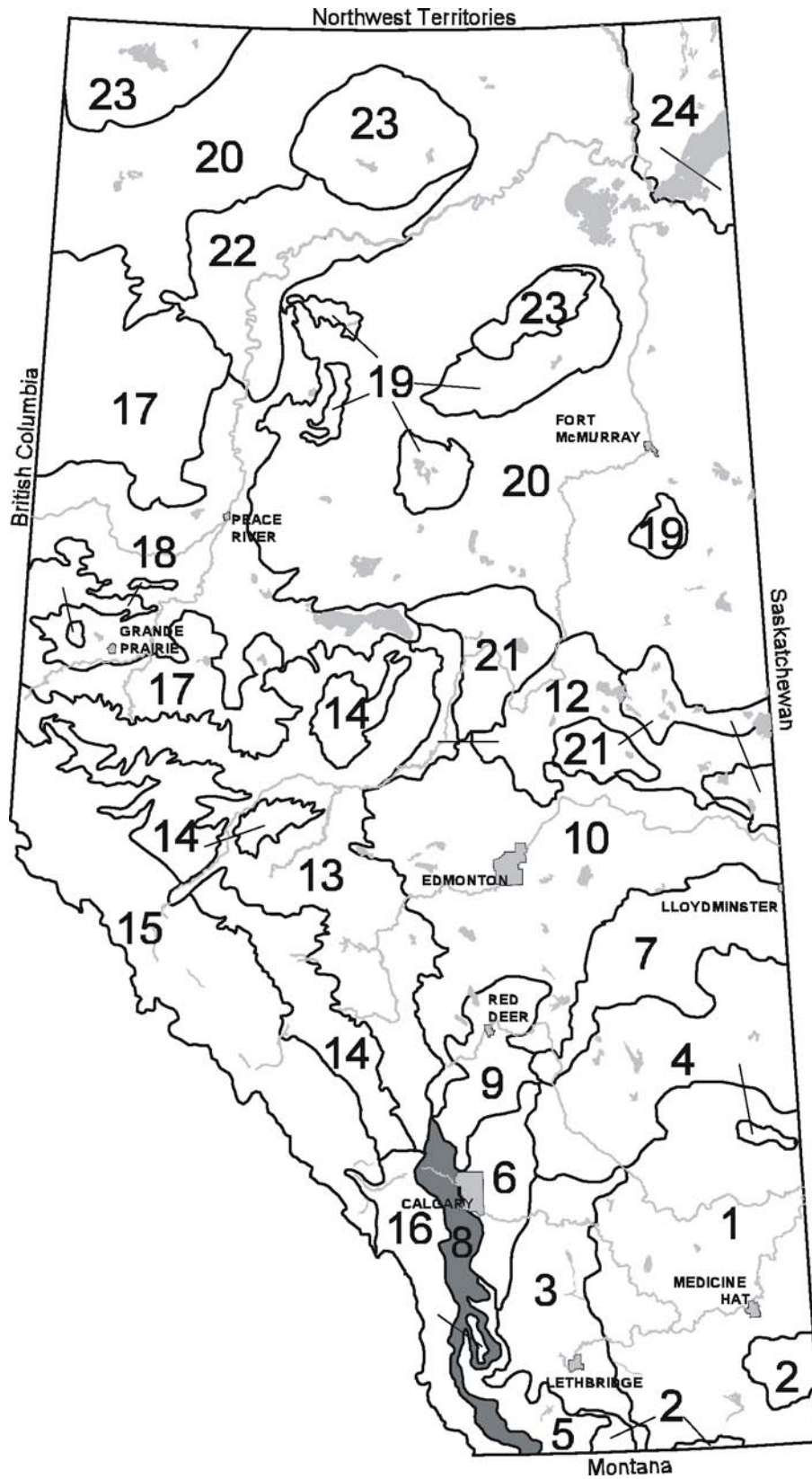
SCA 7

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
ALLIANCE	ACE	CH	O.BLC	M	N	L3	ME	GLLC	MF	TILL	Equivalent to thin black Hobbema (SCA 10).
AMITY	AMT	CH	O.BLC	W	N	L18	ME	GLFL	MC	GLFL	Often mapped in association with Irma .
BELLSHILL	BEL	CH	O.BLC	W	N	M2	ME	GLFL	-	-	Equivalent to black Coronation (SCA 4).
BLAINE LAKE	BLL	CH	O.BLC	M	N	M3	MF	GLLC	-	-	Soil name from Saskatchewan.
BOTHA	BTH	SZ	BL.SO	M	W	F1	FI	GLLC	-	-	Ah horizon usually <15 cm. Use with Gadsby .
CORDEL	COR	GL	HU.LG	M	N	M4	MF	TILL	-	-	
CAMP LAKE	CPL	CH	O.BLC	W	N	C2	VC	GLFL	-	-	Coarse fragment content (10-35% gravel) distinguishes this soil from Redwillow and Kinsella .
CAMP LAKE-XT	CPLxt	CH	O.BLC	W	N	L2	VC	GLFL	MF	TILL	
DESJARLAIS-AA	DSJaa	GL	O.HG	M	W	C3	MC	GLFL	-	-	Home SCA is 10.
DAYS LAND	DYD	SZ	BL.SO	M	W	M4	MF	TILL	-	-	Developed on Elnora till.
DAYS LAND-GL	DYDgl	SZ	GLBL.SO	M	W	M4	MF	TILL	-	-	
ELNORA	EOR	CH	O.BLC	M	N	M4	MF	TILL	-	-	Developed on Elnora till (equivalent to Hughenden till (SCA 4) and Edmonton till (SCA 10)).
ELNORA-ER	EORer	CH	O.BLC	M	N	M4	MF	TILL	-	-	ER variant associated with presence of S2 surface stones.
ELNORA-GL	EORgl	CH	GL.BLC	M	N	M4	MF	TILL	-	-	
ELNORA-SA	EORsa	CH	O.BLC	M	M	M4	MF	TILL	-	-	
ELNORA-SC	EORsc	CH	O.BLC	M	M	M4	MF	TILL	-	-	C horizon is weakly to moderately saline/sodic.
FLEET-AA	FLTaa	GL	O.HG	W	M	M3	MF	GLLC	-	-	Replaced Sloughay (SCA 1) in SCA 7. Home SCA is 4.
FOREMAN	FMN	GL	SZ.HG	W	M	M4	MF	TILL	-	-	
GADSBY	GDB	SZ	BL.SS	M	M	F1	FI	GLLC	-	-	Equivalent to thin black Wetaskiwin (SCA 10).
GADSBY-GL	GDBgl	SZ	GLBL.SS	M	M	F1	FI	GLLC	-	-	
GALAHAD	GLD	RG	GL.HR	M	N	M2	ME	FLUV	-	-	Associated with recent fluvial materials. Profiles often cumelic.
HEISLER	HER	CH	SZ.BLC	M	W	M4	MF	TILL	-	-	Equivalent to solonetzic Elnora .
HAIGHT-AA	HGTaa	GL	O.HG	M	N	F1	FI	GLLC	-	-	Home SCA is 10.
HAIRY HILL-AA	HYLaa	GL	R.HG	M	M	M4	MF	TILL	-	-	Home SCA is 10.
IRMA	IRM	CH	O.BLC	M	N	C3	MC	GLFL	-	-	Often mapped in association with Rosebank and Amity .
IRMA-CR	IRMcr	CH	CA.BLC	M	N	C3	MC	GLFL	-	-	
IRMA-GL	IRMgl	CH	GL.BLC	M	N	C3	MC	GLFL	-	-	
KILLAM	KLM	SZ	BL.SS	M	M	M4	MF	TILL	-	-	Developed on Elnora till.
KILLAM-GL	KLMgl	SZ	GLBL.SS	M	M	M4	MF	TILL	-	-	
KINSELLA	KNA	CH	O.BLC	W	N	C1	VGVC	GLFL	-	-	Equivalent to thin black Ferintosh (SCA 10). Coarse fragment content (30-50%) distinguished this soil from Redwillow and Camp Lake .
KAPONA	KPO	SZ	BL.SO	M	W	L3	ME	GLLC	MF	TILL	Often mapped in association with Daysland .
KITSCOTY	KTY	CH	E.BLC	W	N	F4	FI	TILL	-	-	Associated with ice-thrust moraines. The fine texture of the material is due to the incorporation of shale bedrock. Equivalent to Slawa (SCA 10).
LOUGHEED	LOG	SZ	BL.SZ	M	M	M4	MF	TILL	-	-	Developed on Elnora till. Replaced Whitford (SCA 10) in SCA 7.
REDWILLOW	RED	CH	O.BLC	W	N	C2	VC	GLFL	-	-	Replaced loamy sand textured Irma in SCA 7. Absence of coarse fragments distinguished this soil from Camp Lake and Kinsella .
ROSEBANK	ROS	CH	O.BLC	W	N	L2	MC	GLFL	MF	TILL	Equivalent to shallow (till at 31-99 cm) Irma .

SCA 7 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
ROSEBANK-SA	ROSsa	CH	O.BLC	M	M	L2	MC	GLFL	MF	TILL	
SEDGEWICK	SDG	SZ	BL.SZ	M	M	F1	FI	GLLC	-	-	Replaced thin black Duagh (SCA 10) in SCA 7.
SEDGEWICK-GL	SDGgl	SZ	GLBL.SZ	M	M	F1	FI	GLLC	-	-	
SHONTS	SHS	SZ	BL.SS	W	W	L6	MF	TILL	MF	SRFS	Equivalent to thin black Torlea (SCA 4). Till and residual boundary is gradual and may be difficult to distinguish from the weathered reworked bedrock. Till accounts for the erratics on the surface and within the profile.
THOMAS LAKE	TOA	CH	O.BLC	M	N	F1	FI	GLLC	-	-	Often associated with GLLC plateaus within morainal landscapes.
THOMAS LAKE-XT	TOAxt	CH	O.BLC	M	N	L14	FI	GLLC	MF	TILL	

SCA 8
Thick Black Soil Zone of South-Western Alberta



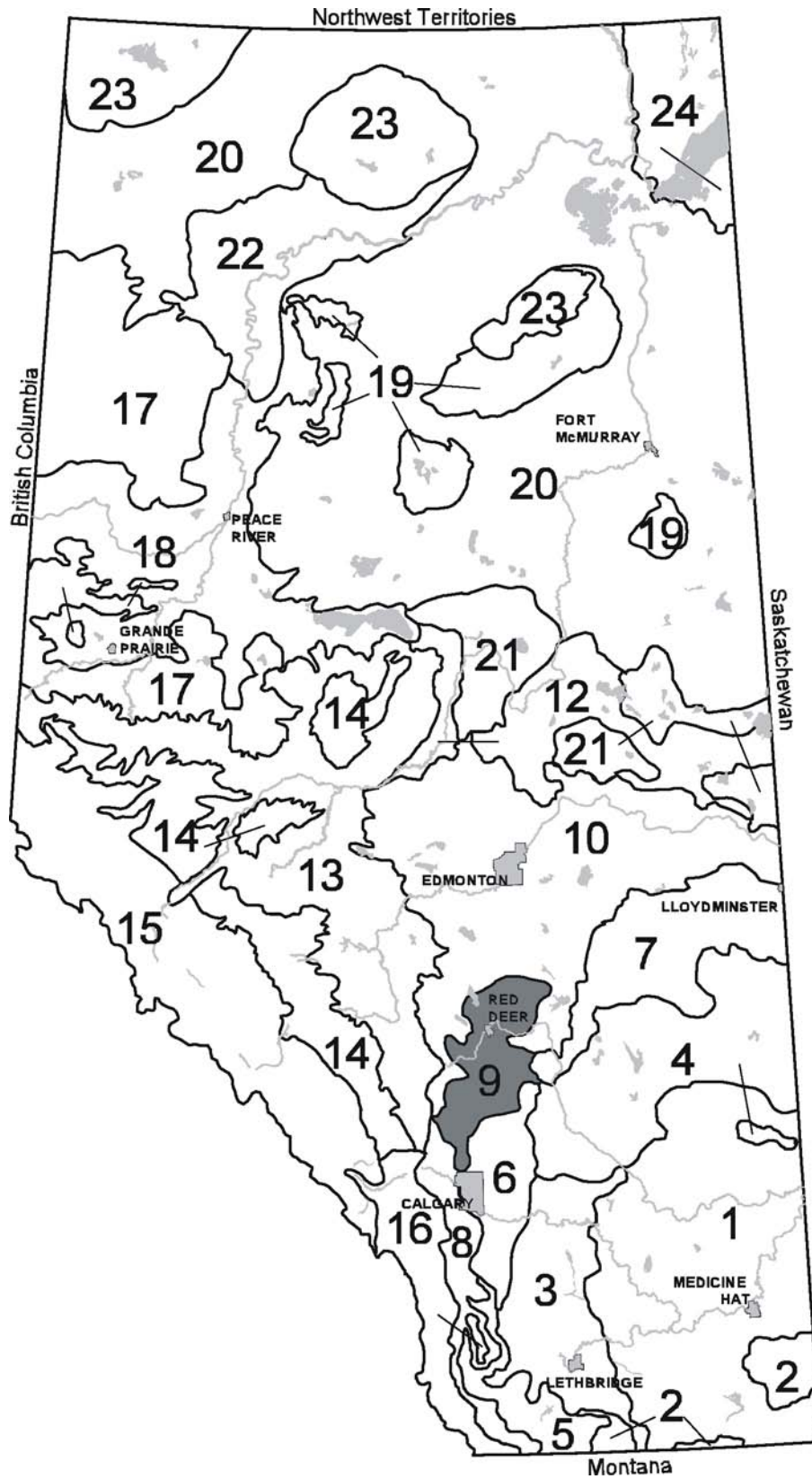
SCA 8

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
BURMIS	BUR	CH	R.BLC	E	N	C1	VGVC	GLFL	-	-	
BURMIS-ZZ	BURzz	CH	CA.BLC	E	N	C1	VGVC	GLFL	-	-	Equivalent to calcareous Burmis .
BEAUVAIS	BVA	CH	O.DGC	M	N	M4	MF	TILL	-	-	Developed on Dunvargan till.
BEAUVAIS-GR	BVAgr	CH	O.DGC	M	N	M6	GRMF	TILL	-	-	
CARBONDALE	CBD	BR	O.EB	W	N	L6	ME	TILL	-	BRUN	Developed on shallow (softrock at 31-99 cm) till. Equivalent to North Fork (SCA 5).
CROOKED CREEK-AA	CCRaa	LU	D.GL	M	N	L6	MF	TILL	ME	SRCN	Developed on shallow (softrock at 31-99 cm) till. Home SCA is 16.
CARWAY	CRW	CH	O.BLC	M	N	C3	MC	GLFL	-	-	
CARWAY-CO	CRWco	CH	O.BLC	M	N	C2	VC	GLFL	-	-	Variable coarse fragment content, however, generally <20%.
CARWAY-FI	CRWfi	CH	O.BLC	M	N	M3	MF	GLFL	-	-	SCL to L textured layers present within profile.
DRYWOOD	DRW	CH	O.BLC	M	N	L5	ME	GLFL	VGVC	GLFL	
DRYWOOD-GR	DRWgr	CH	O.BLC	M	N	L5	GRME	GLFL	VGVC	GLFL	Gravel present in the upper veneer.
DRYWOOD-ZR	DRWzr	CH	R.BLC	M	N	L5	ME	GLFL	VGVC	GLFL	
DUNVARGAN	DVG	CH	O.BLC	M	N	M4	MF	TILL	-	-	Developed on Dunvargan till (moderately to strongly calcareous, mixed Continental and Cordilleran till).
DUNVARGAN-CAZR	DVGcazr	CH	R.BLC	M	N	M4	MF	TILL	-	-	Changed subgroup to CA.BLC to agree with profile description (Bmk horizon), June 29/05.
DUNVARGAN-CO	DVGco	CH	O.BLC	M	N	M4	ME	TILL	-	-	
DUNVARGAN-GL	DVGgl	CH	GL.BLC	M	N	M4	MF	TILL	-	-	
DUNVARGAN-GR	DVGgr	CH	R.BLC	M	N	M6	GRMF	TILL	-	-	Changed subgroup to O.BLC to agree with profile description (Bm horizon), June 29/05.
DUNVARGAN-XP	DVGxp	CH	O.BLC	M	N	L6	MF	TILL	MF	SRUN	Replaced with Hatfield in SCA 8.
DUNVARGAN-ZR	DVGzr	CH	R.BLC	M	N	M4	MF	TILL	-	-	Equivalent to rego Beazer (SCA 5). Sometimes used instead of Parsons-aa .
DUNVARGAN-ZT	DVGzt	CH	SZ.BLC	M	M	M4	MF	TILL	-	-	
ELBOW-AA	ELBaa	LU	D.GL	S	N	F1	FI	GLLC	-	-	Home SCA is 16.
FRANK-AA	FRKaa	BR	O.EB	V	N	M1	VGME	COLL	-	-	Home SCA is 16.
FISH CREEK	FSH	CH	O.BLC	M	N	F1	FI	GLLC	-	-	
FISH CREEK-CA	FSHca	CH	CA.BLC	S	N	F1	FI	GLLC	-	-	
FISH CREEK-GR	FSHgr	CH	O.BLC	M	N	F1	GRFI	GLLC	-	-	
FISH CREEK-SA	FSHsa	CH	O.BLC	M	M	F1	FI	GLLC	-	-	
FISH CREEK-XT	FSHxt	CH	O.BLC	M	N	F1	FI	GLLC	FI	TILL	
GHOST	GST	CH	CA.DGC	E	N	C3	MC	GLFL	-	-	
HATFIELD	HFD	CH	O.BLC	M	N	L6	ME	TILL	ME	SRUN	Developed on shallow (softrock at 31-99 cm) till. Replaced DVGxp and Ockey (SCA 5) in SCA 8.
LUNDBRECK	LNB	CH	O.BLC	M	N	C1	GRVC	GLFL	-	-	
LEIGHTON CENTRE-AA	LTCaa	LU	D.GL	M	N	M4	MF	TILL	-	-	Developed on Dunvargan till. Home SCA is 16.
MAYCROFT	MFT	CH	O.BLC	M	N	M3	MF	GLLC	-	-	
MAYCROFT-CA	MFTca	CH	CA.BLC	M	N	M3	MF	GLLC	-	-	
MAYCROFT-GL	MFTgl	CH	GL.BLC	M	N	M3	MF	GLLC	-	-	
MAYCROFT-GLZR	MFTglzr	CH	GLR.BLC	M	N	M3	MF	GLLC	-	-	
MAYCROFT-GR	MFTgr	CH	O.BLC	M	N	M3	GRMF	GLLC	-	-	
MAYCROFT-XT	MFTxt	CH	O.BLC	M	N	L3	MF	GLLC	MF	TILL	

SCA 8 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
MAYCROFT-ZR	MFTzr	CH	R.BLC	M	N	M3	MF	GLLC	-	-	
MESA BUTTE-AA	MSBaa	CH	O.BLC	W	N	L8	ME	COLL	ME	SRUN	Home SCA is 16.
MESA BUTTE-AAXL	MSBaaxl	CH	O.BLC	W	N	L8	ME	COLL	-	BRUN	Home SCA is 16.
OUTPOST	OTP	CH	O.BLC	M	N	M1	STME	GLFL	-	-	
OUTPOST-CAZR	OTPcazr	CH	CA.BLC	S	N	M1	STME	GLFL	-	-	Changed subgroup to R.BLC to agree with profile description (Bmk horizon absent), June 29/05
POTHOLE CREEK	POT	GL	O.HG	M	N	F1	FI	GLLC	-	-	
POTHOLE CREEK-PT	POTpt	GL	O.HG	M	N	F1	FI	GLLC	-	-	
POTHOLE CREEK-ZR	POTzr	GL	R.HG	M	N	F1	FI	GLLC	-	-	
PORCUPINE	PPE	CH	O.BLC	M	N	M2	ME	COLL	-	-	Associated with the leeward side of bedrock ridges in the Foothills. Ah horizon usually >50 cm.
PORCUPINE-ZR	PPEzr	CH	R.BLC	M	N	M2	ME	COLL	-	-	
PARSONS-AA	PSOaa	CH	R.BLC	M	N	M4	MF	TILL	-	-	Developed on Dunvargan till. Home SCA is 5.
RED DEER LAKE	RDL	SZ	GLBL.SS	S	W	M3	MF	GLLC	-	-	
ROBINSON-AA	RSNaa	LU	D.GL	W	N	F4	FI	TILL	-	-	Home SCA is 16.
SHARP HILLS	SHL	CH	R.BLC	S	N	C3	MC	GLFL	-	-	Moderately coarse to medium textured.
SHARP HILLS-XT	SHLxt	CH	R.BLC	S	N	L2	MC	GLFL	MF	TILL	
SPY HILL	SPY	CH	O.BLC	S	N	M6	STMF	TILL	-	-	Developed on Spy Hills till (strongly calcareous, excessively stony Cordilleran till). Coarse fragment content generally >20%. Ah usually <50 cm.
SARCEE	SRC	CH	O.BLC	M	N	M2	ME	FLUV	-	-	
TWIN BRIDGES	TBR	RG	GL.HR	E	N	C3	MC	FLUV	-	-	
TODD CREEK-AA	TDCaa	CH	GL.DGC	V	N	L5	MF	FLUV	GRMF	FLUV	Developed on fluvial parent material resulting from mudflows. Home SCA is 16.
TOUGH CREEK-AA	TUCaa	LU	O.GL	M	N	L6	MF	TILL	MC	SRCN	Developed on shallow (softrock at 31-99 cm) till. Home SCA is 16.

SCA 9
Thick Black Soil Zone of Southwest-Central Alberta



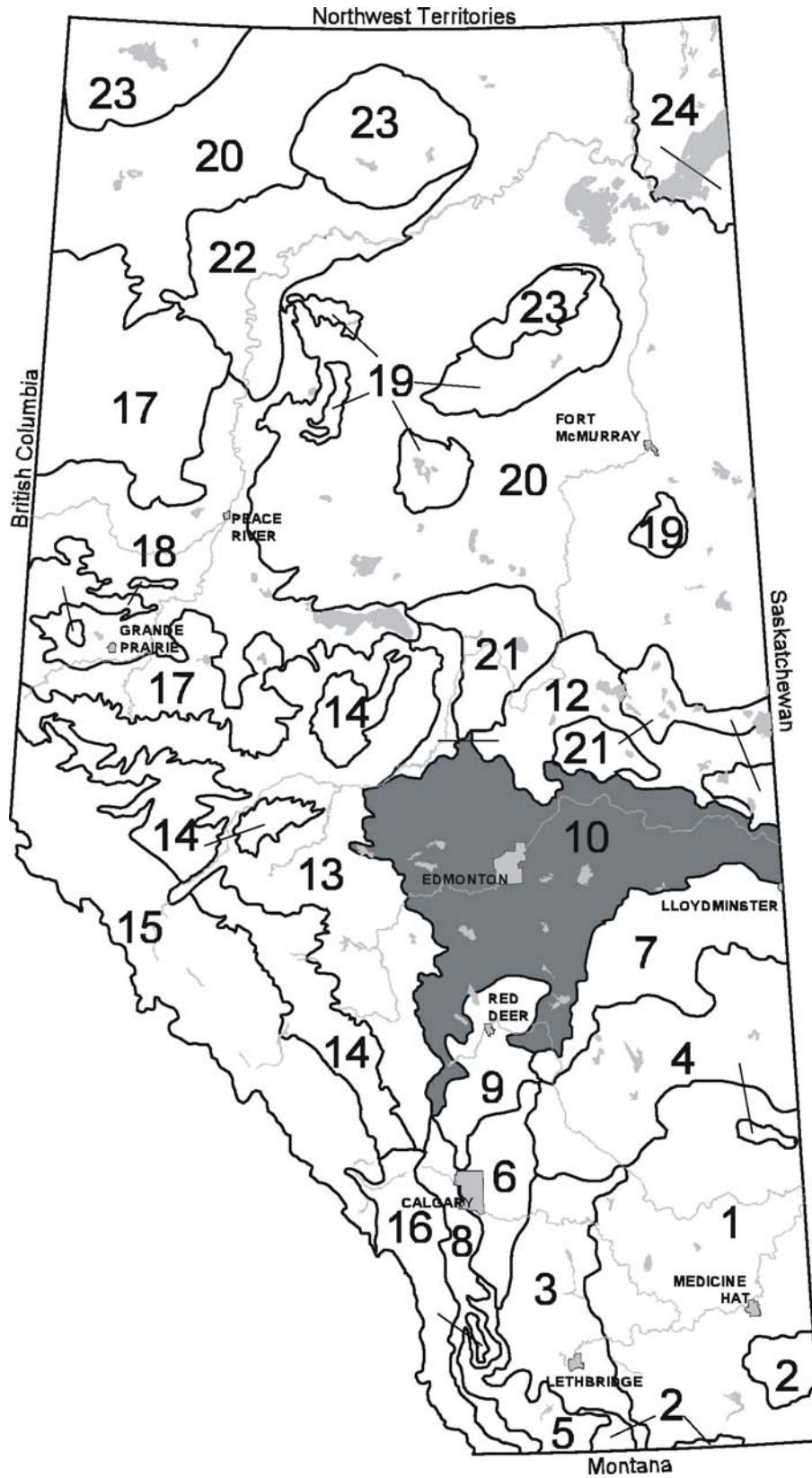
SCA 9

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
ANTLER	ATL	CH	O.BLC	S	N	M4	MF	TILL	-	-	Developed on Antler till (mixed Continental and Cordilleran till overlying Paskapoo Formation sandstones).
ANTLER-CR	ATLcr	CH	O.BLC	S	N	M4	MF	TILL	-	-	
ANTLER-GL	ATLgl	CH	GL.BLC	S	N	M4	MF	TILL	-	-	
ANTLER-ST	ATLst	CH	O.BLC	S	N	M4	STMF	TILL	-	-	
ANTLER-XP	ATLxp	CH	O.BLC	S	N	L6	MF	TILL	MC	SRCN	
ANTLER-ZR	ATLzr	CH	R.BLC	S	N	M4	MF	TILL	-	-	
ANTON-AA	ATOaa	CH	GL.DGC	M	N	M2	ME	GLLC	-	-	Textures vary from L-SiL-SiCL-CL. Home SCA is 10.
BENALTO-AA	BENaa	LU	D.GL	W	N	M4	MF	TILL	-	-	Developed on Antler till. Home SCA is 10.
BOW VALLEY-AA	BOVaa	CH	O.BLC	S	N	C1	VGVC	GLFL	-	-	Home SCA is 6.
BEARSPAW	BPW	CH	R.BLC	S	N	F1	FI	GLLC	-	-	Equivalent to rego Lloyd Lake .
BALZAC-AA	BZCaa	GL	R.HG	S	S	L14	FI	LACU	MF	TILL	Saline soil associated with depressional areas. Home SCA is 6.
COGHILL	COH	OR	THU.M	N	N	L12	O	FNPT	MF	TILL	
CYGNET	CYG	CH	E.BLC	W	N	M4	MF	TILL	-	-	Equivalent to eluviated Antler .
DIDSBURY	DDY	CH	O.BLC	M	N	M4	MF	TILL	-	-	Developed on Antler till. May be loess material. Ah horizon >40 cm. If Ah horizon <40 cm use Antler .
DEVON-AA	DEVaa	OR	TY.M	N	N	P1	O	SPPT	-	-	Sphagnum (bog) peat. Home SCA is 10.
EVARTS	EAT	CH	E.BLC	M	N	F1	FI	GLLC	-	-	Equivalent to fine textured Penhold .
ECKVILLE-AA	EVLaa	CH	O.DGC	M	N	L3	ME	GLLC	MF	TILL	Replaced Rimbey-xt (SCA 10) in SCA 9. Home SCA is 10.
FERINTOSH-AA	FTHaa	CH	O.BLC	W	N	C1	GRVC	GLFL	-	-	Used where SL to L textured veneer is <30 cm over gravel. Use Atimoswe-aa if overlay >30 cm. Home SCA is 10.
GOLDEN SPIKE-AA	GSPaa	OR	TY.M	N	N	P2	O	FNPT	-	-	Sedge (fen) peat. Home SCA is 10.
HARMATTON	HAR	GL	R.HG	M	N	L14	FI	GLLC	MF	TILL	Replaced Dewinton (SCA 6) in SCA 9. Similar to Pothole (SCA 8).
HARMATTON-CR	HARcr	GL	R.HG	M	N	L14	FI	GLLC	MF	TILL	
HARMATTON-PT	HARpt	GL	R.HG	M	N	L14	FI	GLLC	MF	TILL	
HAPPY VALLEY-AA	HPVaa	CH	R.BLC	S	N	L2	MC	GLFL	MF	TILL	Home SCA is 6.
INNISFAIL	ISF	CH	R.BLC	M	N	L5	ME	GLLC	GRVC	GLFL	Previously Penhold-xs .
KAVANAGH-AA	KVGaa	SZ	BL.SS	W	W	M5	MF	SRFS	-	-	May have drift veneer (<30 cm) over Edmonton Formation softrock. Home SCA is 10.
LLOYD LAKE	LLK	CH	GL.BLC	S	N	F1	FI	GLLC	-	-	
LLOYD LAKE-GL	LLKgl	CH	GL.BLC	S	N	F1	FI	GLLC	-	-	
LLOYD LAKE-GLSA	LLKgl _{sa}	CH	GL.BLC	S	S	F1	FI	GLLC	-	-	
LONEPINE	LPN	CH	O.BLC	M	N	L3	ME	GLLC	MF	TILL	Previously Penhold-xt . Equivalent to Rockyview (SCA 6).
MORNINGSIDE	MGS	CH	O.BLC	M	N	C2	VC	EOLI	-	-	Replaced loamy sand textured Peace Hills (SCA 10) as used on the old maps, pre- AGRASID .
MARKERVILLE	MKV	CH	O.DGC	W	N	M4	MF	TILL	-	-	Equivalent to dark gray Antler .
MYNARSKI	MYK	SZ	BL.SS	W	M	M3	MF	GLLC	-	-	
NIOBE	NIB	SZ	BL.SO	M	W	L3	MF	GLLC	MF	TILL	
NOSE CREEK	NSK	CH	R.BLC	S	N	M4	MF	TILL	-	-	Developed on Nose Creek till (very strongly calcareous, partly reworked by flowing water). Generally associated with eroded till valleys.
NOSE CREEK-SA	NSK _{sa}	CH	R.BLC	S	M	M4	MF	TILL	-	-	

SCA 9 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
PENHOLD	PED	CH	O.BLC	M	N	M2	ME	GLLC	-	-	
PENHOLD-GL	PEDgl	CH	GL.BLC	M	W	M2	ME	GLLC	-	-	
PENHOLD-XC	PEDxc	CH	O.BLC	M	N	L10	ME	GLLC	FI	GLLC	
ROCHESTER-AA	RCSaa	GL	O.HG	N	N	C3	MC	GLFL	-	-	Sandy loam textured solum. C horizon may be SL to LS textured. Home SCA is 11.
REDWATER-AA	RDWaa	CH	O.DGC	W	N	C3	MC	GLFL	-	-	Home SCA is 11.
STRATHCONA	SCO	CH	O.BLC	S	N	M1	GRME	GLFL	-	-	May have medium textured veneer (<30 cm) over gravelly loam textured GLFL.
TUTTLE	TUT	GL	O.HG	M	N	M3	MF	GLLC	-	-	
TWEEDSMUIR	TWS	CH	O.BLC	M	N	C3	MC	FLUV	-	-	
UKALTA-AA	UKTaa	CH	O.BLC	M	N	L2	MC	GLFL	MF	TILL	Home SCA is 10.
WETASKIWIN-AA	WKNaa	SZ	BL.SS	W	M	F1	FI	GLLC	-	-	Home SCA is 10.
WINTERBURN-AA	WTBaa	CH	O.DGC	W	N	M2	ME	GLFL	-	-	Home SCA is 10.

SCA 10
Thick Black/Dark Gray-Gray Soil Zone of Central
and East-Central Alberta



SCA 10

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
ANGUS RIDGE	AGS	CH	E.BLC	M	N	M4	MF	TILL	-	-	Equivalent to eluviated Beaverhills .
ANGUS RIDGE-ER	AGSer	CH	E.BLC	M	N	M4	MF	TILL	-	-	
ANGUS RIDGE-SA	AGSsa	CH	E.BLC	M	M	M4	MF	TILL	-	-	
ANGUS RIDGE-SC	AGSsc	CH	E.BLC	M	M	M4	MF	TILL	-	-	C horizon is weakly to moderately saline.
ANGUS RIDGE-ST	AGSst	CH	E.BLC	M	N	M4	MF	TILL	-	-	
ANTROSE	ANR	LU	GLD.GL	W	N	M4	MF	TILL	-	-	Developed on Paskapoo Formation till. Replaced Benalto-gl in SCA 10.
ARMENA	ARM	SZ	BL.SS	M	M	L3	ME	GLLC	MF	TILL	
ATIMOSWE	ATM	CH	O.BLC	W	N	L4	MC	GLFL	GRVC	GLFL	Profile with medium to moderately coarse textured veneer (>30 cm) over gravel. If veneer <30 cm thick over gravel, use Ferintosh . Replaced Rimbey-gl in SCA 10. Textures vary from L-SiL-SiCL-CL.
ANTON	ATO	CH	GL.DGC	M	N	M2	ME	GLLC	-	-	
ANTON-XC	ATOxc	CH	GL.DGC	M	N	L10	ME	GLLC	FI	GLLC	
BARD LAKE	BAK	GL	R.HG	W	N	L18	ME	LACU	MC	LACU	Developed on beach sand.
BENALTO	BEN	LU	D.GL	W	N	M4	MF	TILL	-	-	Developed on Paskapoo Formation till.
BENALTO-GL	BENgl	LU	GLD.GL	W	N	M4	MF	TILL	-	-	Replaced with Antrose . Still used in AGRASID .
BENALTO-ST	BENst	LU	D.GL	W	N	M4	MF	TILL	-	-	
BENALTO-XP	BENxp	LU	D.GL	W	N	L6	MF	TILL	MC	SRCN	Weathered sandstone within 1 m.
BENALTO-XS	BENxs	LU	D.GL	W	N	L5	MF	TILL	VC	GLFL	The underlying GLFL material is S to SL textured.
BITTERN	BIT	GL	R.G	W	W	F1	FI	LACU	-	-	Associated with recently exposed lake bottoms
BLOOMSBURY	BLB	LU	O.GL	M	N	F1	FI	GLLC	-	-	Replaced Kathleen (SCA 18) in SCA 10. Series code previously BBY .
BOAG	BOA	GL	R.G	W	W	F1	FI	GLLC	-	-	Saline gleysols developed on fine textured GLLC materials.
BOSCOMBE	BOB	LU	GLD.GL	M	N	M4	MF	TILL	-	-	Developed on Edmonton Formation till. Described in the St. Paul Report.
BRIGHTBANK	BRK	LU	D.GL	N	N	C3	MC	GLFL	-	-	Associated with the Carvel Delta.
BROSSEAU	BSU	CH	O.DGC	W	N	M5	MF	SRUN	-	-	Developed on moderately fine textured, weathered shale and sandstone.
BROSSEAU-CRZR	BSUcrzr	CH	R.DGC	W	N	M5	MF	SRUN	-	-	
BROSSEAU-ER	BSUer	CH	O.DGC	W	N	M5	MF	SRUN	-	-	
BRETON	BTN	LU	O.GL	W	N	M4	MF	TILL	-	-	Developed on Paskapoo Formation till.
BRETON-ST	BTNst	LU	O.GL	W	N	M4	MF	TILL	-	-	
BRETON-XP	BTNxp	LU	O.GL	W	N	L6	MF	TILL	MF	SRCN	
BEAVERHILLS	BVH	CH	O.BLC	M	N	M4	MF	TILL	-	-	Developed on Edmonton Formation till (moderately calcareous materials derived mainly from Edmonton Formation non-marine, clayey sandstone and mudstone).
BEAVERHILLS-CR	BVHcr	CH	CA.BLC	M	N	M4	MF	TILL	-	-	
BEAVERHILLS-ER	BVHer	CH	O.BLC	M	N	M4	MF	TILL	-	-	
BEAVERHILLS-SA	BVHsa	CH	O.BLC	M	M	M4	MF	TILL	-	-	
BEAVERHILLS-SC	BVHsc	CH	O.BLC	M	M	M4	MF	TILL	-	-	C horizon is weakly to moderately saline.
BAWLF	BWF	CH	R.BLC	M	W	M3	MF	GLLC	-	-	Upper horizons may be weakly to moderately saline. Lower C horizons (>80 cm) generally weakly saline.
BAWLF-XT	BWFxt	CH	R.BLC	M	W	L3	MF	GLLC	MF	TILL	Lacustrine veneer is weakly to moderately saline. Underlying till is weakly saline.
CUCUMBER	CCB	CH	O.BLC	W	N	F1	FI	GLLC	-	-	

SCA 10 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
CAMROSE	CMO	SZ	BL.SS	M	M	M4	MF	TILL	-	-	Developed on Edmonton Formation till.
CAMROSE-GL	CMOgl	SZ	GLBL.SS	M	M	M4	MF	TILL	-	-	
CAMROSE-GLXP	CMOglxp	SZ	GLBL.SS	M	M	L6	MF	TILL	MF	SRFS	
CAMROSE-SA	CMOsa	SZ	BL.SS	M	M	M4	MF	TILL	-	-	Profile is moderately to strongly saline to the surface.
CAMROSE-ST	CMOst	SZ	BL.SS	M	M	M4	MF	TILL	-	-	
COOKING LAKE	COA	LU	O.GL	M	N	M4	MF	TILL	-	-	Developed on Edmonton Formation till.
COOKING LAKE-ER	COAer	LU	O.GL	M	N	M4	MF	TILL	-	-	
COOKING LAKE-ST	COAst	LU	O.GL	M	N	M4	MF	TILL	-	-	
CASLAN-AA	CSNaa	BR	E.EB	W	N	L2	MC	GLFL	MF	TILL	Home SCA is 12.
CARVEL	CVL	LU	D.GL	N	N	M2	ME	GLFL	-	-	Associated with the Carvel Delta. Profile has banded Bt horizon. Textures vary from vfSL-SiL-SiCL.
CYGNET-AA	CYGaa	CH	E.BLC	W	N	M4	MF	TILL	-	-	Developed on Paskapoo Formation till. Home SCA is 9.
DEVON	DEV	OR	TY.M	N	N	P1	O	SPPT	-	-	Sphagnum (bog) peat. Replaced Kenzie (typic version) (SCA 18) as Mesisol on sphagnum-dominated peat in SCA 10.
DEVON-XC	DEVxc	OR	T.M	N	N	L13	O	SPPT	FI	GLLC	
DEVON-YC	DEVyc	OR	T.M	N	N	L13	O	SPPT	FI	GLLC	
DAKEN	DKN	GL	R.HG	W	N	C2	VC	GLFL	-	-	Till usually at 1-2 m. From Tawatinaw map sheet.
DAKEN-PT	DKNpt	GL	R.HG	W	N	C2	VC	GLFL	-	-	
DEMAY	DMY	GL	O.LG	W	N	M4	MF	TILL	-	-	
DEMAY-CRSA	DMYcrsa	GL	O.LG	M	M	M4	MF	TILL	-	-	
DNISTER	DNT	SZ	G.SS	M	M	M4	MF	TILL	-	-	Softrock usually within 1.5 m.
DESJARLAIS	DSJ	GL	O.HG	M	W	C3	MC	GLFL	-	-	
DESJARLAIS-ZR	DSJzr	GL	R.HG	M	W	C3	MC	GLFL	-	-	
DUAGH	DUG	SZ	BL.SZ	W	M	F1	FI	GLLC	-	-	
DUAGH-GL	DUGgl	SZ	GLBL.SZ	M	M	F1	FI	GLLC	-	-	
DUAGH-XP	DUGxp	SZ	BL.SZ	M	M	L16	FI	GLLC	FI	SRFS	
DEVILLE	DVL	GL	O.G	M	N	F1	FI	GLLC	-	-	Not saline. Use Boag for saline gleysols on fine GLLC.
DOWNING-AA	DWGaa	BR	E.EB	N	N	L1	VGVC	GLFL	MF	TILL	Equivalent to shallow (till at 31-99 cm) Edward-aa . Home SCA is 12.
EVANSBURG	EBG	LU	GL.GL	M	N	F2	VF	GLLC	-	-	
EDBURG	EDG	CH	GLR.BLC	W	M	M4	MF	TILL	-	-	Equivalent to gleyed rego Beaverhills .
EDWAND-AA	EDWaa	BR	E.EB	W	N	C1	GRVC	GLFL	-	-	Home SCA is 12.
EGREMONT	EGO	CH	GL.DGC	M	N	M4	MF	TILL	-	-	Developed on Edmonton Formation till.
ELLERSLIE	ELL	CH	SZ.BLC	M	W	F1	FI	GLLC	-	-	
ELK POINT	ELP	LU	D.GL	W	N	C3	MC	GLFL	-	-	Replaced Leith (SCA 18) in SCA 10.
ECKVILLE	EVL	CH	O.DGC	M	N	L3	ME	GLLC	MF	TILL	Replaced Rimbey-xt in SCA 10.
ECKVILLE-GL	EVLgl	CH	GL.DGC	M	N	L3	ME	GLLC	MF	TILL	Replaced Rimbey-glxt in SCA 10.
FALUN	FLU	CH	O.DGC	W	N	M4	MF	TILL	-	-	Developed on Paskapoo Formation till (moderately calcareous materials derived mainly from Paskapoo Formation non-marine sandstone and mudstone).
FALUN-ER	FLUer	CH	O.DGC	W	N	M4	MF	TILL	-	-	
FALUN-ST	FLUst	CH	O.DGC	W	N	M4	MF	TILL	-	-	

SCA 10 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
FERINTOSH	FTH	CH	O.BLC	W	N	C1	GRVC	GLFL	-	-	Profile with medium to moderately coarse textured veneer (<30 cm) over gravel. If veneer >30 cm thick over gravel, use Atimoswe .
GABRIEL	GBL	LU	D.GL	M	N	L2	MC	GLFL	MF	TILL	Equivalent to shallow (till at 31-99 cm) Elk Point .
GABRIEL-ER	GBLer	CH	O.DGC	M	N	L2	MC	GLFL	MF	TILL	Changed classification with erosion of cultivated surface.
GLORY	GOY	LU	O.GL	N	N	M2	ME	GLFL	-	-	Associated with the Carvel Delta. Textures vary from vfSL-SiL-SiCL.
GRATZ	GRZ	RG	CU.HR	M	N	M2	ME	FLUV	-	-	Associated with modern fluvial floodplains.
GRATZ-CAGL	GRZcagl	RG	GLCU.HR	M	N	M2	ME	FLUV	-	-	
GOLDEN SPIKE	GSP	OR	TY.M	N	N	P2	O	FNPT	-	-	Sedge (fen) peat. Replaced Eaglesham (typic version) (SCA 18) as Mesisol on sedge-dominated peat in SCA 10.
GOURIN	GUR	CH	R.DGC	W	N	C2	VC	GLFL	-	-	Till usually at 1.5-2 m. Often gleyed in lower C horizon.
HORBURG-AA	HBGaa	LU	BR.GL	M	N	C1	GRVC	GLFL	-	-	Profile is developed on a shallow (<30 cm) moderately coarse textured veneer overlying gravelly parent material. Home SCA is 13.
HOBBEWA	HBM	CH	E.BLC	M	N	L3	ME	GLLC	MF	TILL	Equivalent to shallow (till at 31-99 cm) Ponoka .
HOBBEWA-SA	HBMsa	CH	E.BLC	M	M	L3	ME	GLLC	MF	TILL	
HOBBEWA-SC	HBMsc	CH	E.BLC	M	M	L3	ME	GLLC	MF	TILL	C horizon is moderately saline.
HELDAR	HDR	LU	D.GL	M	N	F1	FI	GLLC	-	-	Replaced Judah (SCA 18) in SCA 10.
HAIGHT	HGT	GL	O.HG	M	N	F1	FI	GLLC	-	-	
HIGHVALE	HGV	LU	O.GL	W	N	M3	MF	GLLC	-	-	Developed on SiCL to SiL textured deltaic sediments.
HIGHVALE-XT	HGVxt	LU	O.GL	W	N	L3	MF	GLLC	MF	TILL	
HOLBURN	HLB	LU	D.GL	M	N	L20	MC	GLFL	MF	GLLC	Profile developed on 40 cm sandy loam textured veneer overlying clay.
HELLIWELL	HLW	CH	O.DGC	W	N	C2	VC	GLFL	-	-	Replaced loamy sand textured Redwater in SCA 10.
HELLIWELL-GL	HLWgl	CH	GL.DGC	W	N	C2	VC	GLFL	-	-	
HELLIWELL-XC	HLWxc	CH	O.DGC	W	N	L9	VC	GLFL	FI	GLLC	
HELLIWELL-XT	HLWxt	CH	O.DGC	W	N	L2	VC	GLFL	MF	TILL	
HOADLEY	HOD	LU	O.GL	W	N	L2	MC	GLFL	MF	TILL	Replaced Codesa (SCA 18) in SCA 10.
HOADLEY-YP	HODyp	LU	O.GL	W	N	L2	MC	GLFL	MF	TILL	
HOADLEY-ZB	HODzb	LU	BR.GL	W	N	L2	MC	GLFL	MF	TILL	
HERCULES	HRL	GL	O.HG	M	M	F1	FI	GLLC	-	-	Equivalent to saline Haight .
HAIRY HILL	HYL	GL	R.HG	M	M	M4	MF	TILL	-	-	Carbonated and saline soils associated with discharge areas.
JEFFREY	JFF	CH	GLE.BLC	M	N	M2	ME	GLLC	-	-	Replaced Ponoka-gl in SCA 10.
JARVIE	JVE	GL	HU.LG	W	N	M2	ME	GLLC	-	-	
JARVIE-PT	JVEpt	GL	HU.LG	W	N	M2	ME	GLLC	-	-	
KEEPHILLS	KHS	LU	D.GL	W	N	M3	MF	GLLC	-	-	Developed on SiCL to SiL textured deltaic sediments.
KAVASAND	KSD	SZ	G.SS	W	W	L7	VC	GLFL	MF	SRFS	
KERENSKY	KSY	GL	R.HG	M	N	M3	MF	GLLC	-	-	Replaced Codner (SCA 13) in SCA 10. Textures vary from L-SiCL-CL.
KERENSKY-PTXC	KSYptxc	GL	R.HG	M	N	L10	MF	GLLC	FI	GLLC	
KERENSKY-XT	KSYxt	GL	R.HG	M	N	L3	MF	GLLC	MF	TILL	

SCA 10 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
KAVANAGH	KVG	SZ	BL.SS	W	W	M5	MF	SRFS	-	-	Developed on weathered bedrock of the Edmonton Formation. May have a shallow (<30 cm) till veneer.
KAWOOD	KWO	SZ	G.SS	W	W	M5	MF	SRFS	-	-	Developed on weathered bedrock of the Edmonton Formation. May have a shallow (<30 cm) till veneer.
LINDBROOK	LBK	RG	O.R	W	N	C1	VGVC	GLFL	-	-	
LANONNE	LNN	CH	SZ.DGC	M	W	M4	MF	TILL	-	-	Developed on Edmonton Formation till.
LOBLEY-AA	LOBaa	LU	BR.GL	M	N	M4	MF	TILL	-	-	Home SCA is 13.
LOOMA	LOM	CH	O.DGC	W	N	L15	VF	GLLC	MF	TILL	Equivalent to shallow (till at 31-99 cm) Mico .
LOWATER	LWT	SZ	G.SO	M	M	F1	FI	GLLC	-	-	
MAUGHAN	MAA	LU	O.GL	N	N	M5	MF	SRFN	-	-	Developed on weathered shale or mudstone.
MENAIK	MAK	GL	R.HG	M	N	M2	ME	FLUV	-	-	Associated with modern fluvial parent material.
MENAIK-CR	MAKcr	GL	R.HG	M	N	M2	ME	FLUV	-	-	
MENAIK-PT	MAKpt	GL	R.HG	M	N	M2	ME	FLUV	-	-	
MENAIK-SA	MAKsa	GL	R.HG	M	M	M2	ME	FLUV	-	-	
MICO	MCO	CH	O.DGC	M	N	F2	VF	GLLC	-	-	
MICO-GL	MCOgl	CH	GL.DGC	M	N	F2	VF	GLLC	-	-	
MODESTE	MDE	LU	O.GL	W	N	M5	ME	SRCN	-	-	Developed on weathered bedrock of the Paskapoo Formation.
MUNDARE	MDR	CH	O.BLC	W	N	C2	VC	FLEO	-	-	Replaced loamy sand textured Peace Hills in SCA 10.
MEWASSIN	MEW	CH	O.DGC	M	N	M3	MF	GLLC	-	-	Parent material may be stratified.
MIQUELON	MIQ	LU	O.GL	M	N	L15	VF	GLLC	MF	TILL	Equivalent to shallow (till at 31-99 cm) Maywood .
MAJEAU	MJU	CH	SZ.DGC	M	W	F1	FI	GLLC	-	-	
MACOLA	MLA	LU	D.GL	M	N	F2	VF	GLLC	-	-	
MACOLA-GL	MLAgl	LU	GLD.GL	M	N	F2	VF	GLLC	-	-	
MACOLA-XT	MLAxt	LU	D.GL	M	N	L15	VF	GLLC	MF	TILL	
MILL WOODS	MLS	SZ	BL.SO	M	W	F1	FI	GLLC	-	-	
MILLET	MLT	GL	O.HG	M	N	C3	MC	GLFL	-	-	
MALMO	MMO	CH	E.BLC	W	N	F1	FI	GLLC	-	-	
MALMO-XT	MMOxt	CH	E.BLC	W	N	F1	FI	GLLC	FI	TILL	
MINISTIK	MNK	SZ	G.SS	W	W	F1	FI	GLLC	-	-	
MINISTIK-XP	MNKxp	SZ	G.SS	M	M	L16	FI	GLLC	MF	SRCN	
MANATOKAN-AA	MNTaa	OR	T.M	N	N	L12	O	FNPT	MC	GLFL	Sedge (fen) peat overlying GLFL, GLLC or TILL materials. Home SCA is 12.
MAPOVA-AA	MPVaa	GL	HU.LG	M	N	M4	MF	TILL	-	-	Home SCA 12.
MOOSWA	MSW	CH	E.BLC	M	N	C3	MC	GLFL	-	-	Described in the St. Paul Report.
MORINVILLE	MVL	CH	E.BLC	M	N	L6	MF	TILL	MF	SRFS	Developed on shallow (saline-sodic softrock at 31-99 cm) Edmonton Formation till.
MORINVILLE-GL	MVLgl	CH	GLE.BLC	M	N	L6	MF	TILL	MF	SRFS	Replaced Pibroch-xp .
MAYWOOD	MYW	LU	O.GL	M	N	F2	VF	GLLC	-	-	
NAKAMUN	NKU	LU	SZ.GL	M	W	M4	MF	TILL	-	-	Developed on Edmonton Formation till.
NAMEPI	NMP	SZ	GLBL.SS	W	W	M5	MF	SRFS	-	-	Developed on weathered bedrock of the Edmonton Formation. May have a shallow (<30 cm) till veneer.

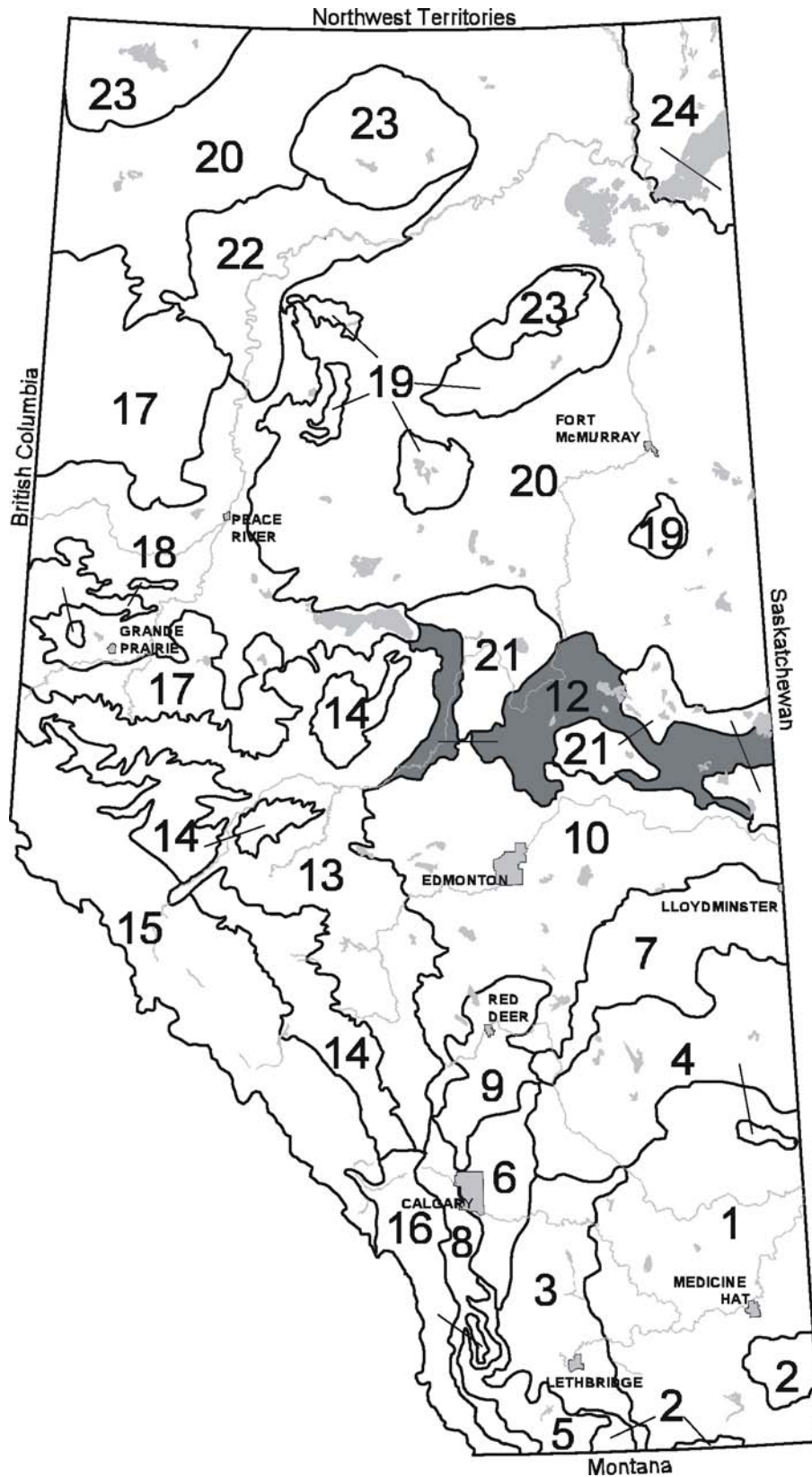
SCA 10 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
NORMA	NRM	CH	SZ.BLC	M	N	M4	MF	TILL	-	-	Equivalent to solonetzic Beaverhills .
NORMA-XP	NRMxp	CH	SZ.BLC	M	M	L6	MF	TILL	MF	SRFS	Saline-sodic softrock within 1 m.
NORTHERN VALLEY	NTV	CH	E.BLC	M	N	L2	MC	GLFL	MF	TILL	
NESTOW-AA	NTWaa	BR	E.DYB	N	N	C2	VC	GLFL	-	-	Associated with duned landforms under pine vegetation. Home SCA is 12.
NAVARRÉ	NVR	CH	GL.BLC	W	N	F1	FI	GLLC	-	-	
NAVARRÉ-SA	NVRsa	CH	GL.BLC	W	M	F1	FI	GLLC	-	-	Soil profile is moderately to strongly saline.
NAVARRÉ-SC	NVRsc	CH	GL.BLC	W	M	F1	FI	GLLC	-	-	C horizon is moderately to strongly saline.
NAVARRÉ-SCXT	NVRscxt	CH	GL.BLC	M	M	L14	FI	GLLC	MF	TILL	C horizon is moderately to strongly saline.
NAVARRÉ-XT	NVRxt	CH	GL.BLC	M	N	L14	FI	GLLC	MF	TILL	
ONOWAY	ONW	GL	O.HG	M	N	M4	MF	TILL	-	-	
ONOWAY-PT	ONWpt	GL	O.HG	M	N	M4	MF	TILL	-	-	
PATHFINDER	PHF	LU	D.GL	W	N	C6	MC	SRCN	-	-	Developed on paralthic sandstone-siltstone bedrock.
PEACE HILLS	PHS	CH	O.BLC	W	N	C3	MC	GLFL	-	-	
PEACE HILLS-GL	PHSgl	CH	GL.BLC	W	N	C3	MC	GLFL	-	-	
PEACE HILLS-GLXC	PHSglxc	CH	GL.BLC	W	N	L9	MC	GLFL	FI	GLLC	
PIBROCH	PIB	CH	GLE.BLC	M	N	M4	MF	TILL	-	-	Equivalent to gleyed eluviated Beaverhills . Replaced Angus Ridge-gl .
PRENTICE-AA	PNCaa	LU	BR.GL	W	N	C3	MC	GLFL	-	-	Developed on LS to SL textured sand dunes. Home SCA is 13.
PONOKA	POK	CH	E.BLC	M	N	M2	ME	GLLC	-	-	Parent material is L to SiL textured.
PONOKA-GL	POKgl	CH	GLE.BLC	M	N	M2	ME	GLLC	-	-	Replaced with Jeffrey. Still used in AGRASID .
PONOKA-SA	POKsa	CH	E.BLC	M	M	M2	ME	GLLC	-	-	
PONOKA-SC	POKsc	CH	E.BLC	M	M	M2	ME	GLLC	-	-	
PONOKA-ST	POKst	CH	E.BLC	M	N	M2	ME	GLLC	-	-	Stones concentrated at surface, decreasing with depth.
PONOKA-XC	POKxc	CH	E.BLC	M	N	L10	ME	GLLC	FI	GLLC	
PONOKA-XP	POKxp	CH	E.BLC	M	N	L8	ME	GLLC	MF	SRFS	
PRIMULA	PRM	BR	E.EB	N	N	C2	VC	GLFL	-	-	Replaced Nicot (SCA 12) and Heart (SCA 18) in SCA 10.
ROCHESTER	RCS	GL	O.HG	N	N	C3	MC	GLFL	-	-	SL textured solum. C horizon SL to LS textured.
ROCHESTER-PT	RCSpt	GL	O.HG	N	N	C3	MC	GLFL	-	-	
REDWATER	RDW	CH	O.DGC	W	N	C3	MC	GLFL	-	-	
REDWATER-CAXT	RDWcaxt	CH	CA.DGC	M	N	L2	MC	GLFL	MF	TILL	
REDWATER-ER	RDWer	CH	O.DGC	W	N	C3	MC	GLFL	-	-	
REDWATER-GR	RDWgr	CH	O.DGC	W	N	C1	GRMC	GLFL	-	-	
REDWATER-SA	RDWsa	CH	O.DGC	W	M	C3	MC	GLFL	-	-	
REDWATER-XT	RDWxt	CH	O.DGC	M	N	L2	MC	GLFL	MF	TILL	
RED FOX	RFX	LU	GLD.GL	M	N	F2	VF	GLLC	-	-	
RICH LAKE	RHK	LU	GLD.GL	M	N	M2	ME	GLFL	-	-	Old soil series code was RLK .
ROLLY VIEW	RLV	CH	O.DGC	M	N	M4	MF	TILL	-	-	Equivalent to dark gray Beaverhills .
RIMBEY	RMY	CH	O.DGC	M	N	M2	ME	GLLC	-	-	
RIMBEY-CA	RMYca	CH	CA.DGC	M	N	M2	ME	GLLC	-	-	
RIMBEY-GL	RMYgl	CH	GL.DGC	M	N	M2	ME	GLLC	-	-	Replaced with Jeffrey . Still used in AGRASID .

SCA 10 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
RIMBEY-XC	RMYxc	CH	O.DGC	M	N	L10	ME	GLLC	VF	GLLC	
RIMBEY-XT	RMYxt	CH	O.DGC	M	N	L3	ME	GLLC	MF	TILL	Replaced with Eckville . Still used in AGRASID .
RAVEN	RVN	GL	O.HG	M	N	F2	VF	GLLC	-	-	
RAVEN-PT	RVNpt	GL	O.HG	M	N	F2	VF	GLLC	-	-	
SHANDRO	SHD	GL	O.HG	M	S	M5	MF	SRFS	-	-	Developed on weathered bedrock of the Edmonton Formation. May have a shallow (<30 cm) till veneer.
SNIFE HILLS	SIS	LU	D.GL	M	N	C1	GRVC	GLFL	-	-	May have a thin (20-30 cm) sandy veneer overlying the gravelly parent material.
SLAWA	SLW	CH	E.BLC	W	N	F4	FI	TILL	-	-	Associated with ice-thrust morainal landscapes. The fine texture of the material is due to the incorporation of shale bedrock. Equivalent to Kitscoty (SCA 7).
SANTE	STE	CH	SZ.BLC	M	W	M2	ME	GLLC	-	-	
ST ALBERT	STL	CH	E.BLC	M	N	L22	FI	GLLC	ME	GLLC	C to SiCL textured veneer overlying silts or fine sands. Used with Volmer .
SUNDRE-AA	SUDaa	CH	O.DGC	S	N	L4	MC	GLFL	GRVC	GLFL	Home SCA is 13.
THORSBY	TBY	SZ	DG.SO	M	W	M4	MF	TILL	-	-	
TOFIELD	TFD	SZ	BL.SO	M	N	M4	MF	TILL	-	-	Developed on Edmonton Formation till.
TOFIELD-GL	TFDgl	SZ	GLBL.SO	M	N	M4	MF	TILL	-	-	
TOFIELD-XP	TFDxp	SZ	BL.SO	M	N	M4	MF	TILL	MF	SRFS	
TIGERLILY	TGL	LU	O.GL	M	N	C3	MC	GLFL	-	-	Replaced Culp (SCA 18) in SCA 10.
TIGERLILY-XCZB	TGLxczb	LU	BR.GL	M	N	L9	MC	GLFL	FI	GLLC	
TIGERLILY-ZB	TGLzb	LU	BR.GL	M	N	C3	MC	GLFL	-	-	
TWO HILLS	TWH	CH	O.DGC	W	N	C1	GRVC	GLFL	-	-	May have a thin (<20cm) stone-free veneer overlying the gravelly parent material.
UNCAS	UCS	LU	D.GL	M	N	M4	MF	TILL	-	-	Developed on Edmonton Formation till.
UNCAS-ST	UCSst	LU	D.GL	M	N	M4	MF	TILL	-	-	
UKALTA	UKT	CH	O.BLC	M	N	L2	MC	GLFL	MF	TILL	Equivalent to shallow (till at 31-99 cm) Peace Hills .
UKALTA-GL	UKTgl	CH	GL.BLC	M	N	L2	MC	GLFL	MF	TILL	
UKALTA-SC	UKTsc	CH	O.BLC	M	M	L2	MC	GLFL	MF	TILL	The underlying till (generally the C horizon) is moderately saline.
UKALTA-ZT	UKTzt	CH	SZ.BLC	M	N	L2	MC	GLFL	MF	TILL	
VOLMER	VOL	CH	GLE.BLC	M	W	L22	FI	GLLC	ME	GLLC	C to SiCL textured veneer overlying silts or fine sands. Gypsum high in profile. Weak to moderately saline. Used with St Albert .
WABAMUN	WAB	SZ	DG.SO	W	W	F1	FI	GLLC	-	-	
WARBURG	WBG	LU	GL.GL	W	N	M4	MF	TILL	-	-	Developed on Paskapoo Formation till.
WABASH	WBH	CH	GL.DGC	M	N	F1	FI	GLLC	-	-	Mapped in Pembina Valley near Dapp.
WHITFORD	WHF	SZ	BL.SZ	M	W	M4	MF	TILL	-	-	Developed on Edmonton Formation till.
WETASKIWIN	WKN	SZ	BL.SS	W	M	F1	FI	GLLC	-	-	
WESTEROSE	WSR	LU	O.GL	M	N	M3	MF	GLLC	-	-	Replaced Tolman (SCA 13) in SCA 10. Textures vary from L-SICL-CL.
WESTEROSE-GL	WSRgl	LU	GL.GL	M	N	M3	MF	GLLC	-	-	
WESTEROSE-XT	WSRxt	LU	O.GL	M	N	L3	MF	GLLC	MF	TILL	
WINTERBURN	WTB	CH	O.DGC	W	N	M2	ME	GLFL	-	-	Associated with the Carvel Delta. Textures vary from vfSL-SIL-SICL.
WINTERBURN-GL	WTBgl	CH	GL.DGC	W	N	M2	ME	GLFL	-	-	

SCA 12
Dark Gray-Gray Soil Zone of Northeast-Central Alberta



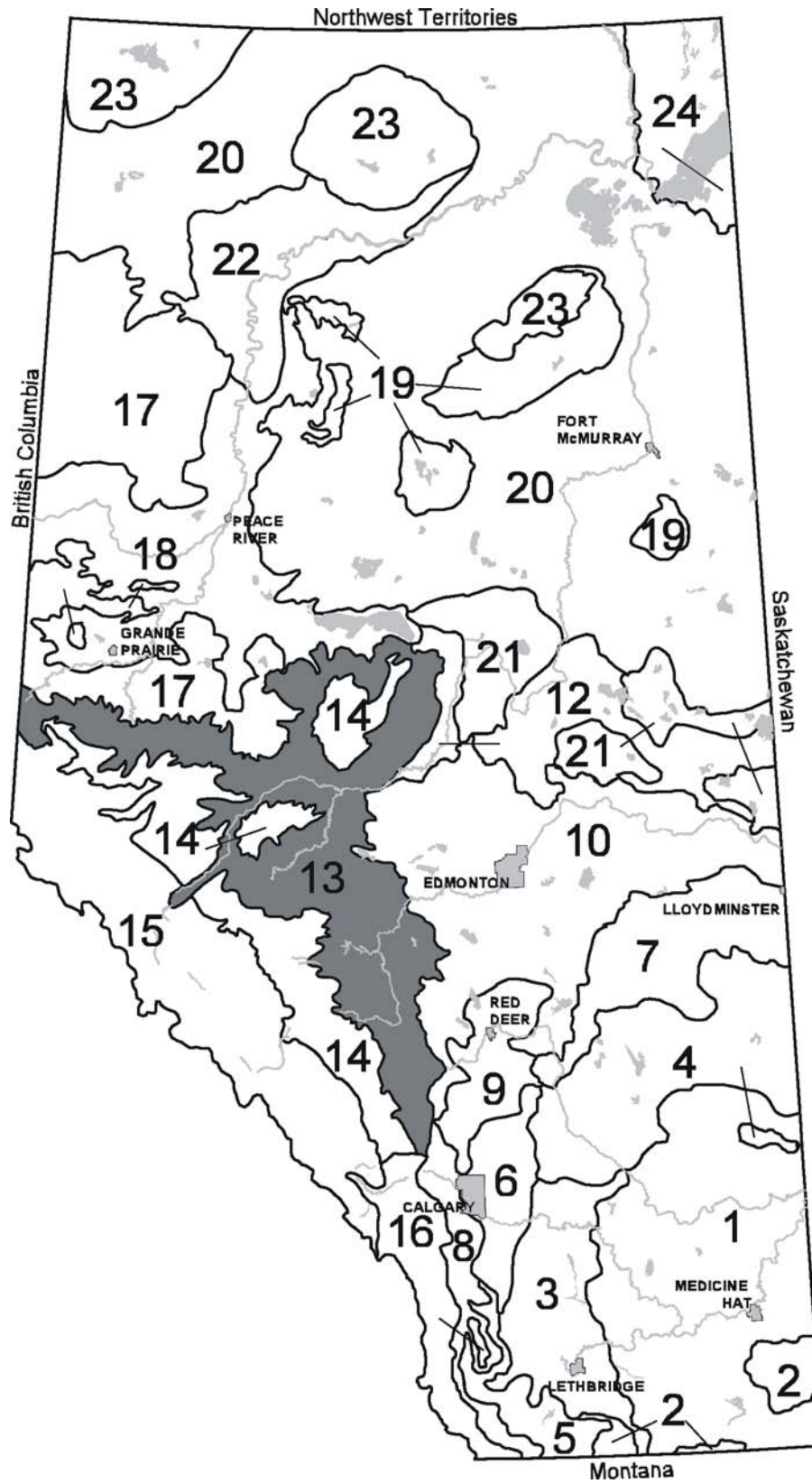
SCA 12

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
ARDMORE	ADM	CH	E.BLC	M	N	M2	ME	GLLC	-	-	Replaced Ponoka (SCA 10) in SCA 12.
ARDMORE-GL	ADMgl	CH	GLE.BLC	M	N	M2	ME	GLLC	-	-	Replaced Jeffrey (SCA 10) in SCA 12.
ARDMORE-XT	ADMxt	CH	E.BLC	M	N	L3	ME	GLLC	MF	TILL	
BIRKLAND-AA	BLAaa	OR	T.F	N	N	L12	O	SPPT	MF	TILL	Sphagnum (bog) peat underlain by mineral soil. Home SCA is 21.
BONNIE	BNN	OR	TY.H	N	N	P2	O	FNPT	-	-	Sedge (fen) peat (may include areas of sphagnum (bog) peat).
COLUMBINE	CMB	GL	R.HG	W	N	M3	MF	GLLC	-	-	Replaced Codner (SCA 13) in SCA 12.
COLUMBINE-CA	CMBca	GL	R.HG	M	N	M3	MF	GLLC	-	-	
CASLAN	CSN	BR	E.EB	W	N	L2	MC	GLFL	MF	TILL	Replaced Codesa (SCA 18) in SCA 12.
CHATWIN	CTW	OR	TY.M	N	N	P2	O	FNPT	-	-	
CARVEL-AA	CVLaa	LU	D.GL	N	N	M2	ME	GLFL	-	-	Home SCA is 10.
DRYSDALE	DDE	OR	TY.F	N	N	P2	O	FNPT	-	-	Fibric sedge (fen) peat. Described in the St. Paul Report.
DNISTER-AA	DNTaa	SZ	G.SS	M	M	M4	MF	TILL	-	-	Developed on LaCorey till. Home SCA is 10.
DIRLETON	DRN	CH	O.DGC	W	N	C3	MC	GLFL	-	-	Replaced Redwater (SCA 10) in SCA 12.
DIRLETON-GL	DRNgl	CH	GL.DGC	W	N	C3	MC	GLFL	-	-	
DOWNING	DWG	BR	E.EB	N	N	L1	VGVC	GLFL	MF	TILL	Equivalent to shallow (till at 31-99 cm) Edwand .
EDWAND	EDW	BR	E.EB	W	N	C1	VGVC	GLFL	-	-	Developed on outwash gravels with till at 1-2 m. Used on the Edmonton sheet.
ELK POINT-AA	ELPaa	LU	D.GL	W	N	C3	MC	GLFL	-	-	Replaced Leith (SCA 18) in SCA 12. Home SCA is 10.
FRANCHERE	FNC	LU	O.GL	M	N	M3	MF	GLLC	-	-	Replaced Tolman (SCA 13) in SCA 12.
FERGY	FRY	CH	E.BLC	M	N	M4	MF	TILL	-	-	Developed on LaCorey till.
FAWCETT	FWT	LU	D.GL	W	N	M3	ME	GLLC	-	-	
GABRIEL-AA	GBLaa	LU	D.GL	M	N	L2	MC	GLFL	MF	TILL	Equivalent to shallow (till at 31-99 cm) Elk Point-aa . Home SCA is 10.
GRANDIN-AA	GDlaa	LU	O.GL	W	N	F4	FI	TILL	-	-	Developed on Grandin till (fine to moderately fine, glacial thrust block till, high shale content, very low carbonate). Home SCA is 21.
GOODRIDGE-AA	GOGaa	LU	O.GL	W	N	C5	MC	TILL	-	-	Developed on Good Ridge till (moderately coarse, partly water sorted till with sandy and silty lenses, moderately calcareous). Associated with subdued, fluted landscapes. Home SCA is 21.
GLORY-AA	GOYaa	LU	O.GL	N	N	M2	ME	GLFL	-	-	Home SCA is 10.
GRATZ-AA	GRZaa	RG	CU.HR	W	N	M2	ME	FLUV	-	-	Home SCA is 10. Described in the St Paul Report.
HILDA	HID	OR	T.H	N	N	L11	O	FNPT	VC	GLFL	Sedge (fen) peat (may include areas of sphagnum (bog) peat) underlain by mineral soil.
KEHIWIN	KHW	CH	O.DGC	M	N	M4	MF	TILL	-	-	Developed on LaCorey till.
KEHIWIN-GL	KHWgl	CH	GL.DGC	M	N	M4	MF	TILL	-	-	
KAWOOD-AA	KWOaa	SZ	G.SS	W	W	M5	MF	SRFS	-	-	Developed on weathered bedrock of the Edmonton Formation. May have a shallow (<30 cm) till veneer. Home SCA is 10.
LA COREY	LCY	LU	O.GL	M	N	M4	MF	TILL	-	-	Developed on LaCorey till (moderately calcareous, underlain by Lea Park Formation (gray shales)).
LESSARD	LRD	CH	O.DGC	M	N	M2	ME	GLLC	-	-	Replaced Rimbey (SCA 10) in SCA 12.
LESSARD-XT	LRDxt	CH	O.DGC	M	N	L3	ME	GLLC	MF	TILL	
LAVESTA	LVT	LU	O.GL	W	N	L3	MF	GLLC	MF	TILL	Equivalent to Owl River (SCA 21).
LAVESTA-ST	LVTst	LU	O.GL	W	N	L3	MF	GLLC	MF	TILL	

SCA 12 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
MACOLA-AA	MLAaa	LU	D.GL	M	N	F2	VF	GLLC	-	-	Home SCA is 10.
MANATOKAN	MNT	OR	T.M	N	N	L11	O	FNPT	MC	GLFL	Sedge (fen) peat overlying GLFL, LACU or TILL.
MAPOVA	MPV	GL	HU.LG	M	N	M4	MF	TILL	-	-	
MAPOVA-PT	MPVpt	GL	HU.LG	M	N	M4	MF	TILL	-	-	
MISSAWAWI	MWI	LU	O.GL	W	N	L2	MC	GLFL	MF	TILL	Replaced Hoadley (SCA 10) in SCA 12.
NICOT	NIT	BR	E.EB	W	N	C2	VC	GLFL	-	-	
NICOT-XT	NITxt	BR	E.EB	W	N	L2	VC	GLFL	MF	TILL	
NAMEPI-AA	NMPaa	SZ	GLBL.SS	W	W	M5	MF	SRFS	-	-	Developed on weathered bedrock of the Edmonton Formation. May have a shallow (<30 cm) till veneer. Home SCA is 10.
NESTOW	NTW	BR	E.DYB	N	N	C2	VC	GLFL	-	-	Associated with duned landforms under pine vegetation.
NEWBROOK	NWB	GL	O.LG	W	N	M4	MF	TILL	-	-	Developed on LaCorey till.
NEWBROOK-PT	NWBpt	GL	O.LG	W	N	M4	MF	TILL	-	-	
ONWAY-AA	ONWaa	GL	O.HG	M	N	M4	MF	TILL	-	-	Developed on LaCorey till. Home SCA is 10.
PLAMONDON	PLM	LU	O.GL	M	N	F2	VF	GLLC	-	-	Replaced Maywood (SCA 10) in SCA 12.
PLAMONDON-XT	PLMxt	LU	O.GL	M	N	L15	VF	GLLC	MF	TILL	Replaced Miquelon (SCA 10) in SCA 12.
STEBBING-AA	SBNaa	OR	TY.F	N	N	P1	O	SPPT	-	-	Sphagnum (bog) peat. Home SCA is 21.
SPEDDEN	SDN	LU	D.GL	M	N	M4	MF	TILL	-	-	Equivalent to dark gray LaCorey .
SAWDY	SWY	GL	HU.LG	W	N	F1	FI	GLLC	-	-	
TIGERLILY-AA	TGLaa	LU	O.GL	M	N	C3	MC	GLFL	-	-	Home SCA is 11.
TOMKINS	TMK	OR	THU.F	N	N	L12	O	SPPT	MF	TILL	Sphagnum (bog) peat. Described in the Sand River Report.
TAWATINAW	TNW	LU	O.GL	W	N	C4	GRMC	TILL	-	-	Developed on Tawatinaw till (very stony with pockets of sand and medium textured materials, weakly calcareous).
VENICE	VEN	LU	D.GL	W	N	F4	FI	TILL	-	-	Developed on Grandin till. Replaced Winston (SCA 21) in SCA 12.
VILNA	VIL	CH	GLE.BLC	M	N	M4	MF	TILL	-	-	Developed on LaCorey till.
WOLF LAKE	WLL	GL	R.HG	W	N	C2	VC	GLFL	-	-	Replaced Daken (SCA 10) in SCA 12. Till is usually at 1-2 m.

SCA 13 The Lower Foothill Area of West-Central Alberta



SCA 13

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
ANSELL	ASL	LU	O.GL	W	N	M4	MF	TILL	-	-	Developed on Edson till. Equivalent to Hubalta with two Ae horizons in profile. Solum may be acidic.
ANSELL-ST	ASLst	LU	O.GL	W	N	M6	STMF	TILL	-	-	
ANSELL-XP	ASLxp	LU	O.GL	W	N	L6	MF	TILL	MC	SRCN	
BEARBERRY	BAB	LU	D.GL	M	N	F1	FI	GLLC	-	-	Mapped in the Bearberry Creek area.
BEARBERRY-GL	BABgl	LU	GLD.GL	M	N	F1	FI	GLLC	-	-	
BICKERDIKE-AA	BCRaa	BR	E.EB	M	N	C2	VC	GLFL	-	-	Home SCA is 14.
BIGORAY	BGY	LU	O.GL	W	N	F3	FI	GLTL	-	-	Described in Chip Lake Report.
BUCK LAKE	BLK	LU	BR.GL	W	N	M4	MF	TILL	-	-	Developed on Edson till. Replaced Ochiese (SCA 14) in SCA 13.
BUCK LAKE-ST	BLKst	LU	BR.GL	W	N	M6	STMF	TILL	-	-	
BLUE RIDGE	BLR	LU	O.GL	M	N	C3	MC	GLFL	-	-	Replaced Culp (SCA 18) in SCA 13.
BLUE RIDGE-CB	BLRcb	LU	O.GL	M	N	C1	GRMC	GLFL	-	-	
BLUE RIDGE-XT	BLRxt	LU	O.GL	M	N	L2	MC	GLFL	MF	TILL	
BREMAY	BMY	LU	GL.GL	W	N	M4	MF	TILL	-	-	Developed on Edson till. Replaced Hubalta-gl in SCA 13.
BREMAY-PT	BMYpt	LU	GL.GL	W	N	M4	MF	TILL	-	-	
BRETON-AA	BTNaa	LU	O.GL	W	N	M4	MF	TILL	-	-	Developed on Paskapoo Formation till. Home SCA is 10.
CAROLINE	CAR	LU	BR.GL	W	N	M2	ME	GLFL	-	-	Used with Tolman and Codner . Use Sunchild with Lobley - not CAR .
CHICKADEE	CHK	LU	O.GL	M	N	M2	ME	GLFL	-	-	Developed on SiL textured glacial Lake Edson sediments. If two Ae horizons present in profile use Embarras . Replaced Davis (SCA 18) in SCA 13.
CHIP LAKE	CLK	LU	O.GL	M	N	F2	VF	GLLC	-	-	Parent material heavy clay textured. Replaced Maywood (SCA 10) in SCA 13. Replaced with Weason . Still used in AGRASID .
CHIP LAKE-GL	CLKgl	LU	GL.GL	M	N	F2	VF	GLLC	-	-	Replaced with Evansburg (SCA 10). Still used in AGRASID .
CODNER	COD	GL	O.HG	W	N	M3	MF	GLLC	-	-	Same parent material (SiL to CL textured) as Tolman .
CODNER-PT	CODpt	GL	O.HG	W	N	M3	MF	GLLC	-	-	
CYNTHIA	CYN	GL	O.HG	M	N	F2	VF	GLLC	-	-	Replaced Raven (SCA 10) in SCA 13.
DALEHURST-AA	DAUaa	LU	BR.GL	M	N	M4	ME	TILL	-	-	Equivalent to brunisolic Hargwen . Home SCA is 14.
DALEHURST-AAXL	DAUaaxl	LU	BR.GL	M	N	L6	ME	TILL	-	BRUN	Home SCA is 14.
DRINNAN	DIN	BR	O.EB	S	N	L5	ME	EOLI	CBGR	GLFL	Member of the Hinton Association in Hinton-Edson Report.
DEKALTA	DKT	LU	D.GL	W	N	M4	MF	TILL	-	-	Developed on Edson till.
DEEP VALLEY-AA	DPVaa	BR	E.EB	W	N	C3	MC	COLL	-	-	Home SCA is 14.
EVANSBURG-AA	EBGaa	LU	GL.GL	M	N	F2	VF	GLLC	-	-	Parent material heavy clay textured. Home SCA is 10. Replaced Chip Lake-gl in SCA 13.
EMBARRAS	ERS	LU	O.GL	M	N	M2	ME	GLLC	-	-	Developed on SiL textured glacial Lake Edson sediments. Profile has two Ae horizons.
EASYFORD	ESF	GL	O.HG	W	N	M4	MF	TILL	-	-	Replaced Onoway (SCA 10) in SCA 13.
EASYFORD-PT	ESFpt	GL	O.HG	W	N	M4	MF	TILL	-	-	
ETA	ETA	LU	GL.GL	W	N	M2	ME	GLLC	-	-	Equivalent to gleyed Tolman .
FICKLE	FKE	OR	TY.M	W	N	P3	O	FOPT	-	-	Replaced Kenzie (SCA 18) in SCA 13.
FALUN-AA	FLUaa	CH	O.DGC	W	N	M4	MF	TILL	-	-	Developed on Paskapoo Formation till (moderately calcareous materials derived mainly from Paskapoo Formation non-marine sandstone and mudstone). Home SCA is 10.
FOX CREEK	FXC	LU	GLSZ.GL	W	N	F3	FI	GLTL	-	-	Replaced Donnelly (SCA 18) in SCA 13.

SCA 13 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
GREGG-AA	GGGaa	BR	E.EB	V	N	C1	CBVC	GLFL	-	-	Home SCA is 14.
GRANADA	GRN	LU	O.GL	M	N	C6	MC	SRCN	-	-	Developed on weathered bedrock of the Paskapoo Formation. Replaced Modeste (SCA 10) and Levi (SCA 14) in SCA 13.
GRANADA-ZB	GRNzb	BR	E.EB	N	N	C6	MC	SRCN	-	BRUN	Equivalent to Levi (SCA 14).
HATTONFORD	HAT	BR	E.EB	W	N	L2	MC	GLFL	MF	TILL	Replaced Codesa (SCA 18) in SCA 13.
HATTONFORD-GR	HATgr	BR	E.EB	W	N	L1	GRMC	GLFL	MF	TILL	
HATTONFORD-ST	HATst	BR	E.EB	W	N	L2	STMC	GLFL	MF	TILL	
HORBURG	HBG	LU	BR.GL	M	N	C1	GRVC	GLFL	-	-	
HORBURG-GL	HBGgl	LU	GLBR.GL	M	N	C1	GRVC	GLFL	-	-	
HARGWEN-AA	HGWaa	LU	O.GL	M	N	M4	ME	TILL	-	-	Developed on Obed till (medium to coarse textured, very stony Cordilleran till restricted to the Athabasca Valley-Obed Lake area). Home SCA is 14.
HANLAN-AA	HNLaa	LU	O.GL	M	N	M4	ME	TILL	-	-	Equivalent to McPherson with two Ae horizons in profile. Home SCA is 14.
HANLAN-AAST	HNLaaast	LU	O.GL	M	N	M6	STME	TILL	-	-	Home SCA is 14.
HANLAN-AAXP	HNLaa xp	LU	O.GL	M	N	L6	ME	TILL	MC	SRUN	Home SCA is 14.
HIGHTOWER-AA	HTWaa	LU	BR.GL	W	N	C1	VBMC	GLFL	-	-	Home SCA is 14.
HUBALTA	HUB	LU	O.GL	W	N	M4	MF	TILL	-	-	Developed on Edson till (weakly to moderately calcareous Continental till). If two Ae horizons present in profile use Ansell . Generally has finer texture than Breton-aa .
HUBALTA-GL	HUBgl	LU	GL.GL	W	N	M4	MF	TILL	-	-	Replaced with Bremay . Still used in AGRASID .
HUBALTA-ST	HUBst	LU	O.GL	W	N	M4	MF	TILL	-	-	
HUBALTA-XP	HUBxp	LU	O.GL	W	N	L6	MF	TILL	MF	SRCN	
IOSEGUN	IOS	RG	CU.R	N	N	L18	ME	FLUV	VC	FLUV	Created March 03/03 to correlate with new SLC.
JAMES RIVER	JMR	LU	D.GL	M	N	M2	ME	GLFL	-	-	
JAMES RIVER-XS	JMRxs	LU	D.GL	M	N	L18	ME	GLFL	VC	GLFL	
JAMES RIVER-XT	JMRxt	LU	D.GL	M	N	L3	ME	GLFL	MF	TILL	
JARVIS	JRV	LU	BR.GL	W	N	C1	GRVC	GLFL	-	-	
KIA NEA-AA	KIAaa	BR	O.MB	S	N	C2	VC	EOLI	-	-	Home SCA is 15. May also be found as O.EB.
LOBLEY	LOB	LU	BR.GL	M	N	M4	MF	TILL	-	-	Developed on Lobley till (moderately fine textured till of mixed Cordilleran and Continental origin, overlying Paskapoo Formation sandstones; common on the Ochiessie Upland).
MASKUTA-AA	MASaa	LU	O.GL	M	N	C6	MC	SRCN	-	-	Developed on weathered bedrock of the Paskapoo or Brazeau Formation. An association name in Hinton-Edson Report. Replaced Modeste (SCA 10) in SCA 13. Home SCA is 14. Replaced with Granada . Still used in AGRASID .
MINK CREEK	MCE	LU	D.GL	M	N	F2	VF	GLLC	-	-	Parent material is heavy clay textured. Replaced Macola (SCA 10) in SCA 13.
MINK CREEK-GL	MCEgl	LU	GLD.GL	M	N	F2	VF	GLLC	-	-	Replaced Macola-gl (SCA 10) in SCA 13.
MICO-AA	MCOaa	CH	O.DGC	M	N	F2	VF	GLLC	-	-	Parent material is heavy clay textured. Home SCA is 10.
MCDOUGALL	MDL	CH	O.DGC	W	N	M5	ME	BRUN	-	-	Developed on weathered sandstone bedrock. Used in the McDougall Creek area.
MACKAY	MKY	GL	O.LG	W	N	M4	MF	TILL	-	-	Replaced Newbrook (SCA 12) in SCA 13.
MACKAY-PT	MKYpt	GL	O.LG	W	N	M4	MF	TILL	-	-	Replaced Newbrook-pt (SCA 12) in SCA 13.

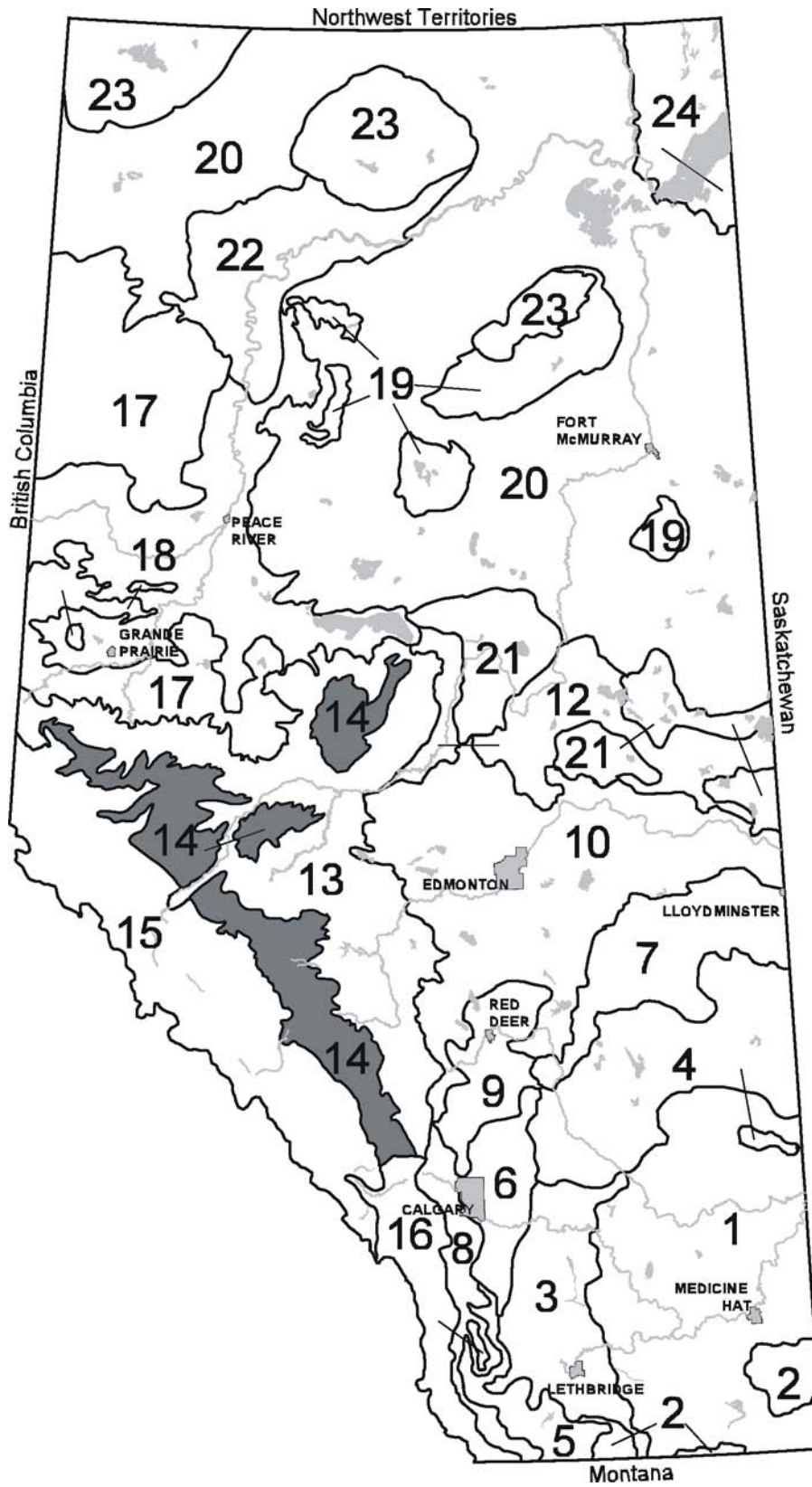
SCA 13 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
MCPHERSON-AA	MPHaa	LU	O.GL	M	N	M4	ME	TILL	-	-	Developed on Marlboro till (moderately fine textured, moderately stony Cordilleran till overlying Paskapoo Formation sandstones). If two Ae horizons present in profile use Hanlan . Home SCA is 14.
MCPHERSON-AAST	MPHaast	LU	O.GL	M	N	M6	STME	TILL	-	-	Home SCA is 14.
MCPHERSON-AAXP	MPHaaxp	LU	O.GL	M	N	L6	ME	TILL	MC	SRUN	Home SCA is 14.
MARSH HEAD	MSH	GL	O.LG	M	N	M2	ME	GLFL	-	-	Replaced Wanham (SCA 18) in SCA 13. Used in the Marsh Head Creek area, sheet 83K.
NOSEHILL-AA	NHLaa	LU	BR.GL	N	N	M4	MF	TILL	-	-	Equivalent to brunisolic Tom Hill . Home SCA is 14.
NOSEHILL-AAST	NHLaast	LU	BR.GL	N	N	M6	STMF	TILL	-	-	Home SCA is 14.
NOSEHILL-AAXP	NHLaaxp	LU	BR.GL	M	N	L6	MF	TILL	MC	SRCN	Home SCA is 14.
NITON	NTN	OR	TY.M	N	N	P2	O	FNPT	-	-	Replaced Eaglesham (SCA 18) in SCA 13.
OCHIESE-AA	OHSaa	LU	BR.GL	W	N	M4	MF	TILL	-	-	Replaced with Buck Lake in SCA 13. Home SCA is 14. Still used in AGRASID .
ORCHARD-AA	ORCaa	LU	D.GL	S	N	M2	ME	EOLI	-	-	Home SCA is 15.
PERCOTTE	PCO	BR	E.EB	M	N	L3	ME	EOLI	ME	TILL	Developed on medium textured material overlying Obed till. Used in the Cache Percotte Forest near Hinton.
PASS CREEK	PCR	GL	O.HG	N	N	C3	MC	GLFL	-	-	Replaced Rochester (SCA 10) and Gunderson (SCA 17) in SCA 13.
PEDLEY	PDY	LU	BR.GL	S	N	C3	MC	EOLI	-	-	Used in the Athabasca Valley near Hinton.
PEGASUS	PGS	LU	O.GL	N	N	M5	MF	SRCN	-	-	Developed on green shale weathered bedrock.
PRENTICE	PNC	LU	BR.GL	W	N	C3	MC	GLFL	-	-	Developed on LS to SL textured dunes, probably rare.
PEPPERS-AA	PPSaa	LU	BR.GL	M	N	L2	MC	GLFL	MF	TILL	If Bf horizon present instead of Bm, use Pinto . Member of the Lodge Association in Hinton-Edson Report. Home SCA is 14.
PEERS	PRS	BR	E.EB	W	N	C2	VC	EOLI	-	-	Replaced Heart (SCA 18) and Nicot (SCA 12) in SCA 13.
PINTO	PTO	LU	BR.GL	M	N	L2	MC	GLFL	MF	TILL	Bf horizon generally not thick enough to qualify for PZ.GL. If Bm horizon present instead of Bf, use Peppers-aa .
RAT	RAT	LU	GL.GL	W	N	L2	MC	GLFL	MF	TILL	
ROSE CREEK	RSC	LU	GLD.GL	W	N	M4	MF	TILL	-	-	Developed on Paskapoo Formation till.
ROSEVEAR	RSV	LU	O.GL	S	N	M2	ME	GLLC	-	-	Developed on SiCL textured glacial Lake Edson sediments. Profile has two Ae horizons. Member of the Ledrum Association in Hinton-Edson Report.
SUNCHILD	SCH	LU	BR.GL	M	N	L3	MF	FLEO	ME	TILL	Described in the Brazeau Dam Report.
SUNDANCE	SUC	LU	BR.GL	M	N	C2	VC	GLFL	-	-	C horizon generally LS textured.
SUNDANCE-ST	SUCst	LU	BR.GL	M	N	C1	STVC	GLFL	-	-	
SUNDRE	SUD	CH	O.DGC	S	N	L4	MC	GLFL	GRVC	GLFL	Generally 40-60 cm of SL to L textured material overlying gravel.
SUNDRE-GR	SUDgr	CH	O.DGC	S	N	C1	GRMC	GLFL	GRVC	GLFL	
TOM HILL-AA	TMLaa	LU	O.GL	N	N	M4	MF	TILL	-	-	Developed on Mayberne till (medium to moderately fine textured, moderately to exceedingly cobbly Continental till; a lithofacies of Edson till confined mostly to high plateau-benchlands (in SCA 14) and the slopes of high plateau-benchlands (in SCA 13)).
TOM HILL-AAST	TMLaast	LU	O.GL	N	N	M6	STMF	TILL	-	-	Home SCA is 14.
TOM HILL-AAXP	TMLaaxp	LU	O.GL	N	N	L6	MF	TILL	MC	SRCN	Home SCA is 14.
TOLMAN	TOM	LU	O.GL	M	N	M3	MF	GLLC	-	-	Generally SiL to CL textured.
TOLMAN-GL	TOMgl	LU	GL.GL	M	N	M3	MF	GLLC	-	-	

SCA 13 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
TOLMAN-XT	TOMxt	LU	O.GL	M	N	L3	MF	GLLC	MF	TILL	
TWO HILLS-AA	TWHaa	CH	O.DGC	W	N	C1	GRVC	GLFL	-	-	Coarse fragment content of the A horizons is variable but definitely less than 20 cm to gravel. Home SCA is 10.
WILDHAY-AA	WHYaa	LU	PZ.GL	M	N	M4	ME	TILL	-	-	Developed on Marlboro till. Home SCA is 14.
WILDHAY-AAST	WHYaast	LU	PZ.GL	M	N	M6	STME	TILL	-	-	Home SCA is 14.
WILDHAY-AAXP	WHYaaxp	LU	PZ.GL	W	N	L6	ME	TILL	MC	SRCN	Home SCA is 14.
WEALD	WLD	LU	BR.GL	S	N	M2	ME	GLLC	-	-	
WINCHELL	WNC	LU	O.GL	M	N	M1	STME	GLFL	-	-	Developed in ice-contact materials.
WINDFALL	WND	BR	E.DYB	N	N	C2	VC	EOLI	-	-	Replaced dystic Heart (SCA 18) and Toad (SCA 17) in SCA 13.
WEASONE	WSN	LU	O.GL	M	N	F1	FI	GLLC	-	-	Replaced Kathleen (SCA 18) and Chip Lake in SCA 13.
WILDWOOD	WWO	GL	O.LG	W	N	F2	VF	GLLC	-	-	
WILDWOOD-PT	WWOpt	GL	O.LG	W	N	F2	VF	GLLC	-	-	

SCA 14 The Upper Foothill Area of West-Central Alberta



SCA 14

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
ANSELL-AA	ASLaa	LU	O.GL	W	N	M4	MF	TILL	-	-	Developed on Edson till. Generally two Ae horizons present in profile. Home SCA is 13.
ANSELL-AAST	ASLaast	LU	O.GL	W	N	M6	STMF	TILL	-	-	Home SCA is 13.
ANSELL-AAXP	ASLaaxp	LU	O.GL	W	N	L6	MF	TILL	MC	SRCN	Home SCA is 13.
BICKERDIKE	BCR	BR	E.EB	M	N	C2	VC	GLFL	-	-	Parent material is S to LS textured.
BERLAND	BER	BR	E.EB	M	N	L2	MC	GLFL	MC	TILL	Member of the Lodge Association in Hinton-Edson Report.
BARIL	BIL	BR	E.EB	M	N	M4	MF	TILL	-	-	Developed on Marlboro till.
BAPTISTE	BPT	PZ	O.HFP	N	N	C2	VC	EOLI	-	-	
CADOMIN-AA	CDMaa	BR	E.DYB	N	N	M5	ME	SRUN	-	BRUN	Developed on weathered shale, sandstone, or conglomerate bedrock. Home SCA is 15.
COPTON-AA	COPaa	BR	E.DYB	N	N	M5	MF	SRUN	-	-	Developed on weathered softrock. Home SCA is 15.
COALSPUR	CSP	LU	O.GL	N	N	M4	ME	TILL	-	-	Developed on Robb till (moderately coarse textured, very stony Cordilleran till mixed with colluvium, mostly veneers and blankets over all bedrock formations of the Foothills. Member of the Robb Association in Hinton-Edson Report.
COALSPUR-ST	CSPst	LU	O.GL	N	N	M6	STME	TILL	-	-	
DALEHURST	DAU	LU	BR.GL	M	N	M4	ME	TILL	-	-	Equivalent to brunisolic Hargwen .
DALEHURST-XL	DAUxl	LU	BR.GL	M	N	L6	ME	TILL	-	BRUN	Underlying lithic material is sandstone or fine-grained bedrock.
DEERLICK	DEK	LU	BR.GL	N	N	F1	FI	GLLC	-	-	Commonly found on river terrace deposits. Solum typically acidic. Member of the Tri-Creek Association in Hinton-Edson Report.
DEERLICK-XT	DEKxt	LU	BR.GL	N	N	L14	FI	GLLC	ME	TILL	
DEEP VALLEY	DPV	BR	E.EB	W	N	C3	MC	COLL	-	-	Associated with escarpments in the vicinity of tertiary gravel plateaus.
ERITH	ERH	GL	O.G	N	N	C5	MC	TILL	-	-	New series name from association in Hinton-Edson Report.
ERITH-ZH	ERHzh	GL	O.HG	N	N	C5	MC	TILL	-	-	
EUNICE	EUC	GL	O.G	N	N	F1	FI	GLLC	-	-	
FIDLER-AA	FDLaa	BR	E.DYB	N	N	L6	ME	TILL	-	BRUN	Developed on shallow (fragmental sandstone bedrock at 31-99 cm) Robb till and colluvium. Member of the Robb Association in Hinton-Edson Report. Home SCA is 15.
FICKLE-AA	FKEaa	OR	TY.M	W	N	P3	O	FOPT	-	-	Was previously an association name. Home SCA is 13.
FELTON-AA	FTOaa	BR	E.EB	N	N	L6	ME	TILL	-	BRUN	Developed on shallow (fragmental sandstone bedrock at 31-99 cm) Robb till and colluvium. Member of the Robb Association in Hinton-Edson Report. Home SCA is 15.
GREGG	GGG	BR	E.EB	V	N	C1	CBVC	GLFL	-	-	Member of the Jarvis Association in Hinton-Edson Report.
HORNBECK	HBK	PZ	O.HFP	S	N	C2	VC	GLFL	-	-	Parent material is S to LS textured. Member of the Blackmud Association in Hinton-Edson Report.
HARGWEN	HGW	LU	O.GL	M	N	M4	ME	TILL	-	-	Developed on Obed till (medium to coarse textured, very stony Cordilleran till restricted to the Athabasca Valley-Obed Lake area).
HARGWEN-XL	HGWxl	LU	O.GL	M	N	L6	ME	TILL	-	BRUN	
HANLAN	HNL	LU	O.GL	M	N	M4	ME	TILL	-	-	Equivalent to McPherson with two Ae horizons in profile.
HANLAN-ST	HNLst	LU	O.GL	M	N	M6	STME	TILL	-	-	
HANLAN-STXP	HNLstxp	LU	O.GL	M	N	L6	STME	TILL	MC	SRUN	
HANLAN-XP	HNLxp	LU	O.GL	M	N	L6	ME	TILL	MC	SRUN	
HARDISTY	HSY	LU	BR.GL	M	N	M4	ME	TILL	-	-	Developed on Marlboro till.

SCA 14 (cont.)

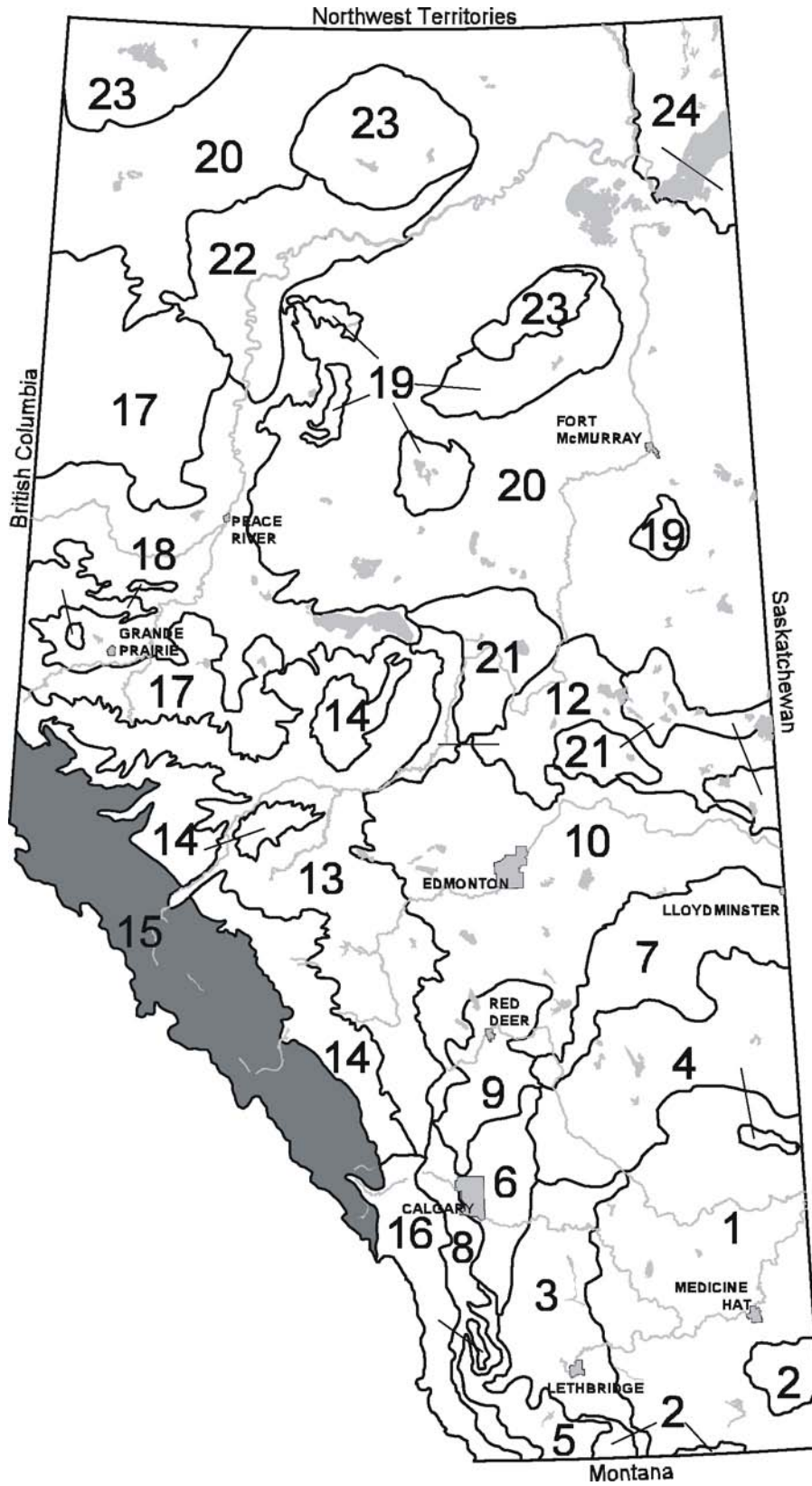
SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
HARDISTY-ST	HSYst	LU	BR.GL	M	N	M6	STME	TILL	-	-	
HARDISTY-XP	HSYxp	LU	BR.GL	M	N	L6	ME	TILL	MC	SRUN	
HIGHTOWER	HTW	LU	BR.GL	M	N	C1	VBMC	GLFL	-	-	Member of the Jarvis Association in Hinton-Edson Report.
JARVIS-AA	JRVaa	LU	BR.GL	W	N	C1	GRVC	GLFL	-	-	Member of the Jarvis Association in Hinton-Edson Report. Home SCA is 13.
JUDY	JUY	LU	BR.GL	N	N	L4	MC	EOLI	VBMF	PGFL	Underlying parent material tertiary gravels and cobbles (may be till). Used in the Swan Hills.
LEVI	LEV	BR	E.EB	N	N	C6	MC	SRUN	-	BRUN	Developed on weathered bedrock of the Paskapoo or Brazeau Formation. Member of the Maskuta Association of the Hinton-Edson Report.
MASKUTA	MAS	LU	O.GL	M	N	C6	MC	SRCN	-	-	Developed on weathered bedrock of the Paskapoo or Brazeau formation. An association name in the Hinton-Edson Report. Replaced Modeste (SCA 10) in SCA 14.
MERCOAL	MCL	LU	PZ.GL	N	N	L6	ME	TILL	MC	SRUN	Developed on shallow (fragmental sandstone bedrock at 31-99 cm) Robb till and colluvium. Member of the Robb Association in Hinton-Edson Report.
MERCOAL-ST	MCLst	LU	PZ.GL	N	N	L6	ME	TILL	MC	SRUN	
MCPHERSON	MPH	LU	O.GL	M	N	M4	ME	TILL	-	-	Developed on Marlboro till (moderately fine textured, moderately stony Cordilleran till overlying Paskapoo Formation sandstones). If two Ae horizons present in profile use Hanlan .
MCPHERSON-ST	MPHst	LU	O.GL	M	N	M6	STME	TILL	-	-	
MCPHERSON-XP	MPHxp	LU	O.GL	M	N	L6	ME	TILL	MC	SRUN	
NORDEGG	NDG	LU	BR.GL	M	N	M4	ME	TILL	-	-	Developed on Stolberg till.
NOSEHILL	NHL	LU	BR.GL	N	N	M4	MF	TILL	-	-	Equivalent to brunisolic Tom Hill .
NOSEHILL-ST	NHLst	LU	BR.GL	N	N	M6	STMF	TILL	-	-	Can be very cobbly or stony. Stones are rounded quartzites from tertiary gravels.
NOSEHILL-XP	NHLxp	LU	BR.GL	M	N	L6	MF	TILL	MC	SRCN	Sandstone softrock within 1 m.
OCHIESE	OHS	LU	BR.GL	W	N	M4	MF	TILL	-	-	Developed on Edson till (weakly to moderately calcareous Continental till).
OCHIESE-ST	OHSst	LU	BR.GL	W	N	M6	STMF	TILL	-	-	
PEPPERS	PPS	LU	BR.GL	M	N	L2	MC	GLFL	MF	TILL	Neutral pH in solum. If Bf horizon present instead of Bm, use Pinto-aa . Member of the Lodge Association in Hinton-Edson Report.
PINTO-AA	PTOaa	LU	BR.GL	M	N	L2	MC	GLFL	MF	TILL	Bf horizon generally not thick enough to qualify for PZ.GL. If Bm horizon present instead of Bf, use Peppers . Home SCA is 13.
ROSEVEAR-AA	RSVaa	LU	O.GL	S	N	M2	ME	GLLC	-	-	Developed on SiCL textured glacial Lake Edson sediments. Profile has two Ae horizons. Member of the Ledrum Association in Hinton-Edson Report. Home SCA is 13.
SUNCHILD-AA	SCHaa	LU	BR.GL	M	N	L3	MF	FLEO	ME	TILL	Described in the Brazeau Dam Report. Home SCA is 13.
SMOKY	SKY	GL	O.LG	M	N	M4	ME	TILL	-	-	
SMOKY-PT	SKYpt	GL	O.LG	M	N	M4	ME	TILL	-	-	New series from Wapti Sheet.
STOLBERG	STB	LU	PZ.GL	M	N	M4	ME	TILL	-	-	Developed on Stolberg till (loamy textured, weakly calcareous Cordilleran till mixed with colluvium restricted to the Nordegg area of the Outer Foothills).
STERCO-AA	STCaa	LU	O.GL	W	N	M5	ME	SRCN	-	-	May be moderately coarse textured (similar to Maskuta). Member of the Maskuta Association in the Hinton-Edson Report. Home SCA is 15.

SCA 14 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
SIMONETTE	STT	GL	FE.G	N	N	C1	VBMC	PGFL	-	-	Developed on tertiary gravels (till-like). Peaty (forest peat) surface. May be O.G as the Bgf horizon is borderline FE.G.
SUNDANCE-AA	SUCaa	LU	BR.GL	M	N	C2	VC	GLFL	-	-	C horizon generally LS textured. Home SCA is 13.
TOM HILL	TML	LU	O.GL	N	N	M4	MF	TILL	-	-	Developed on Mayberne till (medium to moderately fine textured, moderately to exceedingly cobbly Continental till; a lithofacies of Edson till confined mostly to high plateau-benchlands (in SCA 14) and the slopes of high plateau-benchlands (in SCA 13)). Profile often has two Ae horizons. Sometimes cobbly.
TOM HILL-ST	TMLst	LU	O.GL	N	N	M6	STMF	TILL	-	-	
TOM HILL-XP	TMLxp	LU	O.GL	N	N	L6	MF	TILL	MC	SRCN	
TORRENS-AA	TORaa	LU	O.GL	N	N	F5	FI	SRFN	-	-	Developed on weathered softrock. New series based on discription from Wapti Report. Home SCA is 15.
WILDHAY	WHY	LU	PZ.GL	M	N	M4	ME	TILL	-	-	Developed on Marlboro till.
WILDHAY-ST	WHYst	LU	PZ.GL	M	N	M6	STME	TILL	-	-	
WILDHAY-XP	WHYxp	LU	PZ.GL	W	N	L6	ME	TILL	MC	SRCN	
WAMPUS	WPS	LU	O.GL	N	N	M3	MF	GLLC	-	-	Profile usually has two Ae horizons. Member of the Tri-Creek Association in the Hinton-Edson Report.

SCA 15

The Montane, Subalpine and Alpine Areas of West-Central Alberta



SCA 15

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
ALTRUDE	ALX	BR	O.EB	E	N	L0	GRCT	FLUV	-	-	Developed on stratified L, SiL, SL, and LS textured fluvial materials (bedded). Lower subalpine soil.
ATHABASCA_X	ATX	BR	E.EB	E	N	C1	VBVC	GLFL	-	-	Developed on outwash deposits with a thin (<30 cm) fluvial-eolian veneer.
AZURE	AZX	BR	E.DYB	N	N	C1	VSVC	GLFL	-	-	Developed on weakly cemented, very cobbly to stony ice contact material. Upper subalpine soil.
BAKER CREEK	BKX	LU	BR.GL	V	N	M4	GRME	TILL	-	-	Developed on Baker Creek till (calcareous, medium textured till). Profile often has a thin (<30 cm) eolian veneer. Lower subalpine soil.
BOULDER PASS	BPX	BR	O.EB	E	N	C0	STMC	COLL	-	-	Developed on stony landslide colluvium. Upper subalpine soil.
BOW SUMMIT	BSX	BR	O.MB	E	N	C1	VGMC	COLL	-	-	Developed on calcareous colluvium. Alpine soil.
BOW VALLEY MTN	BVX	BR	E.EB	V	N	C1	VBVC	GLFL	-	-	Developed on outwash deposits with a thin (<30 cm) fluvial-eolian veneer.
BRYANT	BYX	BR	E.EB	V	N	M4	GRME	TILL	-	-	Developed on Baker Creek till (calcareous, medium textured till). Profile often has a thin (<30 cm) eolian veneer. Lower subalpine soil.
CAW	CAW	RG	CU.HR	N	N	L8	MF	COLL	-	BRUN	Developed on colluvial materials which are cryoturbated overlying bedrock. Classification changed from O.HR, April 21, 2004. Described in Wapiti Report.
CAVELL	CAX	BR	E.DYB	N	N	M4	GRME	TILL	-	-	Developed on Egypt Lake till (noncalcareous, medium textured till). Profile often has a thin (<30 cm) eolian veneer. Lower subalpine soil.
CADOMIN	CDM	BR	E.DYB	N	N	M5	ME	SRUN	-	BRUN	Developed on weathered shale, sandstone, or conglomerate bedrock.
COPTON	COP	BR	E.DYB	N	N	M5	MF	SRUN	-	-	Possibly delete, leave as an association.
COPPER	CPX	BR	O.DYB	N	N	C6	GRMC	SRUN	-	-	Developed on weathered and fractured bedrock over hard bedrock. Upper subalpine soil.
COALSPUR-AA	CSPaa	LU	O.GL	N	N	M4	ME	TILL	-	-	Developed on Robb till (moderately coarse textured, very stony Cordilleran till mixed with colluvium, mostly veneers and blankets over all bedrock formations of the Foothills). Member of the Robb Association in Hinton-Edson Report. Home SCA is 14.
CONSOLATION VALLEY	CVX	GL	R.G	W	N	M4	GRME	TILL	-	-	Lower subalpine soil.
DEVONA	DVX	RG	O.R	E	N	M2	ME	EOLI	-	-	Developed on eolian dune material. Montane soil.
IEFFEL	EFX	PZ	O.FHP	N	N	C5	CBMC	TILL	-	-	Developed on Moraine Lake till. Profile often has a thin (<30 cm) eolian veneer. Alpine soil.
EGYPT	EGX	BR	O.DYB	N	N	M4	GRME	TILL	-	-	Developed on Egypt Lake till (noncalcareous, medium textured till). Profile often has a thin (<30 cm) eolian veneer. Lithic phases common but not modal. Upper subalpine soil.
ENDLESS CHAIN	ENX	BR	E.DYB	N	N	C1	VBMC	COLL	-	-	Developed on colluvium from predominantly quartzitic bedrock. Upper subalpine soil.
ERRINGTON	ERR	BR	E.DYB	N	N	M2	ME	COLL	-	-	New series based on Wapiti Report.
ENTRANCE	ETC	RG	O.HR	M	N	L3	ME	EOLI	ME	TILL	
FIDLER	FDL	BR	E.DYB	N	N	L6	ME	TILL	-	BRUN	Developed on shallow (fragmental sandstone bedrock at 31-99 cm) Robb till and colluvium. Member of the Robb Association in Hinton-Edson Report.
FIRESIDE	FRX	BR	O.EB	E	N	L0	GRCT	FLUV	-	-	Developed on stratified L, SiL, SL, and LS textured fluvial materials (bedded). Montane soil.
FELTON	FTO	BR	E.EB	N	N	L6	ME	TILL		BRUN	Developed on shallow (fragmental sandstone bedrock at 31-99 cm) Robb till and colluvium. Member of the Robb Association in Hinton-Edson Report.
FELTON-ST	FTOst	BR	E.EB	N	N	L6	STME	TILL		BRUN	

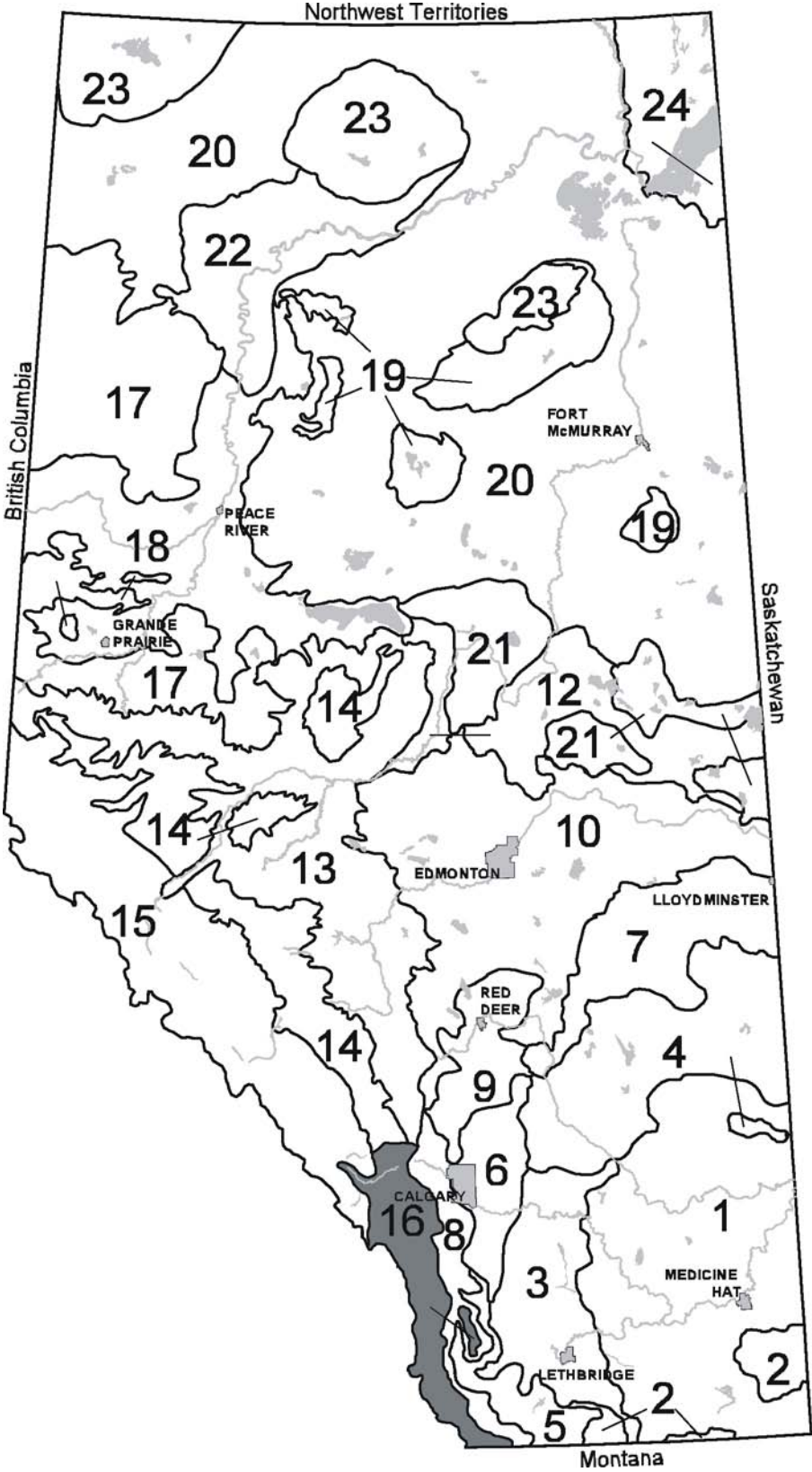
SCA 15 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
FAIRVIEW MTN GARONNE	FVX GAX	BR BR	E.DYB O.EB	N W	N N	C1 M0	VBMC VSME	COLL COLL	- -	- -	Developed on noncalcareous colluvium. Lower subalpine soil. Developed on shallow (<30 cm) eolian veneer overlying undifferentiated materials.
GOAT	GTX	RG	O.R	E	N	M4	GRME	TILL	-	-	Developed on Baker Creek till (calcareous, medium textured till). Profile often has a thin (<30 cm) eolian veneer. Lower subalpine soil.
HAT CREEK HECTOR	HCK HCX	BR GL	E.EB R.G	M S	N N	C2 L0	VC MEMC	GLFL FLUV	- -	- -	Replaced Bickerdike (SCA 14) in SCA 15. Developed on stratified L, SiL, SL, and LS textured fluvial materials (bedded). Finer textured versions also occur. Lower subalpine soil.
HILLSDALE	HDX	RG	CU.R	E	N	L0	MEMC	FLUV	-	-	Developed on stratified L, SiL, SL, and LS textured fluvial materials (bedded). Montane soil.
HEATHER	HEX	BR	O.DYB	N	N	M5	CBME	SRUN	-	BRUN	Developed on weathered and fractured bedrock over hard bedrock. Alpine soil.
ISHBEL ISHBEL-ZR	IBX IBXzr	BR RG	E.EB O.R	E E	N N	M0 M0	VSME VSME	COLL COLL	- -	- -	Developed on very stony landslide colluvium. Lower subalpine soil. Developed on fairly recent, very stony, landslide colluvium. Lower subalpine soil.
JONAS	JNX	BR	O.DYB	N	N	L6	GRME	TILL	VGMC	SRUN	Developed on shallow (softrock and bedrock (but not modally lithic) at 31-99 cm) noncalcareous, gravelly medium textured till. Alpine soil. May also be found as O.EB.
KIA NEA KINKY LEVI-AA	KIA KKY LEVaa	BR BR BR	O.MB E.EB E.EB	S S N	N N N	C2 C2 C6	VC VC MC	EOLI EOLI SRUN	- - -	- - BRUN	Developed on weathered bedrock of the Paskapoo or Brazeau Formation. Member of the Maskuta Association of the Hinton-Edson Report. Home SCA is 14.
LARCH	LVX	BR	E.DYB	N	N	C5	CBMC	TILL	-	-	Developed on Moraine Lake till. Profile often has a thin (<30 cm) eolian veneer. Upper subalpine soil.
MERCOAL-AA	MCLaa	LU	PZ.GL	N	N	L6	ME	TILL	MC	SRUN	Developed on shallow (fragmental sandstone bedrock at 31-99 cm) Robb till and colluvium. Member of the Robb Association in Hinton-Edson Report. Home SCA is 14.
MORAINÉ LAKE	MLX	BR	E.DYB	N	N	C5	CBMC	TILL	-	-	Developed on Moraine Lake till (noncalcareous, stony, coarse textured till). Profile often has a thin (<30 cm) eolian veneer. Lower subalpine soil.
MOLAR	MPX	BR	O.EB	S	N	M4	GRME	TILL	-	-	Developed on Baker Lake till (calcareous, medium textured till). Profile often has a thin (<30 cm) eolian veneer. Alpine soil.
NICKERSON NORQUAY	NKN NYX	RG BR	O.HR O.EB	W E	N N	M2 M4	ME GRME	COLL TILL	- -	- -	New series from Wapiti Report. Developed on Baker Lake till (calcareous, medium textured till). Profile often has a thin (<30 cm) eolian veneer. Montane soil.
OGRE ORCHARD PEYTO	OGR ORC PLX	RG LU BR	O.R D.GL E.EB	S S E	N N N	C3 M2 M4	MC ME GRME	EOLI EOLI TILL	- - -	- - -	Developed on Baker Lake till (calcareous, medium textured till). Profile often has a thin (<30 cm) eolian veneer. Upper subalpine soil.
PIPESTONE	PPX	RG	CU.R	E	N	L0	MEMC	FLUV	-	-	Developed on stratified L, SiL, SL, and LS textured fluvial materials (bedded). Lower subalpine soil. O.R and O.HR versions of PPX soil suite also recognized. Modified profile description May 5/04 to agree with CSSC3.

SCA 15 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
PANORAMA RIDGE	PRX	BR	O.EB	M	N	M4	GRME	TILL	-	-	Developed on Baker Lake till (calcareous, medium textured till). Profile often has a thin (<30 cm) eolian veneer. Lower subalpine soil. Classification and profile description modified (was GLBR.GL) May 7/04.
PATRICIA_X	PTX	BR	E.EB	E	N	M4	GRME	TILL	-	-	Developed on Baker Lake till (calcareous, medium textured till). Montane soil.
PUTZY	PZY	PZ	O.HFP	N	N	C5	GRMC	TILL	-	-	Developed on mountain till derived mainly from acid conglomerate. Conglomerate bedrock within 2 m.
PUTZY-GL	PZYgl	PZ	GL.HFP	N	N	C5	GRMC	TILL	-	-	
REDOUBT	RDX	RG	O.R	N	N	C1	VGMC	COLL	-	-	Developed on noncalcareous, moderately coarse textured colluvium. Alpine soil.
SAWBACK	SBX	BR	O.EB	E	N	M0	VGME	COLL	-	-	Developed on calcareous colluvium. Lower subalpine soil.
SNOWFLAKE	SFX	CY	R.SC	V	N	M4	GRME	TILL	-	-	Developed on soliflucted Baker Lake till (calcareous, medium textured till). Permafrost soil found only on northerly aspects in eastern parts of the Parks, mainly in association with Mesozoic strata.
SHEEP	SHP	LU	BR.GL	M	N	M4	ME	TILL	-	-	Developed on mountain till derived mainly from dark colored shales. Parent material is very dense.
SMOKY-AA	SKYaa	GL	O.LG	M	N	M4	ME	TILL	-	-	Home SCA is 14.
SMOKY-AAPT	SKYaapt	GL	O.LG	M	N	M4	ME	TILL	-	-	Home SCA is 14.
SPRAY	SPX	LU	O.GL	V	N	F1	FI	GLLC	-	-	Developed on calcareous, fine textured glaciolacustrine material. Lower subalpine soil.
STERCO	STC	LU	O.GL	W	N	M5	ME	SRCN	-	-	May be moderately coarse textured (similar to Maskuta (SCA 14)). Member of the Maskuta Association in the Hinton-Edson Report (Coal Branch area).
SIMONETTE-AA	STTaa	GL	FE.G	N	N	C1	VBMC	PGFL	-	-	Developed on tertiary gravels (till-like). Peaty (forest peat) surface. May be O.G as the Bgf horizon is borderline FE.G. Home SCA is 14.
SPHINX	SXX	BR	GL.DYB	N	N	M4	GRME	TILL	-	-	Developed on Egypt Lake till (noncalcareous, medium textured till). Gley features often weakly expressed. Upper subalpine soil.
TALBOT	TAX	RG	O.R	E	N	L3	ME	EOLI	GRME	TILL	Developed on silty eolian veneer overlying calcareous till. Montane soil.
TEKARRA	TKX	BR	O.DYB	N	N	C1	VBVC	COLL	-	-	Developed on colluvium derived from predominantly quartzitic bedrock. May have thin (<30 cm) eolian veneer. Alpine soil.
TORRENS	TOR	LU	O.GL	N	N	F5	FI	SRFN	-	-	Used on Torrens Mountain in sheet 83L.
TYRRELL	TRX	BR	O.EB	E	N	M4	GRME	TILL	-	-	Developed on Baker Lake till (calcareous, medium textured till). Profile often has a thin (<30 cm) eolian veneer. Upper subalpine soil.
TOPAZ	TZX	BR	E.DYB	N	N	C1	VSVC	GLFL	-	-	Developed on weakly cemented, very cobbly to stony ice contact material. Lower subalpine soil.
VERMILLION LAKES	VLX	GL	R.G	E	N	M2	ME	FLUV	-	-	Developed on medium textured, stratified (usually non-gravelly) fluvial material. Montane soil.
WILDFLOWER	WFX	BR	O.EB	E	N	M0	VGME	COLL	-	-	Developed on calcareous colluvium. Upper subalpine soil.
WHITEHORN	WHX	BR	O.DYB	N	N	C1	VGMC	COLL	-	-	Developed on noncalcareous, moderately coarse textured colluvium. May have thin (<30 cm) eolian veneer. Upper subalpine soil.
WARWICK	WWX	RG	O.HR	E	N	M4	GRME	TILL	-	-	Developed on Baker Creek till (calcareous, medium textured till). Neoglacial in age and associated with current glaciers. Lower subalpine soil.

SCA 16
The Montane and Subalpine Areas of South-Western Alberta



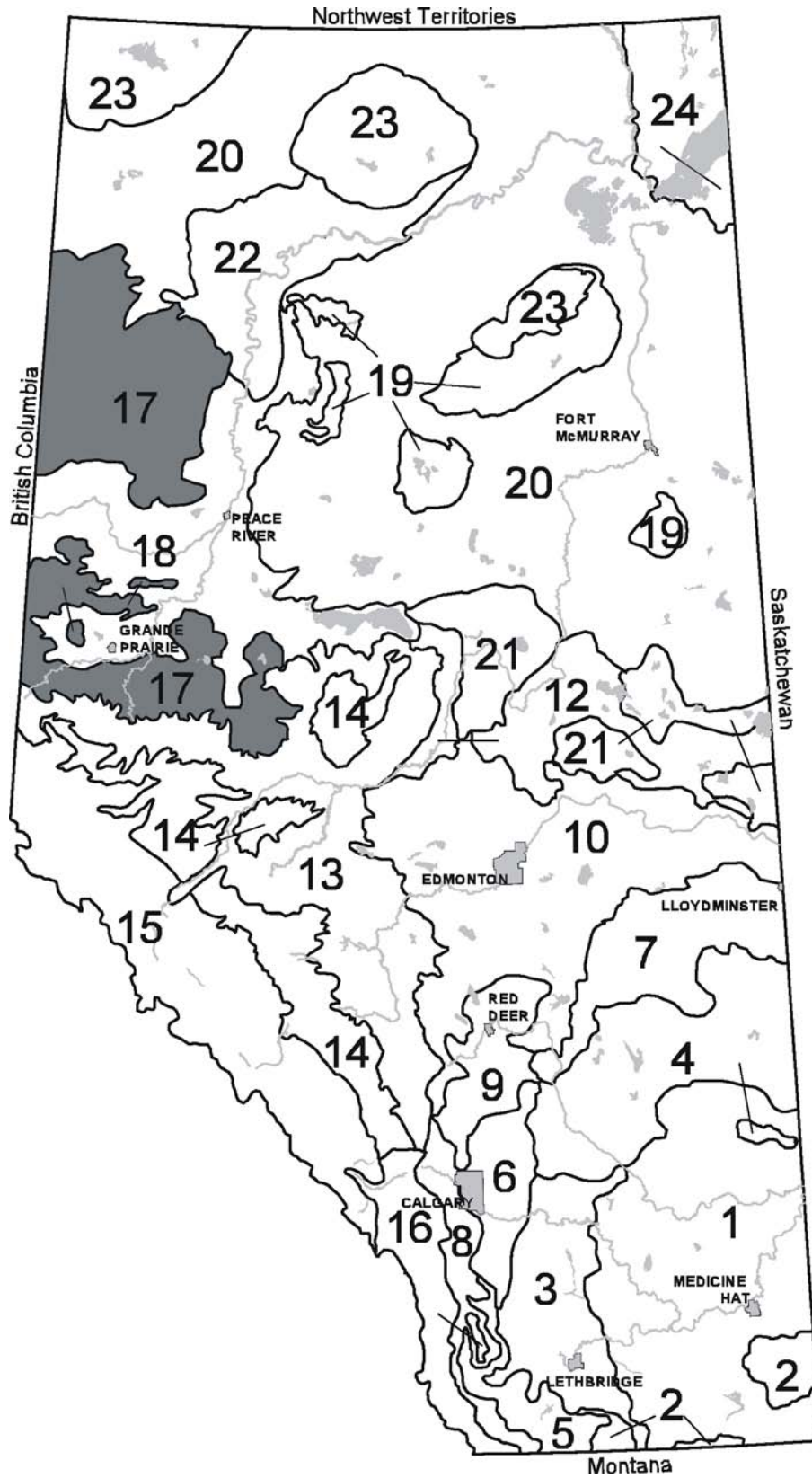
SCA 16

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
BIRDSEYE	BDY	CH	O.DGC	M	N	L6	MF	TILL	FI	SRUN	Developed on shallow (softrock at 31-99 cm) till.
BIRDSEYE-GR	BDYgr	CH	O.DGC	M	N	L6	GRMF	TILL	FI	SRUN	
BELLEVUE	BEV	CH	O.DBC	N	N	L19	GRME	COLL	MF	SRUN	Developed on shallow (bedrock or fractured softrock at 31-99 cm) colluvium over till. High altitude Dark Brown "mountain Chernozem". Described in Pincher Creek Report.
BELLEVUE-ZZ	BEVzz	CH	O.DBC	N	N	L19	GRME	TILL	MF	SRUN	Variant with colluvial veneer absent.
BEAUPRE	BPE	BR	O.EB	M	N	M4	MF	TILL	-	-	Developed on Dunvargan till (?). Described in M.D. of Rockyview Report.
BEAUPRE-XL	BPExl	BR	O.EB	M	N	L6	MF	TILL	-	BRUN	Created June 10, 2005.
BRAGG CREEK	BRG	BR	E.EB	S	N	L5	ME	GLFL	VGVC	GLFL	Described in Calgary Urban Report.
BURMIS-AA	BURaa	CH	R.BLC	E	N	C1	VGVC	GLFL	-	-	Described in Pincher Creek Report. Home SCA is 8.
BEAUVAIS-AA	BVAaa	CH	O.DGC	M	N	M4	MF	TILL	-	-	Developed on Dunvargan till. Described in Cardston and Pincher Creek Reports. Home SCA is 8.
CAW-AA	CAWaa	RG	CU.HR	N	N	L8	MF	COLL	-	BRUN	Home SCA is 15.
CARBONDALE-AA	CBDaa	BR	O.EB	W	N	L6	ME	TILL	-	BRUN	Developed on shallow (softrock at 31-99 cm) till. Equivalent to North Fork (SCA 5). Home SCA is 8.
CROOKED CREEK	CCR	LU	D.GL	M	N	L6	MF	TILL	ME	SRUN	Developed on shallow (softrock at 31-99 cm) till. Described in Cardston Report.
CONNOP	CON	BR	E.EB	V	M	C3	MC	GLFL	-	-	Described in Calgary Urban Report.
DARNELL	DNL	OR	TY.M	N	N	P2	O	FNPT	-	-	Described in M.D. of Rockyview Report.
DRYWOOD-AA	DRWaa	CH	O.BLC	M	N	L5	ME	GLFL	VGVC	GLFL	Home SCA is 8.
DUNVARGAN-AA	DVGaa	CH	O.BLC	M	N	M4	MF	TILL	-	-	Developed on Dunvargan till (moderately to strongly calcareous, mixed Continental and Cordilleran till). Described in Cardston and Pincher Creek Reports. Home SCA is 8.
ELBOW	ELB	LU	D.GL	S	N	F1	FI	GLLC	-	-	Described in Calgary Urban Report.
FRANK	FRK	BR	O.EB	V	N	M1	VGME	COLL	-	-	Described in Pincher Creek Report.
FRANK-XL	FRKxl	BR	O.EB	V	N	L19	VGME	COLL	-	BRLS	
FISH CREEK-AA	FSHaa	CH	O.BLC	M	N	F1	FI	GLLC	-	-	Described in Calgary Urban Report. Also used in Cardston and Pincher areas. Home SCA is 8.
FISH CREEK-AAXT	FSHaaxt	CH	O.BLC	M	N	F1	FI	GLLC	FI	TILL	Home SCA is 8.
HATFIELD-AA	HFDaa	CH	O.BLC	M	N	L6	ME	TILL	ME	SRUN	Developed on shallow (softrock at 31-99 cm) till. Home SCA is 8. Replaced OKY (SCA 5). Still used in AGRASID .
LUNDBRECK-AA	LNBAa	CH	O.BLC	M	N	C1	GRVC	GLFL	-	-	Home SCA is 8.
LEIGHTON CENTRE	LTC	LU	D.GL	M	N	M4	MF	TILL	-	-	Developed on Dunvargan till.
LEIGHTON CENTRE-GR	LTCgr	LU	D.GL	M	N	M6	GRMF	TILL	-	-	Described in Pincher Creek Report.
LEIGHTON CENTRE-XL	LTCxl	LU	D.GL	M	N	L6	MF	TILL	ME	SRUN	
MAYCROFT-AA	MFTaa	CH	O.BLC	M	N	M3	MF	GLLC	-	-	Described in Pincher Creek Report. Home SCA is 8.
MAYCROFT-AAXT	MFTaaxt	CH	O.BLC	M	N	L3	MF	GLLC	MF	TILL	Home SCA is 8.
MCGILLVARY	MGV	BR	E.EB	V	N	C1	VGMC	GLFL	-	-	Described in Pincher Creek Report.
MCGILLVARY-ZZ	MGVzz	BR	O.EB	V	N	C1	VGMC	GLFL	-	-	
MORLEY	MRY	CH	O.DGC	M	N	C1	GRMC	GLFL	-	-	Generally associated with the Morey Flats. Calcareous soils often present.
MESA BUTTE	MSB	CH	O.BLC	W	N	L8	ME	COLL	ME	SRUN	Montane soil.
MESA BUTTE-XL	MSBxl	CH	O.BLC	W	N	L8	ME	COLL	-	BRUN	

SCA 16 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
MITFORD	MTF	OR	T.M	N	N	L12	O	FNPT	MF	TILL	Described in M.D. of Rockyview Report.
OCKEY-AA	OKYaa	CH	O.BLC	M	N	L6	ME	TILL	MT	SRUN	Replaced with Hatfield (SCA 8) in SCA 16.
OUTPOST-AA	OTPaa	CH	O.BLC	M	N	M1	STME	GLFL	-	-	Described in Cardston and Pincher Creek Reports. Home SCA is 8.
POTHOLE CREEK-AA	POTaa	GL	O.HG	M	N	F1	FI	GLLC	-	-	Home SCA is 8.
PORCUPINE-AA	PPEaa	CH	O.BLC	M	N	M2	ME	COLL	-	-	Home SCA is 8. Usually associated with the leeward side of the bedrock ridges in the Foothills. Ah usually >50 cm.
ROBINSON	RSN	LU	D.GL	W	N	F4	FI	TILL	-	-	Described in Calgary Urban Report. Often mapped with Elbow .
ROBINSON-ZZ	RSNzz	LU	O.GL	W	N	F4	FI	TILL	-	-	
SKYLINE	SKL	BR	E.EB	N	N	C6	MC	SRUN	-	-	Developed on SL to LS textured sandstone (softrock). Associated with unglaciated portions of the Porcupine Hills.
SPRUCE RIDGE	SPR	LU	O.GL	M	N	M4	GRMF	TILL	-	-	Developed on somewhat gravelly or cobbly variant of Dunvargan till. Described in Cardston and Pincher Creek Reports. 6H agroclimate.
SPRUCE RIDGE-GR	SPRgr	LU	O.GL	M	N	M6	GRMF	TILL	-	-	Described in Calgary Urban Report.
SPRUCE RIDGE-XP	SPRxp	LU	O.GL	M	N	L6	GRMF	TILL	GRME	SRUN	Described in Cardston and Pincher Creek Reports. 6H agroclimate.
SARCEE-AA	SRCaa	CH	O.BLC	M	N	M2	ME	FLUV	-	-	Home SCA is 8. Ah usually <50 cm
TWIN BRIDGES-AA	TBRaa	RG	GL.HR	E	N	C3	MC	FLUV	-	-	Home SCA is 8.
TODD CREEK	TDC	CH	GL.DGC	V	N	L5	MF	FLUV	GRMF	FLUV	Developed in fluvial material that is the product of mudflows. Described in Pincher Creek Report.
TODD CREEK-GR	TDCgr	CH	GL.DGC	V	N	M1	GRMF	FLUV	-	-	Gravels throughout profile, no stone-free veneer.
TODD CREEK-ZZ	TDCzz	CH	O.DGC	V	N	L5	MF	FLUV	GRMF	FLUV	
TOUGH CREEK	TUC	LU	O.GL	M	N	L6	MF	TILL	MC	SRCN	Developed on shallow (softrock at 31-99 cm) till. Described in Cardston Report.
WESTCASTLE	WCT	LU	O.GL	N	N	M6	STME	TILL	-	-	Developed on Illinoian aged till, at elevations above 1750 m. in SW. Alberta.
WILDCAT	WDC	GL	HU.LG	M	N	L3	MF	GLLC	MF	TILL	Described in M.D. of Rockyview Report.
WILLOUGHBY	WLB	BR	E.DYB	N	N	M6	ME	TILL	GRME	TILL	Described in Pincher Creek Report.
WILLOUGHBY-XL	WLBxl	BR	E.DYB	N	N	M6	ME	TILL	GRME	TILL	
WILLOUGHBY-ZZ	WLBzz	BR	O.DYB	N	N	M6	ME	TILL	GRME	TILL	
WATERTON	WTX	PZ	O.HFP	N	N	M4	ME	TILL	-	-	

SCA 17
The Central Mixedwood and Lower Foothill Areas
of North-Western Alberta



SCA 17

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
ALCAN	ALC	LU	O.GL	W	N	F4	FI	TILL	-	-	Developed on Alcan till (moderately fine to fine textured acid shale materials with lime and salts at depth, derived from Kaskapau and Dunvegan Formations). Originally classified as Solod or Solonetzic (Solodic) Gray Luvisol but few pedons qualify both structurally and chemically.
ALCAN-CO	ALCco	LU	O.GL	W	N	M4	MF	TILL	-	-	
ASPLUND CREEK	ASP	LU	GLD.GL	W	N	F3	FI	GLTL	-	-	Replaced Esher (SCA 18) in SCA 17. Includes some profiles with a solonetzic-like B horizon. Drainage changed to MW, Nov.27/03.
ASPLUND CREEK-XT	ASPxt	LU	GLD.GL	W	N	L14	FI	GLTL	MF	TILL	Replaced Esher-xt (SCA 18) in SCA 17. Drainage changed to MW, Nov.27/03.
BRAATEN	BAN	LU	BR.GL	W	N	L9	MC	GLFL	FI	GLLC	Surface material may be VC. Combination of coarse over fine GLLC seems unlikely based on present maps; silty GLLC seems more likely. Often associated with Latornell .
BRAEBURN	BBN	LU	O.GL	W	N	M4	MF	TILL	-	-	Developed on Braeburn till (derived from weakly calcareous, somewhat stony, medium to moderately fine textured materials derived from Smoky and Wapiti Formations of Late Cretaceous age (may also be used on Kaskapau and Dunvegan Formations-derived till in the Grimshaw area)). If two Ae horizons present in profile use Hillburn.
BRAEBURN-ST	BBNst	LU	O.GL	W	N	M6	STMF	TILL	-	-	
BRAEBURN-XP	BBNxp	LU	O.GL	W	N	L6	MF	TILL	MC	SRCN	
BLUEBERRY	BRY	LU	GL.GL	W	W	F4	FI	TILL	-	-	Developed on Hazelmere till (moderately fine to fine textured, weakly calcareous materials, often stratified with gravelly or stony layers (SL to C textured) and includes slumped till-like materials). Replaced Hazelmere (non-solonetzic version) (SCA 18) in SCA 17. Drainage changed to MW, Nov. 27/03.
BLUEBERRY-XP	BRYxp	LU	GL.GL	W	W	L6	FI	TILL	FI	SRFN	Fine-grained softrock within 1 m. Drainage changed to MW, Nov.27/03.
BAY TREE	BTR	GL	O.HG	W	N	M4	MF	TILL	-	-	Replaced Goose (till version) (SCA 18) in SCA 17.
BAY TREE-PT	BTRpt	GL	O.HG	W	N	M4	MF	TILL	-	-	
BOUNDARY	BUD	LU	O.GL	N	N	L6	MF	TILL	FI	SRFN	Developed on shallow (acid shale softrock (seldom lithic) at 31-99 cm) Alcan till. Some E.DYB profiles included.
CALAIS	CAL	LU	GL.GL	W	N	F3	FI	GLTL	-	-	Equivalent to Donnelly (SCA 18). Textures, especially of B horizons, often HC (60-65% C). Drainage changed to MW, Nov.27/03.
CALAIS-XP	CALxp	LU	GL.GL	W	N	L16	FI	GLTL	FI	SRFN	Fine-grained softrock within 1 m. Drainage changed to MW, Nov.27/03.
CHINCHAGA	CGA	OR	TY.M	N	N	P2	O	FNPT	-	-	Sedge (fen) peat. Replaced Eaglesham (typic version) (SCA 18) as Mesisol on sedge-dominated peat in SCA 17.
CHINCHAGA-XC	CGAxc	OR	T.M	W	N	L13	O	FNPT	FI	GLLC	Sedge (fen) peat underlain by mineral soil. Replaced Eaglesham (terrific version) (SCA 18) as Mesisol on sedge-dominated peat overlying fine to very fine textured GLLC material in SCA 17.
CHINCHAGA-XS	CGAxs	OR	T.M	W	N	L11	O	FNPT	VC	GLFL	Sedge (fen) peat underlain by mineral soil. Replaced Eaglesham (terrific version) (SCA 18) as Mesisol on sedge-dominated peat overlying coarse to very coarse textured GLFL material in SCA 17.

SCA 17 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
CHINCHAGA-XT	CGAxt	OR	T.M	W	N	L12	O	FNPT	MF	TILL	Sedge (fen) peat underlain by mineral soil. Replaced Eaglesham (terrific version) (SCA 18) as Mesisol on sedge-dominated peat overlying medium to moderately fine textured TILL material in SCA 17.
CHINCHAGA-XU	CGAxu	OR	T.M	W	N	L12	O	FNPT	MF	UNDM	Sedge (fen) peat underlain by mineral soil. Replaced Eaglesham (terrific version) (SCA 18) as Mesisol on sedge-dominated peat overlying medium to moderately fine textured undifferentiated (most likely waterlain) material in SCA 17.
CORNELIA	CNA	LU	GL.GL	W	N	M4	MF	TILL	-	-	Developed on Braeburn till. Replaced Burnt (SCA 18) in SCA 17.
CLOUSTON-AA	CSTaa	LU	O.GL	W	N	C1	GRVC	GLFL	-	-	Home SCA is 18 (switched from SCA 17 in April '97).
CULP-AA	CULaa	LU	O.GL	M	N	C3	MC	GLFL	-	-	Home SCA is 18.
CORNWALL	CWL	GL	O.LG	M	N	M2	ME	GLFL	-	-	Developed on medium textured parent material (GLLC, GLFL or FLLC). Modal pedon for Wanham-Cornwall suite is CWL . New name created June '97 to replace WHM (SCA 18) in SCA 17. Similar to Bede Creek (SCA 22).
CORNWALL-PT	CWLpt	GL	O.LG	M	N	M2	ME	GLFL	-	-	
DEBOLT	DBO	SZ	G.SO	W	M	M5	MF	SRFS	-	-	Commonly has thin veneer of till and includes limited extent of similar soils on L6 and F5 materials. Some G.SS profiles included.
ECONOMY	ECY	LU	O.GL	W	N	L9	MC	GLFL	FI	GLLC	Texture of surface GLFL material similar to Halvorson and Codessa (SCA 18), although it may include some VC textures. This combination (MC-GLFL/FI-GLLC) may be rare in SCA 17 - underlying lacustrine might be coarser textured.
ECONOMY-GR	ECYgr	LU	O.GL	W	N	L9	GRMC	GLFL	FI	GLLC	Texture of upper materials more likely VC.
ECONOMY-ST	ECYst	LU	O.GL	W	N	L9	STMC	GLFL	FI	GLLC	Texture of upper materials more likely VC.
EUREKA	EKA	LU	D.GL	W	N	L9	MC	GLFL	FI	GLLC	Texture of overly may be VC in some cases. Underlying fine textured material may be GLLC or GLTL. Replaced Belloy-xc (SCA 18) in SCA 17.
EUREKA-GR	EKAgr	LU	D.GL	W	N	L9	GRMC	GLFL	FI	GLLC	Texture of overly may be VC in some cases. Underlying fine textured material may be GLLC or GLTL. Replaced Belloy-grxc (SCA 18) in SCA 17.
EUREKA-ST	EKAst	LU	D.GL	W	N	L9	STMC	GLFL	FI	GLLC	Texture of overly may be VC in some cases. Underlying fine textured material may be GLLC or GLTL. Replaced Belloy-stxc (SCA 18) in SCA 17.
ELMWORTH-AA	EMWaa	LU	D.GL	W	N	F3	FI	GLTL	-	-	Home SCA is 18.
ENILDA-AA	ENDaa	GL	O.HG	W	N	M2	ME	FLUV	-	-	Typically developed on layered sediments associated with depressions (potholes, channels) of fluvial fans. Often mapped in association with the better drained High Prairie-aa soils. These soils are rarely cultivated. Home SCA is 18.
FALHER-AA	FALaa	CH	GLSZ.DG C	W	W	F2	VF	GLLC	-	-	May not be quite as fine textured as modal Falher . Some GLD.GL (SZ var.) included under native conditions, which are rare. Drainage changed to MW, Nov.27/03. Home SCA is 18.
GOODFARE	GFR	LU	GLSZ.GL	W	W	F3	FI	GLTL	-	-	Similar to Calais but with "solonetzic tendencies". Originally (1996) established in SCA 18 but mapped mainly in SCA 17, therefore switched home SCA to 17 in 1997. Drainage changed to MW, Nov.27/03.

SCA 17 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
GRIMSHAW-AA	GMWaa	SZ	DG.SS	W	M	F3	FI	GLTL	-	-	The most common form of Grimshaw-aa occurs on Esher-aa-Donnelly-aa type parent material (GLTL). Textures commonly HC to C. Other variants include those with gleying in upper horizons. Home SCA is 18.
GUNDERSON	GUN	GL	R.G	W	N	C3	MC	GLFL	-	-	Developed on stratified, mainly moderately coarse textured, nearly coarse fragment free materials. Some variants with till or GLLC deposits within 1 m, or with peaty surfaces may be included.
GUNDERSON-PT	GUNpt	GL	R.G	W	N	C3	MC	GLFL	-	-	Peaty version may be more common than non-peaty. Variants with till or GLLC deposits within 1 m may be common.
HILLBURN	HBR	LU	O.GL	W	N	M4	MF	TILL	-	-	Equivalent to Braeburn with two Ae horizons in profile.
HILLBURN-XP	HBRxp	LU	O.GL	W	N	L6	MF	TILL	MC	SRCN	
HIGH PRAIRIE-AA	HPEaa	CH	GL.DGC	W	N	M2	ME	FLUV	-	-	Typically developed on layered sediments, the upper horizons often finer textured (SiCL-CL-C), associated with broad fluvial fans and plains. Sufficiently dry for cultivation in most years. Often mapped in association with poorly drained Enilda soils. Changed classification to GL.DGC, Nov. 27/03. Home SCA is 18.
HALVERSON	HVN	LU	O.GL	W	N	L2	MC	GLFL	MF	TILL	Similar to Codesa (SCA 18) and Hutch Lake (SCA 22). Includes some profiles with VC textured overlay (30-100 cm). Bt's may be weakly developed in some cases - Dystric Brunisols may be included.
HALVERSON-GR	HVNgr	LU	O.GL	W	N	L1	GRMC	GLFL	MF	TILL	
HALVERSON-ST	HVNst	LU	O.GL	W	N	L1	STMC	GLFL	MF	TILL	
IROQUOIS	IRQ	LU	O.GL	M	N	M2	ME	GLFL	-	-	Equivalent to Davis (SCA 18). Replaced Davis-aa in SCA 17.
IROQUOIS-GLXT	IRQglxt	LU	GL.GL	M	N	L3	ME	GLFL	ME	TILL	
JOSEPHINE-AA	JOPaa	GL	HU.LG	N	N	F5	FI	SRFN	-	-	Developed on acidic weathered shale softrock (possibly GLLC in some cases). Mapped with Alcan and Boundary in the Clear Hills (Cherry Point and Hines Creek Report #23). Home SCA is 18.
KAMISAK	KAM	LU	GLSZ.GL	W	W	F4	FI	TILL	-	-	Developed on Hazelmere till. Replaced Hazelmere (solonetzic version) (SCA 18) in SCA 17. Drainage changed to MW, Nov.27/03.
KAMISAK-XP	KAMxp	LU	GLSZ.GL	W	W	L6	FI	TILL	FI	SRFN	Fine-grained softrock within 1 m. Drainage changed to MW, Nov.27/03.
KLESKUN-AA	KKNaa	SZ	GLBL.SZ	W	W	F2	VF	GLLC	-	-	Formerly classified as BL.SZ. Drainage changed to MW, Nov.27/03. Home SCA is 18.
KATHLEEN-AA	KTHaa	LU	O.GL	M	N	F1	FI	GLLC	-	-	Home SCA is 18.
LANDRY-AA	LADaa	CH	SZ.BLC	W	W	F3	FI	GLTL	-	-	Developed on the same parent material as Donnelly . Texture of parent material ranges from C-SiC-HC (to about 65% C), and B horizons are often HC. Some GLSZ.BLC profiles included. Rare or nonexistent in SCA 17. Home SCA is 18.
LATORNELL	LAT	LU	BR.GL	W	N	L2	MC	GLFL	MF	TILL	Replaced Pinto (till version) (SCA 13) and Peppers (till version) (SCA 14) in SCA 17. Includes some profiles with VC textured surface.
LA GLACE	LGC	GL	O.HG	M	N	M2	ME	GLFL	-	-	Developed on medium textured GLLC, GLFL or FLLC parent material. Replaced Codner (SCA 13) in SCA 17.
LA GLACE-PT	LGCpt	GL	O.HG	M	N	M2	ME	GLFL	-	-	
LEITH-AA	LIHaa	LU	D.GL	M	N	C3	MC	GLFL	-	-	Home SCA is 18.
MOUNTAIN CREEK	MCK	BR	E.EB	M	N	C2	VC	GLFL	-	-	Replaced Bickerdike (SCA 14) in SCA 17.

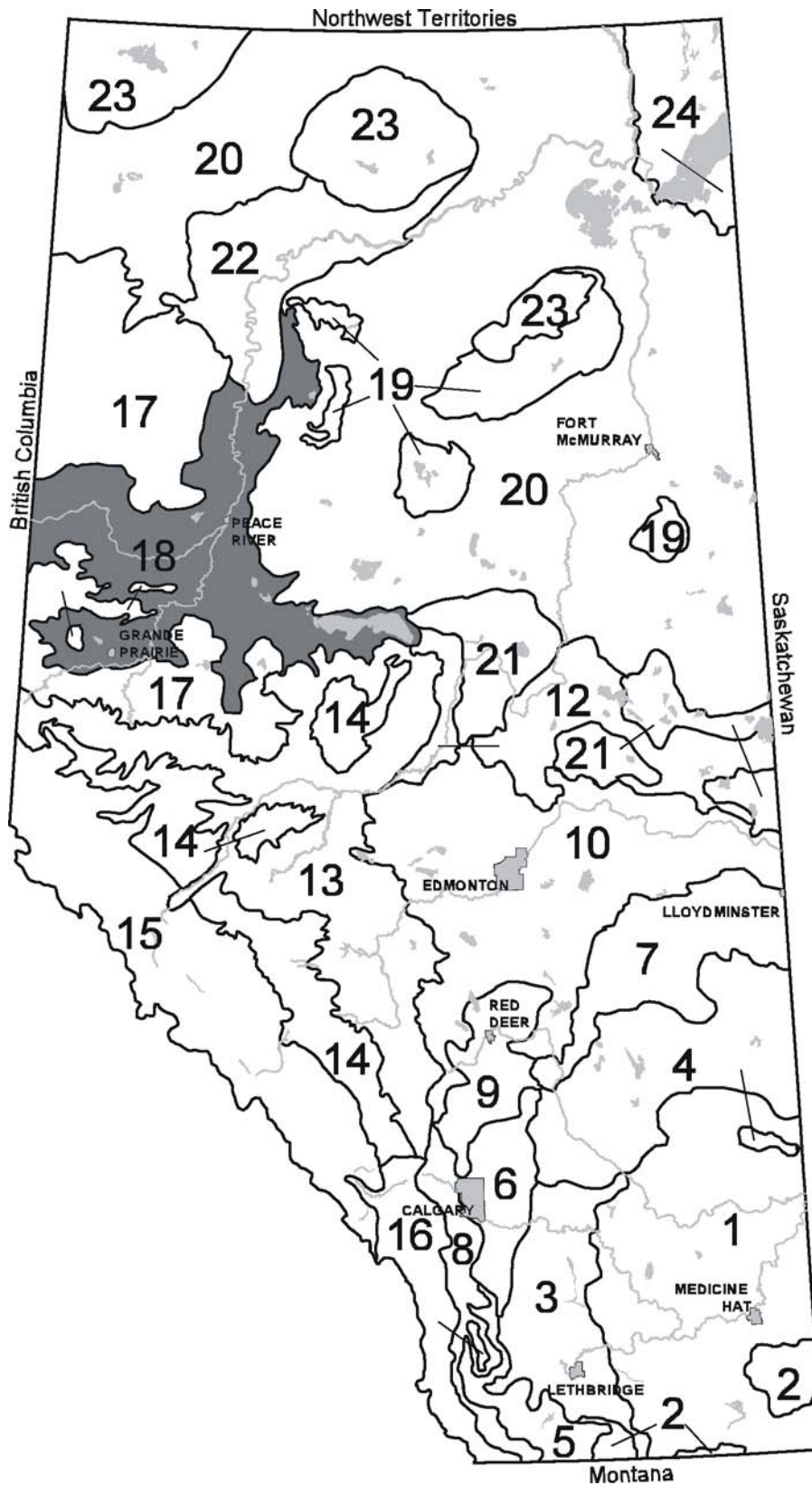
SCA 17 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
MOONSHINE	MNS	GL	O.LG	W	N	M4	MF	TILL	-	-	Replaced Snipe on till in SCA 17.
MOONSHINE-PT	MNSpt	GL	O.LG	W	N	M4	MF	TILL	-	-	
MUSREAU	MSR	OR	TY.M	N	N	P1	O	SPPT	-	-	Sphagnum (bog) peat. Replaced Kenzie (typic version) (SCA 18) as Mesisol on sphagnum-dominated peat in SCA 17.
MUSREAU-XC	MSRxc	OR	T.M	W	N	L13	O	SPPT	FI	GLLC	Sphagnum (bog) peat underlain by mineral soil. Replaced Kenzie (terrific version) (SCA 18) as Mesisol on sphagnum-dominated peat overlying fine to very fine textured GLLC materials in SCA 17.
MUSREAU-XS	MSRxs	OR	T.M	W	N	L11	O	SPPT	MC	GLFL	Sphagnum (bog) peat underlain by mineral soil. Replaced Kenzie (terrific version) (SCA 18) as Mesisol on sphagnum-dominated peat overlying coarse to very coarse textured GLFL materials in SCA 17.
MUSREAU-XT	MSRxt	OR	T.M	N	N	L12	O	SPPT	MF	TILL	Sphagnum (bog) peat underlain by mineral soil. Replaced Kenzie (terrific version) (SCA 18) as Mesisol on sphagnum-dominated peat overlying moderately fine textured till in SCA 17.
MUSREAU-XU	MSRxu	OR	T.M	W	N	L12	O	SPPT	MF	UNDM	Sphagnum (bog) peat underlain by mineral soil. Replaced Kenzie (terrific version) (SCA 18) as Mesisol on sphagnum-dominated peat overlying medium to moderately fine textured undifferentiated (most likely waterlain) materials in SCA 17.
MURDALE-AA	MUDaa	LU	D.GL	W	W	F4	FI	TILL	-	-	Developed on Alcan till. Originally classified as DG.SO but few pedons qualify morphologically and chemically. Home SCA changed to 18, March '97.
NAMPA-AA	NMAaa	LU	GLSZ.GL	W	W	F2	VF	GLLC	-	-	Drainage changed to MW, Nov.27/03. Home SCA is 18.
NORTHMARK	NMK	LU	D.GL	W	N	L2	MC	GLFL	MF	TILL	Replaced Belloy (SCA 18) in SCA 17. Includes some profiles with VC textured overlay (30-100 cm).
NORTHMARK-GR	NMKgr	LU	D.GL	W	N	L1	GRMC	GLFL	MF	TILL	
NORTHMARK-ST	NMKst	LU	D.GL	W	N	L1	STMC	GLFL	MF	TILL	
NOSE	NOS	LU	BR.GL	M	N	C1	GRVC	GLFL	-	-	May be very gravelly very coarse textured and weakly calcareous. Includes some profiles with thin (<30 cm) silty-loamy textured veneer. Originally classified as PZ.GL.
RYCROFT-AA	RYFaa	CH	GLSZ.BL	W	W	F2	VF	GLLC	-	-	Drainage changed to MW, Nov.27/03. Home SCA is 18.
SADDLE-AA	SADaa	LU	D.GL	W	N	M4	MF	TILL	-	-	Developed on Braeburn till. Home SCA is 18.
SNIPE	SIP	GL	O.LG	W	N	F2	VF	GLLC	-	-	Temporary - "All encompassing" entry for AGRASID only.
SNIPE-PT	SIPpt	GL	O.LG	W	N	F2	VF	GLLC	-	-	
SUNSET	SST	LU	GLD.GL	W	N	F4	FI	TILL	-	-	Developed on Alcan till. Drainage changed to MW, Nov.27/03.
SWEATHOUSE	SWH	GL	O.HG	W	W	F3	FI	GLTL	-	-	Introduced in 1995 to replace Goose (SCA 18) in SCA 17.
SWEATHOUSE-PT	SWHpt	GL	O.HG	W	W	F3	FI	GLTL	-	-	Replaced Goose-pt (SCA 18) in SCA 17.
TANGENT-AA	TAGaa	LU	D.GL	M	N	M2	ME	GLFL	-	-	Home SCA is 18.
TANGENT-AAXT	TAGaaxt	LU	D.GL	M	N	L3	ME	GLFL	ME	TILL	Home SCA is 18.
TOAD	TOD	LU	BR.GL	M	N	M2	ME	GLFL	-	-	Developed on SiL textured deltaic (usually) material. Common south of Wapiti River. Represented in Beaverlodge and Blueberry Mountain Report #20 by TOD-xc .
TOAD-XC	TODxc	LU	BR.GL	W	N	L10	ME	GLFL	FI	GLLC	
TEEPEE	TPE	BR	E.DYB	N	N	C6	VC	SRCN	-	-	Developed on acidic weathered sandstone. Formerly a complex that included BR.GL and O.GL profiles, and soils with finer textured overlays.

SCA 17 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
TEEPEE-XL	TPExl	BR	E.DYB	N	N	C6	VC	SRCN		BRSS	May be the most common form of Teepee .
VALLEYVIEW-AA	VVWaa	SZ	DG.SS	W	M	F5	FI	SRFS	-	-	Home SCA is 18.
WAPITI	WAP	BR	E.EB	W	N	C2	VC	EOLI	-	-	Developed on sand dunes. Lime usually occurs at considerable depth. Formerly a complex that included O.EB, O.GL, BR.GL, and possibly some Dystric Brunisols. Replaced Heart (SCA 18) in SCA 17.
WAPITI-ZL	WAPzl	LU	BR.GL	M	N	C3	MC	EOLI	-	-	Developed on slightly finer textured, more calcareous dune sands in SCA 17. Extracted BR.GL variant from old concept (complex).
WAPITI-ZZ	WAPzz	BR	E.DYB	N	N	C2	VC	EOLI	-	-	Developed on acidic, noncalcareous dune sands in SCA 17. Extracted acid variant from old concept (complex). Profile description similar to that used in Iosogun Report #43 for Peers-ac (SCA 13).
WILKIN	WIL	LU	SZ.GL	W	N	F4	FI	TILL	-	-	Developed on Hazelmere till. Series mapped and adopted in 1996 (name added in Spring 1997).

SCA 18
Dark Gray and Black Soil Zone of the South Peace Area



SCA 18

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
ALBRIGHT	AGH	LU	GLD.GL	W	W	F4	FI	TILL	-	-	Equivalent to dark gray Hazelmere . Solonetzic features variant most common, otherwise use Bezanson . Symbol changed from ABT Jan. '91. Home assigned to SCA 18 in Mar. '95. Reverted to "near original" concept Jan. '97. Drainage changed to MW, Nov. 27/03.
ALCAN-AAXP	ALCaaxp	LU	O.GL	W	N	L16	FI	TILL	FI	SRUN	Developed on shallow (softrock at 31-99 cm) Alcan till. Home SCA is 17.
BEZANSON	BEZ	LU	GLD.GL	W	W	F4	FI	TILL	-	-	Equivalent to dark gray Hazelmere . If solonetzic features variant most common, use Albright . Drainage changed to MW, Nov. 27/03.
BELLOY	BLY	LU	D.GL	W	N	L2	MC	GLFL	MF	TILL	Similar to Caribou (SCA 22).
BELLOY-GR	BLYgr	LU	D.GL	W	N	L1	GRMC	GLFL	MF	TILL	Similar to Caribou-gr (SCA 22).
BELLOY-GRXC	BLYgrxc	LU	D.GL	W	N	L9	GRMC	GLFL	FI	GLLC	
BELLOY-ST	BLYst	LU	D.GL	W	N	L1	STMC	GLFL	MF	TILL	Similar to Caribou-st (SCA 22).
BELLOY-STXC	BLYstxc	LU	D.GL	W	N	L9	STMC	GLFL	FI	GLLC	
BELLOY-XC	BLYxc	LU	D.GL	W	N	L9	MC	GLFL	FI	GLLC	Equivalent to shallow (C to SiC textured GLLC or GLTL material at 31-99 cm) Belloy . Overlay may be very coarse textured in some cases (BLYxcco). Similar to Rocky Lane (SCA 22).
BURNT	BNT	LU	GL.GL	W	N	M4	MF	TILL	-	-	Equivalent to gleyed Woking .
BRONCO	BOC	CH	O.BLC	M	N	L10	MF	GLLC	-	-	Parent material is mainly SiL overlying SiC to C textured GLLC. It occurs mainly on upper slopes of "humpy" landforms in the Spirit River area. Close to E.BL (overlap with Peoria in past).
BLUESKY	BSY	CH	SZ.DGC	W	W	F2	VF	GLLC	-	-	
BROWVALE	BWV	LU	GLSZ.GL	W	W	F4	FI	TILL	-	-	Equivalent to solonetzic Hazelmere . Probably close to the original concept of HZM . Established after CAESA-SIP update mapping in 1996. Drainage changed to MW, Nov. 27/03.
BERWYN	BYN	LU	D.GL	W	N	M6	MF	TILL	-	-	Equivalent to dark gray Whitelaw . Symbol changed from BWY to BYN April '97.
CLEARDALE	CLL	LU	GL.GL	W	W	F2	VF	GLLC	-	-	Drainage changed to MW, Nov. 27/03.
CODESA	COS	LU	O.GL	W	N	L2	MC	GLFL	MF	TILL	Series includes profiles with overlays that may be very coarse textured. Underlying material GLTL or GLLC. Similar to Halverson (SCA 17) and Hutch Lake (SCA 22).
CODESA-GR	COSgr	LU	O.GL	W	N	L1	GRMC	GLFL	MF	TILL	
CODESA-GRXC	COSgrxc	LU	O.GL	W	N	L9	GRMC	GLFL	FI	GLLC	Texture of underlying material is C to SiC.
CODESA-ST	COSst	LU	O.GL	W	N	L1	STMC	GLFL	MF	TILL	
CODESA-STXC	COSstxc	LU	O.GL	W	N	L9	STMC	GLFL	FI	GLLC	Texture of underlying material is C to SiC.
CODESA-XC	COSxc	LU	O.GL	W	N	L9	MC	GLFL	FI	GLLC	Texture of underlying material is C to SiC. Similar to Carcajou (SCA 22).
CODESA-XP	COSxp	LU	O.GL	W	N	L7	MC	GLFL	MF	SRFN	
CARDINAL	CRN	LU	D.GL	W	N	M2	ME	GLFL	-	-	Similar to Tangent but profile is weakly calcareous at depth and neutral (acid?). Also has some coarse fragments throughout profile.
CLOUSTON	CST	LU	O.GL	W	N	C1	GRVC	GLFL	-	-	Mapping includes some very gravelly very coarse textured soils. Switched to SCA 18 (from 17) and changed symbol from CUN Apr. '97. Similar to Ponton (SCA 22).
CADOTTE	CTE	LU	GLSZ.GL	M	W	F2	VF	GLLC	-	-	Drainage changed to MW, Nov. 27/03. Similar to Scully (SCA 22).

SCA 18 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
CULP	CUL	LU	O.GL	M	N	C3	MC	GLFL	-	-	Developed on stratified (banded) material, commonly with a clay bulge in the Bt horizon due to presence of lamellae. Older maps commonly include coarser variant (CULco) under CUL name. Similar to Linton Lake (SCA 22).
CULP-CO	CULco	LU	O.GL	M	N	C2	VC	GLFL	-	-	Bt horizon has clay lamellae. Similar to Sled Island (SCA 22).
CULP-ST	CULst	LU	O.GL	M	N	C1	STMC	GLFL	-	-	Profile with 10-20% stones, cobbles and gravels.
COYGARY	CYY	GL	HU.LG	M	N	F1	FI	GLLC	-	-	Found and mapped in 1995-96. Also mapped on F2, F3, and F4 (inclusions) parent materials. Peaty variant rare.
DEBOLT-AA	DBOaa	SZ	G.SO	W	M	M5	MF	SRFS	-	-	Commonly has thin veneer of till and includes limited extent of similar soils on L6 and F5 materials. Some G.SS profiles included. Home SCA is 17.
DIMSDALE	DMD	CH	E.BLC	W	N	F3	FI	GLTL	-	-	Slightly less saline than Landry .
DONNELLY	DON	LU	GL.GL	W	N	F3	FI	GLTL	-	-	Textures (especially of B horizons) may be heavy clay (60-65% C). Some GLSZ.GL profiles included, but these commonly included with Nampa. Drainage changed to MW, Nov. 27/03.
DONNELLY-XT	DONxt	LU	GL.GL	W	N	L14	FI	GLTL	MF	TILL	Equivalent to shallow (moderately fine textured till (Hazelmere till?)) at 31-99 cm) Donnelly . Drainage changed to MW, Nov. 27/03.
DUNVEGAN	DUN	CH	O.DGC	M	N	F1	FI	GLLC	-	-	
DAVIS	DVS	LU	O.GL	M	N	M2	ME	GLFL	-	-	Similar to High Level (SCA 22).
DAVIS-FI	DVSfi	LU	O.GL	M	N	M3	MF	GLFL	-	-	
DAVIS-SC	DVSsc	LU	O.GL	M	M	M2	ME	GLFL	-	-	
DAVIS-XC	DVSxc	LU	O.GL	M	N	L10	ME	GLFL	MF	GLLC	
DIXONVILLE	DXV	LU	O.GL	W	N	F4	FI	TILL	-	-	Developed on Alcan till (moderately fine to fine textured acid shale materials with lime and salts at depth, derived from Kaskapau and Dunvegan Formations). Modal texture is clay but clay loam till also common. New name to replace Alcan (SCA 17) in SCA 18, Mar. 97'.
EAGLESHAM	EGL	OR	T.M	W	N	L13	O	FNPT	FI	GLLC	Mesisols developed on sedge (fen) peat underlain by mineral soil. Likely includes TFI.M. Formerly EGLxc (Gen. 2) but no TY.M reported on lowland areas in the southern Peace. pH typically higher than in KNZ soils, carbonates common in 2C horizon. Similar to Mustus Lake (SCA 22).
EAGLESHAM-XS	EGLxs	OR	T.M	W	N	L11	O	FNPT	MC	GLFL	Eaglesham with underlying coarse to very coarse textured (commonly SL) GLFL material.
EAGLESHAM-XT	EGLxt	OR	T.M	W	N	L12	O	FNPT	MF	TILL	Eaglesham with underlying moderately fine textured till (Braeburn till?).
EAGLESHAM-XU	EGLxu	OR	T.M	W	N	L12	O	FNPT	MF	UNDM	Eaglesham with underlying medium textured undifferentiated material, perhaps FLUV or GLFL.
ELMWORTH	EMW	LU	D.GL	W	N	F3	FI	GLTL	-	-	If solonetzic features and saline C horizon present in profile use Witham .
ENILDA	END	GL	O.HG	W	N	M2	ME	FLUV	-	-	Typically developed on layered sediments associated with depressions (potholes, channels) of fluvial fans. Often mapped in association with the better drained High Prairie soils. These soils are rarely cultivated.
ENILDA-PT	ENDpt	GL	O.HG	W	N	M2	ME	FLUV	-	-	
ESHER	ESH	LU	GLD.GL	W	W	F3	FI	GLTL	-	-	Drainage changed to MW, Nov.27/03.

SCA 18 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
ESHER-XT	ESHxt	LU	GLD.GL	W	N	L14	FI	GLTL	MF	TILL	Equivalent to shallow (moderately fine textured till (Hazelmere till?) at 31-99 cm) Esher . Upper material textures range from C-SiC-HC. Drainage changed to MW, Nov. 27/03.
EAST PRAIRIE	ETP	CH	GL.DGC	W	N	L14	FI	FLUV	MF	FLUV	Changed classification to GL.DGC, Nov. 27/03.
FALHER	FAL	CH	GLSZ.DG	W	W	F2	VF	GLLC	-	-	Equivalent to solonetzic Northstar . Originally classified GLDG.SO. May be GLD.GL (solonetzic variant) in rare native condition. Drainage changed to MW, Nov. 27/03.
FITZSIMMONS	FTZ	LU	GLD.GL	W	N	M4	MF	TILL	-	-	Equivalent to gleyed Saddle .
FAIRVIEW	FVW	CH	O.BLC	W	N	M6	MF	TILL	-	-	Developed on Hazelmere till. May have a thin coarse textured veneer. Mapped only in the Fairview area.
FLYINGSHOT	FYS	CH	E.BLC	W	W	F2	VF	GLLC	-	-	
GOODWIN	GDN	GL	O.HG	W	N	M4	MF	TILL	-	-	Replaced Goose on till in SCA 18.
GOODWIN-PT	GDNpt	GL	O.HG	W	N	M4	MF	TILL	-	-	
GRIFFIN	GIF	GL	R.HG	M	N	M2	ME	GLFL	-	-	Equivalent to rego Wembley . Also mapped on finer (CL) and coarser (L to SL) textured materials.
GRIMSHAW	GMW	SZ	DG.SS	W	M	F3	FI	GLTL	-	-	The most common form of Grimshaw occurs on Esher-Donnelly parent material, mainly in the Brownvale-Whitelaw area. Textures commonly are HC to C. Other variants include those with gleying in upper horizons.
GRIMSHAW-CO	GMWco	SZ	DG.SS	W	M	F4	FI	TILL	-	-	This coarse textured variant of Grimshaw is mapped on CL to C textured Hazelmere till in the Grimshaw - Whitelaw and Helen Lake - Flood Lake areas.
GOOSE	GOS	GL	O.HG	W	W	F3	FI	GLTL	-	-	Temporary - "All encompassing" entry for AGRASID only.
GOOSE-PT	GOSpt	GL	O.HG	W	W	F3	FI	GLTL	-	-	
GROUARD	GRD	LU	D.GL	W	N	C1	GRVC	GLFL	-	-	May also be very gravelly very coarse textured and moderately calcareous.
GUNDERSON-AA	GUNaa	GL	R.G	W	N	C3	MC	GLFL	-	-	Developed on stratified, mainly moderately coarse textured, nearly coarse fragment free materials. Some variants with till or GLLC deposits within 1 m, or with peaty surfaces may be included. Home SCA is 17.
HUGHALLEN	HAL	CH	E.BLC	W	W	F4	FI	TILL	-	-	Developed on Hazelmere till.
HELEN	HEN	GL	R.HG	S	M	F1	FI	GLLC	-	-	Developed on GLLC material that is saline to the surface and often stratified with silty to sandy layers.
HERMIT	HIT	CH	SZ.BLC	W	W	F4	FI	TILL	-	-	Developed on Hazelmere till. Symbol changed from HMT to HIT , April '97.
HAMELIN	HML	CH	O.DGC	W	W	F2	VF	GLLC	-	-	
HIGH PRAIRIE	HPE	CH	GL.DGC	W	N	M2	ME	FLUV	-	-	Typically developed on layered sediments, the upper horizons often finer textured (SiCL-CL-C), associated with broad fluvial fans and plains. Sufficiently dry for cultivation in most years. Often mapped in association with poorly drained Enilda soils. Changed classification to GL.DGC, Nov. 27/03.
HEART	HRT	BR	E.EB	W	N	C2	VC	EOLI	-	-	Developed on sand dunes. Old concept (complex) embraces O.EB, O.GL and BR.GL, possibly some Dystric Brunisols. Lime usually present at considerable depth.
HYTHE	HYH	LU	D.GL	W	N	M?	ME	TILL	-	-	Equivalent to dark gray Woking . If moderately fine textured use Saddle . Similar to Surette Lake (SCA 22).

SCA 18 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
HAZELMERE	HZM	LU	GL.GL	W	W	F4	FI	TILL	-	-	Developed on Hazelmere till (moderately fine to fine textured, weakly calcareous, often stratified with gravelly or stony layers (SL to C textured) and includes slumped till-like materials). Drainage changed to MW, Nov. 27/03.
HAZELMERE-XP	HZMxp	LU	GL.GL	W	W	L6	FI	TILL	FI	SRFN	Fine-grained softrock within 1 m. Drainage changed to MW, Nov. 27/03.
JOSEPHINE	JOP	GL	HU.LG	N	N	F5	FI	SRFN	-	-	Developed on acidic weathered shale softrock (possibly GLLC in some cases).
JOSLYN-AA	JSNaa	SZ	G.SS	M	W	F1	FI	GLLC	-	-	Very limited extent in SCA 18. Home SCA is 20.
JUDAH	JUH	LU	D.GL	M	N	F1	FI	GLLC	-	-	Equivalent to dark gray Kathleen . Sometimes weakly calcareous. Brown solum.
JUDAH-SC	JUHsc	LU	D.GL	M	M	F1	FI	GLLC	-	-	
KLESKUN	KKN	SZ	GLBL.SZ	W	W	F2	VF	GLLC	-	-	Drainage changed to MW, Nov. 27/03.
KENZIE	KNZ	OR	T.M	W	N	L13	O	SPPT	FI	GLLC	Mesisols developed on sphagnum (bog) peat underlain by mineral soil. Likely includes TFI.M. Formerly KNZxc (Gen. 2) but no TY.M reported on lowland areas in the southern Peace. pH typically lower than in Eaglesham soils but carbonates likely present (low amount) in 2C horizon.
KENZIE-XS	KNZxs	OR	T.M	W	N	L11	O	SPPT	MC	GLFL	Kenzie with underlying coarse to very coarse (commonly SL) textured GLFL material.
KENZIE-XT	KNZxt	OR	T.M	W	N	L12	O	SPPT	MF	TILL	Kenzie with underlying moderately fine textured till (Braeburn till?).
KATHLEEN	KTH	LU	O.GL	M	N	F1	FI	GLLC	-	-	Sometimes weakly calcareous. Brown solum. Similar to Kemp (SCA 22).
KATHLEEN-SC	KTHsc	LU	O.GL	M	M	F1	FI	GLLC	-	-	
LANDRY	LAD	CH	SZ.BLC	W	W	F3	FI	GLTL	-	-	Originally classified as BL.SO but many profiles did not qualify structurally or chemically. Texture of parent material ranges from C-SiC-HC (to about 65% C), and B horizons are often HC.
LANDRY-XP	LADxp	CH	SZ.BLC	W	W	L16	FI	GLTL	FI	SRFN	Fine-grained softrock within 1 m.
LANDRY-XT	LADxt	CH	SZ.BLC	W	W	L14	FI	GLTL	MF	TILL	Landry with moderately fine textured till within 1 m. Upper material texture ranges from C-SiC-HC.
LEITH	LIH	LU	D.GL	M	N	C3	MC	GLFL	-	-	Equivalent to dark gray Culp . Similar to Prairie Point (SCA 22).
LEITH-ER	LIHer	LU	D.GL	M	N	C3	MC	GLFL	-	-	Assumed cultivated Leith with most of the Ap horizon (former L-H + Ah + Ahe) removed by erosion.
LOTHROP	LTP	LU	D.GL	W	W	F2	VF	GLLC	-	-	Equivalent to dark gray Mulligan .
MULLIGAN	MGN	LU	O.GL	W	W	F2	VF	GLLC	-	-	Ap horizon light colored (mainly from old Ae).
MANIR	MNR	LU	GL.GL	W	N	F1	FI	GLLC	-	-	
MURDALE	MUD	LU	D.GL	W	W	F4	FI	TILL	-	-	Equivalent to dark gray Dixonville . Originally classified as DG.SO but few pedons qualify morphologically and chemically. Home SCA changed to 18 from 17, Mar. '97.
NOTIKEWIN	NKW	SZ	GLDG.SS	W	W	F2	VF	GLLC	-	-	Drainage changed to MW, Nov. 27/03.
NAMPA	NMA	LU	GLSZ.GL	W	W	F2	VF	GLLC	-	-	Ap horizon light colored (mainly from old Ae). Drainage changed to MW, Nov. 27/03.
NORTHSTAR	NST	CH	GL.DGC	W	W	F2	VF	GLLC	-	-	Drainage changed to MW, Nov. 27/03.
PEACE RIVER	PCV	LU	GLD.GL	M	W	F2	VF	GLLC	-	-	Drainage changed to MW, Nov. 27/03.
PEORIA	PER	CH	E.BLC	M	N	L10	ME	GLFL	FI	GLLC	Likely found only under cultivation.
PRESTVILLE	PRT	GL	O.G	W	W	F3	FI	GLTL	-	-	Temporary - "All encompassing" entry for AGRASID only.

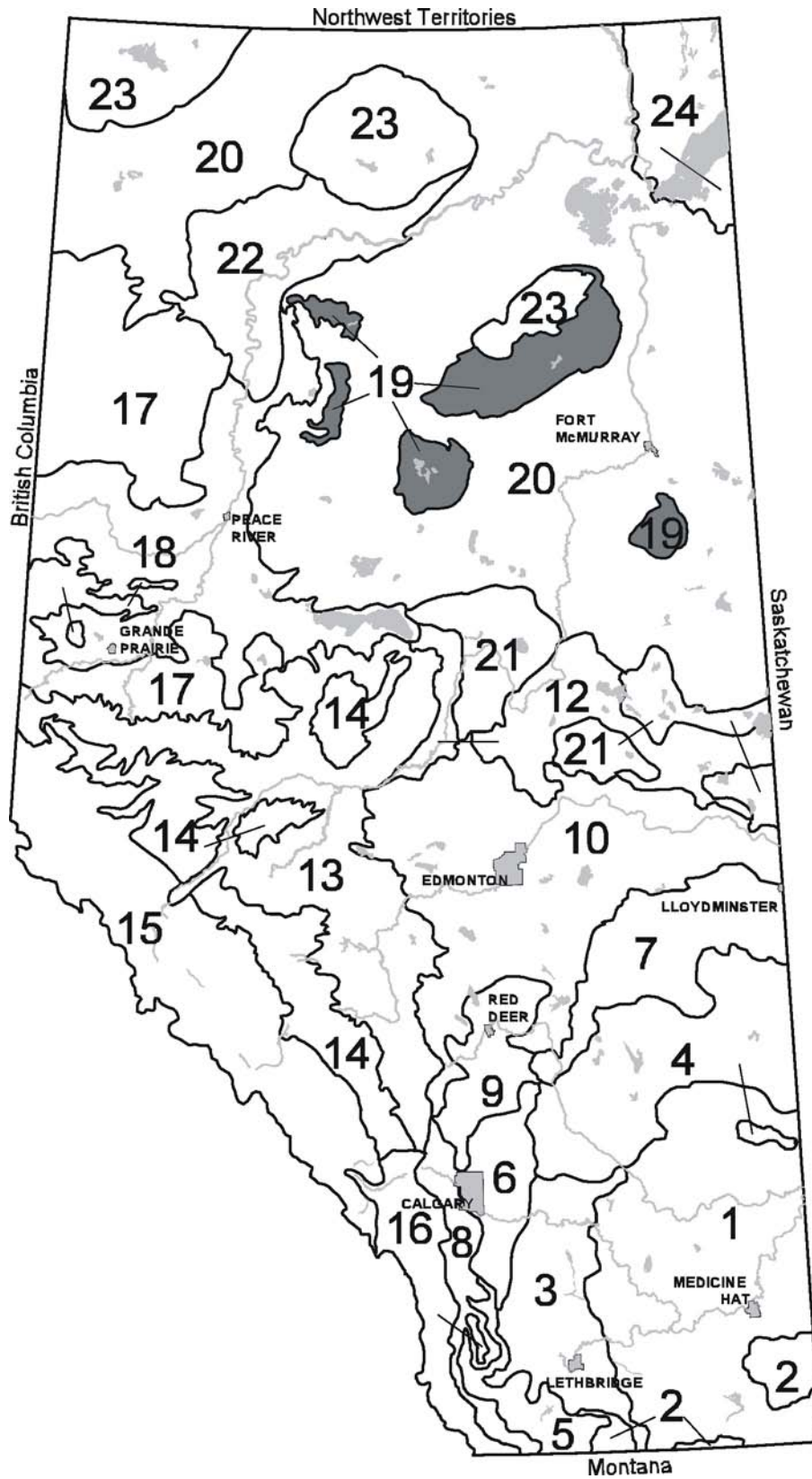
SCA 18 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
RYCROFT	RYF	CH	GLSZ.BLC	W	W	F2	VF	GLLC	-	-	Drainage changed to MW, Nov. 27/03.
SADDLE	SAD	LU	D.GL	W	N	M4	MF	TILL	-	-	Equivalent to dark gray Woking . Mainly clay loam textured although also some loam textures. If medium textured use Hythe .
SADDLE-ZT	SADzt	LU	D.GL	W	W	M4	MF	TILL	-	-	
SILVER VALLEY	SLV	LU	O.GL	N	N	L6	MF	TILL	FI	SRFN	Developed on shallow (acid shale softrock (seldom lithic) at 31-99 cm) Alcan till. Similar to Boundary (SCA 17). Occurs mainly east and north of Silver Valley.
SILVER VALLEY-GL	SLVgl	LU	GL.GL	N	N	L6	MF	TILL	FI	SRFN	
SPIRIT RIVER	SRV	CH	O.BLC	W	N	M2	ME	FLUV	-	-	Parent material similar to that of High Prairie and Enilda soils. Strata vary in thickness and texture, mainly SiL to L with some thin SL layers, occasionally CL to C. B horizons are weakly developed. Mostly cultivated soils.
STURGEON	STN	GL	O.LG	W	N	M4	MF	TILL	-	-	Replaced Snipe (SCA 17) on till in SCA 18. Not common.
STURGEON-PT	STNpt	GL	O.LG	W	N	M4	MF	TILL	-	-	
SUCKER CREEK	SUK	GL	O.HG	W	N	L14	FI	FLUV	MF	FLUV	Fine textured layered fluvial sediments over coarser textured sediments are typical. Commonly associated with the better drained High Prairie soils. Occurs in depressions (potholes, channels) of broad fluvial fans and plains. Replaced ENDfi on L14 materials.
SUCKER CREEK-PT	SUKpt	GL	O.HG	W	N	L14	FI	FLUV	MF	FLUV	
SEXSMITH	SXH	CH	E.BLC	W	N	M4	MF	TILL	-	-	Developed on Braeburn till. Mainly clay loam textured although some loam textures also found.
TANGENT	TAG	LU	D.GL	M	N	M2	ME	GLFL	-	-	Similar to Cardinal but moderately calcareous at depth and coarse fragments absent from profile. Similar to Fort Vermillion (SCA 22).
TEEPEE-AA	TPEaa	BR	E.DYB	N	N	C6	VC	SRCN	-	-	Developed on acidic weathered sandstone. Formerly a complex that included BR.GL and O.GL profiles, and soils with finer textured overlays. Not common. Home SCA is 17.
VALLEYVIEW	VVW	SZ	DG.SS	W	M	F5	FI	SRFS	-	-	
VIXEN	VXN	LU	GLD.GL	W	N	F1	FI	GLLC	-	-	
WEBBER	WBB	LU	D.GL	W	W	F4	FI	TILL	-	-	Developed on Hazelmere till.
WEMBLEY	WBY	GL	O.HG	M	N	M2	ME	GLFL	-	-	Parent material could be GLLC, GLFL or FLLC. Replaced Codner (SCA 13) in SCA 18. Similar to Bison (SCA 22).
WEMBLEY-PT	WBYpt	GL	O.HG	M	N	M2	ME	GLFL	-	-	
WAGON	WGN	LU	O.GL	W	W	F4	FI	TILL	-	-	Developed on Hazelmere till.
WANHAM	WHM	GL	O.LG	M	N	M2	ME	GLFL	-	-	Modal pedon for Wanham is Cornwall (SCA 17). Medium textured parent material may be GLLC, GLFL or FLLC. Similar to Bede Creek (SCA 22).
WANHAM-PT	WHMpt	GL	O.LG	M	N	M2	ME	GLFL	-	-	
WHITELAW	WHW	LU	O.GL	W	N	M6	MF	TILL	-	-	Developed on Whitelaw till (non-calcareous, non-saline, medium to moderately fine textured materials with gravelly lenses and often a stony surface, found in the Grimshaw area).
WABATANISK	WNK	GL	O.LG	W	N	F2	VF	GLLC	-	-	Temporary - "All encompassing" entry for AGRASID only.
WABATANISK-PT	WNKpt	GL	O.LG	W	N	F2	VF	GLLC	-	-	

SCA 18 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
WOKING	WOK	LU	O.GL	W	N	M4	MF	TILL	-	-	Developed on Braeburn till (derived from weakly calcareous, somewhat stony, medium to moderately fine textured materials derived from Smoky and Wapiti Formations of Late Cretaceous age (may also be used on Kaskapau and Dunvegan Formations-derived till in the Grimshaw area)). Replaced Braeburn-aa in SCA 18. Does not include some original BBNaa area (SE Peace Lowland) that are in fact fine-textured Hazelmere till.
WOKING-XP WITHAM	WOKxp WTH	LU	O.GL	W	N	L6	MF	TILL	MC	SRCN	
		LU	D.GL	W	W	F3	FI	GLTL	-	-	If solonetzic features and saline C horizon absent use Elmworth .

SCA 19 The Boreal Highland Areas of Northern Alberta

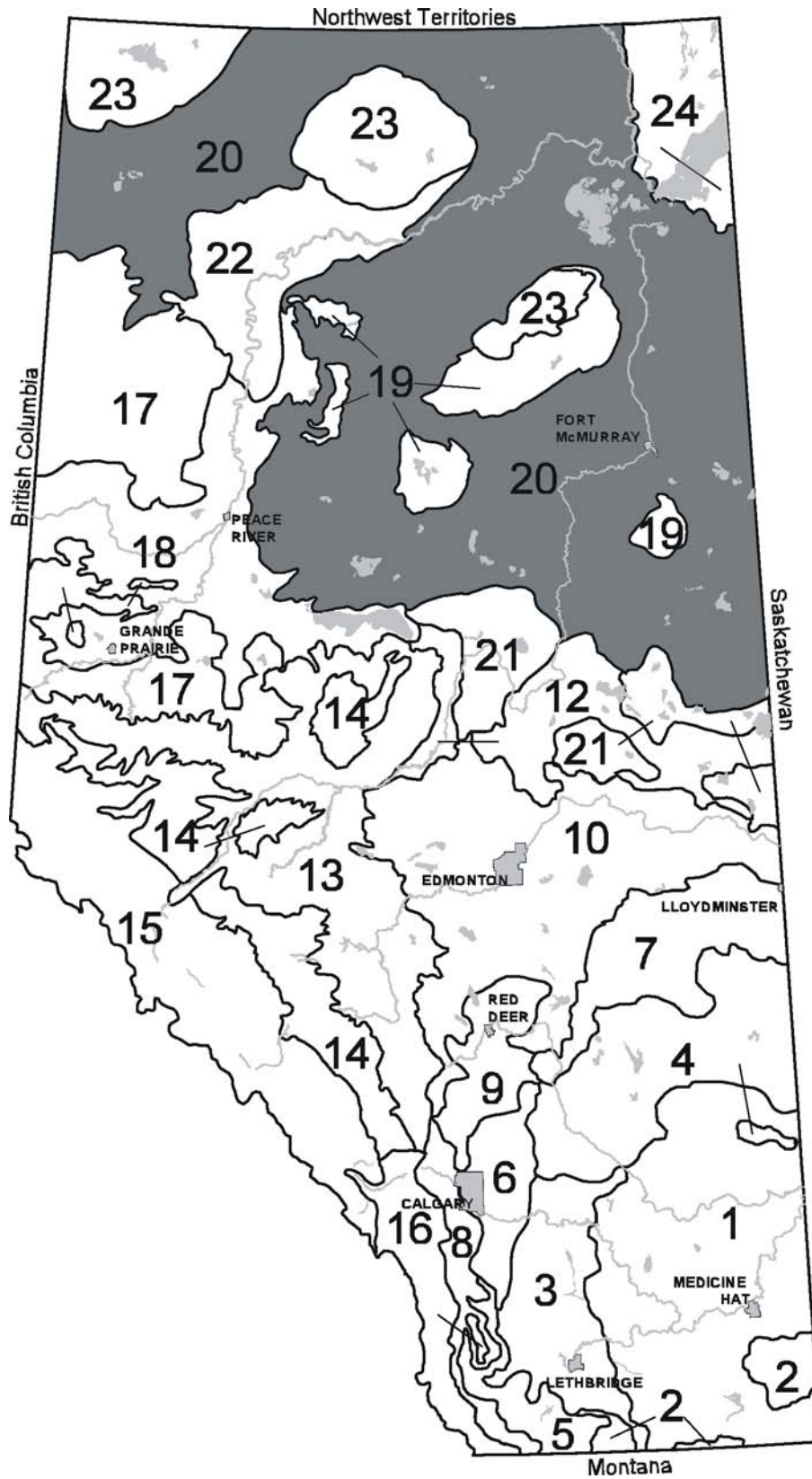


SCA 19

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
ANZAC	ANZ	GL	R.G	N	N	M4	MF	TILL	-	-	Developed on Surmont till.
BUCKTON	BKN	LU	O.GL	N	N	L8	MF	COLL	MF	SRFN	Developed on colluviated morainal and bedrock slopes of the Birch Mountains and Cheecham Hills. Profiles are generally very acidic.
FIRE BAG-AA	FIRaa	BR	E.DYB	N	N	C1	STVC	GLFL	-	-	Home SCA is 20.
LEGEND	LGD	LU	O.GL	N	N	M4	MF	TILL	-	-	Developed on Legend till (medium to moderately fine loam to clay loam textured, strongly to extremely acidic, moderately to exceedingly stony with pockets of gravelly and stony ice-contact material, derived from Cretaceous-aged shales) on hummocky and fluted moraines of the Birch Mountains, Gardiner Upland, and McIvor Plain.
LEGEND-GL	LGDgl	LU	GL.GL	N	N	M4	MF	TILL	-	-	
MIKKWA	MKW	CY	ME.OC	N	N	P1	O	SPPT	O	FOPT	Develop on frozen peatlands, collapsed palsas, and peat mounds. Terric subgroups probably common.
MUSKEG-AA	MUSaa	OR	TY.M	N	N	P1	O	SPPT	-	-	Sphagnum (bog) peat. Replaced Kenzie (SCA 18) in SCA 20. Includes fibric and mesic sphagnum and forest peat. Home SCA is 20.
SURMONT	SRT	LU	O.GL	N	N	M4	ME	TILL	-	-	Developed on Surmont till (moderately fine to medium loamy textured, very strongly acid to neutral materials that were colluviated during deglaciation but is now stable) on lower slopes of Birch Mountains and Cheecham Hills and on Wabasca Plain.
SURMONT-GL	SRTgl	LU	GL.GL	N	N	M4	ME	TILL	-	-	

SCA 20

The Central Mixedwood Area of Central and Northern Alberta



SCA 20

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
ALGAR LAKE	ALG	GL	O.LG	N	N	F1	FI	GLLC	-	-	Originally Algar was used as a "soil group" name. Parent material can be either GLTL or GLLC. Generally associated with GL.GL soils.
ALGAR LAKE-XT	ALGxt	GL	O.LG	M	N	L14	FI	GLLC	MF	TILL	
ASPLUND CREEK-AA	ASPaa	LU	GLD.GL	W	N	F3	FI	GLTL	-	-	Drainage changed to MW, Nov. 27/03. Home SCA is 17.
BENJAMIN	BEJ	LU	O.GL	M	N	F1	FI	GLLC	-	-	Replaced Kathleen (SCA 18) in SCA 20. If parent material is non-calcareous, use Dover .
BELLOY-AA	BLYaa	LU	D.GL	W	N	L2	MC	GLFL	MF	TILL	Home SCA is 18.
BITUMOUNT	BMT	GL	O.G	N	N	C2	VC	GLFL	-	-	Often associated with Mildred Lake and Firebag . Lower profile often finer textured.
BAY TREE-AA	BTRaa	GL	O.HG	W	N	M4	MF	TILL	-	-	Home SCA is 17.
BUFFALO	BUF	LU	O.GL	N	N	M4	MF	TILL	-	-	Developed on Legend till (medium to moderately fine loam to clay loam textured, strongly to extremely acidic, moderately to exceedingly stony with pockets of gravelly and stony ice-contact material, derived from Cretaceous-aged shales) occurring north of Caribou Mountains.
BUFFALO-GL	BUFgl	LU	GL.GL	N	N	M4	MF	TILL	-	-	Created Feb.14/03 to correlate with SLCv3.
CALAIS-AA	CALaa	LU	GL.GL	W	N	F3	FI	GLTL	-	-	Textures, especially of B horizons, range into HC class (60-65% C). Drainage changed to MW, Nov.27/03. Home SCA is 17.
CHATEH	CHT	GL	O.G	N	N	F1	FI	GLLC	-	-	Parent material can be either GLTL or GLLC. Generally associated with GL.GL soils.
CODESA-AA	COSaa	LU	O.GL	W	N	L2	MC	GLFL	MF	TILL	Home SCA is 18. Replaced with Winefred . Still used in AGRASID .
CHIPEWYAN	CPN	RG	GLCU.R	M	N	M3	MF	FLUV	-	-	Moderately to strongly calcareous soils developed on ridged delta (levees, point bars, and interlevees) landscapes of the Athabasca Delta. Profile description modified May 5/04 to agree with CSSC3.
DAROUGH	DAR	GL	O.HG	M	M	F1	FI	LACU	-	-	
DOVER	DOV	LU	O.GL	N	N	F1	FI	GLLC	-	-	Bands of grayish pink SiC or SiCL textured material in parent material. Ae and Bt can also be pinkish. If profile calcareous, use Benjamin .
DOVER-XT	DOVxt	LU	O.GL	M	N	L14	FI	GLLC	MF	TILL	
ELLS RIVER	ELS	GL	R.G	M	N	M4	MF	TILL	-	-	
FIRE BAG	FIR	BR	E.DYB	N	N	C1	STVC	GLFL	-	-	Developed on sandy, moderately to exceedingly stony, noncalcareous, GLFL ice-contact deposits (kame materials). May include similar soils with higher pH classified as E.EB.
FORT	FRT	LU	O.GL	M	N	L18	MF	GLFL	VC	GLFL	Developed on L to CL textured GLFL materials over medium sand textured GLFL material. Varies from strongly calcareous to very acid in B and C horizons.
GYPSY	GYP	BR	E.DYB	N	N	C4	STVC	GLFL	-	-	Created March 05/03 to correlate with SLCv3. Used profile description of Fire Bag as template (changed MAS_PM to C4).
HOOHEY	HHY	BR	E.EB	N	N	F1	FI	GLLC	-	-	Developed on the same parent material as Dover .
HOTCHKISS-AA	HKSaa	LU	GLSZ.GL	W	W	F3	FI	GLTL	-	-	Developed on the same parent material as Donnelly (SCA 18) and Goodfare (SCA 17). Drainage changed to MW, Nov.27/03. Home SCA is 22.
HARTLEY	HLY	OR	T.F	N	N	L12	O	FOPT	MF	TILL	Forest peat underlain by mineral soil.
HORSE RIVER	HRR	LU	O.GL	M	N	M4	MF	TILL	-	-	Developed on Horse River till (medium to moderately fine textured, slightly to moderately calcareous materials) on Thickwood Hills Upland, Dunkirk Plain and elsewhere.

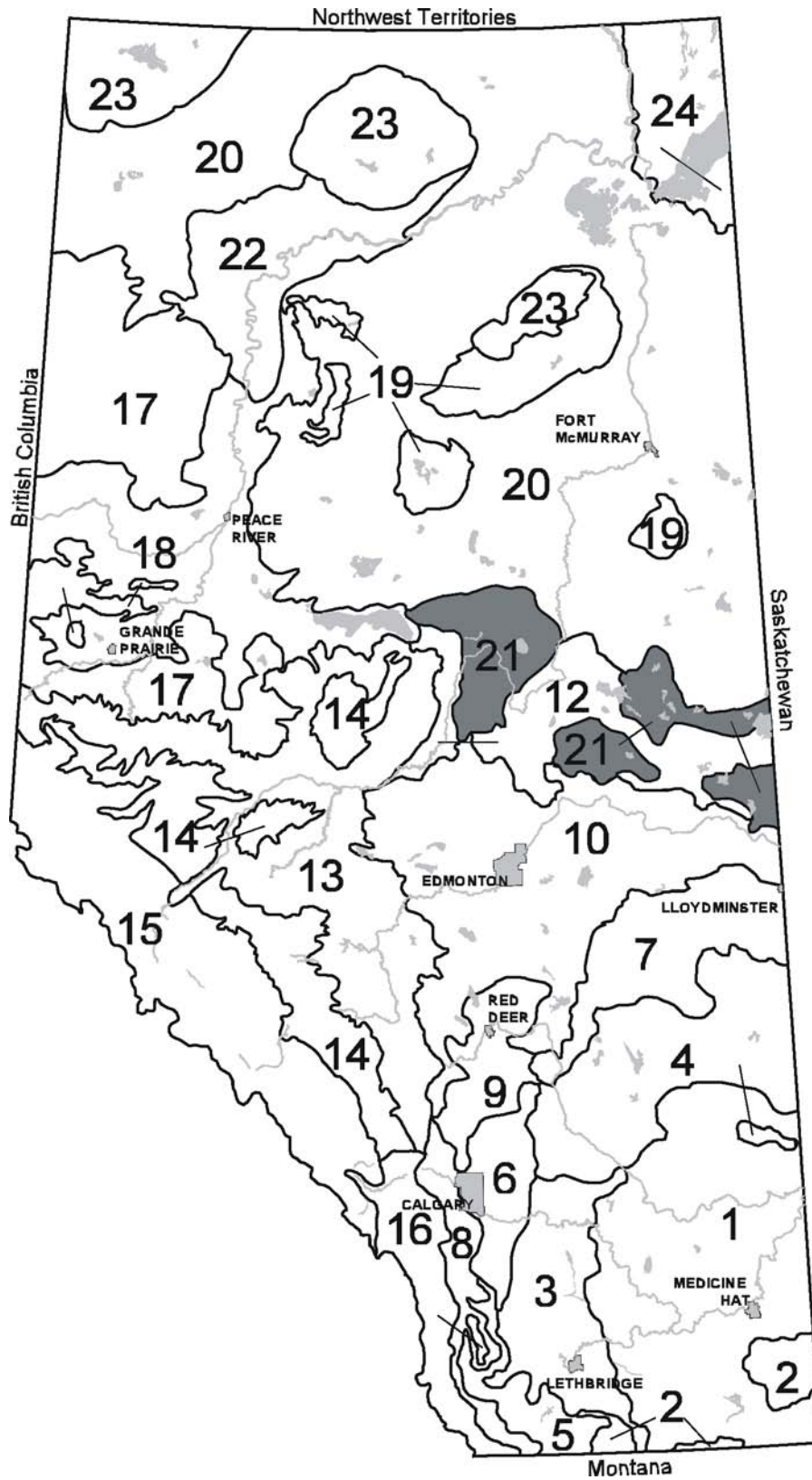
SCA 20 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
HARRISON	HRS	RG	O.R	N	N	C2	VC	EOLI	-	-	
HALVERSON-AA	HVNaa	LU	O.GL	W	N	L2	MC	GLFL	MF	TILL	Home SCA is 17. Overlay may be VC-textured in some cases. Bt horizon weakly developed in some cases such that soil may include Dystric Brunisol variant.
HAZELMERE-AA	HZMaa	LU	GL.GL	W	W	F4	FI	TILL	-	-	Developed on Hazelmere till (moderately fine to fine textured, weakly calcareous materials, often stratified with gravelly or stony layers (SL to C textured) and includes slumped till-like materials). Parent material previously described as GLTL. Originally classified as G.SO, then GLSZ.GL and changed to GL.GL after correlation tour in 1995. Drainage changed to MW, Nov. 27/03. Home SCA is 18.
JOSLYN	JSN	SZ	G.SS	M	W	F1	FI	GLLC	-	-	Developed on GLLC material that may include layers of GLTL material in places. G.SS version of 'Joslyn complex' mapped in Syncrude area.
JOSLYN-GLZS	JSNglzs	SZ	GLG.SO	M	W	F1	FI	GLLC	-	-	G.SO version of 'Joslyn complex' mapped in Ft. McMurray area.
KEARL	KEL	BR	E.DYB	N	N	C2	VC	GLLC	-	-	Developed on sandy and slightly gravelly beach ridge deposits associated with former glacial lakes.
KEARL-GR	KELgr	BR	E.DYB	N	N	C1	GRVC	GLLC	-	-	Replaced stony Kearl but described (AOSERP Report 122, 1982) as mostly gravelly.
KEARL-XC	KELxc	BR	E.DYB	N	N	L9	VC	GLLC	FI	GLLC	Underlying material sometimes more till-like.
KILOME	KME	LU	GL.GL	N	N	F1	FI	GLLC	-	-	Occurs north of Caribou Mountains.
KINOSIS	KNS	LU	O.GL	N	N	M4	ME	TILL	-	-	Developed on Kinosis till (medium (fSL to CL) textured, acidic to neutral till with 10-20% coarse fragments) on Muskeg Mountain Upland, Steepbank Plain, Garson Plain, and House Plain.
KINOSIS-GL	KNSgl	LU	GL.GL	N	N	M4	MF	TILL	-	-	May be finer than KNS (unknown).
LILLIAN	LLN	CY	GL.SC	N	N	F1	FI	LACU	-	-	Poorly drained clay soils frozen throughout the summer.
LIVOCK	LVK	LU	O.GL	N	N	L3	ME	GLFL	MF	TILL	Developed on shallow (Horse River till, clay or sand within 31-99 cm) loamy GLFL material.
LIVOCK-XC	LVKxc	LU	O.GL	N	N	L10	ME	GLFL	VF	GLLC	
MARGUERITE	MAR	BR	E.DYB	N	N	C2	VC	EOLI	-	-	Replaced Heart (E.DYB version) (SCA 18) in SCA 20. Extensive in NE part of SCA 20.
MEANDER	MER	LU	O.GL	N	N	M4	MF	TILL	-	-	Developed on Meander till (moderately fine (L-SiCL-CL) textured, moderately calcareous materials associated with the Meander River area and lower slopes of Caribou Mountains).
MILDRED	MIL	BR	E.DYB	N	N	C2	VC	GLFL	-	-	Developed on sandy textured, acidic, GLFL outwash material. Shallow version overlying various other deposits also occurs (currently unrecognized).
MIKKWA-AA	MKWaa	CY	FI.OC	N	N	P1	O	SPPT	-	-	Home SCA is 19.
MCLELLAND	MLD	OR	TY.M	N	N	P2	O	FNPT	-	-	Sedge (fen) peat. Replaced Eaglesham (typic version) as Mesisol on sedge-dominated peat in SCA 20. May also include some fibric material.
MCLELLAND-XC	MLDxc	OR	T.M	N	N	L13	O	FNPT	FI	GLLC	
MCLELLAND-XS	MLDxs	OR	T.M	N	N	L11	O	FNPT	VC	GLFL	
MCLELLAND-XT	MLDxt	OR	T.M	N	N	L12	O	FNPT	MF	TILL	
MAMAWI	MMW	GL	R.G	W	N	M2	ME	FLUV	-	-	

SCA 20 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
MCMURRAY	MMY	RG	CU.R	N	N	M2	ME	FLUV	-	-	Developed on modern floodplains where sedimentation processes still active. Textures are variable but typically loamy. Profile description modified May 5/04 to agree with CSSC3.
MCMURRAY-GL	MMYgl	RG	GLCU.R	N	N	M2	ME	FLUV	-	-	Profile description modified May 5/04 to agree with CSSC3.
MOONSHINE-AA	MNSaa	GL	O.LG	W	N	M4	MF	TILL	-	-	Home SCA is 17.
MARIANA	MRN	OR	T.M	N	N	L12	O	SPPT	MF	TILL	Sphagnum (bog) peat underlain by till. Replaced Muskeg-xt in SCA 20.
MUSKEG	MUS	OR	TY.M	N	N	P1	O	SPPT	-	-	Sphagnum (bog) peat. Replaced Kenzie (typic version) as Mesisol on sphagnum-dominated peat in SCA 20. May include some fibric sphagnum and forest peat.
MUSKEG-XC	MUSxc	OR	T.M	N	N	L13	O	SPPT	FI	GLLC	
MUSKEG-XS	MUSxs	OR	T.M	N	N	L11	O	SPPT	VC	GLFL	
NAMUR	NAM	RG	O.R	N	N	F1	FI	FLUV	-	-	Developed on loamy to clayey textured materials associated with fluvial fan and apron landforms. May also include some coarser textured variants.
NAMUR-CU	NAMcu	RG	CU.R	N	N	F1	FI	FLUV	-	-	
NAMUR-CUGL	NAMcugl	RG	GLCU.R	N	N	F1	FI	FLUV	-	-	Profile not very common or easily recognized.
NAMUR-GL	NAMgl	RG	GL.R	N	N	F1	FI	FLUV	-	-	Profile very common.
NORBERTA	NOR	GL	R.G	M	N	C2	VC	LACU	-	-	
PAKASHAN	PAK	LU	GLSZ.GL	W	W	F4	FI	TILL	-	-	Developed on Hazelmere till. Mapped east of Winagami Lake.
PEAVINE	PEA	LU	O.GL	M	N	M2	ME	GLFL	-	-	Developed on the same parent material (GLFL, FLLC or GLLC) as Davis (SCA 18) and High Level (SCA 22).
PEAVINE-XT	PEAxt	LU	O.GL	M	N	L3	ME	GLFL	ME	TILL	
RUTH LAKE	RUT	BR	E.EB	N	N	L4	VC	GLFL	GRVC	GLFL	Developed in GLFL meltwater channels where materials often complex and variable - often sand over gravels.
STEEN	SEN	LU	SZ.GL	N	N	F1	FI	GLLC	-	-	Replaced Dover-zt in SCA 20.
SNIPE-AA	SIPaa	GL	O.LG	W	N	F3	FI	GLTL	-	-	More commonly on F3 (or F4) materials in SCA 20 than modal SIP (SCA 17), thus mainly FI textured.
SNIPE-AAPT	SIPaapt	GL	O.LG	W	N	F3	FI	GLTL	-	-	More commonly on F3 (or F4) materials in SCA 20 than modal SIP (SCA 17), thus mainly FI textured.
SALT	SLT	GL	O.G	S	M	F1	FI	LACU			Created March 03/03 to correlate with SLCv3.
SURMONT-AA	SRTaa	LU	O.GL	N	N	M4	ME	TILL	-	-	Developed on Surmont till (moderately fine to medium loamy textured, very strongly acid to neutral materials that were colluviated during deglaciation but is now stable) on lower slopes of Birch Mountains and Cheecham Hills and on Wabasca Plain. Home SCA is 19.
STEEP BANK	STP	GL	O.G	N	N	M4	MF	TILL	-	-	
STEEP BANK-ZR	STPzr	GL	R.G	N	N	M4	MF	TILL	-	-	
SWEATHOUSE-AA	SWHaa	GL	O.HG	W	W	F3	FI	GLTL	-	-	Home SCA is 17.
SWEATHOUSE-AAPT	SWHaapt	GL	O.HG	W	W	F3	FI	GLTL	-	-	Home SCA is 17.
WEMBLEY-AA	WBYaa	GL	O.HG	M	N	M2	ME	GLFL	-	-	Home SCA is 18.
WANHAM-AA	WHMaa	GL	O.LG	M	N	M2	ME	GLFL	-	-	Home SCA is 18.
WINEFRED	WNF	LU	O.GL	W	N	L2	MC	GLFL	MF	TILL	Created March 05/03 to correlate with SLCv3. Used Codesa (SCA 18) as template. Replaced Codesa-aa in SCA 20.

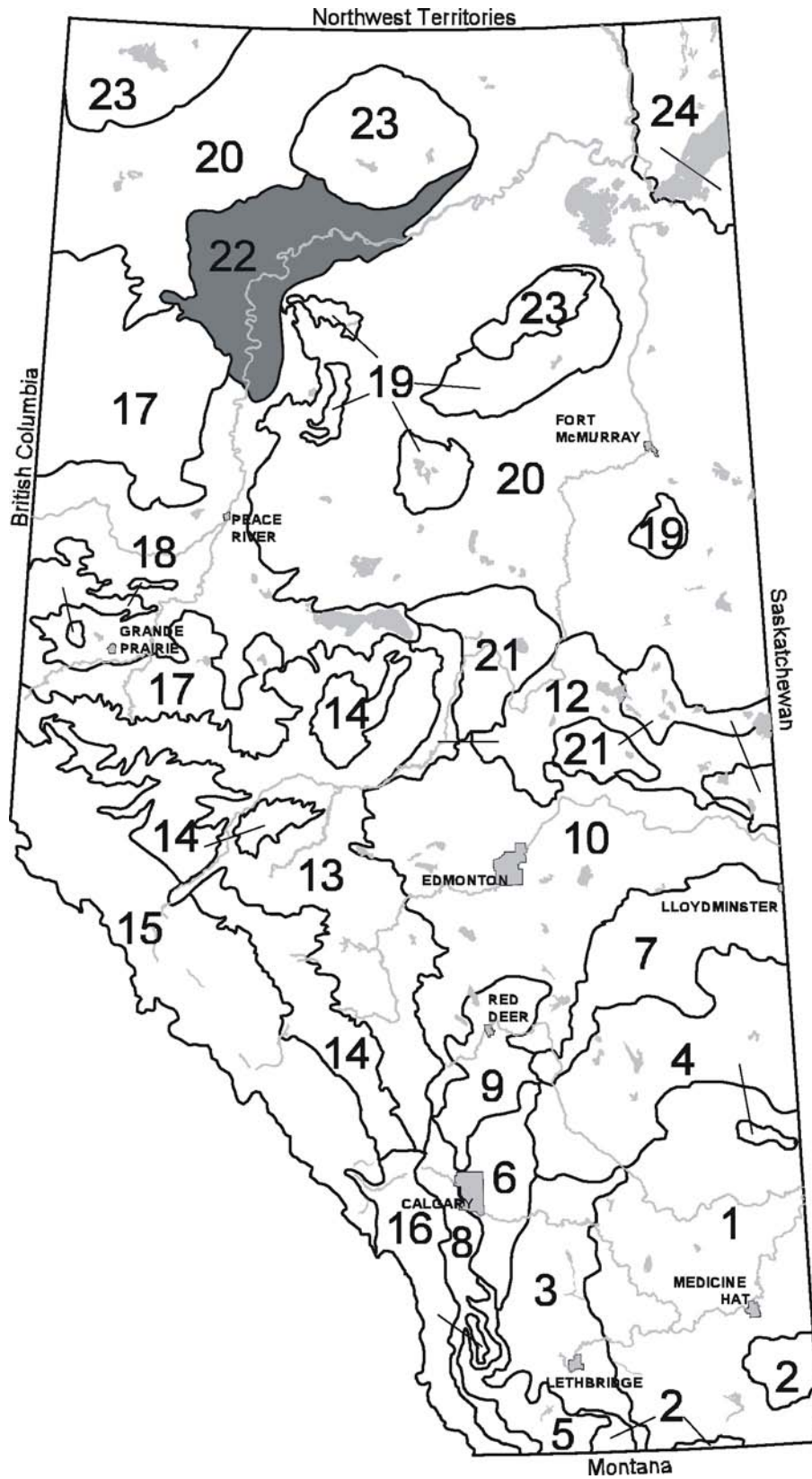
SCA 21
The Central Mixedwood Area of East-Central Alberta



SCA 21

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
ATHABASCA	ABC	LU	O.GL	W	N	M4	MF	TILL	-	-	Developed on Athabasca till (moderately fine to medium textured, low carbonate content till derived mainly from La Biche Formation marine shales). Bt layers may be clay textured. Described in the Sand River, Tawatinaw and St. Paul Reports.
ATHABASCA-GL	ABCgl	LU	GL.GL	W	N	M4	MF	TILL	-	-	Created Feb 14/03 to correlate with new SLCv3.
ATHABASCA-ST	ABCst	LU	O.GL	W	N	M4	MF	TILL	-	-	
AMISK	AMK	BR	E.EB	N	N	C2	VC	GLFL	-	-	Origin of parent material uncertain - may be EOLI, FLUV or GLFL.
AMBER VALLEY	ARV	GL	R.G	W	N	M4	MF	TILL			
BIRKLAND	BLA	OR	T.F	N	N	L12	O	SPPT	MF	TILL	Sphagnum (bog) peat underlain by mineral soil. Often associated with Stebbing .
BLUET	BLT	GL	O.HG	W	N	M4	MF	TILL	-	-	Parent material identified as till, but often GLLC-like. Described in the St. Paul Report. Replaced Codner (SCA 13) in SCA 21.
BONNIE-AA	BNNaa	OR	TY.H	N	N	P2	O	FNPT	-	-	Home SCA is 12.
BOURQUE LAKE	BQE	GL	R.HG	W	N	C2	VC	GLFL	-	-	Replaced Daken (SCA 11) in SCA 21.
DRYSDALE-AA	DDEaa	OR	TY.F	N	N	P2	O	FNPT	-	-	Described in the St. Paul Report. Home SCA is 12.
GRANDIN	GDI	LU	O.GL	W	N	F4	FI	TILL	-	-	Developed on Grandin till (fine to moderately fine textured glacial thrust-block till with high shale content and very low carbonate).
GROSMONT	GMT	LU	D.GL	W	N	M4	MF	TILL	-	-	Equivalent to dark gray Athabasca .
GOODRIDGE	GOG	LU	O.GL	W	N	C5	MC	TILL	-	-	Developed on Goodridge till (moderately coarse textured, moderately calcareous, partly water-sorted till with sandy and silty lenses) associated with spillways and subdued, fluted landscapes.
GOODRIDGE-GR	GOGgr	LU	O.GL	W	N	C5	GRMC	TILL	-	-	Replaced Tawatinaw (SCA 12) in SCA 21.
LAHAIEVILLE	LAV	LU	O.GL	M	N	C3	MC	GLFL	-	-	New name for Owl River-co created March 97. Replaced Culp (SCA 18) in SCA 21.
LAC LA BICHE	LBH	LU	GLD.GL	W	N	F4	FI	TILL	-	-	Equivalent to gleyed Winston .
LIZA	LIZ	BR	E.DYB	N	N	C2	VC	GLFL	-	-	Replaced Nestow (SCA 12) in SCA 21.
LESSARD-AA	LRDaa	CH	O.DGC	M	N	M2	ME	GLLC	-	-	Replaced Rimbey (SCA 10) in SCA 21. Home SCA is 12.
MOOSE HILLS	MHL	LU	O.GL	W	N	L2	MC	GLFL	MF	TILL	Described in the St. Paul Report.
MOOSE HILLS-GL	MHLgl	LU	GL.GL	W	N	L2	MC	GLFL	MF	TILL	
MALOY	MLY	OR	HU.M	N	N	P2	O	FNPT	-	-	Sedge (fen) peat. Replaced Eaglesham (SCA 18) and Kenzie (SCA 18) in SCA 21.
OWL RIVER	OWR	LU	O.GL	M	N	M3	MF	GLLC	-	-	Replaced Tolman (SCA 13) in SCA 21.
OWL RIVER-GL	OWRgl	LU	GL.GL	M	N	M3	MF	GLLC	-	-	Replaced Tolman (SCA 13) in SCA 21.
OWL RIVER-XT	OWRxt	LU	O.GL	W	N	L3	MF	GLLC	MF	TILL	Replaced Lavesta (SCA 12) in SCA 21.
PINEHURST	PIN	BR	E.EB	W	N	C1	VGVC	GLFL	-	-	Replaced Edward (SCA 12) in SCA 21.
PINEHURST-ZL	PINzi	LU	O.GL	W	N	C1	GRVC	GLFL	-	-	Replaced Clouston (SCA 18) in SCA 21.
PLAMONDON-AA	PLMaa	LU	O.GL	M	N	F2	VF	GLLC	-	-	Replaced Maywood (SCA 10) in SCA 21. Home SCA is 12.
STEBBING	SBN	OR	TY.F	N	N	P1	O	SPPT	-	-	Sedge (fen) peat.
ST LINA	SLN	OR	THU.M	N	N	L12	O	FNPT	MF	GLLC	Sedge (fen) peat (sometimes forest peat) underlain by mineral soil.
TUCKER	TCK	OR	TME.F	W	N	L12	O	SPPT	VC	FLUV	Sphagnum (bog) peat underlain by mineral soil.
WINSTON	WST	LU	D.GL	W	N	F4	FI	TILL	-	-	Equivalent to dark gray Grandin .

SCA 22 Gray and Dark Gray Soil Zone of the North Peace Area



SCA 22

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
BUSCHE	BCH	LU	O.GL	M	W	L10	ME	GLFL	VF	GLLC	Similar to High Level but with clayey (very fine or fine textured) substratum (F1, F2, F3, or F4) occurring at 30-100 cm. Most often occurs with F2 soils.
BUSCHE-GL	BCHgl	LU	GL.GL	M	W	L10	ME	GLFL	VF	GLLC	
BEDE CREEK	BDE	GL	O.LG	M	N	M2	ME	GLFL	-	-	Similar to Wanham (SCA 18) and Cornwall (SCA 17). Medium textured parent material may be GLLC, GLFL or FLLC.
BEDE CREEK-PT	BDEpt	GL	O.LG	M	N	M2	ME	GLFL	-	-	
BUFFALO HEAD	BHP	LU	GLD.GL	W	W	F2	VF	GLLC	-	-	Developed on the same parent material as Falher (SCA 18). May include soils classified as GLDG.SO or GLSZ.DG. Cultivated version of BHP likely the dominant version. Drainage changed to MW Nov.27/03.
BISON	BIS	GL	O.HG	M	N	M2	ME	GLFL	-	-	Similar to Wembley (SCA 18) and replaced Codner (SCA 13; described in Report #30) in SCA 22. Medium textured parent material could be GLLC, GLFL, or FLLC.
BISON-PT	BISpt	GL	O.HG	M	N	M2	ME	GLFL	-	-	
BEAVER RANCH	BRH	GL	O.HG	W	N	M2	MF	FLUV	-	-	Replaced Enilda (SCA 18) in SCA 22. Layered fluvial sediments are typical. Commonly associated with the better drained Jean D'Or Prairie soils. Occurs in depressions (potholes, channels) of fluvial fans and plains.
BEAVER RANCH-PT	BRHpt	GL	O.HG	W	N	M2	MF	FLUV	-	-	
BEAR RIVER	BRR	GL	O.LG	M	M	F4	FI	TILL	-	-	Developed on Lawrence till.
BEAR RIVER-PT	BRRpt	GL	O.LG	M	M	F4	FI	TILL	-	-	
BOYER	BYR	SZ	G.SS	M	W	F3	FI	GLTL	-	-	
BOYER-DA	BYRda	SZ	DG.SS	M	W	F3	FI	GLTL	-	-	
CARCAJOU	CAJ	LU	O.GL	W	N	L9	MC	GLFL	FI	GLLC	Similar to Codesa-xc (SCA 18).
CARCAJOU-CO	CAJco	LU	O.GL	W	N	L9	VC	GLFL	FI	GLLC	Bt horizon likely SL textured.
CARCAJOU-GL	CAJgl	LU	GL.GL	W	N	L9	MC	GLFL	FI	GLLC	Drainage changed to MW Nov.27/03.
CARCAJOU-GR	CAJgr	LU	O.GL	W	N	L1	GRMC	GLFL	FI	GLLC	Substantial gravels (20-30%) in overlay (30-100 cm thick) which may be very coarse textured.
CARCAJOU-ST	CAJst	LU	O.GL	W	N	L1	STMC	GLFL	FI	GLLC	Substantial stones and cobbles (10-20%) in overlay (30-100 cm thick) which may be very coarse textured.
CARIBOU	CBU	LU	D.GL	W	N	L2	MC	GLFL	MF	TILL	Similar to Belloy (SCA 18). Not mapped in CAESA-SIP update area but may exist outside that area.
CARIBOU-GR	CBUgr	LU	D.GL	W	N	L1	GRMC	GLFL	MF	TILL	Similar to Belloy-gr (SCA 18). Not mapped in CAESA-SIP update area but may exist outside that area.
CARIBOU-ST	CBUst	LU	D.GL	W	N	L1	STMC	GLFL	MF	TILL	Similar to Belloy-st (SCA 18). Not mapped in CAESA-SIP update area but may exist outside that area.
CHILD LAKE	CHL	GL	O.LG	M	N	F2	VF	GLLC	-	-	Replaced Snipe (SCA 17) in SCA 22 on high lime parent material. Also originally mapped on fine GLLC and GLTL.
CHILD LAKE-PT	CHLpt	GL	O.LG	M	N	F2	VF	GLLC	-	-	
DEVIL LAKE	DVK	LU	D.GL	M	N	C2	VC	GLFL	-	-	Weakly calcareous variant may occur.

SCA 22 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
DIXONVILLE-AA	DXVaa	LU	O.GL	W	N	F4	FI	TILL	-	-	Developed on Alcan till (moderately fine to fine textured acid shale materials with lime and salts at depth, derived from Kaskapau and Dunvegan Formations). Modal texture is clay but clay loam till also common. Not mapped in CAESA-SIP update area but may exist outside that area. Home SCA is 18.
FORT VERMILION	FTV	LU	D.GL	M	N	M2	ME	GLFL	-	-	Similar to Tangent (SCA 18). May be strongly calcareous.
FORT VERMILION-GL	FTVgl	LU	GLD.GL	M	N	M2	ME	GLFL	-	-	
FORT VERMILION-GLSC	FTVglsc	LU	GLD.GL	M	M	M2	ME	GLFL	-	-	
FORT VERMILION-SC	FTVsc	LU	D.GL	M	M	M2	ME	GLFL	-	-	May have weakly developed gley features at depth.
FORT VERMILION-XT	FTVxt	LU	D.GL	M	W	L10	ME	GLFL	FI	GLTL	Equivalent to shallow (clayey (usually F1) till-like material at 31-99 cm) FTV . Commonly associated with Boyer soils (F3 materials). May include gleyed variant.
GRIFFIN-AA	GIFaa	GL	R.HG	M	N	M2	ME	GLFL	-	-	Home SCA is 18.
GROUARD-AA	GRDaa	LU	D.GL	W	N	C1	GRVC	GLFL	-	-	Likely more calcareous (moderately) than modal Grouard and may include very gravelly very coarse textured materials. Home SCA is 18.
HELEN-AA	HENaa	GL	R.HG	S	S	F1	FI	GLLC	-	-	Often more saline than modal Helen . Home SCA is 18.
HOTCHKISS	HKS	LU	GLSZ.GL	W	W	F3	FI	GLTL	-	-	Drainage changed to MW Nov.27/03.
HOTCHKISS-XT	HKSxt	LU	GLSZ.GL	W	W	F3	FI	GLTL	FI	TILL	Drainage changed to MW Nov.27/03.
HIGH LEVEL	HLL	LU	O.GL	M	N	M2	ME	GLFL	-	-	Similar to Davis (SCA 18). Parent material may be strongly calcareous.
HIGH LEVEL-GL	HLLgl	LU	GL.GL	M	N	M2	ME	GLFL	-	-	
HIGH LEVEL-GLSC	HLLglsc	LU	GL.GL	M	M	M2	ME	GLFL	-	-	
HIGH LEVEL-GLXC	HLLglxc	LU	GL.GL	M	N	L10	ME	GLFL	MF	GLLC	
HIGH LEVEL-XC	HLLxc	LU	O.GL	M	N	L10	ME	GLFL	MF	GLLC	
HIGH LEVEL-XG	HLLxg	LU	O.GL	M	N	L5	ME	GLFL	GRVC	GLFL	
HARO	HRO	BR	O.EB	M	N	M2	ME	GLFL	MF	TILL	From consultant's work in the Keg River area. Includes profiles where till occurs within 1m (L3).
HUTCH LAKE	HTL	LU	O.GL	W	N	L2	MC	GLFL	MF	TILL	Similar to Codesa (SCA 18) and Halverson (SCA 17).
HUTCH LAKE-GR	HTLgr	LU	O.GL	W	N	L1	GRMC	GLFL	MF	TILL	Overlay (30-100 cm thick) may be very coarse textured in a few cases.
HUTCH LAKE-ST	HTLst	LU	O.GL	W	N	L1	STMC	GLFL	MF	TILL	Overlay (30-100 cm thick) may be very coarse textured in a few cases.
JEAN D'OR PRAIRIE	JDP	GL	O.HG	W	N	M2	ME	FLUV	-	-	Cultivated version of JDP likely more common than native version.
JUDAH-AA	JUHaa	LU	D.GL	M	N	F1	FI	GLLC	-	-	Home SCA is 18. Occurs to a limited extent in SCA 22.
KEG	KEG	GL	O.G	M	N	F2	VF	GLLC	-	-	Temporary - "All encompassing" entry for AGRASID only.
KEG-PT	KEGpt	GL	O.G	M	N	F2	VF	GLLC	-	-	Temporary - "All encompassing" entry for AGRASID only.
KEMP	KMP	LU	O.GL	M	N	F1	FI	GLLC	-	-	Similar to Kathleen (SCA 18). Occurs to a limited extent in SCA 22.
KEMP-GL	KMPgl	LU	GL.GL	M	N	F1	FI	GLLC	-	-	
LA CRETE	LCT	GL	O.HG	M	N	F2	VF	GLLC	-	-	Temporary - "All encompassing" entry for AGRASID only.
LA CRETE-PT	LCTpt	GL	O.HG	M	N	F2	VF	GLLC	-	-	Temporary - "All encompassing" entry for AGRASID only.
LINTON LAKE	LKE	LU	O.GL	M	N	C3	MC	GLFL	-	-	Similar to Culp (SCA 18). Weakly calcareous variant may also occur.
LINTON LAKE-COGL	LKEcogl	LU	GL.GL	M	N	C2	VC	GLFL	-	-	

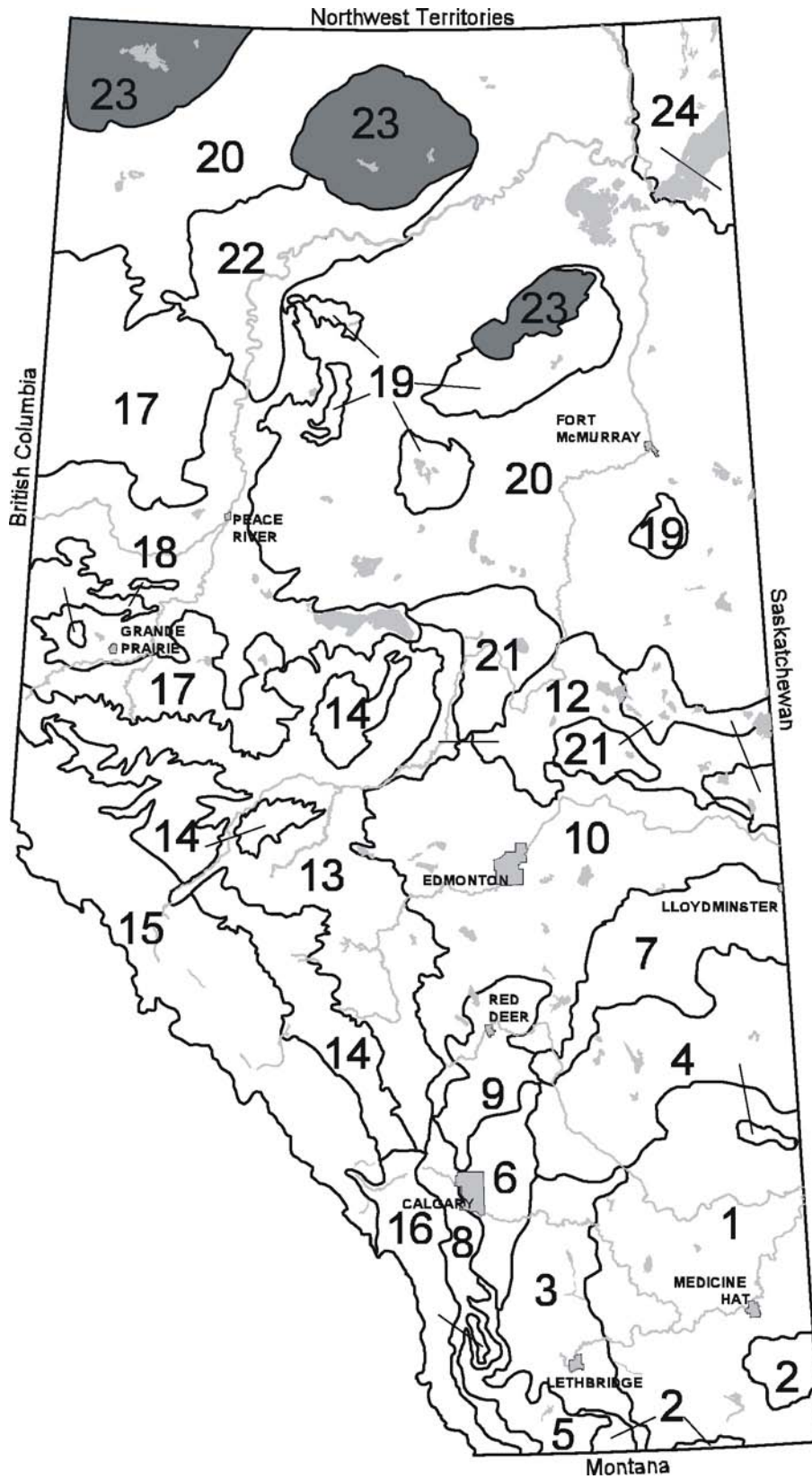
SCA 22 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
LINTON LAKE-GL	LKEgl	LU	GL.GL	M	N	C3	MC	GLFL	-	-	
LINTON LAKE-XC	LKExc	LU	O.GL	M	N	L20	MC	GLFL	MF	GLFL	
LAWRENCE	LRC	SZ	G.SS	M	M	F4	FI	TILL	-	-	Developed on Lawrence till (clay textured, moderately calcareous, moderately saline, with high shale content (pink flakes)).
MULLIGAN-AA	MGNaa	LU	O.GL	W	W	F2	VF	GLLC	-	-	Ap horizon light colored (mainly from old Ae). Home SCA is 18.
MEIKLE	MKL	LU	GL.GL	M	W	F2	VF	GLLC	-	-	
MOUNT WATT	MTW	LU	GLSZ.GL	W	W	F4	FI	TILL	-	-	Equivalent to solonetzic Steephill . Likely includes some soils classified as GLG.SO. Drainage changed to MW Nov.27/03.
MUSTUS LAKE	MUT	OR	T.M	W	N	L13	O	FNPT	FI	GLLC	Mesisols developed on sedge (fen) peat underlain by mineral soil. Equivalent to Whooping with shallow fen peat overlying fine textured (mostly F1 and F2) materials. Similar to Eaglesham (SCA 18).
NINA LAKE	NLK	LU	GLD.GL	M	W	F2	VF	GLLC	-	-	Drainage changed to MW Nov.27/03.
PARMA	PMA	GL	SZ.LG	W	M	F2	VF	GLLC	-	-	Developed on moderately saline clays. Previously classified as GLBL.SS (when no SZ.LG). Used in the High Level area.
PRAIRIE POINT	PNT	LU	D.GL	M	N	C3	MC	GLFL	-	-	Similar to Leith (SCA 18) and commonly associated with Linton Lake . Weakly calcareous variant may also occur.
PONTON	PON	LU	O.GL	W	N	C1	GRVC	GLFL	-	-	Similar to Clouston (SCA 18). May be moderately calcareous.
PADDLE PRAIRIE	PPR	LU	GLSZ.GL	W	W	F2	VF	GLLC	-	-	Drainage changed to MW Nov.27/03.
ROCKY LANE	RLE	LU	D.GL	W	N	L9	MC	GLFL	FI	GLLC	Similar to Belloy-xc (SCA 18).
ROCKY LANE-CO	RLEco	LU	D.GL	W	N	L9	VC	GLFL	FI	GLLC	Bt horizon likely SL textured.
ROCKY LANE-GL	RLEgl	LU	GLD.GL	W	N	L9	MC	GLFL	FI	GLLC	Drainage changed to MW Nov.27/03.
ROCKY LANE-GR	RLEgr	LU	D.GL	W	N	L1	GRMC	GLFL	FI	GLLC	Overlay (30-100 cm thick) may be very coarse textured in some cases.
ROCKY LANE-ST	RLEst	LU	D.GL	W	N	L1	STMC	GLFL	FI	GLLC	Overlay (30-100 cm thick) may be very coarse textured in some cases.
SCULLY	SCY	LU	GLSZ.GL	M	W	F2	VF	GLLC	-	-	Similar to Cadotte (SCA 18). Brownish solum; moderately calcareous generally at shallow depths (eg. 50 cm). May include some MW drained SZ.GL. Drainage changed to MW Nov.27/03.
SCULLY-XT	SCYxt	LU	GLSZ.GL	M	W	L15	VF	GLLC	MF	TILL	Drainage changed to MW Nov.27/03.
SLED ISLAND	SDL	LU	O.GL	M	N	C2	VC	GLFL	-	-	Similar to Linton Lake but coarser textured. Bt horizon has clay lamellae. Similar to Culp-co (SCA 18).
SLED ISLAND-XG	SDLxg	LU	O.GL	M	N	L4	VC	GLFL	GRVC	GLFL	
SURETTE LAKE	SKE	BR	E.EB	W	N	C2	VC	EOLI	-	-	Developed on sand dunes. Old concept (complex) embraced O.EB, O.GL, & BR.GL, possibly some Dystric Brunisols. Lime usually occurs at considerable depth. Similar to Heart (SCA 18).
SILVER VALLEY-AA	SLVaa	LU	O.GL	N	N	L6	MF	TILL	FI	SRFN	Developed on shallow (acid shale softrock (seldom lithic) at 31-99 cm) Alcan(?) till, mainly on slopes of Mt. Watt. Similar to Boundary (SCA 17). Home SCA is 18.
SPIRIT RIVER-AA	SRVaa	CH	O.DGC	W	N	F1	FI	FLUV	-	-	Fine textured. Dark Gray variant of Spirit River (SCA 18) located in the Paddle Prairie area. Occurs to a limited extent in SCA 22.
STEEPHILL	STH	LU	GL.GL	W	W	F4	FI	TILL	-	-	Developed on Hazelmere till (moderately fine to fine textured, weakly calcareous, often stratified with gravelly or stony layers (SL to C textured) and includes slumped till-like materials). Originally called GLTL but more till-like and at higher elevations than Hotchkiss . Replaced Hazelmere (SCA 18) soils in SCA 22.

SCA 22 (cont.)

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
SAVAGE	SVG	GL	R.G	N	N	F1	FI	GLLC	-	-	Developed on extremely acid clays that are commonly stratified (finer near surface) with layers of organic material throughout.
SAVAGE-PT	SVGpt	GL	R.G	N	N	F1	FI	GLLC	-	-	
WOKING-AA	WOKaa	LU	O.GL	W	N	M4	MF	TILL	-	-	Developed on Braeburn till (derived from weakly calcareous, somewhat stony, medium to moderately fine textured materials derived from Smoky and Wapiti Formations of Late Cretaceous age). Very limited extent. Home SCA is 18.
WHOOPING	WPG	OR	TY.M	N	N	P2	O	FNPT	-	-	Sedge (fen) peat. Replaced Eaglesham (typic version) (SCA 18) as Mesisol on sedge-dominated peat in SCA 22.
WHOOPING-XS	WPGxs	OR	T.M	W	N	L11	O	FNPT	VC	GLFL	Whooping with underlying coarse to very coarse textured GLFL and related materials.
WHOOPING-XT	WPGxt	OR	T.M	M	N	L13	O	FNPT	FI	TILL	Whooping with underlying fine textured till (assume Lawrence till).
WHOOPING-XU	WPGxu	OR	T.M	W	N	L12	O	FNPT	MF	UNDM	Whooping with underlying moderately fine textured undifferentiated (likely mostly waterlain) materials.
WOLVERINE	WVR	OR	TY.M	N	N	P1	O	SPPT	-	-	Sphagnum (bog) peat. Replaced Kenzie (typic version) (SCA 18) as Mesisol on sphagnum-dominated peat in SCA 22.
WOLVERINE-XC	WVRxc	OR	T.M	W	N	L13	O	SPPT	FI	GLLC	Wolverine with underlying fine textured GLLC materials.
WOLVERINE-XS	WVRxs	OR	T.M	W	N	L11	O	SPPT	VC	GLFL	Wolverine with underlying coarse to very coarse textured GLFL and related materials.
WOLVERINE-XT	WVRxt	OR	T.M	M	N	L13	O	SPPT	FI	TILL	Wolverine with underlying fine textured till (assume Lawrence till).
WOLVERINE-XU	WVRxu	OR	T.M	W	N	L12	O	SPPT	MF	UNDM	Wolverine with underlying moderately fine textured undifferentiated (likely mostly waterlain) materials.

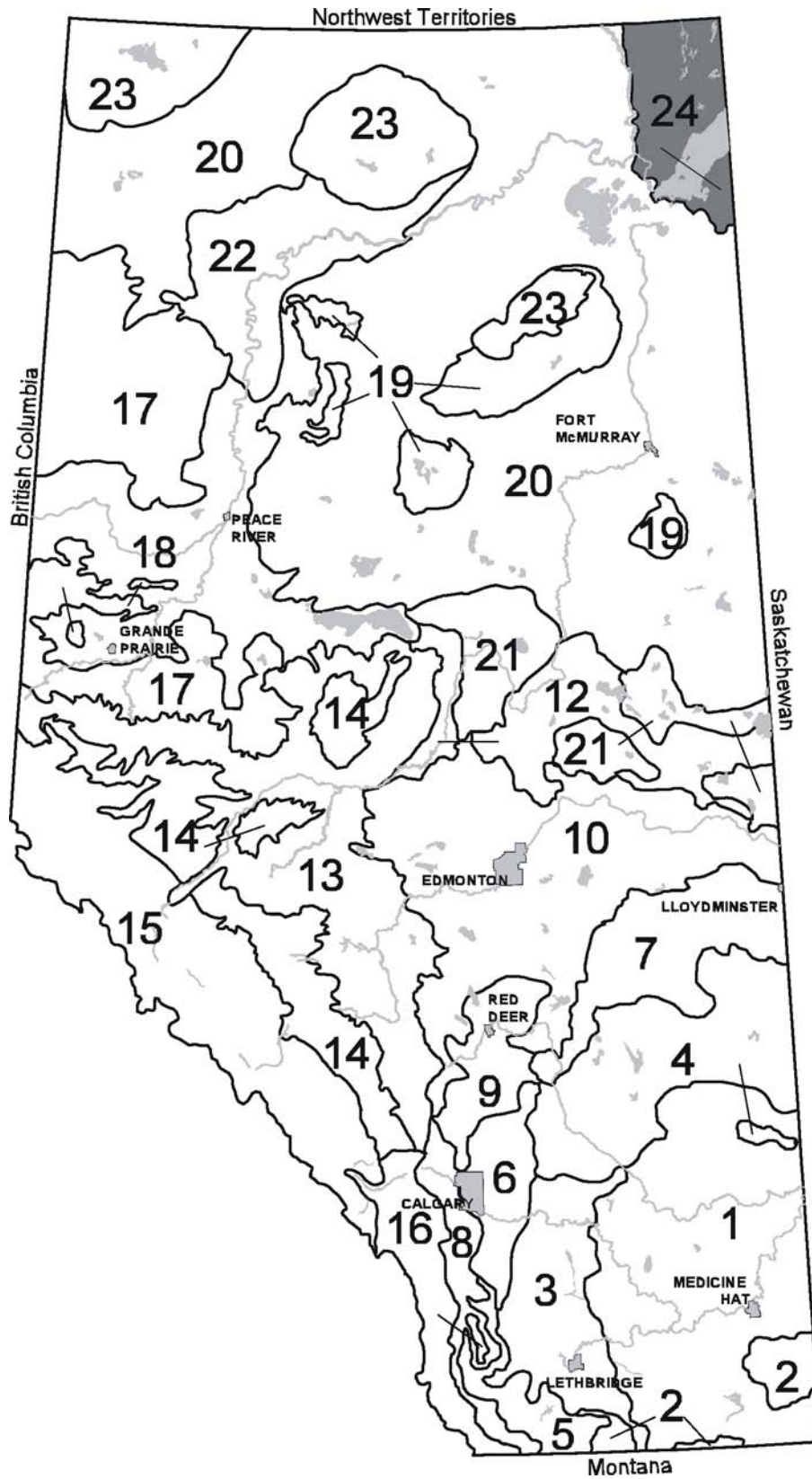
SCA 23 The Sub-Arctic Areas of Northern Alberta



SCA 23

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
DIZZY	DZY	CY	ME.OC	W	N	L12	O	FOPT	MF	TILL	Occurs on the upper slopes of the Caribou Mountains. Formerly classified as a complex of organic cryosol.
MARGARET LAKE	MRG	OR	TY.M	N	N	P1	O	SPPT	-	-	Sphagnum (bog) peat. Similar to Muskeg (SCA 20).
PITCHIMI	PCM	LU	O.GL	N	N	M4	MF	TILL	-	-	Developed on Legend till (medium to moderately fine loam to clay loam textured, strongly to extremely acidic, moderately to exceedingly stony with pockets of gravelly and stony ice-contact material, derived from Cretaceous-aged shales). Similar to Legend (SCA 19) and Buffalo (SCA 20).
SLAVEY	SVY	BR	GLEB	N	N	M4	MF	TILL	-	-	Developed on Legend till. Occurs on cryoturbated slopes on the north side of the Caribou Mountains.
WENTZEL	WEN	OR	TY.M	N	N	P2	O	FNPT	-	-	Sedge (fen) peat. Similar to McLelland (SCA 20).

SCA 24 Canadian Shield



SCA 24

SERIES	NEW SYMBOL	ORDER	SG	CALCAR	SALINITY	MAS PM	PM1 TEX	PM1 TYP	PM2 TEX	PM2 TYP	NOTES
HARRISON-AA	HRsaa	RG	O.R	N	N	C2	VC	EOLI	-	-	Developed on sandy (often stony, gravelly or bouldery) ice-contact GLFL parent material, including kame moraines. Home SCA is 20.
MILDRED-AA	MILaa	BR	E.DYB	N	N	C2	VC	GLFL	-	-	Developed on sand or loamy sand textured GLFL parent material with very few coarse fragments. Strongly acidic soils usually found under jackpine or aspen. Home SCA is 20.
MCLELLAND-AA	MLDaa	OR	TY.M	N	N	P2	O	FNPT	-	-	Sedge (fen) peat. Home SCA is 20.

Appendix A

Correlation of Soil Series on Parent Materials

The following tables present the soil series recognized in each Soil Correlation Area (SCA) within a matrix that identifies the soil classification (subgroup level) and the parent material type (MAS_PM – parent material and texture). Parent material type definitions have also been included. Parent material types have been grouped into till, till over softrock, wind or water deposited materials over till, wind or water deposited materials, undifferentiated materials, wind or water deposited materials (generally) over softrock, residual (softrock), and organic materials. Within each group, parent material types have been arranged by texture, with the coarsest materials occurring first and the finest materials last.

In many SCA's a number of different till materials have been identified based on one or more of the following features:

1. texture;
2. geologic age;
3. associated bedrock formation/lithology;
4. calcareousness, and;
5. cordilleran or continental origin

Refer to the correlation notes in the soil names file for distinguishing features of these different till types.

Parent Material Type (MAS_PM)	Definition
C4	on very coarse textured (S, LS) till
C5	on moderately coarse textured (SL,FSL) till
M6	on gravelly and stony medium textured (L, CL) till
M4	on medium textured (L, CL) till
F4	on fine textured (C) till
L6	on variable textured till over softrock
L1	on gravel or gravelly coarse textured (S, LS, SL, FSL) materials over medium (L, CL) or fine (C) textured till (includes cobbly and stony variations)
L17	on gravelly medium textured (L, SiL, VFSL, SCL, CL, SiCL) materials (includes stony variations) over medium (L, CL) or fine (C) textured till
L2	on coarse textured (S, LS, SL) materials over medium (L, CL) or fine (C) textured till
L3	on medium textured (VFSL, L, SiCL, CL) materials over medium (L, CL) or fine (C) textured till
L14	on fine textured (C, SiC, SC) materials (not till) over medium (L, SiL, VFSL) to moderately fine (SCL, CL, SiCL) textured till
L15	on very fine textured (HC) materials (not till) over medium (L, SiL, VFSL) to moderately fine (SCL, CL, SiCL) textured till
C1	on gravel or gravelly coarse textured (S, LS, SL, FSL) materials (includes cobbly and stony variations)
M1	on gravelly medium textured (L, SiL, VFSL, SCL, CL, SiCL) sediments deposited by water (includes cobbly and stony variations)
L21	on gravelly coarse textured (S, LS, SL, FSL) over medium (L, SiL, VFSL) or moderately fine (SCL, CL, SiCL) textured materials (not till)
C2	on very coarse textured (S, LS) sediments deposited by wind or water
L4	on coarse textured (S, LS, SL, FSL) over gravel or gravelly coarse textured (S, LS, SL, FSL) materials (includes cobbly and stony variations)
L0	on very coarse (S-LS) to medium (L, SiL, VFSL) textured stratified sediments deposited by water
L20	on coarse textured (S, LS, SL, FSL) materials over medium (L, SiL, VFSL) or moderately fine (SCL, CL, SiCL) textured materials (not till)
L9	on coarse textured (S, LS, SL, FSL) materials (not till) over fine textured (C, SiC, HC) materials (not till)
C3	on moderately coarse textured (SL, FSL) sediments deposited by wind or water
M2	on medium textured (L, VFSL) sediments deposited by wind and water
L5	on medium textured (L, SiL, VFSL, SCL, CL, SiCL) over gravel or gravelly coarse textured (S, LS, SL, FSL) materials (includes cobbly and stony variations)
L10	on medium textured (L, SiL, VFSL, SCL, CL, SiCL) materials (not till) over fine textured (C, SiC, SC, HC) materials (not till)
L18	on medium textured (L, SiL, VFSL, SCL, CL, SiCL) over coarse textured (S, LS, SL, FSL) undifferentiated materials
M3	on moderately fine textured (CL, SCL, SiCL) sediments deposited by water
F1	on fine textured (C, SiC) water-laid sediments
F3	on fine textured (C) water-laid sediments with till-like features
L22	on fine textured (C, SiC, SC, HC) over medium textured (L, SiL, VFSL, SCL, CL, SiCL) materials (not till)
F2	on very fine textured (HC) water-laid sediments
C0	on coarse textured (S, LS, SL) undifferentiated materials
M0	on medium textured (L, SiL, VFSL, SCL, CL, SiCL) undifferentiated materials
F0	on fine textured (C, SiC, HC) undifferentiated materials
U0	on undifferentiated materials
L7	on coarse textured (S, LS, SL, FSL) materials (not till) over softrock
L19	on gravelly medium textured (L, SiL, VFSL, SCL, CL, SiCL) materials over softrock
L8	on medium textured (L, SiL, VFSL, SCL, CL, SiCL) materials (not till) over softrock
L16	on fine (C, SiC, SC) to very fine (HC) textured materials (not till) over softrock
C6	on coarse textured (S, LS, SL) softrock
M5	on medium textured (L, CL) softrock
F5	on fine textured (C, SiC) softrock
C7	on coarse grained bedrock
L11	on undifferentiated peat over coarse textured (S, LS, SL, FSL) undifferentiated materials
L12	on undifferentiated peat over medium textured (L, SiL, VFSL, SCL, CL, SiCL) undifferentiated materials
L13	on undifferentiated peat over fine textured (C, SiC, SC, HC) undifferentiated materials
P1	on Sphagnum Peat
P2	on Fen Peat
P3	on Forest Peat

SCA 1

PM Type Mas_PM Till Type Subgroup	Till				Till/Softrock	Wind or Water/Till		Wind or Water						
	C4	M4	Maleb	Masinasin	L6	L2	L3	C1	C2	L20	C3	M2	L5	L18
Chernozemic: O.BC	FMTco	FMT FMTst	MAB MABco MABsa MABst MABta	MSN MSNgr MSNsa MSNst	MABxp	ANO ANOer ANOst PLS PLSer	CFD CFDer CFDsa CFDsc	KGO PUN PUNsc	CVD CVDcrsa CVDer CVDsa CVDsc	RIR RIRsa	BVL BVLer BVLgr BVLsa	CHN CHNer CHNsa CHNsc BUT BUTsa LYB	RAM RAMst	TAB
R.BC		FMTzr	HMS HMSst	CLR CLRst					VST		BVLzr			
CA.BC		FMTca	TVS TVSst MABca MABcrsa									EXP		
SZ.BC			CCL CCLst ROL ROLst				TIK					TIY CHZ		
GL.BC						ANOgl	CFDgl		CVDgl CVDglsa VSTgl		BVLgl	MHN		
GLR.BC O.DBC		PURaa	PURaa	PURaa	VACaa									
Gleysolic: O.LG R.G		KTM	KTM	KTM			SKF		INS INSsa					
Regosolic: O.R								EZM	ATP			MCN ORN ORNsa		
CU.R GL.R O.HR CU.HR											MKR	MCNgl BUTsazr BUTzr		
Solonetzic: B.SS		HUK HUKer HUKersa HUKsa HUKst HUKgl	HUK HUKer HUKersa HUKsa HUKst HUKgl	HUK HUKer HUKersa HUKsa HUKst HUKgl	HUKxp SIL SILer SILst	GPH SYK	DHS DHSer		YNY YNYta	RHS RHSsa RRD	YTW YTWer			
GLB.SS B.SO		HDY HDYer HDYst HDYta	HDY HDYer HDYst HDYta	HDY HDYer HDYst HDYta			GEM							

SCA 1 (cont.)

PM Type Mas_PM Till Type Subgroup	Wind or Water				Wind or Water/Softrock		Residual (Softrock)	
	M3	F1	F3	F2	L7	L8	C6	M5
Chernozemic: O.BC R.BC SZ.BC GL.BC		SPS SPSsa SPSsr MCT MCTsa SPSgl	WDN		BVLxl KGOxp	BUTxp	CMR	PHN
Gleysolic: HU.LG O.LG R.HG O.G R.G	TEP NDP SLY IWT DHP VET	GLS WLH						
Regosolic: O.R CU.R GL.R GLCU.R	VGR SFD VGRgl	WTNaa						
Solonetzic: B.SZ GLB.SZ B.SS B.SO GLB.SO	BLP BLPsa WDW WDWer WDWsa KBD KBDer KBDsa KBDgl	SIG SIGsa SIGgl PTA PTAer PTAsa PTAta RMR RMRer RMRsa RMRta			GPHxp			
Vertisolic: O.V				ACV				

SCA 2

PM Type	Till			Till/Softrock	Wind or Water/Till			Wind or Water						
Mas_PM	M4			L6	L1	L2	L3	C1	M1	L21	C2	L20	C3	M2
Till Type	Cypress	Milk River	Sweetgrass											
Subgroup														
Chernozemic:														
O.BC	EKW	BZRaa								RSRzz RFDaa				
O.DBC	TTH TTHst WSM WSMst	PUR PURgr	SOL SOLst	PLP PURxp TTHxl TTHxp	MGRgr	MGR	GNNxt LUP RLKxt	DMS NEDaa		FORgr	HRK	FOR	KSRaa	LETaa
R.DBC	WCR PME	WID	SOLzr	PMExp							HRKzr			
CA.DBC			SOLca								HRKca			
Luvisolic:														
D.GL									RSR					
Regosolic:														
O.R														ORNaa
Solonetzic:														
DB.SS	MHR MCA	GRG GRGer		MNA										

PM Type	Wind or Water				Residual (Softrock)	
Mas_PM	L5	L18	M3	F3	C6	M5
Till Type						
Subgroup						
Chernozemic:						
O.BC			THA		DPT	DPTfi
O.DBC	CFTaa MMD	OASaa	GNN RLK	HEG		
Regosolic:						
CU.R			VGRaa			
Solonetzic:						
DB.SS			CGW KHOaa CGWgl			
GLDB.SS						

SCA 3

PM Type Mas_PM Till Type Subgroup	Till			Till/Softrock	Wind or Water/Till					Wind or Water				
	M4			L6	L1	L2	L3	L14	L15	C1	C2	L4	L20	C3
	Pulteney	Craddock	Readymade											
Chernozemic: O.DBC	PUY	CRD CRDsa CRDst	RDM RDMst	PUYxp VAC		DCYaa MGRaa	WNY WNYsa	CLDxt		KSRgr NED	HRKaa WWTaa	CFTco	CMY	KSR
R.DBC			RDMzr	VACzr	WOL		DIMxt WNYzr		BKExt	MACzr	HCHaa			KSRzr OSNzr OSN
CA.DBC SZ.DBC GL.DBC	NEM	CRDca	FSTaa	VACca			PGT WNYgl			MAC				KSRgl
GLEYSOLIC: O.G														MNHco
REGOSOLIC: O.R CU.R CU.HR GLCU.HR											ERTaa			MKRaa SXT SXTcr SXTsa SXTgl
SOLONETZIC: DB.SS DB.SO		PAR CRDzt	HKRaa BFDaa	TLAaa			LSD KRK							

PM Type Mas_PM Till Type Subgroup	Wind or Water							Wind or Water/Softrock		Residual (Softrock)
	M2	L5	L10	L18	M3	F1	F3	L8	L16	M5
Chernozemic: CA.BC O.DBC	EXPaa LET LETsc LLD	CFT		OAS		CLD CLDsa	MGT MGTsa	LETxp		
R.DBC	DIM DIMsa	CFTzr				BKE BKEco BKEsa CLDca	WLG		BKExp	
CA.DBC SZ.DBC GL.DBC GLR.DBC		CFTca	KCH	OASca	CIO CIOsa			CIOxp		
GLEYSOLIC: R.HG O.G R.G						SGY SGYsa				
	MNH MNHsa					HSR				
REGOSOLIC: O.R CU.R GL.R	MCNaa MCNaasa				KCP JSR	WTN WTNsa WTNgl				MKNaa
SOLONETZIC: DB.SZ DB.SS DB.SO					IMY KHO KHOer AWD	KHOfi				

SCA 4

PM Type Mas_PM Till Type Subgroup	Till			Till/Softrock	Wind or Water/Till			Wind or Water						Residual (Softrock)		
	M6	M4		L6	L2	L3	L14	C1	C2	C3	M2	M3	F1	F2	M5	
		Hughenden	Kirriemuir													
Chernozemic: O.DBC R.DBC CA.DBC E.DBC SZ.DBC V.DBC GL.DBC O.BLC R.BLC GL.BLC		HND HNDsc HNDst LFE LFEst FST FSTst OVE	KUR KURst ALT ALTsc	HNDxp DLA NUTxp HANxp	DCY DCYsc RIB DCYgl	PRO PROca	DMHzzxt	SCD	WWT HCH	MET METsc		CNN CNNca CNNgl THB	DMHzz			PTE
Gleysolic: SZ.HG O.HG R.G		FMNaa									THR THRsa	FLT	GLK			FBG
Regosolic: O.R									ERT		BKF	KCPaa				
Solonetzic: DB.SZ DB.SS DB.SO O.HV		SHR HKR HKRer HKRst BFD BFDer		HKRxp TLA TLAer TLAst	FNR SUL	LSDaa KRKaa	WESxt			LHD		VTR CUR AWDaa	WES MIC		DMH	

SCA 5

PM Type	Till	Till/Softrock	Wind or Water/Till		Wind or Water								
Mas_PM	M4	L6	L1	L3	C1	M1	C3	M2	L5	L18	M3	F1	F3
Till Type	Beazer												
Subgroup													
Brunisolic:		NFK											
Chernozemic:													
R.DBC			WOLaa										
O.BLC	BZR	BZRyl		SOFxt	KNTco	HLMgr	KNT	DLB	BFT	SAK	SOF	PNR	CTN
	BZRsa	OKY			RND	RFD	LVY	HLM			SOFsa	SND	CTNsa
	BZRst	OKYgr											
	BZRta	OKYxl											
R.BLC	PSO	OKYzr					KNTzr		BFTzr	SAKzr	ODM	SNDzr	CWYzr
	PSOst												
CA.BLC	BZRca				RNDca						SOFca		CWY
													CWYsa
SZ.BLC											BUL		CTNzt
GL.BLC	BZRgl												
Gleysolic:													
R.HG												JAT	
												JATsa	
Solonetzic:													
BL.SZ	MAM												
	MAMer											KGT	
BL.SS	NNK											KGTsa	
BL.SO												PGN	
												CGE	

PM Type	Wind or Water/Ssoftrock	Residual (Ssoftrock)
Mas_PM	L16	M5
Till Type		
Chernozemic:		
O.BLC	CTNxp	OWD
R.BLC		OWDzr
Regosolic:		
O.R		MKN
Solonetzic:		
BL.SZ		OXY

SCA 6

PM Type Mas_PM Till Type	Till		Till/Softrock	Wind or Water/Till				Wind or Water						
	M4		L6	L1	L2	L3	L14	C1	C2	C3	M2	L5	L18	M3
	Academy	Delacour												
Subgroup Chernozemic: O.BLC R.BLC GL.BLC	ADY ADYsa NSKaa ADYgl	DEL DELst NSKaa DELgl	ADYxp HFDaa	HPVgr	MDPxt HPV	RKV EBO KYN KYNco		BOV BOVzr	ARE HIW	MDP MDPsa	LTAc	RSB	SAKaa	LTA LTAa LTAgl
Gleysolic: HU.LG O.HG R.HG	IND INDsa	IND INDsa	DWTxp				BZC DWT DWTpt			GAY				
Solonetzic: BL.SS GLBL.SS		BED				KEO KEOco								

PM Type Mas_PM Till Type	Wind or Water		Wind or Water/Softrock
	F1	F2	L7
Subgroup Chernozemic: O.BLC R.BLC SZ.BLC GL.BLC	TWG	THH THHgl	MDPxp HPVxl

SCA 7

PM Type Mas_PM	Till		Till/Softrock L6	Wind or Water/Till			Wind or Water							
	M4	F4		L2	L3	L14	C1	C2	C3	M2	L18	M3	F1	
Till Type	Elnora													
Subgroup Chernozemic:														
O.BLC	EOR			CPLxt	ACE	TOAxt	KNA	CPL RED	IRM	BEL	AMT	BLL	TOA	
EORer				ROS										
EORsa				ROSsa										
EORsc														
CA.BLC									IRMcr					
E.BLC		KTY												
SZ.BLC	HER													
GL.BLC	EORgl								IRMgl					
Gleysolic:														
HU.LG	COR													
SZ.HG	FMN													
O.HG														
R.HG	HYLaa								DSJaa			FLTaa	HGTaa	
Regosolic:														
GL.HR										GLD				
Solonetzic:														
BL.SZ	LOG												SDG	
GLBL.SZ													SDGgl	
BL.SS	KLM		SHS										GDB	
GLBL.SS	KLMgl												GDBgl	
BL.SO	DYD				KPO								BTH	
GLBL.SO	DYDgl													

SCA 8

PM Type Mas_PM Till Type	Till				Till/Softrock	Wind or Water/Till		Wind or Water							Wind or Water/Softrock	
	M6	M4	F4	L6	L2	L3	C1	M1	C2	C3	M2	L5	M3	F1	L8	
Subgroup Brunisolic: O.EB					CBD				FRKaa							
Chernozemic: O.BLC R.BLC CA.BLC E.BLC SZ.BLC V.BLC GL.BLC GLR.BLC O.DGC CA.DGC GL.DGC	DVGgr BVAgr	SPY BVA	DVG DVGco DVGzr PSOaa DVGcazr DVGzt DVGgl		HFD		MFTxt	LNB BUR BURzz	OTP OTPcazr	CRWco GST	CRW GST	PPE SRC PPEzr	DRW DRWgr DRWzr	CRWfi MFT MFTgr MFTzr MFTca MFTgl MFTglzr	FSH FSHgr FSHsa FSHxt FSHca	MSBaa MSBaaxl
Gleysolic: O.HG R.HG															POT POTpt POTzr	
Luviosolic: O.GL D.GL			LTCaa	RSNaa	TUCaa CCRaa										ELBaa	
Regosolic: GL.HR											TBR					
Solonetzic: GLBL.SS														RDL		

SCA 9

PM Type	Till		Till/Softrock	Wind or Water/Till			Wind or Water							
Mas_PM	M4		L6	L2	L3	L14	C1	M1	C2	C3	M2	L5	L10	M3
Till Type	Antler	Nose Creek												
Subgroup Chernozemic: O.BLC	ATL		ATLxp	UKTaa	LPN		BOVaa FTHaa	SCO	MGS	TWS	PED		PEDxc	
R.BLC	ATLcr ATLst DDY ATLzr	NSK NSKsa		HPVaa								ISF		
E.BLC GL.BLC O.DGC GL.DGC	CYG ATLgl MKV				EVLaa					RDWaa	PEDgl WTBaa ATOaa			
Gleysolic: O.HG R.HG						BZCaa HAR HARcr HARpt				RCSaa				TUT
Luvisolic: D.GL	BENaa													
Solonetzic: BL.SS BL.SO					NIB									MYK

PM Type	Wind or Water	Residual (Softrock)	Organic/Mineral	Organic	
Mas_PM	F1	M5	L12	P1	P2
Till Type					
Subgroup Chernozemic: O.BLC R.BLC E.BLC GL.BLC	LLK BPW EAT LLKgl LLKglisa				
Organic: TY.M THU.M			COH	DEVaa	GSPaa
Solonetzic: BL.SS	WKNaa	KVGaa			

SCA 10

PM Type Mas_PM Till Type	Till			Till/Softrock		Wind or Water/Till					Wind or Water						
	M4	F4		L6		L1	L2	L3	L14	L15	C1	C2	L4	L20	L9	C3	
	Edmonton	Paskapoo		Edmonton	Paskapoo												
Subgroup Brunisolic: E.EB E.DYB						DWGaa	CSNaa				EDWaa	PRM NTWaa					
Chernozemic: O.BLC R.BLC CA.BLC E.BLC SZ.BLC GL.BLC GLR.BLC GLE.BLC O.DGC R.DGC CA.DGC SZ.DGC GL.DGC	BVH BVHer BVHsa BVHsc BVHcr AGS AGSer AGSsa AGSsc AGSst NRM EDG PIB RLV LNN EGO	CYGaa FLU FLUer FLUst	SLW	MVL NRMxp MVLgl			UKT UKTsc NTV UKTzt UKTgl GBLer HLWxt RDWxt RDWcaxt		BWFxt HBM HBMsa HBMsc EVL EVLgl		NVRscxt NVRxt LOM	FTH RDWgr TWH GUR HLWgl	MDR HLW SUDaa HLW	ATM SUDaa		PHSglxc HLWxc	PHS RDW RDWer RDWsa
Gleysolic: HU.LG O.LG O.HG R.HG	MPVaa DMY DMYcrsa ONW ONWpt	MPVaa DMY DMYcrsa ONW ONWpt														DSJ MLT RCS RCSpt DSJzr	
Luvisolic: O.GL D.GL	COA COAer COAst UCS UCSst	BTN BTNst BEN BENst		BTNxp BENxp			HOD HODyp GBL	HGVxt WSRxt MLAxt		MIQ MLAxt		SIS		HLB		TGL BRK ELP	
BR.GL SZ.GL GL.GL GLD.GL	NKU BOB	LOBaa WBG ANR					HODzb				HBGaa				TGLxczb	PNCaa TGLzb	
Regosolic: O.R											LBK						
Solonetzic: BL.SZ BL.SS G.SS GLBL.SS BL.SO DG.SO GLBL.SO	WHF CMO CMOsa CMOst DNT CMOgl TFD TFDxp TBY TFDgl	DNT TBY		CMOglxp				ARM									

SCA 10 (cont.)

PM Type Mas_PM Till Type	Wind or Water								Wind or Water/Softrock			Residual (Softrock)		Organic/Mineral		Organic	
	M2	L5	L10	L18	M3	F1	L22	F2	L7	L8	L16	C6	M5	L12	L13	P1	P2
Chernozemic: O.BLC R.BLC E.BLC SZ.BLC GL.BLC GLE.BLC O.DGC R.DGC CA.DGC SZ.DGC GL.DGC	POK POKsa POKsc POKst STE		POKxc		BWF	CCB MMO MMOxt	STL			POKxp							
JFF RMY WTB RMYca ATO WTBgl			RMYxc		MEW	ELL NVR NVRsa NVRsc	VOL						BSU BSUer BSUcrzr				
			ATOxc			MJU WBH											
Gleysolic: HU.LG O.HG R.HG O.G R.G	JVE JVEpt												SHD				
	MAK MAKcr MAKpt MAKsa		KSYptxc	BAK	KSY	HGT HRL				RVN RVNpt							
						DVL BI BOA											
Luviosolic: O.GL D.GL	GOY CVL				HGV WSR KHS	BLB HDR		MYW MLA				PHF	MAA MDE				
		BENxs															
Subgroup Brunisolic: GL.GL GLD.GL	RHK				WSRgl			EBG MLAgI RFX									
Organic: TY.M T.M														MNTaa	DEVxc DEVyc	DEV	GSP
Regosolic: CU.HR GLCU.HR	GRZ GRZcagl																
Solonetzic: BL.SZ GLBL.SZ BL.SS G.SS GLBL.SS BL.SO DG.SO G.SO						DUG DUGgl WKN MNK					DUGxp MNKxp		KVG KWO NMP				
						MLS WAB LWT			KSD								

SCA 12

PM Type Mas_PM	Till				Wind or Water/Till				Wind or Water						
	C4	C5	M4	F4	L1	L2	L3	L15	C1	C2	C3	M2	M3	F1	F2
Till Type	Tawatinaw	Good Ridge	LaCorey	Grandin											
Subgroup Brunisolic: E.EB E.DYB					DWG	CSN NITxt			EDW	NIT NTW					
Chernozemic: E.BLC GLE.BLC O.DGC GL.DGC			FRY VIL KHW KHWgl				ADMxt LRDxt				DRN DRNgl	ADM ADMgl LRD			
Gleysolic: HU.LG O.LG O.HG R.HG			MPV MPVpt NWB NWBpt ONWaa							WLL				SWY	
Luvisolic: O.GL D.GL	TNW	GOGaa	LCY SDN	GDlaa VEN		MWI GBLaa	LVT LVTst	PLMxt			TGLaa ELPaa	GOYaa CVLaa	FNC FWT		PLM MLAaa
Regosolic: CU.HR												GRZaa			
Solonetzic: G.SS			DNTaa												

PM Type Mas_PM	Residual (Softrock)	Organic/Mineral		Organic	
	M5	L11	L12	P1	P2
Organic: TY.F T.F THU.F TY.M T.M TY.H T.H			BLAaa TMK	SBNaa	DDE CTW BNN
Solonetzic: G.SS GLBL.SS	KWOaa NMPaa				

SCA 13

PM Type Mas_PM Till Type	Till							Till/Softrock				Wind or Water/Till			Wind or Water		
	M6	M4						L6				L1	L2	L3	C1	M1	C2
	Edson	Mayberne	Marlboro	Lobley	Obed	Paskapoo	Edson	Marlboro	Mayberne	Obed							
Subgroup Brunisolic: O.MB E.EB E.DYB												HATgr	HAT HATst	PCO	GGGaa	KIAaa BCRaa PRS WND	
Chernozemic: O.DGC						FLUaa									SUDgr TWHaa		
Gleysolic: O.LG O.HG		MKY MKYpt ESF ESFpt	MKY MKYpt ESF ESFpt	MKY MKYpt ESF ESFpt	MKY MKYpt ESF ESFpt	MKY MKYpt ESF ESFpt	MKY MKYpt ESF ESFpt										
Luvisolic: O.GL D.GL BR.GL PZ.GL GL.GL GLD.GL GLBR.GL	ASLst HNLaa MPHaast TMLaa	ASL HUB HUBst DKT BLK	TMLaa	HNLaa MPHaa		HGWaa BTNaa	ASLxp HUBxp	HNLaa MPHaa		TMLaa	NHLaa	DAUaa	ASLxp HUBxp	HNLaa MPHaa		BLRxt TOMxt JMRxt SCH	BLRcb WNC HTWaa HBG JRV SUCst
	BLKst NHLaa	BLK	NHLaa		LOB	DAUaa				NHLaa	DAUaa				PPSaa PTO		
	WHYaast			WHYaast						WHYaast					RAT		
		BMY BMYpt										RSK				HBGgl	

PM Type Mas_PM Till Type	Wind or Water									Residual (Softrock)		Organic	
	L4	C3	M2	L5	L18	M3	F1	F3	F2	C6	M5	P2	P3
Subgroup Brunisolic: O.EB E.EB		DPVaa		DIN						GRNzb			
Chernozemic: O.DGC	SUD								MCOaa		MDL		
Gleysolic: O.LG O.HG		PCR	MSH						WVO WWOpt CYN				
Luvisolic: O.GL D.GL BR.GL GL.GL GLD.GL GLSZ.GL		BLR	CHK ERS RSV JMR ORCaa CAR WLD ETA		JMRxs	TOM	WSN	BGY		GRN	PGS		
		PDY PNC					BAB		MCE				
						TOMgl	BABgl		EBGaa MCEgl				
								FXC					
Organic: TY.M												NTN	FKE
Regosolic: CU.R					IOS								

SCA 14

PM Type Mas_PM Till Type	Till								Till/Softrock					
	C5	M6	M4		Marlboro	Mayberne	Robb	Obed	Stolberg	L6				
			Edson							Edson	Marlboro	Mayberne	Robb	Obed
Subgroup Brunisolic: E.EB E.DYB				BIL									FTOaa FDLaa	
Gleysolic: O.LG O.HG O.G	ERHzh ERH		SKY SKYpt	SKY SKYpt	SKY SKYpt	SKY SKYpt	SKY SKYpt	SKY SKYpt						
Luvisolic: O.GL BR.GL PZ.GL		ASLaast CSPst HNLst MPHst TMLst HSYst NHLst OHSst WHYst	ASLaa	HNL MPH	TML	CSP	HGW			ASLaaxp	HNLxp HNLstxp MPHxp	TMLxp		HGWxl DAUxl MCL MCLst
			OHS	HSY	NHL		DAU	NDG			HSYxp	NHLxp		
			WHY					STB			WHYxp			

PM Type Mas_PM Till Type	Wind or Water/Till			Wind or Water							Residual (Softrock)			Organic
	L2	L3	L14	C1	C2	L4	C3	M2	M3	F1	C6	M5	F5	P3
Subgroup Brunisolic: E.EB E.DYB	BER			GGG	BCR		DPV				LEV	CDMaa COPaa		
Gleysolic: FE.G O.G				STT						EUC				
Luvisolic: O.GL BR.GL	PPS PTOaa	SCHaa	DEKxt	HTW JRVaa	SUCaa	JUY		RSVaa	WPS	DEK	MAS	STCaa	TORaa	
Organic: TY.M														FKEaa
Podzolic: O.HFP					BPT HBK									

SCA 15

PM Type Mas_PM Till Type	Till					Till/Softrock	Wind or Water/Till	Wind or Water					
	C5		M4			L6	L3	C1	C2	L0	C3	M2	F1
Subgroup Brunisolic: O.MB O.EB E.EB O.DYB E.DYB GL.DYB	Moraine Lake		Baker Creek	Egypt Lake	Robb			BSX	KIA	ALX FRX			
			TRX PRX MPX NYX BYX PTX PLX			FTO FTOst		ATX BVX	KKY HCK				
	MLX LVX			EGX CAX		JNX FDL		WHX TKX AZX TZX ENX FVX				ERR	
				SXX									
Cryosolic: R.SC			SFX										
Gleysolic: O.LG FE.G R.G			SKYaa SKYaapt	SKYaa SKYaapt	SKYaa SKYaapt	SKYaa SKYaapt		STTaa		HCX		VLX	
Luvisolic: O.GL D.GL BR.GL PZ.GL						CSPaa SHP						ORC	SPX
			BKX			MCLaa							
Podzolic: O.HFP O.HFP GL.HFP	EFX	PZY PZYgl											
Regosolic: O.R CU.R O.HR CU.HR			GIX				IAX ETC	RDX		HDX PPX	OGR	DVX NKN	

PM Type Mas_PM Till Type	Undifferentiated Mineral		Wind or Water/Softrock	Residual (Softrock)		
	C0	M0	L8	C6	M5	F5
Subgroup Brunisolic: O.EB E.EB O.DYB E.DYB	BPX	WFX GAX SBX IBX		LEVaa CPX	HEX CDM COP	
Luvisolic: O.GL					STC	TOR
Regosolic: O.R CU.HR		IBXzr	CAW			

SCA 16

PM Type	Till			Till/Softrock	Wind or Water/Till	Wind or Water						
Mas_PM	M6	M4	F4	L6	L3	C1	M1	C3	M2	L5	M3	F1
Till Type		Dunvargan										
Subgroup Brunisolic: O.EB E.EB O.DYB E.DYB		BPE		BPExl CBDaa		MGVzz MGV	FRK		CON		BRG	
Chernozemic: O.BLC R.BLC O.DGC GL.DGC		DVGaa BVAaa		HFDaa BDY BDYgr	MFTaaxt	LNBaa BURaa MRY	OTPaa TDCgr		SRCAA PPEaa	DRWaa TDCzz	MFTaa	FSHaa FSHaaxt
Gleysolic: HU.LG O.HG					WDC							POTaa
Luviosolic: O.GL D.GL	SPRgr WCT LTCgr	SPR LTC		RSNzz RSN	SPRxp TUC LTCxl CCR							ELB
Podzolic: O.HFP			WTX									
Regosolic: GL.HR								TBRaa				

PM Type	Wind or Water/Softrock		Residual (Softrock)		Organic/Mineral	Organic
Mas_PM	L19	L8	C6	M5	L12	P2
Till Type						
Subgroup Brunisolic: O.EB E.EB	FRKxl		SKL			
Chernozemic: O.DBC O.BLC GL.DGC	BEV BEVzz	MSBxl MSB		TDC		
Organic: TY.M T.M					MTF	DNL
Regosolic: CU.HR		CAWaa				

SCA 17

PM Type Mas_PM Till Type	Till					Till/Softrock L6	Wind or Water/Till				Wind or Water					
	M6	M4		F4			L1	L2	L3	L14	C1	C2	L9	C3	M2	L10
Subgroup Brunisolic: E.EB E.DYB			Braeburn	Alcan	Hazelmere											WAP MCK WAPzz
Chernozemic: GL.DGC																HPEaa
Gleysolic: O.LG O.HG R.G		MNS MNSpt BTR BTRpt	MNS MNSpt BTR BTRpt	MNS MNSpt BTR BTRpt	MNS MNSpt BTR BTRpt											CWL CWLpt LGC LGCpt ENDaa
Luvisolic: O.GL D.GL BR.GL SZ.GL GL.GL GLD.GL GLSZ.GL	BBNst	ALCco	BBN HBR SADaa CNA	ALC MUDaa SST	 WIL BRY KAM	HBRxp BBNxp BUD BRYxp KAMxp	HVNgr HVNst NMKgr NMKst	HVN NMK LAT	TAGaaxt	 IRQglxt	ASPxt	CSTaa NOS	ECY ECYst ECYgr EKAst EKA EKAgr BAN	CULaa LIHaa WAPzi	IRQ TAGaa TOD	TODxc

PM Type Mas_PM Till Type	Wind or Water			Wind or Water/Softrock	Residual (Softrock)			Organic/Mineral			Organic	
	F1	F3	F2	L16	C6	M5	F5	L11	L12	L13	P1	P2
Subgroup Brunisolic: E.DYB					TPE TPExl							
Chernozemic: SZ.BLC GLSZ.BLC GLSZ.DGC		LADaa	RYFaa FALaa									
Gleysolic: HU.LG O.LG O.HG			SIP SIPpt				JOPaa					
Luvisolic: O.GL D.GL GL.GL GLD.GL GLSZ.GL	KTHaa	EMWaa CAL ASP GFR	NMAaa	CALxp								
Organic: TY.M T.M								CGAxs MSRxs	CGAxt MSRxt CGAxu MSRxu	CGAxc MSRxc	MSR	CGA
Solonetic: DG.SS G.SS GLBL.SS		GMWaa	KKNaa			DBO	VVWaa					

SCA 18

PM Type Mas_PM	Till					Till/Softrock L6	Wind or Water/Till			Wind or Water				
	M6	M4	F4				L1	L2	L14	C1	C2	L9	C3	M2
Till Type	Hazelmere	Whitelaw	Braeburn	Alcan	Hazelmere									
Subgroup Brunisolic: E.EB											HRT			
Chernozemic: O.BLC E.BLC SZ.BLC GL.DGC	FVW		SXH		HAL HIT				LADxt ETP					SRV HPE
Gleysolic: O.LG O.HG R.HG R.G	STN STNpt GDN GDNpt	STN STNpt GDN GDNpt	STN STNpt GDN GDNpt	STN STNpt GDN GDNpt	STN STNpt GDN GDNpt				SUK SUKpt					WHM WHMpt END ENDpt WBY WBYpt GIF
Luvisolic: O.GL D.GL GL.GL GLD.GL GLSZ.GL		WHW BYN	WOK HYH SAD SADzt BNT FTZ	DXV MUD	WGN WBB HZM AGH BEZ BWV	SLV WOKxp SLVgl HZMxp	COSst COSgr BLYst BLYgr	COS BLY		DONxt ESHxt	CST CULst GRD	CULco COSxc COSgrxc COSstxc BLYxc BLYstxc BLYgrxc	CUL LIHer	DVS DVSsc CRN TAG
Solonetic: DG.SS					GMWco									

SCA 18 (cont.)

PM Type Mas_PM Till Type	Wind or Water					Wind or Water/Softrock		Residual (Softrock)			Organic/Mineral		
	L10	M3	F1	F3	F2	L7	L16	C6	M5	F5	L11	L12	L13
Subgroup Brunisolic: E.DYB								TPEaa					
Chernozemic: E.BLC SZ.BLC GLSZ.BLC O.DGC SZ.DGC GL.DGC GLSZ.DGC	BOC PER		DUN	DMD LAD	FYS RYF HML BSY NST FAL		LADxp						
Gleysolic: HU.LG O.LG O.HG R.HG O.G			CYY HEN	 GOS GOSpt PRT	WNLK WNLKpt				JOP				
Luviosolic: O.GL D.GL GL.GL GLD.GL GLSZ.GL	DVSxc	DVSfi	KTH KTHsc JUH JUHsc MNR VXN	 EMW WTH DON ESH	MGN LTP CLL PCV CTE NMA	COSxp	ALCaaxp						
Organic: T.M											KNZxs EGLxs	KNZxt EGLxu EGLxt	KNZ EGL
Solonetzic: GLBL.SZ DG.SS G.SS GLDG.SS G.SO			JSNaa	GMW	KKN NKW				DBOaa	VVW			

SCA 19

PM Type	Till		Wind or Water	Wind or Water/Softrock	Organic
Mas_PM	M4		C1	L8	P1
Till Type	Legend	Surmont			
Subgroup					
Brunisolic: E.DYB			FIRaa		
Cryosolic: ME.OC					MKW
Gleysolic: R.G		ANZ			
Luvisolic: O.GL GL.GL	LGD LGDgl	SRT SRTgl		BKN	
Organic: TY.M					MUSaa

SCA 20

PM Type Mas_PM Till Type	Till							Wind or Water/Till			Wind or Water			
	C4	M4					F4	L2	L3	L14	C1	C2	L4	L9
Subgroup Brunisolic: E.EB E.DYB	GYP	Horse River	Kinosis	Meander	Surmont	Legend	Hazelmere				FIR KELgr	MIL MAR KEL	RUT	KELxc
Gleysolic: O.LG O.HG O.G R.G		MNSaa BTRaa STP ELS STPzr	MNSaa BTRaa STP ELS STPzr	MNSaa BTRaa STP ELS STPzr	MNSaa BTRaa STP ELS STPzr	MNSaa BTRaa STP ELS STPzr	MNSaa BTRaa STP ELS STPzr			ALGxt		BMT NOR		
Luvisolic: O.GL D.GL GL.GL GLSZ.GL		HRR	KNS KNSgl	MER	SRTaa	BUF BUFgl	 HZMaa PAK	HVNaa WNF BLYaa	PEAxt LVK	DOVxt				
Regosolic: O.R												HRS		

PM Type Mas_PM Till Type	Wind or Water						Organic/Mineral			Organic	
	M2	L10	L18	M3	F1	F3	L11	L12	L13	P1	P2
Subgroup Brunisolic: E.EB					HHY						
Cryosolic: GL.SC FI.OC					LLN					MKWaa	
Gleysolic: O.LG O.HG O.G R.G	WHMaa WBYaa MMW				ALG DAR SLT CHT	SIPaa SIPaapt SWHaa SWHaapt					
Luvisolic: O.GL SZ.GL GL.GL GLD.GL GLSZ.GL	PEA	LVKxc	FRT		DOV BEJ SEN KME	 CALaa ASPaa HKSaa					
Organic: T.F TY.M T.M							MLDxs MUSxs	HLY MLDxt MRN	MUSxc MLDxc	MUS	MLD
Regosolic: O.R CU.R GL.R GLCU.R	MMY MMYgl			CPN	NAM NAMcu NAMgl NAMcugl						
Solonetzic: G.SS GLG.SO					JSN JSNglzs						

SCA 21

PM Type Mas_PM	Till			Wind or Water/Till		Wind or Water					Organic/Mineral	Organic		
	C5	M4	F4	L2	L3	C1	C2	C3	M2	M3	F2	L12	P1	P2
Till Type	Goodridge	Athabasca	Grandin											
Subgroup Brunisolic: E.EB E.DYB Chernozemic: O.DGC						PIN	AMK LIZ							
Gleysolic: O.HG R.HG R.G		BLT ARV					BQE							
Luviosolic: O.GL D.GL GL.GL GLD.GL	GOG GOGgr	ABC ABCst GMT ABCgl	GDI WST LBH	MHL MHLgl	OWRxt	PINzl		LAV		OWR	PLMaa			
Organic: TY.F T.F TME.F HU.M THU.M TY.H												BLA TCK SLN	SBN	DDEaa MLY BNNaa

SCA 22

PM Type Mas_PM Till Type	Till				Till/Softrock	Wind or Water/Till			Wind or Water					
	M4	F4			L6	L1	L2	L15	C1	C2	L4	L9	L20	C3
Subgroup Brunisolic: E.EB	Braeburn	Lawrence	Alcan	Hazelmere						SKE				
Gleysolic: O.LG		BRR BRRpt												
Luvisolic: O.GL D.GL GL.GL GLD.GL GLSZ.GL	WOKaa		DXVaa		SLVaa	CAJgr CAJst HTLgr HTLst CBUgr CBUst RLEgr RLEst	HTL CBU		PON GRDaa	SDL DVK	SDLxg	CAJ CAJco	LKExc	LKE PNT LKEgl
Solonetzic: G.SS		LRC						SCYxt		LKEcogl		CAJgl RLEgl		

PM Type Mas_PM Till Type	Wind or Water						Organic/Mineral			Organic	
	M2	L5	L10	F1	F3	F2	L11	L12	L13	P1	P2
Subgroup Brunisolic: O.EB Chernozemic: O.DGC	HRO			SRVaa							
Gleysolic: SZ.LG O.LG O.HG R.HG O.G R.G	BDE BDEpt JDP BIS BISpt BRH BRHpt GIFaa				HENaa		PMA CHL CHLpt LCT LCTpt KEG KEGpt				
Luvisolic: O.GL D.GL GL.GL GLD.GL GLSZ.GL	HLL FTV FTVsc HLLgl HLLglsc FTVgl FTVglsc	HLLxg	BCH HLLxc FTVxt	KMP JUHaa		MGNaa					
Organic: TY.M T.M							WPGxs WVRxs	WPGxu WVRxu	MUT WPGxt WVRxt WVRxc	WVR	WPG
Solonetzic: DG.SS G.SS					BYRda BYR						

SCA 23

PM Type	Till	Organic/Mineral	Organic	
Mas_PM	M4	L12	P1	P2
Till Type	Legend			
Subgroup				
Brunisolic: GL.EB	SVY			
Cryosolic: ME.OC		DZY		
Luvisolic: O.GL	PCM			
Organic: TY.M			MRG	WEN

SCA 24

PM Type	Wind or Water	Organic
Mas_PM	C2	P2
Till Type		
Subgroup		
Brunisolic: E.DYB	MILaa	
Organic: TY.M		MLDaa
Regosolic: O.R	HRSaa	

Appendix B
Code descriptions for Alberta Soil Names File (Generation 3)

SERIES

Description: Series/soil name is a nomenclature for identifying types of soils on the basis of detailed features of the pedon. It may include a variant (two to four uppercase letters). A pedon is a real unit of soil in the landscape.

Type: 24 character alpha
 Range: Any alpha characters
 Examples: Bingville, Bingville-GR

NEW_SYMBOL

Description: A three letter code (soil code) in upper case representing the series and may include a variant (two to four lowercase letters).

Type: 7 character alpha - 3 letter for soil code and 2 to 4 letters for variant
 Range: Any alpha characters
 Examples: BVL, BVLgr

VARIANT

Description: Two to four letter code used to indicate soil variations. The variant applies to the series and the soil code.

Type: 2 to 4 character alpha
 Range: see table
 Example: aagl

Correlation Table VARIANT

VARIANT	DEFINITION
aa	Not modal soil correlation area
aagl	Not modal soil correlation area and gleyed (see gl)
aapt	Not modal soil correlation area and peaty (see pt)
aasa	Not modal soil correlation area and saline (see sa)
aast	Not modal soil correlation area and stony (see st)
aaxl	Not modal soil correlation area and overlying lithic (see xl)
aaxp	Not modal soil correlation area and overlying paralithic (see xp)
aaxt	Not modal soil correlation area and overlying till (see xt)
ca	Calcareous – soil with primary alkaline earth carbonates in the B horizon (Brnk)
cagl	Calcareous and gleyed (see gl)
caxt	Calcareous and overlying till (see xt)

cazr	Calcareous and rego (see zr)
cb	Cobbly
co	Coarse – greater than 10% coarse fragments or one textural group coarser than modal
cr	Carbonated – soil with secondary carbonates throughout the profile
crsa	Carbonated and saline (see sa)
crzr	Carbonated and rego (see zr)
cu	Cumulic – contains a buried Ah
cugl	Cumulic and gleyed (see gl)
cy	Cryic
er	Eroded – B horizon has been cultivated
ersa	Eroded and saline (see sa)
fi	Fine – one textural group finer than modal
gl	Gleyed – poor drainage and periodic reduction
glsa	Gleyed and saline (see sa)
glxc	Gleyed and overlying clay (see xc)
glxp	Gleyed and overlying paralithic (see xp)
glxt	Gleyed and overlying till (see xt)
glzr	Gleyed and rego (see zr)
glzs	Gleyed and solodic (see zs)
gr	Gravelly – 20-50% coarse fragments (>2 mm - 7.5 cm) by volume
grxc	Gravelly and overlying clay (see xc)
ob	Overblown
ow	Overwash
pt	Peaty – an organic horizon (> 17% organic carbon) which is > 10 cm thick
ptxc	Peaty and overlying clay (see xc)
sa	Saline, electrical conductivity (EC) is > 4 mS/cm
sazr	Saline and rego (see zr)
sc	Saline subsoil, electrical conductivity (EC) is > 4 mS/cm in the subsoil
scxt	Saline subsoil and overlying till (see xt)
st	Stony – 20-50% coarse fragments (>25 cm diameter) by volume
stxc	Stony and overlying clay (see xc)
stxp	Stony and overlying paralithic (see xp)
ta	Thin A horizon – less than 10 cm
tk	Thick A horizon – usually used when A is greater than “normal soils” of the area
xc	Clay at 30-99 cm
xczb	Clay at 30-99 cm and Brunisolic
xg	Gravel at 30-99
xl	Lithic at 30-99 cm (profile has R horizon), hard rock
xp	Paralithic at 30-99 cm (profile has 2C horizon), soft rock
xs	Sand at 30-99 cm
xt	Till at 30-99 cm
xu	Undifferentiated material at 30-99 cm
xz	Permafrost at 30-99 cm
yc	Clay at 100-200 cm

yg	Gravel (20-50% coarse fragments (>2 mm - 7.5 cm) by volume) at 100-200 cm
yp	Paralithic at 30-99 cm
yt	Till at 100-200 cm
yz	Permafrost at 100-200 cm
zb	Brunisolic
ze	Eluviated
zf	Fibric
zg	Gleyed Rego
zh	Humic – soils with dark-colored A horizon at least 10 cm thick
zl	Luvisolic
zm	Mesic
zr	Rego/Regosolic
zs	Solodic – soils where the hard B horizon is degrading, has AB and Bnt horizons
zt	Solonetzic
zz	Atypical Subgroup
zbr	Brown Soil Zone – used only with “Miscellaneous” soils such as ZCO, ZER, ZFI, ZSZ,& ZNA.
zdb	Dark Brown Soil Zone – used only with “Miscellaneous” soils such as ZCO, ZER, ZFI, ZSZ,& ZNA
zbl	Black Soil Zone – used only with “Miscellaneous” soils such as ZCO, ZER, ZFI, ZSZ,& ZNA
zdg	Dark Gray Soil Zone – used only with “Miscellaneous” soils such as ZCO, ZER, ZFI, ZSZ,& ZNA
zzxt	Atypical subgroup and overlying till (see xt)
yl	Lithic at 100-200cm
glsc	Gleyed and saline subsoil (see sc)
cogl	Coarse-greater than 10% coarse fragments or one textural group coarser than modal and gleyed (see gl)
brsa	Brown Soil Zone saline
dbsa	Dark Brown Soil Zone saline
blsa	Black Soil Zone saline

SCA

Description: Soil Correlation Area.
A geographic area of the province defining the area where the series may be used.

Type: 2 character numeric

Range: 1 - 24

Example: 1

CALCAR

Description: Refers to first C horizon (but not Cca) may be first or second parent material type. Calcareous classes are estimated in the field by degree of effervescence obtained with 10% HCl. Actual CaCO₃ equivalent values as determined in the lab define the classes on the amount of carbonates present expressed as CaCO₃ equivalent. An approximation of the class can be made by noting the effervescence obtained with 10% HCl.

Type: 1 character alpha

Range: N - Noncalcareous <1
W - Weakly 1 - 5
M - Moderately 6 - 15
S - Strongly 16 - 25
V - Very Strongly 26 - 40
E - Extremely >40

Example: W

SALINITY

Description: Refers to the electrical conductivity (mS/cm) of the most saline parent material (1 or 2).

Type: 1 character alpha

Range: N - Non to very weakly <4
W - Weakly 4 - 8
M - Moderately 8 - 15
S - Strongly >15

Example: W

MAS_PM

Description: Parent material and texture code.

Type: 4 character alphanumeric

Range: see table

Example: C0

Correlation Table MAS_PM

MAS_PM	DEFINITION
Coarse textured materials	
C0	Coarse textured (S, LS, SL) material (undifferentiated)
C1	Gravels or gravely (cobble/stony) coarse textured material
C2	Very coarse (S, LS) sediments deposited by wind or water
C3	Moderately coarse (SL, FSL) sediments deposited by wind or water
C4	Very coarse textured till (Till name)
C5	Moderately coarse textured tills (Till name)
C6	Coarse textured (S, LS, SL) softrock
C7	Coarse grained bedrock
Medium textured materials	
M0	Medium textured (VFSL, L, SiL, SiCL, CL, SCL) materials (undifferentiated)
M1	

M2	Medium textured (L, VFSL) sediments deposited by wind and water
M3	Moderately fine textured (CL, SCL, SiCL) sediments deposited by water
M4	Medium textured (L to CL) till (Till name)
M5	Medium textured (L to CL) softrock
M6	Gravelly and stony medium textured till
Fine textured materials	
F0	Fine textured (C, SiC, HC) materials (undifferentiated)
F1	Fine textured (C, SiC) water-laid sediments
F2	Very fine textured (HC) water-laid sediments
F3	Fine textured (C) water-laid sediments with till-like features
F4	Fine textured (C) till (Till name)
F5	Fine textured (C, SiC) softrock
Layered materials (change occurs between 30 and 100 cm)	
L1	Gravel or gravelly coarse over medium or fine textured till (includes cobbly and stony variations)
L2	Coarse textured (S, LS, SL) over medium or fine textured till
L3	Medium textured (VFSL, L, SiCL, CL) over medium or fine textured till
L4	Coarse textured over gravel or gravelly coarse (includes cobbly and stony variations)
L5	Medium textured over gravel or gravelly coarse (includes cobbly and stony variations)
L6	Till (Till name) over softrock
L7	Coarse (not till) over softrock
L8	Medium (not till) over softrock
L9	Coarse (not till) textured over fine or very fine (not till)
L10	Medium (not till) textured over fine or very fine (not till)
L11	Peat (any) over coarse textured
L12	Peat (any) over medium textured
L13	Peat (any) over fine textured
L14	Fine textured (not till) over medium to moderately fine textured till
L15	Very fine textured (not till) over medium to moderately fine textured till
L16	Fine to very fine textured (not till) over softrock
L17	Gravelly (includes stony variations) medium textured material over medium or fine textured till
L18	Medium textured material over coarse textured material
L19	Gravelly medium textured material over softrock
L20	Coarse textured over medium or moderately fine (not till)
L21	Gravelly coarse textured over medium or moderately fine (not till)
L22	Fine (not till) over medium (not till)
Peat Material	
P1	Sphagnum Peat
P2	Fen Peat
P3	Forest Peat
Undifferentiated Material	
U0	Undifferentiated

PM1_TEX

Description: The texture of the C horizon; but with layered parent materials, PM1_TEX is the texture of the first material below the A horizon.

Type: 5 character alpha

Range: Texture

CT-Coarse Textured Group

MC - Moderately coarse textured: sandy loam and fine sandy loam

VC - Very coarse textured: sand and loamy sand

MT-Medium Textured Group

ME - Medium textured: loam, silt loam and very fine sandy loam

MF - Moderately fine textured: sand clay loam, clay loam and silty clay loam

FT-Fine Textured Group

FI - Fine textured: clay, silty clay and sandy clay

VF - Very fine textured: heavy clay (more than 60% clay)

O-Organic (peat) Group

VT-Variable Texture (not differentiated)

Modifiers

GR - Gravelly (20 - 50% by volume), >2 mm - 7.5 cm

CB - Cobbly (20 - 50% by volume), 7.5 cm - 25 cm

ST - Stony (20 - 50% by volume), 25 cm - 60 cm

VG - Very Gravelly (> 50% by volume), >2 mm - 7.5 cm

VB - Very Cobbly (> 50% by volume), 7.5 cm - 25 cm

VS - Very Stony (> 50% by volume), 25 cm - 60 cm

Examples: STMF, ME

PM1_TYP

Description: Refers to the genetic origin of the first material or a description of key characteristics of it. Has texture attached as PM1_TEX.

Type: 4 characters alpha

Range: see table

Example: GLLC

Correlation Table PM1_TYP

PM1_TYP	DEFINITION
-	Not applicable
ANTH	Anthropogenic
BRCG	Bedrock, conglomerate (lithic)
BRGR	Bedrock, granitic (lithic)
BRLS	Bedrock, limestone (lithic)
BRSH	Bedrock, shale (lithic)

BRSS	Bedrock, sandstone (lithic)
BRUN	Bedrock, undifferentiated (lithic)
COLL	Colluvial
EOLI	Eolian
FLEO	Fluvioeolian (fluvial or eolian)
FLUV	Fluvial
FNPT	Fen Peat (Sedge peat)
FOPT	Forest Peat (Bog peat)
GLFL	Glaciofluvial
GLLC	Glaciolacustrine
GLTL	Glaciolacustrine (till-like features, "lacustro-till")
LACU	Lacustrine (post-Pleistocene)
PGFL	Preglacial Fluvial (e.g. Tertiary gravels)
SEPT	Sedimentary Peat
SPPT	Sphagnum Peat
SRFS	Softrock, fine, saline-sodic (paralithic)
SRCN	Softrock, coarse, not saline-sodic (paralithic)
SRFN	Softrock, fine, not saline-sodic (paralithic)
SRUN	Softrock, undifferentiated (paralithic)
TILL	Till (Morainal)
UNDM	Undifferentiated mineral
UNDO	Undifferentiated organic

PM2_TEX

Description: The texture of the C horizon; but with layered parent materials, PM2_TEX is the texture of the second material.

Type: 5 character alpha

Range: Same as PM1_TEX

PM2_TYP

Description: Refers to the genetic origin of the second material or a description of key characteristics of it. Has texture attached as PM2_TEX.

Type: 4 characters alpha

Range: Same as PM1_TYP

ORDER

Description: Soil Order

Type: 2 character alpha

Range: See table

Example: CH

Correlation Table ORDER

ORDER	DEFINITION
BR	Brunisolic
CH	Chernozemic
CY	Cryosolic
GL	Gleysolic
LU	Luvisolic
OR	Organic
PZ	Podzolic
RG	Regosolic
SZ	Solonetzic
VE	Vertisol

SG

Description: Soil Subgroup and Great Group in one field. Characters before the dot (.) are the Subgroup and characters after the dot represent the Great Group.

Type: 8 characters alpha

Range: See table

Example: GLDG.SO

Correlation Table SG

SG	DEFINITION
Brunisolic	
O.MB	Orthic Melanic Brunisol
E.MB	Eluviated Melanic Brunisol
GL.MB	Gleyed Melanic Brunisol
GLE.MB	Gleyed Eluviated Melanic Brunisol
O.EB	Orthic Eutric Brunisol
E.EB	Eluviated Eutric Brunisol
GL.EB	Gleyed Eutric Brunisol
GLE.EB	Gleyed Eluviated Eutric Brunisol
O.SB	Orthic Sombric Brunisol
E.SB	Eluviated Sombric Brunisol
DU.SB	Duric Sombric Brunisol
GL.SB	Gleyed Sombric Brunisol
GLE.SB	Gleyed Eluviated Sombric Brunisol
O.DYB	Orthic Dystric Brunisol
E.DYB	Eluviated Dystric Brunisol
DU.DYB	Duric Dystric Brunisol

GL.DYB	Gleyed Dystric Brunisol
GLE.DYB	Gleyed Eluviated Dystric Brunisol
Chernozemic	
O.BC	Orthic Brown Chernozem
R.BC	Rego Brown Chernozem
CA.BC	Calcareous Brown Chernozem
E.BC	Eluviated Brown Chernozem
SZ.BC	Solonetzic Brown Chernozem
V.BC	Vertic Brown Chernozem
GL.BC	Gleyed Brown Chernozem
GLR.BC	Gleyed Rego Brown Chernozem
GLCA.BC	Gleyed Calcareous Brown Chernozem
GLE.BC	Gleyed Eluviated Brown Chernozem
GLSZ.BC	Gleyed Solonetzic Brown Chernozem
GLV.BC	Gleyed Vertic Brown Chernozem
O.DBC	Orthic Dark Brown Chernozem
R.DBC	Rego Dark Brown Chernozem
CA.DBC	Calcareous Dark Brown Chernozem
E.DBC	Eluviated Dark Brown Chernozem
SZ.DBC	Solonetzic Dark Brown Chernozem
V.DBC	Vertic Dark Brown Chernozem
GL.DBC	Gleyed Dark Brown Chernozem
GLR.DBC	Gleyed Rego Dark Brown Chernozem
GLCA.DBC	Gleyed Calcareous Dark Brown Chernozem
GLE.DBC	Gleyed Eluviated Dark Brown Chernozem
GLSZ.DBC	Gleyed Solonetzic Dark Brown Chernozem
GLV.DBC	Gleyed Vertic Dark Brown Chernozem
O.BLC	Orthic Black Chernozem
R.BLC	Rego Black Chernozem
CA.BLC	Calcareous Black Chernozem
E.BLC	Eluviated Black Chernozem
SZ.BLC	Solonetzic Black Chernozem
V.BLC	Vertic Black Chernozem
GL.BLC	Gleyed Black Chernozem
GLR.BLC	Gleyed Rego Black Chernozem
GLCA.BLC	Gleyed Calcareous Black Chernozem
GLE.BLC	Gleyed Eluviated Black Chernozem
GLSZ.BLC	Gleyed Solonetzic Black Chernozem
GLV.BLC	Gleyed Vertic Black Chernozem
O.DGC	Orthic Dark Gray Chernozem
R.DGC	Rego Dark Gray Chernozem
CA.DGC	Calcareous Dark Gray Chernozem
SZ.DGC	Solonetzic Dark Gray Chernozem
V.DGC	Vertic Dark Gray Chernozem

GL.DGC	Gleyed Dark Gray Chernozem
GLR.DGC	Gleyed Rego Dark Gray Chernozem
GLCA.DGC	Gleyed Calcareous Dark Gray Chernozem
GLSZ.DGC	Gleyed Solonetzic Dark Gray Chernozem
GLV.DGC	Gleyed Vertic Dark Gray Chernozem
Cryosolic	
OE.TC	Orthic Eutric Turbic Cryosol
OD.TC	Orthic Dystric Turbic Cryosol
BRE.TC	Brunisolic Eutric Turbic Cryosol
BRD.TC	Brunisolic Dystric Turbic Cryosol
GL.TC	Gleysolic Turbic Cryosol
R.TC	Regosolic Turbic Cryosol
HE.TC	Histic Eutric Turbic Cryosol
HD.TC	Histic Dystric Turbic Cryosol
HR.TC	Histic Regosolic Turbic Cryosol
OE.SC	Orthic Eutric Static Cryosol
OD.SC	Orthic Dystric Static Cryosol
BRE.SC	Brunisolic Eutric Static Cryosol
BRD.SC	Brunisolic Dystric Static Cryosol
L.SC	Luvisolic Static Cryosol
GL.SC	Gleysolic Static Cryosol
R.SC	Regosolic Static Cryosol
HE.SC	Histic Eutric Static Cryosol
HD.SC	Histic Dystric Static Cryosol
HR.SC	Histic Regosolic Static Cryosol
FI.OC	Fibric Organic Cryosol
ME.OC	Mesic Organic Cryosol
HU.OC	Humic Organic Cryosol
TFI.OC	Terric Fibric Organic Cryosol
TME.OC	Terric Mesic Organic Cryosol
THU.OC	Terric Humic Organic Cryosol
GC.OC	Glacic Organic Cryosol
Gleysolic	
V.LG	Vertic Luvic Gleysol
SZ.LG	Solonetzic Luvic Gleysol
FR.LG	Fragic Luvic Gleysol
HU.LG	Humic Luvic Gleysol
FE.LG	Fera Luvic Gleysol
O.LG	Orthic Luvic Gleysol
V.HG	Vertic Humic Gleysol
SZ.HG	Solonetzic Humic Gleysol
FE.HG	Fera Humic Gleysol
O.HG	Orthic Humic Gleysol
R.HG	Rego Humic Gleysol

V.G	Vertic Gleysol
SZ.G	Solonetzic Gleysol
FE.G	Fera Gleysol
O.G	Orthic Gleysol
R.G	Rego Gleysol
Luvisolic	
O.GBL	Orthic Gray Brown Luvisol
BR.GBL	Brunisolic Gray Brown Luvisol
PZ.GBL	Podzolic Gray Brown Luvisol
V.GBL	Vertic Gray Brown Luvisol
GL.GBL	Gleyed Gray Brown Luvisol
GLBR.GBL	Gleyed Brunisolic Gray Brown Luvisol
GLPZ.GBL	Gleyed Podzolic Gray Brown Luvisol
GLV.GBL	Gleyed Vertic Gray Brown Luvisol
O.GL	Orthic Gray Luvisol
D.GL	Dark Gray Luvisol
BR.GL	Brunisolic Gray Luvisol
PZ.GL	Podzolic Gray Luvisol
SZ.GL	Solonetzic Gray Luvisol
FR.GL	Fragic Gray Luvisol
V.GL	Vertic Gray Luvisol
GL.GL	Gleyed Gray Luvisol
GLD.GL	Gleyed Dark Gray Luvisol
GLBR.GL	Gleyed Brunisolic Gray Luvisol
GLPZ.GL	Gleyed Podzolic Gray Luvisol
GLSZ.GL	Gleyed Solonetzic Gray Luvisol
GLFR.GL	Gleyed Fragic Gray Luvisol
GLV.GL	Gleyed Vertic Gray Luvisol
Organic	
TY.F	Typic Fibrisol
ME.F	Mesic Fibrisol
HU.F	Humic Fibrisol
LM.F	Limno Fibrisol
CU.F	Cumulo Fibrisol
T.F	Terric Fibrisol
TME.F	Terric Mesic Fibrisol
THU.F	Terric Humic Fibrisol
HY.F	Hydric Fibrisol
TY.M	Typic Mesisol
FI.M	Fibric Mesisol
HU.M	Humic Mesisol
LM.M	Limno Mesisol
CU.M	Cumulo Mesisol
T.M	Terric Mesisol

TFI.M	Terric Fibric Mesisol
THU.M	Terric Humic Mesisol
HY.M	Hydric Mesisol
TY.H	Typic Humisol
ME.H	Mesic Humisol
FI.H	Fibric Humisol
LM.H	Limno Humisol
CU.H	Cumulo Humisol
T.H	Terric Humisol
TFI.H	Terric Fibric Humisol
TME.H	Terric Mesic Humisol
HY.H	Hydric Humisol
HE.FO	Hemic Folisol
HU.FO	Humic Folisol
LI.FO	Lignic Folisol
HI.FO	Histic Folisol
Podzolic	
O.HP	Orthic Humic Podzol
OT.HP	Ortstein Humic Podzol
P.HP	Placic Humic Podzol
DU.HP	Duric Humic Podzol
FR.HP	Fragic Humic Podzol
O.FHP	Orthic Ferro-Humic Podzol
OT.FHP	Ortstein Ferro-Humic Podzol
P.FHP	Placic Ferro-Humic Podzol
DU.FHP	Duric Ferro-Humic Podzol
FR.FHP	Fragic Ferro-Humic Podzol
LU.FHP	Luviosolic Ferro-Humic Podzol
SM.FHP	Sombric Ferro-Humic Podzol
GL.FHP	Gleyed Ferro-Humic Podzol
GLOT.FHP	Gleyed Ortstein Ferro-Humic Podzol
GLSM.FHP	Gleyed Sombric Ferro-Humic Podzol
O.HFP	Orthic Humo-Ferric Podzol
OT.HFP	Ortstein Humo-Ferric Podzol
P.HFP	Placic Humo-Ferric Podzol
DU.HFP	Duric Humo-Ferric Podzol
FR.HFP	Fragic Humo-Ferric Podzol
LU.HFP	Luviosolic Humo-Ferric Podzol
SM.HFP	Sombric Humo-Ferric Podzol
GL.HFP	Gleyed Humo-Ferric Podzol
GLOT.HFP	Gleyed Ortstein Humo-Ferric Podzol
GLSM.HFP	Gleyed Sombric Humo-Ferric Podzol
Regosolic	
O.R	Orthic Regosol

CU.R	Cumulic Regosol
GL.R	Gleyed Regosol
GLCU.R	Gleyed Cumulic Regosol
O.HR	Orthic Humic Regosol
CU.HR	Cumulic Humic Regosol
GL.HR	Gleyed Humic Regosol
GLCU.HR	Gleyed Cumulic Humic Regosol
Solonetzic	
B.SZ	Brown Solonetz
DB.SZ	Dark Brown Solonetz
BL.SZ	Black Solonetz
A.SZ	Alkaline Solonetz
GLB.SZ	Gleyed Brown Solonetz
GLDB.SZ	Gleyed Dark Brown Solonetz
GLBL.SZ	Gleyed Black Solonetz
B.SS	Brown Solodized Solonetz
DB.SS	Dark Brown Solodized Solonetz
BL.SS	Black Solodized Solonetz
DG.SS	Dark Gray Solodized Solonetz
G.SS	Gray Solodized Solonetz
GLB.SS	Gleyed Brown Solodized Solonetz
GLDB.SS	Gleyed Dark Brown Solodized Solonetz
GLBL.SS	Gleyed Black Solodized Solonetz
GLDG.SS	Gleyed Dark Gray Solodized Solonetz
GLG.SS	Gleyed Gray Solodized Solonetz
B.SO	Brown Solod
DB.SO	Dark Brown Solod
BL.SO	Black Solod
DG.SO	Dark Gray Solod
G.SO	Gray Solod
GLB.SO	Gleyed Brown Solod
GLDB.SO	Gleyed Dark Brown Solod
GLBL.SO	Gleyed Black Solod
GLDG.SO	Gleyed Dark Gray Solod
GLG.SO	Gleyed Gray Solod
BV.SZ	Brown Vertic Solonetz
DBV.SZ	Dark Brown Vertic Solonetz
BLV.SZ	Black Vertic Solonetz
GLBV.SZ	Gleyed Brown Vertic Solonetz
GLDBV.SZ	Gleyed Dark Brown Vertic Solonetz
GLBLV.SZ	Gleyed Black Vertic Solonetz
Vertisolic	
O.V	Orthic Vertisol
GL.V	Gleyed Vertisol

GLC.V	Gleysolic Vertisol
O.HV	Orthic Humic Vertisol
GL.HV	Gleyed Humic Vertisol
GLC.HV	Gleysolic Humic Vertisol

CORRNOTE

Description: General comments for public use.

Type: Memo 10 characters alpha

Range: Any description that would help users of the Alberta Soil Names File.

Example: SOILNAME - FALUN - CORRNOTE: On Paskapoo till use with Modeste, Breton and Benalto.