

Seamless_Soils_Study_Area

File Geodatabase Feature Class



Tags

geoscientificInformation, soil

Summary

To provide a seamless soils coverage for Southern Manitoba.

Description

The seamless soils data is a compilation of regional soil report data for Southern Manitoba. The regional reports were mapped at 1:20,000, 1:40,000, 1:50,000, 1:63,360, 1:100,000, 1:125,000 and 1:126,720.

Credits

Western Land Resource Group-Manitoba, SPARC, Research Branch, Agriculture and Agri-Food Canada Manitoba Soil Resource Section, Soils and Crops Branch, Manitoba Agriculture Food and Rural Initiatives

Use limitations

Data is to be used at the scale it was created.

[ArcGIS Metadata ►](#)

Topics and Keywords ►

* **CONTENT TYPE** Downloadable Data

[Hide Topics and Keywords ▲](#)

Citation ►

* **TITLE** Seamless_Soils_Study_Area

PRESENTATION FORMATS * digital map

[Hide Citation ▲](#)

Resource Details ►

DATASET LANGUAGES * English (CANADA)

SPATIAL REPRESENTATION TYPE * vector

* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; ESRI ArcGIS 10.0.5.4400

CREDITS

Western Land Resource Group-Manitoba, SPARC, Research Branch, Agriculture and Agri-Food Canada

Manitoba Soil Resource Section, Soils and Crops Branch, Manitoba Agriculture Food and Rural Initiatives

ARCGIS ITEM PROPERTIES

* NAME Seamless_Soils_Study_Area

* SIZE 0.000

* LOCATION

file:///\\mbwinnfs106\\gis\$\\data8\\projects\\land\\soil\\SMAPVEX12\\data\\Geodatabase\\SMAPVEX_MASTER.gdb

* ACCESS PROTOCOL Local Area Network

Hide Resource Details ▲

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -98.566754

* EAST LONGITUDE -97.607812

* NORTH LATITUDE 50.022007

* SOUTH LATITUDE 49.392633

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

- * WEST LONGITUDE 531434.151500
- * EAST LONGITUDE 599742.394800
- * SOUTH LATITUDE 5472012.802600
- * NORTH LATITUDE 5541169.788900
- * EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

Data is to be used at the scale it was created.

[Hide Resource Constraints ▲](#)

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

- * TYPE Projected
- * GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983
- * PROJECTION NAD_1983_UTM_Zone_14N
- * COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 26914

X ORIGIN -5120900

Y ORIGIN -9998100

XY SCALE 10000

Z ORIGIN -100000

Z SCALE 10000

M ORIGIN -100000

M SCALE 10000

XY TOLERANCE 0.001

Z TOLERANCE 0.001

M TOLERANCE 0.001

HIGH PRECISION true

WELL-KNOWN TEXT

PROJCS["NAD_1983_UTM_Zone_14N",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000.0],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",-99.0],PARAMETER["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",26914]]

REFERENCE SYSTEM IDENTIFIER

*

* CODESPACE EPSG

* VERSION 7.4.1

Hide Spatial Reference ▲

Spatial Data Properties ►

VECTOR ►

* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME Seamless_Soils_Study_Area

* OBJECT TYPE composite

* OBJECT COUNT 3263

Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES ►

- * FEATURE TYPE Simple
- * GEOMETRY TYPE Polygon
- * HAS TOPOLOGY FALSE
- * FEATURE COUNT 3263
- * SPATIAL INDEX TRUE
- * LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Geoprocessing history ►

PROCESS

DATE 2012-11-20 08:25:40

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.0\ArcToolbox\Toolboxes\Analysis Tools.tbx\Clip

COMMAND ISSUED

```
Clip "Seamless Soils (1:20000 - 1:100000) - Manitoba" SMAPVEX_AOI
W:\data8\projects\land\soil\SMAPVEX12\data\Kurt\Soils_SMAPVEX.shp #
```

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

DATE 2012-11-20 09:38:52

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.0\ArcToolbox\Toolboxes\Conversion Tools.tbx\FeatureClassToFeatureClass

COMMAND ISSUED

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W:\data8\projects\land\soil\SMAPVEX12\data\Kurt\Soils_SMAPVEX.shp
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A,-1,-1;PERIMETER "PERIMETER" true true false 19 Double 0 0
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```

```

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,First,#,W:\data8\projects\land\soil\SMAPVEX12\data\Kurt\Soils_SMAPVEX.shp,POT_IMPAC1,-1,-1;SOIL_FACT2 "SOIL_FACT2" true true false 3 Text 0 0
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```



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CON1,-1,-1;MANCON2 "MANCON2" true true false 14 Text 0 0  
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CON2,-1,-1;MANCON3 "MANCON3" true true false 14 Text 0 0  
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CON3,-1,-1" #
```

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

[Hide Geoprocessing history ▲](#)

Distribution ►

DISTRIBUTOR ►

AVAILABLE FORMAT

* NAME ArcInfo Coverage

TRANSFER OPTIONS

* TRANSFER SIZE 205.760

ONLINE SOURCE

* LOCATION file:///\\pfwpg02\gis\mbr_lib\ter\sm0\4_\mb\sm04_mb

* ACCESS PROTOCOL Local Area Network

* DESCRIPTION Downloadable Data

[Hide Distributor ▲](#)

DISTRIBUTION FORMAT

* NAME File Geodatabase Feature Class

TRANSFER OPTIONS

* TRANSFER SIZE 0.000

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT [Seamless_Soils_Study_Area ►](#)

* TYPE Feature Class

* ROW COUNT 3263

FIELD OBJECTID ►

* ALIAS OBJECTID

* DATA TYPE OID

* WIDTH 4

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION

Internal feature number.

* DESCRIPTION SOURCE

ESRI

* DESCRIPTION OF VALUES Sequential unique whole numbers that are automatically generated.

Hide Field OBJECTID ▲

FIELD Shape ►

* ALIAS Shape

* DATA TYPE Geometry

* WIDTH 0

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Feature geometry.

DESCRIPTION SOURCE

ESRI

DESCRIPTION OF VALUES Coordinates defining the features.

Hide Field Shape ▲

FIELD AREA ►

* ALIAS AREA

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

Hide Field AREA ▲

FIELD PERIMETER ►

* ALIAS PERIMETER

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

Hide Field PERIMETER ▲

FIELD SM04_MB_ ►

* ALIAS SM04_MB_

* DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

Hide Field SM04_MB_ ▲

FIELD SM04_MB_ID ►

* ALIAS SM04_MB_ID

* DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

Hide Field SM04_MB_ID ▲

FIELD TAGID ►

* ALIAS TAGID

* DATA TYPE String

* WIDTH 20

* PRECISION 0

* SCALE 0

Hide Field TAGID ▲

FIELD RM ►

* ALIAS RM

* DATA TYPE String

* WIDTH 25

* PRECISION 0

* SCALE 0

Hide Field RM ▲

FIELD KEY ►

* ALIAS KEY

* DATA TYPE String

* WIDTH 45

* PRECISION 0

* SCALE 0

Hide Field KEY ▲

FIELD MAPUNITNOM ►

* ALIAS MAPUNITNOM

* DATA TYPE String

* WIDTH 60

* PRECISION 0

* SCALE 0

Hide Field MAPUNITNOM ▲

FIELD SOIL_CODE1 ►

* ALIAS SOIL_CODE1

* DATA TYPE String

* WIDTH 3

* PRECISION 0

* SCALE 0

Hide Field SOIL_CODE1 ▲

FIELD MODIFIER1 ►

* ALIAS MODIFIER1

* DATA TYPE String

* WIDTH 3

* PRECISION 0

* SCALE 0

Hide Field MODIFIER1 ▲

FIELD CLASS1 ►

* ALIAS CLASS1

* DATA TYPE String

* WIDTH 4

* PRECISION 0

* SCALE 0

Hide Field CLASS1 ▲

FIELD EXTENT1 ►

* ALIAS EXTENT1

* DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

Hide Field EXTENT1 ▲

FIELD SOIL_CODE2 ►

* ALIAS SOIL_CODE2

* DATA TYPE String

* WIDTH 3

* PRECISION 0

* SCALE 0

Hide Field SOIL_CODE2 ▲

FIELD MODIFIER2 ►

* ALIAS MODIFIER2

* DATA TYPE String

* WIDTH 3

* PRECISION 0

* SCALE 0

Hide Field MODIFIER2 ▲

FIELD CLASS2 ►

* ALIAS CLASS2

* DATA TYPE String

* WIDTH 4

* PRECISION 0

* SCALE 0

Hide Field CLASS2 ▲

FIELD EXTENT2 ►

- * ALIAS EXTENT2
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

Hide Field EXTENT2 ▲

FIELD SOIL_CODE3 ►

- * ALIAS SOIL_CODE3
- * DATA TYPE String
- * WIDTH 3
- * PRECISION 0
- * SCALE 0

Hide Field SOIL_CODE3 ▲

FIELD MODIFIER3 ►

- * ALIAS MODIFIER3
- * DATA TYPE String
- * WIDTH 3
- * PRECISION 0
- * SCALE 0

Hide Field MODIFIER3 ▲

FIELD CLASS3 ►

- * ALIAS CLASS3
- * DATA TYPE String
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

Hide Field CLASS3 ▲

FIELD EXTENT3 ►

- * ALIAS EXTENT3
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

Hide Field EXTENT3 ▲

FIELD SLOPEP1 ►

- * ALIAS SLOPEP1
- * DATA TYPE Single
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

Hide Field SLOPEP1 ▲

FIELD SLOPEP2 ►

* ALIAS SLOPEP2

* DATA TYPE Single

* WIDTH 4

* PRECISION 0

* SCALE 0

Hide Field SLOPEP2 ▲

FIELD SLOPEP3 ►

* ALIAS SLOPEP3

* DATA TYPE Single

* WIDTH 4

* PRECISION 0

* SCALE 0

Hide Field SLOPEP3 ▲

FIELD STONE1 ►

* ALIAS STONE1

* DATA TYPE String

* WIDTH 1

* PRECISION 0

* SCALE 0

Hide Field STONE1 ▲

FIELD STONE2 ►

* ALIAS STONE2

* DATA TYPE String

* WIDTH 1

* PRECISION 0

* SCALE 0

Hide Field STONE2 ▲

FIELD STONE3 ►

* ALIAS STONE3

* DATA TYPE String

* WIDTH 1

* PRECISION 0

* SCALE 0

Hide Field STONE3 ▲

FIELD EROSION1 ►

* ALIAS EROSION1

* DATA TYPE String

* WIDTH 1

* PRECISION 0

* SCALE 0

Hide Field EROSION1 ▲

FIELD EROSION2 ►

* ALIAS EROSION2

* DATA TYPE String

* WIDTH 1

* PRECISION 0

* SCALE 0

Hide Field EROSION2 ▲

FIELD EROSION3 ►

* ALIAS EROSION3

* DATA TYPE String

* WIDTH 1

* PRECISION 0

* SCALE 0

Hide Field EROSION3 ▲

FIELD SALINITY1 ►

* ALIAS SALINITY1

* DATA TYPE String

* WIDTH 1

* PRECISION 0

* SCALE 0

Hide Field SALINITY1 ▲

FIELD SALINITY2 ►

* ALIAS SALINITY2

* DATA TYPE String

* WIDTH 1

* PRECISION 0

* SCALE 0

Hide Field SALINITY2 ▲

FIELD SALINITY3 ►

* ALIAS SALINITY3

* DATA TYPE String

* WIDTH 1

* PRECISION 0

* SCALE 0

Hide Field SALINITY3 ▲

FIELD SLOPE_LEN1 ►

* ALIAS SLOPE_LEN1

* DATA TYPE String

* WIDTH 1

* PRECISION 0

* SCALE 0

Hide Field SLOPE_LEN1 ▲

FIELD SLOPE_LEN2 ►

* ALIAS SLOPE_LEN2

* DATA TYPE String

* WIDTH 1

* PRECISION 0

* SCALE 0

Hide Field SLOPE_LEN2 ▲

FIELD SLOPE_LEN3 ►

* ALIAS SLOPE_LEN3

* DATA TYPE String

* WIDTH 1

* PRECISION 0

* SCALE 0

Hide Field SLOPE_LEN3 ▲

FIELD LS_MEAN1 ►

* ALIAS LS_MEAN1

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

Hide Field LS_MEAN1 ▲

FIELD LS_MEAN2 ►

* ALIAS LS_MEAN2

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

Hide Field LS_MEAN2 ▲

FIELD LS_MEAN3 ►

* ALIAS LS_MEAN3

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

Hide Field LS_MEAN3 ▲

FIELD C_ERPOLY ►

* ALIAS C_ERPOLY

* DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

Hide Field C_ERPOLY ▲

FIELD C_AGRI ►

- * ALIAS C_AGRI
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

Hide Field C_AGRI ▲

FIELD C_SLOPE ►

- * ALIAS C_SLOPE
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

Hide Field C_SLOPE ▲

FIELD C_GEN ►

- * ALIAS C_GEN
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

Hide Field C_GEN ▲

FIELD C_POT ►

* ALIAS C_POT

* DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

Hide Field C_POT ▲

FIELD C_DRAIN ►

* ALIAS C_DRAIN

* DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

Hide Field C_DRAIN ▲

FIELD C_MAN ►

* ALIAS C_MAN

* DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

Hide Field C_MAN ▲

FIELD C_SALT ►

- * ALIAS C_SALT
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

Hide Field C_SALT ▲

FIELD C_SOIL ►

- * ALIAS C_SOIL
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

Hide Field C_SOIL ▲

FIELD C_SURFTEXT ►

- * ALIAS C_SURFTEXT
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

Hide Field C_SURFTEXT ▲

FIELD C_STONE ►

- * ALIAS C_STONE
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

Hide Field C_STONE ▲

FIELD ERCLS1 ►

- * ALIAS ERCLS1
- * DATA TYPE String
- * WIDTH 1
- * PRECISION 0
- * SCALE 0

Hide Field ERCLS1 ▲

FIELD ERCLS2 ►

- * ALIAS ERCLS2
- * DATA TYPE String
- * WIDTH 1
- * PRECISION 0
- * SCALE 0

Hide Field ERCLS2 ▲

FIELD ERCLS3 ►

- * ALIAS ERCLS3
- * DATA TYPE String
- * WIDTH 1
- * PRECISION 0
- * SCALE 0

Hide Field ERCLS3 ▲

FIELD ERPOLY ►

- * ALIAS ERPOLY
- * DATA TYPE String
- * WIDTH 1
- * PRECISION 0
- * SCALE 0

Hide Field ERPOLY ▲

FIELD ERSYMBOL ►

- * ALIAS ERSYMBOL
- * DATA TYPE String
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

Hide Field ERSYMBOL ▲

FIELD AGRI_CAP1 ►

* ALIAS AGRI_CAP1

* DATA TYPE String

* WIDTH 4

* PRECISION 0

* SCALE 0

Hide Field AGRI_CAP1 ▲

FIELD AGRI_CAP2 ►

* ALIAS AGRI_CAP2

* DATA TYPE String

* WIDTH 4

* PRECISION 0

* SCALE 0

Hide Field AGRI_CAP2 ▲

FIELD AGRI_CAP3 ►

* ALIAS AGRI_CAP3

* DATA TYPE String

* WIDTH 4

* PRECISION 0

* SCALE 0

Hide Field AGRI_CAP3 ▲

FIELD SOIL_FACT1 ►

* ALIAS SOIL_FACT1

* DATA TYPE String

* WIDTH 3

* PRECISION 0

* SCALE 0

Hide Field SOIL_FACT1 ▲

FIELD LANDSCAPE1 ►

* ALIAS LANDSCAPE1

* DATA TYPE String

* WIDTH 4

* PRECISION 0

* SCALE 0

Hide Field LANDSCAPE1 ▲

FIELD IRRIG_CLA1 ►

* ALIAS IRRIG_CLA1

* DATA TYPE String

* WIDTH 7

* PRECISION 0

* SCALE 0

Hide Field IRRIG_CLA1 ▲

FIELD GEN_RATIN1 ►

* ALIAS GEN_RATIN1

* DATA TYPE String

* WIDTH 9

* PRECISION 0

* SCALE 0

Hide Field GEN_RATIN1 ▲

FIELD POT_IMPAC1 ►

* ALIAS POT_IMPAC1

* DATA TYPE String

* WIDTH 8

* PRECISION 0

* SCALE 0

Hide Field POT_IMPAC1 ▲

FIELD SOIL_FACT2 ►

* ALIAS SOIL_FACT2

* DATA TYPE String

* WIDTH 3

* PRECISION 0

* SCALE 0

Hide Field SOIL_FACT2 ▲

FIELD LANDSCAPE2 ►

* ALIAS LANDSCAPE2

* DATA TYPE String

* WIDTH 4

* PRECISION 0

* SCALE 0

Hide Field LANDSCAPE2 ▲

FIELD IRRIG_CLA2 ►

* ALIAS IRRIG_CLA2

* DATA TYPE String

* WIDTH 7

* PRECISION 0

* SCALE 0

Hide Field IRRIG_CLA2 ▲

FIELD GEN_RATIN2 ►

* ALIAS GEN_RATIN2

* DATA TYPE String

* WIDTH 9

* PRECISION 0

* SCALE 0

Hide Field GEN_RATIN2 ▲

FIELD POT_IMPAC2 ►

* ALIAS POT_IMPAC2

* DATA TYPE String

* WIDTH 8

* PRECISION 0

* SCALE 0

Hide Field POT_IMPAC2 ▲

FIELD SOIL_FACT3 ►

* ALIAS SOIL_FACT3

* DATA TYPE String

* WIDTH 3

* PRECISION 0

* SCALE 0

Hide Field SOIL_FACT3 ▲

FIELD LANDSCAPE3 ►

* ALIAS LANDSCAPE3

* DATA TYPE String

* WIDTH 4

* PRECISION 0

* SCALE 0

Hide Field LANDSCAPE3 ▲

FIELD IRRIG_CLA3 ►

* ALIAS IRRIG_CLA3

* DATA TYPE String

* WIDTH 7

* PRECISION 0

* SCALE 0

Hide Field IRRIG_CLA3 ▲

FIELD GEN_RATIN3 ►

* ALIAS GEN_RATIN3

* DATA TYPE String

* WIDTH 9

* PRECISION 0

* SCALE 0

Hide Field GEN_RATIN3 ▲

FIELD POT_IMPAC3 ►

* ALIAS POT_IMPAC3

* DATA TYPE String

* WIDTH 8

* PRECISION 0

* SCALE 0

Hide Field POT_IMPAC3 ▲

FIELD DRAINAGE1 ►

* ALIAS DRAINAGE1

* DATA TYPE String

* WIDTH 2

* PRECISION 0

* SCALE 0

Hide Field DRAINAGE1 ▲

FIELD DRAINAGE2 ►

* ALIAS DRAINAGE2

* DATA TYPE String

* WIDTH 2

* PRECISION 0

* SCALE 0

Hide Field DRAINAGE2 ▲

FIELD DRAINAGE3 ►

* ALIAS DRAINAGE3

* DATA TYPE String

* WIDTH 2

* PRECISION 0

* SCALE 0

Hide Field DRAINAGE3 ▲

FIELD SURFTEXT1 ►

* ALIAS SURFTEXT1

* DATA TYPE String

* WIDTH 4

* PRECISION 0

* SCALE 0

Hide Field SURFTEXT1 ▲

FIELD SURFTEXT2 ►

* ALIAS SURFTEXT2

* DATA TYPE String

* WIDTH 4

* PRECISION 0

* SCALE 0

Hide Field SURFTEXT2 ▲

FIELD SURFTEXT3 ►

* ALIAS SURFTEXT3

* DATA TYPE String

* WIDTH 4

* PRECISION 0

* SCALE 0

Hide Field SURFTEXT3 ▲

FIELD SURFTEXTM1 ►

* ALIAS SURFTEXTM1

* DATA TYPE String

* WIDTH 2

* PRECISION 0

* SCALE 0

Hide Field SURFTEXTM1 ▲

FIELD SURFTEXTM2 ►

* ALIAS SURFTEXTM2

* DATA TYPE String

* WIDTH 2

* PRECISION 0

* SCALE 0

Hide Field SURFTEXTM2 ▲

FIELD SURFTEXTM3 ►

* ALIAS SURFTEXTM3

* DATA TYPE String

* WIDTH 2

* PRECISION 0

* SCALE 0

Hide Field SURFTEXTM3 ▲

FIELD MANCON1 ►

* ALIAS MANCON1

* DATA TYPE String

* WIDTH 14

* PRECISION 0

* SCALE 0

Hide Field MANCON1 ▲

FIELD MANCON2 ►

* ALIAS MANCON2

* DATA TYPE String

* WIDTH 14

* PRECISION 0

* SCALE 0

Hide Field MANCON2 ▲

FIELD MANCON3 ►

* ALIAS MANCON3

* DATA TYPE String

* WIDTH 14

* PRECISION 0

* SCALE 0

Hide Field MANCON3 ▲

FIELD Shape_Length ►

* ALIAS Shape_Length

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION

Length of feature in internal units.

* DESCRIPTION SOURCE

ESRI

* DESCRIPTION OF VALUES Positive real numbers that are automatically generated.

Hide Field Shape_Length ▲

FIELD Shape_Area ►

* ALIAS Shape_Area

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION

Area of feature in internal units squared.

* DESCRIPTION SOURCE

ESRI

* DESCRIPTION OF VALUES Positive real numbers that are automatically generated.

Hide Field Shape_Area ▲

FIELD RuleID ►

- * ALIAS RuleID
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

Hide Field RuleID ▲

Hide Details for object Seamless_Soils_Study_Area ▲

DETAILS FOR OBJECT sm04_mb.pat ►

- * TYPE Feature Class
- * ROW COUNT 104705

FIELD FID ►

- * ALIAS FID
- * DATA TYPE OID
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Internal feature number.

DESCRIPTION SOURCE

ESRI

DESCRIPTION OF VALUES Sequential unique whole numbers that are automatically generated.

[Hide Field FID ▲](#)

FIELD Shape ►

* ALIAS Shape

* DATA TYPE Geometry

* WIDTH 0

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Feature geometry.

DESCRIPTION SOURCE

ESRI

DESCRIPTION OF VALUES Coordinates defining the features.

[Hide Field Shape ▲](#)

FIELD AREA ►

* WIDTH 8

* OUTPUT WIDTH 18

* DATA TYPE Float

* NUMBER OF DECIMALS 5

DESCRIPTION SOURCE

ESRI

* FIELD DESCRIPTION

Area of feature in internal units squared.

DESCRIPTION OF VALUES Positive real numbers that are automatically generated.

[Hide Field AREA ▲](#)

FIELD PERIMETER ►

* WIDTH 8

* OUTPUT WIDTH 18

* DATA TYPE Float

* NUMBER OF DECIMALS 5

DESCRIPTION SOURCE

ESRI

* FIELD DESCRIPTION

Perimeter of feature in internal units.

DESCRIPTION OF VALUES Positive real numbers that are automatically generated.

Hide Field PERIMETER ▲

FIELD SM04_MB# ►

* WIDTH 4

* OUTPUT WIDTH 5

* DATA TYPE Binary

DESCRIPTION SOURCE

ESRI

* FIELD DESCRIPTION

Internal feature number.

DESCRIPTION OF VALUES Sequential unique whole numbers that are automatically generated.

Hide Field SM04_MB# ▲

FIELD SM04_MB-ID ►

* WIDTH 4

* OUTPUT WIDTH 5

* DATA TYPE Binary

DESCRIPTION SOURCE

ESRI

* FIELD DESCRIPTION

User-defined feature number.

Hide Field SM04_MB-ID ▲

FIELD TAGID ►

* WIDTH 20

* OUTPUT WIDTH 20

* DATA TYPE Character

* NUMBER OF DECIMALS 0

FIELD DESCRIPTION

System Attribute for storing polygon identifier. Field is common to all map databases and is used to connect databases in GIS or Database program to each other.

DESCRIPTION OF VALUES Character field

Hide Field TAGID ▲

FIELD RM ►

* WIDTH 25

* OUTPUT WIDTH 25

* DATA TYPE Character

* NUMBER OF DECIMALS 0

FIELD DESCRIPTION

Manitoba Rural Municipality name.

DESCRIPTION OF VALUES Character field

Hide Field RM ▲

FIELD KEY ►

* WIDTH 45

* OUTPUT WIDTH 45

* DATA TYPE Character

FIELD DESCRIPTION

Unique unique soil polygon identifier. Combines RM and TAGID fields.

DESCRIPTION OF VALUES Character field

Hide Field KEY ▲

FIELD MAPUNITNOM ►

* WIDTH 60

* OUTPUT WIDTH 60

* DATA TYPE Character

FIELD DESCRIPTION

Soil map unit symbol as shown on the original paper map.

DESCRIPTION OF VALUES Character field

Hide Field MAPUNITNOM ▲

FIELD SOIL_CODE1 ►

* WIDTH 3

* OUTPUT WIDTH 3

* DATA TYPE Character

FIELD DESCRIPTION

Three character soil code for the primary soil name.

DESCRIPTION OF VALUES Character field

Hide Field SOIL_CODE1 ▲

FIELD MODIFIER1 ►

* WIDTH 3

* OUTPUT WIDTH 3

* DATA TYPE Character

FIELD DESCRIPTION

Three character code to show primary soil variations. Modifiers may be used in various combinations as required. Common single modifiers include: d__ - drained phase, p__ - peaty phase, S__ - Sphaginic phase (organic soils only), v__ - very poorly drained phase, s__ slightly saline phase, t__ - moderately saline phase, u__ - strongly saline phase, C__ - clay substrate phase, 1__ - numeric variant (series specific), 2__ - numeric variant (series specific), __1 - slightly eroded phase, __2 - moderately eroded phase, __3 - strongly eroded phase, __o - overblown phase, __a - active phase. Modifier codes are left justified except for erosion phase variants.

DESCRIPTION OF VALUES Character field

Hide Field MODIFIER1 ▲

FIELD CLASS1 ►

* WIDTH 4

* OUTPUT WIDTH 4

* DATA TYPE Character

FIELD DESCRIPTION

Field for storing erosion, slope, stoniness and salinity codes for the primary soil. Used with SOIL_CODE1 and MODIFIER1 to create unique soil map units.

DESCRIPTION OF VALUES Character field

Hide Field CLASS1 ▲

FIELD EXTENT1 ►

* WIDTH 4

* OUTPUT WIDTH 3

* DATA TYPE Binary

FIELD DESCRIPTION

Percent of the map unit occupied by the primary soil.

RANGE OF VALUES

MINIMUM VALUE 40

MAXIMUM VALUE 100

Hide Field EXTENT1 ▲

FIELD SOIL_CODE2 ►

* WIDTH 3

* OUTPUT WIDTH 3

* DATA TYPE Character

FIELD DESCRIPTION

Three character soil code for the secondary soil name.

DESCRIPTION OF VALUES Character field

Hide Field SOIL_CODE2 ▲

FIELD MODIFIER2 ►

* WIDTH 3

* OUTPUT WIDTH 3

* DATA TYPE Character

FIELD DESCRIPTION

Three character code to show secondary soil variations. Modifiers may be used in various combinations as required. Common single modifiers include: d__ - drained phase, p__ - peaty phase, S__ - Sphagnic phase (organic soils only), v__ - very poorly drained phase, s__ slightly saline phase, t__ - moderately saline phase, u__ - strongly saline phase, C__ - clay substrate phase, 1__ - numeric variant (series specific), 2__ - numeric variant (series specific), __1 - slightly eroded phase, __2 - moderately eroded phase, __3 - strongly eroded phase, __o - overblown phase, __a - active phase. Modifier codes are left justified except for erosion phase variants.

DESCRIPTION OF VALUES Character field

Hide Field MODIFIER2 ▲

FIELD CLASS2 ►

* WIDTH 4

* OUTPUT WIDTH 4

* DATA TYPE Character

FIELD DESCRIPTION

Field for storing erosion, slope, stoniness and salinity codes for the secondary soil. Used with SOIL_CODE2 and MODIFIER2 to create unique soil map units.

DESCRIPTION OF VALUES Character field

Hide Field CLASS2 ▲

FIELD EXTENT2 ►

* WIDTH 4

* OUTPUT WIDTH 2

* DATA TYPE Binary

FIELD DESCRIPTION

Percent of the map unit occupied by the secondary soil.

RANGE OF VALUES

MINIMUM VALUE 0

MAXIMUM VALUE 50

[Hide Field EXTENT2 ▲](#)

FIELD SOIL_CODE3 ►

* WIDTH 3

* OUTPUT WIDTH 3

* DATA TYPE Character

FIELD DESCRIPTION

Three character soil code for the tertiary soil name.

DESCRIPTION OF VALUES Character field

[Hide Field SOIL_CODE3 ▲](#)

FIELD MODIFIER3 ►

* WIDTH 3

* OUTPUT WIDTH 3

* DATA TYPE Character

FIELD DESCRIPTION

Three character code to show tertiary soil variations. Modifiers may be used in various combinations as required. Common single modifiers include: d__ - drained phase, p__ - peaty phase, S__ - Sphaginic phase (organic soils only), v__ - very poorly drained phase, s__slightly saline phase, t__ - moderately saline phase, u__ - strongly saline phase, C__ - clay substrate phase, 1__ - numeric variant (series specific), 2__ - numeric variant (series specific), __1 - slightly eroded phase, __2 - moderately eroded phase, __3 - strongly eroded phase, __o - overblown phase, __a - active phase. Modifier codes are left justified except for erosion phase variants.

DESCRIPTION OF VALUES Character field

[Hide Field MODIFIER3 ▲](#)

FIELD CLASS3 ►

* WIDTH 4

* OUTPUT WIDTH 4

* DATA TYPE Character

FIELD DESCRIPTION

Field for storing erosion, slope, stoniness and salinity codes for the tertiary soil. Used with SOIL_CODE3 and MODIFIER3 to create unique soil map units.

DESCRIPTION OF VALUES Character field

Hide Field CLASS3 ▲

FIELD EXTENT3 ►

* WIDTH 4

* OUTPUT WIDTH 2

* DATA TYPE Binary

FIELD DESCRIPTION

Percent of the map unit occupied by the tertiary soil.

RANGE OF VALUES

MINIMUM VALUE 0

MAXIMUM VALUE 30

Hide Field EXTENT3 ▲

FIELD SLOPEP1 ►

* WIDTH 4

* OUTPUT WIDTH 5

* DATA TYPE Float

* NUMBER OF DECIMALS 1

FIELD DESCRIPTION

Slope steepness (in percent) of the primary soil.

LIST OF VALUES

VALUE -9

DESCRIPTION Not applicable (SOIL_CODE1 is nonsoil or unclassified)

VALUE 0.1

DESCRIPTION Percent

VALUE 0.2

DESCRIPTION Percent

VALUE 0.5

DESCRIPTION Percent

VALUE 1

DESCRIPTION Percent

VALUE 1.5

DESCRIPTION Percent

VALUE 2

DESCRIPTION Percent

VALUE 3.5

DESCRIPTION Percent

VALUE 7

DESCRIPTION Percent

VALUE 7.5

DESCRIPTION Percent

VALUE 12

DESCRIPTION Percent

VALUE 12.5

DESCRIPTION Percent

VALUE 22

DESCRIPTION Percent

VALUE 22.5

DESCRIPTION Percent

VALUE 37.5

DESCRIPTION Percent

VALUE 57.5

DESCRIPTION Percent

VALUE 85

DESCRIPTION Percent

Hide Field SLOPE1 ▲

FIELD SLOPEP2 ►

- * WIDTH 4
- * OUTPUT WIDTH 5
- * DATA TYPE Float
- * NUMBER OF DECIMALS 1

FIELD DESCRIPTION

Slope steepness (in percent) of the secondary soil.

LIST OF VALUES

VALUE	-9
DESCRIPTION	Not applicable (SOIL_CODE2 is nonsoil or unclassified)
VALUE	0.1
DESCRIPTION	Percent
VALUE	0.2
DESCRIPTION	Percent
VALUE	0.5
DESCRIPTION	Percent
VALUE	1
DESCRIPTION	Percent
VALUE	1.5
DESCRIPTION	Percent
VALUE	2
DESCRIPTION	Percent

VALUE 3.5

DESCRIPTION Percent

VALUE 7

DESCRIPTION Percent

VALUE 7.5

DESCRIPTION Percent

VALUE 12

DESCRIPTION Percent

VALUE 12.5

DESCRIPTION Percent

VALUE 22.5

DESCRIPTION Percent

VALUE 37.5

DESCRIPTION Percent

VALUE 57.5

DESCRIPTION Percent

VALUE 85

DESCRIPTION Percent

Hide Field SLOPEP2 ▲

FIELD SLOPEP3 ►

- * WIDTH 4
- * OUTPUT WIDTH 5
- * DATA TYPE Float
- * NUMBER OF DECIMALS 1

FIELD DESCRIPTION

Slope steepness (in percent) of the tertiary soil.

LIST OF VALUES

VALUE -9

DESCRIPTION Not applicable (SOIL_CODE3 is nonsoil or unclassified)

VALUE 0.1

DESCRIPTION Percent

VALUE 0.2

DESCRIPTION Percent

VALUE 0.5

DESCRIPTION Percent

VALUE 1

DESCRIPTION Percent

VALUE 3.5

DESCRIPTION Percent

VALUE 7

DESCRIPTION Percent

VALUE 7.5

DESCRIPTION Percent

VALUE 12

DESCRIPTION Percent

VALUE 12.5

DESCRIPTION Percent

VALUE 22.5

DESCRIPTION Percent

VALUE 37.5

DESCRIPTION Percent

Hide Field SLOPE3 ▲

FIELD STONE1 ►

* WIDTH 1

* OUTPUT WIDTH 1

* DATA TYPE Character

* NUMBER OF DECIMALS 1

FIELD DESCRIPTION

Stoniness class of the primary soil.

LIST OF VALUES

VALUE -

DESCRIPTION Not applicable

VALUE 0

DESCRIPTION Non-stony (0 < 0.01% surface covered)

VALUE 1

DESCRIPTION Slightly stony (0.01 - 0.1% surface covered)

VALUE 2

DESCRIPTION Moderately stony (0.1 - 3% surface covered)

VALUE 3

DESCRIPTION Very stony (3 - 15% surface covered)

VALUE 4

DESCRIPTION Exceedingly stony (15 - 50% surface covered)

VALUE 5

DESCRIPTION Excessively stony (> 50% surface covered)

Hide Field STONE1 ▲

FIELD STONE2 ►

* WIDTH 1

* OUTPUT WIDTH 1

* DATA TYPE Character

* NUMBER OF DECIMALS 1

FIELD DESCRIPTION

Stoniness class of the secondary soil.

LIST OF VALUES

VALUE -

DESCRIPTION Not applicable

VALUE 0

DESCRIPTION Non-stony (0 < 0.01% surface covered)

VALUE 1

DESCRIPTION Slightly stony (0.01 - 0.1% surface covered)

VALUE 2

DESCRIPTION Moderately stony (0.1 - 3% surface covered)

VALUE 3

DESCRIPTION Very stony (3 - 15% surface covered)

VALUE 4

DESCRIPTION Exceedingly stony (15 - 50% surface covered)

VALUE 5

DESCRIPTION Excessively stony (> 50% surface covered)

Hide Field STONE2 ▲

FIELD STONE3 ►

* WIDTH 1

* OUTPUT WIDTH 1

* DATA TYPE Character

FIELD DESCRIPTION

Stoniness class of the tertiary soil.

LIST OF VALUES

VALUE -

DESCRIPTION Not applicable

VALUE 0

DESCRIPTION Non-stony (0 < 0.1% surface covered)

VALUE 1

DESCRIPTION Slightly stony (0.01 - 0.1% surface covered)

VALUE 2

DESCRIPTION Moderately stony (0.1 - 3% surface covered)

VALUE 3

DESCRIPTION Very stony (3 - 15% surface covered)

VALUE 4

DESCRIPTION Exceedingly stony (15 - 50% surface covered)

VALUE 5

DESCRIPTION Excessively stony (> 50% surface covered)

Hide Field STONE3 ▲

FIELD EROSION1 ►

* WIDTH 1

* OUTPUT WIDTH 1

* DATA TYPE Character

FIELD DESCRIPTION

Apparent erosion class of the primary soil.

LIST OF VALUES

VALUE -

DESCRIPTION Not applicable

VALUE 0

DESCRIPTION Non-eroded

VALUE 1

DESCRIPTION Slightly eroded

VALUE 2

DESCRIPTION Moderately eroded

VALUE 3

DESCRIPTION Strongly eroded

VALUE 0

DESCRIPTION Overblown

Hide Field EROSION1 ▲

FIELD EROSION2 ►

* WIDTH 1

* OUTPUT WIDTH 1

* DATA TYPE Character

FIELD DESCRIPTION

Apparent erosion class of the secondary soil.

LIST OF VALUES

VALUE -

DESCRIPTION Not applicable

VALUE 0

DESCRIPTION Non-eroded

VALUE 1

DESCRIPTION Slightly eroded

VALUE 2

DESCRIPTION Moderately eroded

VALUE 3

DESCRIPTION Strongly eroded

VALUE 0

DESCRIPTION Overblown

Hide Field EROSION2 ▲

FIELD EROSION3 ►

* WIDTH 1

* OUTPUT WIDTH 1

* DATA TYPE Character

FIELD DESCRIPTION

Apparent erosion class of the tertiary soil.

LIST OF VALUES

VALUE -

DESCRIPTION Not applicable

VALUE 0

DESCRIPTION Non-eroded

VALUE 1

DESCRIPTION Slightly eroded

VALUE 2

DESCRIPTION Moderately eroded

VALUE 3

DESCRIPTION Strongly eroded

VALUE 0

DESCRIPTION Overblown

Hide Field EROSION3 ▲

FIELD SALINITY1 ►

* WIDTH 1

* OUTPUT WIDTH 1

* DATA TYPE Character

FIELD DESCRIPTION

Salinity class of the primary soil.

LIST OF VALUES

VALUE 0

DESCRIPTION Non-saline (0 - 4 mS/cm)

VALUE s

DESCRIPTION Weakly saline (4 - 8mS/cm)

VALUE t

DESCRIPTION Moderately saline (8 - 15 mS/cm)

VALUE u

DESCRIPTION Strongly saline (> 15 mS/cm)

VALUE -

DESCRIPTION No salinity rating

Hide Field SALINITY1 ▲

FIELD SALINITY2 ►

* WIDTH 1

* OUTPUT WIDTH 1

* DATA TYPE Character

FIELD DESCRIPTION

Salinity class of the secondary soil.

LIST OF VALUES

VALUE 0

DESCRIPTION Non-saline (0 - 4 mS/cm)

VALUE s

DESCRIPTION Weakly saline (4 - 8mS/cm)

VALUE t

DESCRIPTION Moderately saline (8 - 15 mS/cm)

VALUE u

DESCRIPTION Strongly saline (> 15 mS/cm)

VALUE -

DESCRIPTION No salinity rating

Hide Field SALINITY2 ▲

FIELD SALINITY3 ►

* WIDTH 1

* OUTPUT WIDTH 1

* DATA TYPE Character

FIELD DESCRIPTION

Salinity class of the tertiary soil.

LIST OF VALUES

VALUE 0

DESCRIPTION Non-saline (0 - 4 mS/cm)

VALUE s

DESCRIPTION Weakly saline (4 - 8mS/cm)

VALUE t

DESCRIPTION Moderately saline (8 - 15 mS/cm)

VALUE u

DESCRIPTION Strongly saline (> 15 mS/cm)

VALUE -

DESCRIPTION No salinity rating

Hide Field SALINITY3 ▲

FIELD SLOPE_LEN1 ►

* WIDTH 1

* OUTPUT WIDTH 1

* DATA TYPE Character

FIELD DESCRIPTION

Dominant slope length of the primary soil measured from the crest to the base of the slope.

LIST OF VALUES

VALUE -

DESCRIPTION Not Applicable

VALUE 1

DESCRIPTION < 50 metres

DESCRIPTION 50 - 200 metres

VALUE 2

VALUE 3

DESCRIPTION 200 - 400 metres

VALUE 4

DESCRIPTION 400 - 800 metres

VALUE 5

DESCRIPTION 800 - 1600 metres

VALUE 6

DESCRIPTION > 1600 metres

Hide Field SLOPE_LEN1 ▲

FIELD SLOPE_LEN2 ►

* WIDTH 1

* OUTPUT WIDTH 1

* DATA TYPE Character

FIELD DESCRIPTION

Dominant slope length of the secondary soil measured from the crest to the base of the slope.

LIST OF VALUES

VALUE -

DESCRIPTION Not Applicable

VALUE 1

DESCRIPTION < 50 metres

VALUE 2

DESCRIPTION 50 - 200 metres

VALUE 3

DESCRIPTION 200 - 400 metres

VALUE 4

DESCRIPTION 400 - 800 metres

VALUE 5

DESCRIPTION 800 - 1600 metres

VALUE 6

DESCRIPTION > 1600 metres

Hide Field SLOPE_LEN2 ▲

FIELD SLOPE_LEN3 ►

* WIDTH 1

* OUTPUT WIDTH 1

* DATA TYPE Character

FIELD DESCRIPTION

Dominant slope length of the tertiary soil measured from the crest to the base of the slope.

LIST OF VALUES

VALUE -

DESCRIPTION Not Applicable

VALUE 1

DESCRIPTION < 50 metres

VALUE 2

DESCRIPTION 50 - 200 metres

VALUE 3

DESCRIPTION 200 - 400 metres

VALUE 4

DESCRIPTION 400 - 800 metres

VALUE 5

DESCRIPTION 800 - 1600 metres

VALUE 6

DESCRIPTION > 1600 metres

Hide Field SLOPE_LEN3 ▲

FIELD LS_MEAN1 ►

* WIDTH 8

* OUTPUT WIDTH 12

* DATA TYPE Float

* NUMBER OF DECIMALS 5

FIELD DESCRIPTION

Slope length and steepness value used in the Universal Soil Loss Equation for the primary soil.

DESCRIPTION OF VALUES Numeric field

Hide Field LS_MEAN1 ▲

FIELD LS_MEAN2 ►

* WIDTH 8

* OUTPUT WIDTH 12

* DATA TYPE Float

* NUMBER OF DECIMALS 5

FIELD DESCRIPTION

Slope length and steepness value used in the Universal Soil Loss Equation for the secondary soil.

DESCRIPTION OF VALUES Numeric field

[Hide Field LS_MEAN2 ▲](#)

FIELD LS_MEAN3 ►

* WIDTH 8

* OUTPUT WIDTH 12

* DATA TYPE Float

* NUMBER OF DECIMALS 5

FIELD DESCRIPTION

Slope length and steepness value used in the Universal Soil Loss Equation for the tertiary soil.

DESCRIPTION OF VALUES Numeric field

[Hide Field LS_MEAN3 ▲](#)

FIELD C_ERPOLY ►

* WIDTH 4

* OUTPUT WIDTH 3

* DATA TYPE Binary

* NUMBER OF DECIMALS 5

FIELD DESCRIPTION

Numeric organization of ERPOLY data into a numeric sequence for incorporation into a GIS.

LIST OF VALUES

VALUE 6

DESCRIPTION Water

VALUE 16

DESCRIPTION Urban, modified or unclassified

VALUE 21

DESCRIPTION Negligible (N)

VALUE 22

DESCRIPTION Low (L)

VALUE 23

DESCRIPTION Medium (M)

VALUE 24

DESCRIPTION High (H)

VALUE 25

DESCRIPTION Severe (S)

Hide Field C_ERPOLY ▲

FIELD C_AGR1 ►

* WIDTH 4

* OUTPUT WIDTH 3

* DATA TYPE Binary

* NUMBER OF DECIMALS 5

FIELD DESCRIPTION

Numeric organization of AGR1_CAP1 data into a numeric sequence for incorporation into a GIS.

LIST OF VALUES

VALUE 6

DESCRIPTION Water

VALUE 16

DESCRIPTION Urban, modified or unclassified

VALUE 21

DESCRIPTION Agricultural Capability Class 1

VALUE 22

DESCRIPTION Agricultural Capability Class 2

VALUE 23

DESCRIPTION Agricultural Capability Class 3

VALUE 24

DESCRIPTION Agricultural Capability Class 4

VALUE 25

DESCRIPTION Agricultural Capability Class 5

VALUE 26

DESCRIPTION Agricultural Capability Class 6

VALUE 27

DESCRIPTION Agricultural Capability Class 7

VALUE 28

DESCRIPTION Agricultural Capability Class O (organic soils)

Hide Field C_AGRI ▲

FIELD C_SLOPE ►

* WIDTH 4

* OUTPUT WIDTH 3

* DATA TYPE Binary

FIELD DESCRIPTION

 Numeric organization of SLOPEP1 data into a numeric sequence for incorporation into a GIS.

LIST OF VALUES

VALUE 6

DESCRIPTION Water

VALUE 16

DESCRIPTION Urban, modified or unclassified

VALUE 21

DESCRIPTION Slope 0, 0.5, 1.0%

VALUE 22

DESCRIPTION Slope 2.0 - 5.0%

VALUE 23

DESCRIPTION Slope 5.0 - 9.0%

VALUE 24

DESCRIPTION Slope 9.0 - 15.0%

VALUE 25

DESCRIPTION Slope 15.0 - 30.0%

VALUE 26

DESCRIPTION Slope > 30% or SOIL_CODE1 is \$ER (eroded slopes)

Hide Field C_SLOPE ▲

FIELD C_GEN ►

* WIDTH 4

* OUTPUT WIDTH 3

* DATA TYPE Binary

FIELD DESCRIPTION

Numeric organization of GEN_RATIN1 data into a numeric sequence for incorporation into a GIS.

LIST OF VALUES

VALUE 6

DESCRIPTION Water

VALUE 16

DESCRIPTION Urban, modified or unclassified

VALUE 21

DESCRIPTION Excellent

VALUE 22

DESCRIPTION Good

VALUE 23

DESCRIPTION Fair

VALUE 24

DESCRIPTION Poor

VALUE 25

DESCRIPTION Organic soil

Hide Field C_GEN ▲

FIELD C_POT ►

* WIDTH 4

* OUTPUT WIDTH 3

* DATA TYPE Binary

FIELD DESCRIPTION

Numeric organization of POT_IMPAC1 data into a numeric sequence for incorporation into a GIS.

LIST OF VALUES

VALUE 6

DESCRIPTION Water

VALUE 16

DESCRIPTION Urban, modified or unclassified

VALUE 21

DESCRIPTION None

VALUE 22

DESCRIPTION Low

VALUE 23

DESCRIPTION Medium

VALUE 24

DESCRIPTION High

VALUE 25

DESCRIPTION Organic soil

Hide Field C_POT ▲

FIELD C_DRAIN ►

* WIDTH 4

* OUTPUT WIDTH 3

* DATA TYPE Binary

FIELD DESCRIPTION

Numeric organization of DRAINAGE1 data into a numeric sequence for incorporation into a GIS.

LIST OF VALUES

VALUE 6

DESCRIPTION Water

VALUE 13

DESCRIPTION Marsh

VALUE 16

DESCRIPTION Urban, modified or unclassified

VALUE 22

DESCRIPTION Rapid

VALUE 23

DESCRIPTION Well

VALUE 25

DESCRIPTION Imperfect

VALUE 26

DESCRIPTION Poor

VALUE 27

DESCRIPTION Very Poor

VALUE 28

DESCRIPTION Rock

VALUE 29

DESCRIPTION Poor (Improved)

Hide Field C_DRAIN ▲

FIELD C_MAN ►

* WIDTH 4

* OUTPUT WIDTH 3

* DATA TYPE Binary

FIELD DESCRIPTION

Numeric organization of MANCON1 data into a numeric sequence for incorporation into a GIS.

LIST OF VALUES

VALUE 6

DESCRIPTION Water

VALUE 13

DESCRIPTION Marsh

VALUE 16

DESCRIPTION Urban, modified or unclassified

VALUE 20

DESCRIPTION No constraints

VALUE 21

DESCRIPTION C (coarse texture)

VALUE 24

DESCRIPTION T (topography), CWT (coarse texture, wetness, topography), FWT (fine texture, wetness, topography) or SOIL_CODE1 is \$ER (eroded slopes)

VALUE 30

DESCRIPTION B (bedrock), WB (wetness, bedrock) or TB (topography, bedrock)

VALUE 31

DESCRIPTION W (wetness) or T (topography)

VALUE 33

DESCRIPTION F (fine texture)

VALUE 34

DESCRIPTION CW (coarse texture, wetness)

VALUE 35

DESCRIPTION CT (coarse texture, topography)

VALUE 40

DESCRIPTION FW (fine texture, wetness)

VALUE 45

DESCRIPTION Organic soil

VALUE 49

DESCRIPTION FT (fine texture, wetness)

[Hide Field C_MAN ▲](#)

FIELD C_SALT ►

* WIDTH 4

* OUTPUT WIDTH 3

* DATA TYPE Binary

FIELD DESCRIPTION

Numeric organization of SALINITY1 data into a numeric sequence for incorporation into a GIS.

LIST OF VALUES

VALUE 6

DESCRIPTION Water

VALUE 16

DESCRIPTION Urban, modified or unclassified

VALUE 21

DESCRIPTION Salinity class 'x'

VALUE 22

DESCRIPTION Salinity class 's'

VALUE 23

DESCRIPTION Salinity class 't'

VALUE 24

DESCRIPTION Salinity class 'u'

[Hide Field C_SALT ▲](#)

FIELD C_SOIL ►

* WIDTH 8

* OUTPUT WIDTH 8

* DATA TYPE Float

* NUMBER OF DECIMALS 0

FIELD DESCRIPTION

Numeric organization of Order, Mode of Deposition, Sub Group, Texture, Drainage, Chemical Composition and Climatic Zone data into a numeric sequence for incorporation into a GIS. All data is based on the primary soil.

LIST OF VALUES

VALUE 2

DESCRIPTION Urban, modified or unclassified

VALUE 6

DESCRIPTION Water

VALUE 16

DESCRIPTION Salt flats

VALUE 18

DESCRIPTION Sand and gravel

VALUE 19

DESCRIPTION Eroded slopes

VALUE 20

DESCRIPTION Sand and gravel (gleysols)

VALUE 21

DESCRIPTION Sandy lacustrine

VALUE 22

DESCRIPTION Variable textured alluvium (regosols)

VALUE 26

DESCRIPTION Sandy eolian

VALUE 27

DESCRIPTION Loamy till with water worked surfaces

VALUE 28

DESCRIPTION Loamy till (black chernozems)

VALUE 29

DESCRIPTION Loamy till (gleysols)

VALUE 30

DESCRIPTION Sandy loam lacustrine

VALUE 31

DESCRIPTION Loamy lacustrine

VALUE 32

DESCRIPTION Strongly acidic clay till

VALUE 33

DESCRIPTION Clayey lacustrine (black chernozems)

VALUE 34

DESCRIPTION Sandy lacustrine (gleysols)

VALUE 35

DESCRIPTION Shallow organic fen peat

VALUE 36

DESCRIPTION Deep organic fen peat

VALUE 37

DESCRIPTION Sandy loam lacustrine (gleysols)

VALUE 38

DESCRIPTION Loam lacustrine (gleysols)

VALUE 40

DESCRIPTION Clayey lacustrine (gleysols)

VALUE 42

DESCRIPTION Clay over shale bedrock

VALUE 48

DESCRIPTION Loamy till (dark grey chernozems)

VALUE 49

DESCRIPTION Marsh

VALUE 50

DESCRIPTION Highly calcareous loamy till (brunisols and dark grey chernozems)

VALUE 51

DESCRIPTION Loamy till (luvisols)

VALUE 52

DESCRIPTION Highly calcareous loamy till (black chernozems)

VALUE 53

DESCRIPTION Acidic coarse loamy till

VALUE 54

DESCRIPTION Weakly calcareous sandy loam till

VALUE 55

DESCRIPTION Weakly calcareous sandy loam till (gleysols)

VALUE 56

DESCRIPTION Extremely calcareous loamy till (black chernozems)

VALUE 57

DESCRIPTION Extremely calcareous loamy till (black chernozems)

VALUE 60

DESCRIPTION Variable textured alluvium (gleysols)

VALUE 62

DESCRIPTION Highly calcareous loamy till (gleysols)

VALUE 63

DESCRIPTION Clayey lacustrine (gleysols)

VALUE 64

DESCRIPTION Clayey lacustrine (luvisols and dark grey chernozems)

VALUE 68

DESCRIPTION Shallow organic forest peat

VALUE 69

DESCRIPTION Deep organic forest or sphagnum peat

VALUE 71

DESCRIPTION Precambrian bedrock

VALUE 72

DESCRIPTION Sand and gravel with overlays

VALUE 73

DESCRIPTION Limestone bedrock

VALUE 74

DESCRIPTION Sand and gravel with overlays (gleysols)

Hide Field C_SOIL ▲

FIELD C_SURFTEXT ►

* WIDTH 4

* OUTPUT WIDTH 3

* DATA TYPE Binary

FIELD DESCRIPTION

Numeric organization of SURFTEXT1 data into a numeric sequence for incorporation into a GIS.

LIST OF VALUES

VALUE 3

DESCRIPTION SOIL_CODE1 is \$ER (eroded slopes)

VALUE 6

DESCRIPTION Water

VALUE 16

DESCRIPTION Urban, modified or unclassified

VALUE 21

DESCRIPTION Clayey (C, SIC, SC, C-CL)

VALUE 22

DESCRIPTION Fine loamy (CL, SICL, SiCL, SCL, CL-L, CL-C, L-CL, L)

VALUE 23

DESCRIPTION Coarse loamy (VFSL, SL-L, SIL, FSL, VFS, LVFS, SL)

VALUE 24

DESCRIPTION Sand (S-SL, LFS, LS, FS, CSL)

VALUE 25

DESCRIPTION Coarse sands (CS, S, MS, GRLS, GRSL, LCS, CB)

VALUE 26

DESCRIPTION Organic (M, O, H, F)

Hide Field C_SURFTEXT ▲

FIELD C_STONE ►

* WIDTH 4

* OUTPUT WIDTH 3

* DATA TYPE Binary

* NUMBER OF DECIMALS 0

FIELD DESCRIPTION

Numeric organization of STONE1 data into a numeric sequence for incorporation into a GIS.

LIST OF VALUES

VALUE 6

DESCRIPTION Water

VALUE 16

DESCRIPTION Urban, modified or unclassified

VALUE 20

DESCRIPTION Non-stony

VALUE 21

DESCRIPTION Slightly stony

VALUE 22

DESCRIPTION Moderately stony

VALUE 23

DESCRIPTION Very stony

VALUE 24

DESCRIPTION Exceedingly stony

VALUE 25

DESCRIPTION Excessively stony

Hide Field C_STONE ▲

FIELD ERCLS1 ►

* WIDTH 1

* OUTPUT WIDTH 1

* DATA TYPE Character

FIELD DESCRIPTION

Calculation of the estimated soil loss on bare unprotected soil using the Universal Soil Loss Equation (USLE) on the primary soil.

LIST OF VALUES

VALUE N

DESCRIPTION Negligible (< 6 tonnes/hectare/year)

VALUE L

DESCRIPTION Low (6 - 11 tonnes/hectare/year)

VALUE M

DESCRIPTION Moderate (11 - 22 tonnes/hectare/year)

VALUE H

DESCRIPTION High (22 - 33 tonnes/hectare/year)

VALUE S

DESCRIPTION Severe (> 33 tonnes/hectare/year)

Hide Field ERCLS1 ▲

FIELD ERCLS2 ►

* WIDTH 1

* OUTPUT WIDTH 1

* DATA TYPE Character

FIELD DESCRIPTION

Calculation of the estimated soil loss on bare unprotected soil using the Universal Soil Loss Equation (USLE) on the secondary soil.

LIST OF VALUES

VALUE N

DESCRIPTION Negligible (< 6 tonnes/hectare/year)

VALUE L

DESCRIPTION Low (6 - 11 tonnes/hectare/year)

VALUE M

DESCRIPTION Moderate (11 - 22 tonnes/hectare/year)

VALUE H

DESCRIPTION High (22 - 33 tonnes/hectare/year)

VALUE S

DESCRIPTION Severe (> 33 tonnes/hectare/year)

Hide Field ERCLS2 ▲

FIELD ERCLS3 ►

* WIDTH 1

* OUTPUT WIDTH 1

* DATA TYPE Character

FIELD DESCRIPTION

Calculation of the estimated soil loss on bare unprotected soil using the Universal Soil Loss Equation (USLE) on the tertiary soil.

LIST OF VALUES

VALUE N

DESCRIPTION Negligible (< 6 tonnes/hectare/year)

VALUE L

DESCRIPTION Low (6 - 11 tonnes/hectare/year)

VALUE M

DESCRIPTION Moderate (11 - 22 tonnes/hectare/year)

VALUE H

DESCRIPTION High (22 - 33 tonnes/hectare/year)

VALUE S

DESCRIPTION Severe (> 33 tonnes/hectare/year)

Hide Field ERCLS3 ▲

FIELD ERPOLY ►

* WIDTH 1

* OUTPUT WIDTH 1

* DATA TYPE Character

FIELD DESCRIPTION

Summary calculation of ERCLS1, ERCLS2 and ERCLS3.

LIST OF VALUES

VALUE N

DESCRIPTION Negligible (< 6 tonnes/hectare/year)

VALUE L

DESCRIPTION Low (6 - 11 tonnes/hectare/year)

VALUE M

DESCRIPTION Moderate (11 - 22 tonnes/hectare/year)

VALUE H

DESCRIPTION High (22 - 33 tonnes/hectare/year)

VALUE S

DESCRIPTION Severe (> 33 tonnes/hectare/year)

Hide Field ERPOLY ▲

FIELD ERSYMBOL ►

* WIDTH 8

* OUTPUT WIDTH 8

* DATA TYPE Character

FIELD DESCRIPTION

Weighted average calculation of ERCLS1, ERCLS2 and ERCLS3.

LIST OF VALUES

VALUE N

DESCRIPTION Negligible (< 6 tonnes/hectare/year)

VALUE L

DESCRIPTION Low (6 - 11 tonnes/hectare/year)

VALUE M

DESCRIPTION Moderate (11 - 22 tonnes/hectare/year)

VALUE H

DESCRIPTION High (22 - 33 tonnes/hectare/year)

VALUE S

DESCRIPTION Severe (> 33 tonnes/hectare/year)

Hide Field ERSYMBOL ▲

FIELD AGRI_CAP1 ►

* WIDTH 4

* OUTPUT WIDTH 4

* DATA TYPE Character

FIELD DESCRIPTION

Agricultural capability for dryland agriculture using the 7 class Canada Land Inventory (CLI) system for the primary soil. The seven capability classes which groups soils together have the same relative degree of limitation or hazard for agricultural use. The limitation becomes progressively greater from Class 1 to Class 7. Various kinds of limitations within soil capability classes are: D - Undesirable soil structure or permeability, E - Erosion, F - Low Fertility, I - Inundation, L - Coarse Wood Fragments, M - Moisture Limitation, N - Salinity, P - Stoniness, R - Consolidated Bedrock, T - Topography, W - Excess Water, X - Cumulative minor adverse characteristics.

DESCRIPTION SOURCE

Canada Land Inventory. 1965. Soil Capability Classification for Agriculture. Canada Land Inventory Report No. 2. ARDA, Dept. of Forestry, Ottawa, Canada.

CODED VALUES

NAME OF CODELIST Soil Capability Classification for Agriculture. Canada Land Inventory Report No. 2.

SOURCE ARDA, Dept of Forestry, Ottawa, Canada

Hide Field AGRI_CAP1 ▲

FIELD AGRI_CAP2 ►

* WIDTH 4

* OUTPUT WIDTH 4

* DATA TYPE Character

FIELD DESCRIPTION

Agricultural capability for dryland agriculture using the 7 class Canada Land Inventory (CLI) system for the secondary soil. The seven capability classes which groups soils together have the same relative degree of limitation or hazard for agricultural use. The limitation becomes progressively greater from Class 1 to Class 7. Various kinds of limitations within soil capability classes are: D - Undesirable soil structure or permeability, E - Erosion, F - Low Fertility, I - Inundation, L - Coarse Wood Fragments, M - Moisture Limitation, N - Salinity, P - Stoniness, R - Consolidated Bedrock, T - Topography, W - Excess Water, X - Cumulative minor adverse characteristics.

DESCRIPTION SOURCE

Canada Land Inventory. 1965. Soil Capability Classification for Agriculture. Canada Land Inventory Report No. 2. ARDA, Dept. of Forestry, Ottawa, Canada.

CODED VALUES

NAME OF CODELIST Soil Capability Classification for Agriculture. Canada Land Inventory Report No. 2.

SOURCE ARDA, Dept of Forestry, Ottawa, Canada

Hide Field AGRI_CAP2 ▲

FIELD AGRI_CAP3 ►

* WIDTH 4

* OUTPUT WIDTH 4

* DATA TYPE Character

FIELD DESCRIPTION

Agricultural capability for dryland agriculture using the 7 class Canada Land Inventory (CLI) system for the tertiary soil. The seven capability classes which groups soils

together have the same relative degree of limitation or hazard for agricultural use. The limitation becomes progressively greater from Class 1 to Class 7. Various kinds of limitations within soil capability classes are: D - Undesirable soil structure or permeability, E - Erosion, F - Low Fertility, I - Inundation, L - Coarse Wood Fragments, M - Moisture Limitation, N - Salinity, P - Stoniness, R - Consolidated Bedrock, T - Topography, W - Excess Water, X - Cumulative minor adverse characteristics.

DESCRIPTION SOURCE

Canada Land Inventory. 1965. Soil Capability Classification for Agriculture. Canada Land Inventory Report No. 2. ARDA, Dept. of Forestry, Ottawa, Canada.

CODED VALUES

NAME OF CODELIST Soil Capability Classification for Agriculture. Canada Land Inventory Report No. 2.

SOURCE ARDA, Dept of Forestry, Ottawa, Canada

Hide Field AGRI_CAP3 ▲

FIELD SOIL_FACT1 ►

* **WIDTH** 3

* **OUTPUT WIDTH** 3

* **DATA TYPE** Character

FIELD DESCRIPTION

Soil property classes for Irrigation Suitability Classification System for the primary soil and modifier combination contained in the soil map database. The degree of limitation is categorized in four classes: 1 - None, 2 - Slight, 3 - Moderate, 4 - Severe, '-' - No Rating, O - Organics. Limitations within the four class soil property classification are: d - Structure, g - Geological Unconformity, h - Hydraulic Conductivity, m- Available Water Holding Capacity, n - Sodidity, q - Intake Rate, r - Depth to Bedrock, s - Salinity, w - Drainage, x - Drainability.

DESCRIPTION SOURCE

Irrigation Suitability Classification Working Group. 1987. An Irrigation Suitability Classification System for the Canadian Prairies. LRRC Contribution No. 87-83, Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

CODED VALUES

NAME OF CODELIST An Irrigation Suitability Classification System for the Canadian Prairies.

SOURCE Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

Hide Field SOIL_FACT1 ▲

FIELD LANDSCAPE1 ►

* **WIDTH** 4

* **OUTPUT WIDTH** 4

* **DATA TYPE** Character

FIELD DESCRIPTION

Landscape Feature Classes for the Irrigation Suitability Classification System for the primary soil and modifier combination contained in the soil map database. The degree of limitation is categorized into four classes: A - None, B- Slight, C - Moderate, D - Severe, '-' - No Rating. Limitations within the four class soil property classification are: e - Local relief, i - Inundation, p - Stoniness, t - Topography.

DESCRIPTION SOURCE

Irrigation Suitability Classification Working Group. 1987. An Irrigation Suitability Classification System for the Canadian Prairies. LRRC Contribution No. 87-83, Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

CODED VALUES

NAME OF CODELIST An Irrigation Suitability Classification System for the Canadian Prairies.

SOURCE Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

Hide Field LANDSCAPE1 ▲

FIELD IRRIG_CLA1 ►

* **WIDTH** 7

* **OUTPUT WIDTH** 7

* **DATA TYPE** Character

FIELD DESCRIPTION

Irrigation Suitability Class representing the primary soil and modifier combination contained in the soil map database. Combination of soil_fact1 and landscape1 codes for classification matrix.

DESCRIPTION SOURCE

Irrigation Suitability Classification Working Group. 1987. An Irrigation Suitability Classification System for the Canadian Prairies. LRRC Contribution No. 87-83, Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

CODED VALUES

NAME OF CODELIST An Irrigation Suitability Classification System for the Canadian Prairies.

SOURCE Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

Hide Field IRRIG_CLA1 ▲

FIELD GEN_RATIN1 ►

* **WIDTH** 9

* **OUTPUT WIDTH** 9

* **DATA TYPE** Character

FIELD DESCRIPTION

Irrigation Suitability Rating representing the primary soil and modifier combination contained in the soil map database. Most limiting combination of irrig_cla1 in one of 16 classes.

DESCRIPTION SOURCE

Irrigation Suitability Classification Working Group. 1987. An Irrigation Suitability Classification System for the Canadian Prairies. LRRC Contribution No. 87-83, Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

LIST OF VALUES

VALUE Excellent

DESCRIPTION Excellent irrigation rating

VALUE Good

DESCRIPTION Good irrigation rating

VALUE Fair

DESCRIPTION Fair irrigation rating

VALUE Poor

DESCRIPTION Poor irrigation rating

VALUE Organic

DESCRIPTION Organic soil

VALUE -

DESCRIPTION No rating

Hide Field GEN_RATIN1 ▲

FIELD POT_IMPAC1 ►

* WIDTH 8

* OUTPUT WIDTH 8

* DATA TYPE Character

FIELD DESCRIPTION

Potential Environmental Impact representing the primary soil and modifier combination in the soil map database. The rating recognizes soil and/or landscape conditions which under irrigation could impact on the irrigated area.

DESCRIPTION SOURCE

Irrigation Suitability Classification Working Group. 1987. An Irrigation Suitability Classification System for the Canadian Prairies. LRRRC Contribution No. 87-83, Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

LIST OF VALUES

VALUE None

DESCRIPTION No potential environmental impact

VALUE Low

DESCRIPTION Low potential environmental impact

VALUE Moderate

DESCRIPTION Moderate potential environmental impact

VALUE High

DESCRIPTION High potential environmental impact

VALUE Organic

DESCRIPTION Organic soil

VALUE -

DESCRIPTION No rating

Hide Field POT_IMPAC1 ▲

FIELD SOIL_FACT2 ►

* WIDTH 3

* OUTPUT WIDTH 3

* DATA TYPE Character

DESCRIPTION SOURCE

Irrigation Suitability Classification Working Group. 1987. An Irrigation Suitability Classification System for the Canadian Prairies. LRRC Contribution No. 87-83, Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

FIELD DESCRIPTION

Soil property classes for Irrigation Suitability Classification System for the secondary soil and modifier combination contained in the soil map database. The degree of limitation is categorized in four classes: 1 - None, 2 - Slight, 3 - Moderate, 4 - Severe, '-' - No Rating, O - Organics. Limitations within the four class soil property classification are: d - Structure, g - Geological Unconformity, h - Hydraulic Conductivity, m- Available Water Holding Capacity, n - Sodicity, q - Intake Rate, r - Depth to Bedrock, s - Salinity, w - Drainage, x - Drainability.

CODED VALUES

NAME OF CODELIST An Irrigation Suitability Classification System for the Canadian Prairies.

SOURCE Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

Hide Field SOIL_FACT2 ▲

FIELD LANDSCAPE2 ►

* **WIDTH** 4

* **OUTPUT WIDTH** 4

* **DATA TYPE** Character

FIELD DESCRIPTION

Landscape Feature Classes for the Irrigation Suitability Classification System for the secondary soil and modifier combination contained in the soil map database. The degree of limitation is categorized into four classes: A - None, B- Slight, C - Moderate, D - Severe, '-' - No Rating. Limitations within the four class soil property classification are: e - Local relief, i - Inundation, p - Stoniness, t - Topography.

DESCRIPTION SOURCE

Irrigation Suitability Classification Working Group. 1987. An Irrigation Suitability Classification System for the Canadian Prairies. LRRC Contribution No. 87-83, Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

CODED VALUES

NAME OF CODELIST An Irrigation Suitability Classification System for the Canadian Prairies.

SOURCE Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

Hide Field LANDSCAPE2 ▲

FIELD IRRIG_CLA2 ►

- * **WIDTH** 7
- * **OUTPUT WIDTH** 7
- * **DATA TYPE** Character

FIELD DESCRIPTION

Irrigation Suitability Class representing the secondary soil and modifier combination contained in the soil map database. Combination of soil_fact2 and landscape2 codes for classification matrix.

DESCRIPTION SOURCE

Irrigation Suitability Classification Working Group. 1987. An Irrigation Suitability Classification System for the Canadian Prairies. LRRC Contribution No. 87-83, Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

CODED VALUES

NAME OF CODELIST An Irrigation Suitability Classification System for the Canadian Prairies.

SOURCE Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

Hide Field IRRIG_CLA2 ▲

FIELD GEN_RATIN2 ►

- * **WIDTH** 9
- * **OUTPUT WIDTH** 9
- * **DATA TYPE** Character

FIELD DESCRIPTION

Irrigation Suitability Rating representing the secondary soil and modifier combination contained in the soil map database. Most limiting combination of irrig_cla2 in one of 16 classes.

DESCRIPTION SOURCE

Irrigation Suitability Classification Working Group. 1987. An Irrigation Suitability Classification System for the Canadian Prairies. LRRRC Contribution No. 87-83, Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

LIST OF VALUES

VALUE Excellent

DESCRIPTION Excellent irrigation rating

VALUE Good

DESCRIPTION Good irrigation rating

VALUE Fair

DESCRIPTION Fair irrigation rating

VALUE Poor

DESCRIPTION Poor irrigation rating

VALUE Organic

DESCRIPTION Organic soil

VALUE -

DESCRIPTION No rating

Hide Field GEN_RATIN2 ▲

FIELD POT_IMPAC2 ►

* WIDTH 8

* OUTPUT WIDTH 8

* DATA TYPE Character

FIELD DESCRIPTION

Potential Environmental Impact representing the secondary soil and modifier combination in the soil map database. The rating recognizes soil and/or landscape conditions which under irrigation could impact on the irrigated area.

DESCRIPTION SOURCE

Irrigation Suitability Classification Working Group. 1987. An Irrigation Suitability Classification System for the Canadian Prairies. LRRC Contribution No. 87-83, Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

LIST OF VALUES

VALUE None

DESCRIPTION No potential environmental impact

VALUE Low

DESCRIPTION Low potential environmental impact

VALUE Moderate

DESCRIPTION Moderate potential environmental impact

VALUE High

DESCRIPTION High potential environmental impact

VALUE Organic

DESCRIPTION Organic soil

VALUE -

DESCRIPTION No rating

[Hide Field POT_IMPAC2 ▲](#)

FIELD **SOIL_FACT3** ►

* **WIDTH** 3

* **OUTPUT WIDTH** 3

* **DATA TYPE** Character

DESCRIPTION SOURCE

Irrigation Suitability Classification Working Group. 1987. An Irrigation Suitability Classification System for the Canadian Prairies. LRRRC Contribution No. 87-83, Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

FIELD DESCRIPTION

Soil property classes for Irrigation Suitability Classification System for the tertiary soil and modifier combination contained in the soil map database. The degree of limitation is categorized in four classes: 1 - None, 2 - Slight, 3 - Moderate, 4 - Severe, '-' - No Rating, O - Organics. Limitations within the four class soil property classification are: d - Structure, g - Geological Unconformity, h - Hydraulic Conductivity, m- Available Water Holding Capacity, n - Sodicity, q - Intake Rate, r - Depth to Bedrock, s - Salinity, w - Drainage, x - Drainability.

CODED VALUES

NAME OF CODELIST An Irrigation Suitability Classification System for the Canadian Prairies.

SOURCE Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

[Hide Field SOIL_FACT3 ▲](#)

FIELD **LANDSCAPE3** ►

* **WIDTH** 4

* **OUTPUT WIDTH** 4

* **DATA TYPE** Character

FIELD DESCRIPTION

Landscape Feature Classes for the Irrigation Suitability Classification System for the tertiary soil and modifier combination contained in the soil map database. The degree of limitation is categorized into four classes: A - None, B- Slight, C - Moderate, D - Severe, '-' - No Rating. Limitations within the four class soil property classification are: e - Local relief, i - Inundation, p - Stoniness, t - Topography.

DESCRIPTION SOURCE

Irrigation Suitability Classification Working Group. 1987. An Irrigation Suitability Classification System for the Canadian Prairies. LRRC Contribution No. 87-83, Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

CODED VALUES

NAME OF CODELIST An Irrigation Suitability Classification System for the Canadian Prairies.

SOURCE Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

Hide Field LANDSCAPE3 ▲

FIELD IRRIG_CLA3 ►

* **WIDTH** 7

* **OUTPUT WIDTH** 7

* **DATA TYPE** Character

FIELD DESCRIPTION

Irrigation Suitability Class representing the tertiary soil and modifier combination contained in the soil map database. Combination of soil_fact3 and landscape3 codes for classification matrix.

DESCRIPTION SOURCE

Irrigation Suitability Classification Working Group. 1987. An Irrigation Suitability Classification System for the Canadian Prairies. LRRC Contribution No. 87-83, Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

CODED VALUES

NAME OF CODELIST An Irrigation Suitability Classification System for the Canadian Prairies.

SOURCE Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

Hide Field IRRIG_CLA3 ▲

FIELD GEN_RATIN3 ►

* WIDTH 9

* OUTPUT WIDTH 9

* DATA TYPE Character

FIELD DESCRIPTION

Irrigation Suitability Rating representing the tertiary soil and modifier combination contained in the soil map database. Most limiting combination of irrig_cla3 in one of 16 classes.

DESCRIPTION SOURCE

Irrigation Suitability Classification Working Group. 1987. An Irrigation Suitability Classification System for the Canadian Prairies. LRRRC Contribution No. 87-83, Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

LIST OF VALUES

VALUE Excellent

DESCRIPTION Excellent irrigation rating

VALUE Good

DESCRIPTION Good irrigation rating

VALUE Fair

DESCRIPTION Fair irrigation rating

VALUE Poor

DESCRIPTION Poor irrigation rating

VALUE Organic

DESCRIPTION Organic soil

VALUE -

DESCRIPTION No rating

Hide Field GEN_RATIN3 ▲

FIELD POT_IMPAC3 ►

* WIDTH 8

* OUTPUT WIDTH 8

* DATA TYPE Character

FIELD DESCRIPTION

Potential Environmental Impact representing the tertiary soil and modifier combination in the soil map database. The rating recognizes soil and/or landscape conditions which under irrigation could impact on the irrigated area.

DESCRIPTION SOURCE

Irrigation Suitability Classification Working Group. 1987. An Irrigation Suitability Classification System for the Canadian Prairies. LRRC Contribution No. 87-83, Land Resource Research Centre, Research Branch, Agriculture Canada, Ottawa, Canada.

LIST OF VALUES

VALUE None

DESCRIPTION No potential environmental impact

VALUE Low

DESCRIPTION Low potential environmental impact

VALUE Moderate

DESCRIPTION Moderate potential environmental impact

VALUE High

DESCRIPTION High potential environmental impact

VALUE Organic

DESCRIPTION Organic soil

VALUE -

DESCRIPTION No rating

Hide Field POT_IMPAC3 ▲

FIELD DRAINAGE1 ►

* WIDTH 2

* OUTPUT WIDTH 2

* DATA TYPE Character

FIELD DESCRIPTION

Rating of moisture content in excess of field capacity and length of the saturation period within the plant root zone of the primary soil.

LIST OF VALUES

VALUE R

DESCRIPTION Rapid drainage

VALUE W

DESCRIPTION Well drained

VALUE I

DESCRIPTION Imperfect drainage

VALUE P

DESCRIPTION Poor drainage

VALUE VP

DESCRIPTION Very poor drainage

VALUE -

DESCRIPTION No rating

Hide Field DRAINAGE1 ▲

FIELD DRAINAGE2 ►

* WIDTH 2

* OUTPUT WIDTH 2

* DATA TYPE Character

FIELD DESCRIPTION

Rating of moisture content in excess of field capacity and length of the saturation period within the plant root zone of the secondary soil.

LIST OF VALUES

VALUE R

DESCRIPTION Rapid drainage

VALUE W

DESCRIPTION Well drained

VALUE I

DESCRIPTION Imperfect drainage

VALUE P

DESCRIPTION Poor drainage

VALUE VP

DESCRIPTION Very poor drainage

VALUE -

DESCRIPTION No rating

Hide Field DRAINAGE2 ▲

FIELD DRAINAGE3 ►

* WIDTH 2

* OUTPUT WIDTH 2

* DATA TYPE Character

FIELD DESCRIPTION

Rating of moisture content in excess of field capacity and length of the saturation period within the plant root zone of the tertiary soil.

LIST OF VALUES

VALUE R

DESCRIPTION Rapid drainage

VALUE W

DESCRIPTION Well drained

VALUE I

DESCRIPTION Imperfect drainage

VALUE P

DESCRIPTION Poor drainage

VALUE VP

DESCRIPTION Very poor drainage

VALUE -

DESCRIPTION No rating

Hide Field DRAINAGE3 ▲

FIELD SURFTEXT1 ►

* WIDTH 4

* OUTPUT WIDTH 4

* DATA TYPE Character

FIELD DESCRIPTION

Standard soil texture abbreviations for the primary soil. For agricultural soils, this is the modal texture of the Ap horizon (top 15cm). For native mineral soils, a value for the top 15cm is assumed.

LIST OF VALUES

VALUE C

DESCRIPTION Clay

VALUE C-CL

DESCRIPTION Clay-Clay loam

VALUE CL

DESCRIPTION Clay loam

VALUE CL-C

DESCRIPTION Clay loam-Clay

VALUE CL-L

DESCRIPTION Clay loam-Loam

VALUE CS

DESCRIPTION Coarse sand

VALUE F

DESCRIPTION Fibric (Organic)

VALUE FS

DESCRIPTION Fine sand

VALUE FSL

DESCRIPTION Fine sandy loam

VALUE GRLS

DESCRIPTION Gravelly loamy sand

VALUE GRSL

DESCRIPTION Gravelly sandy loam

VALUE H

DESCRIPTION Humic (Organic)

VALUE L

DESCRIPTION Loam

VALUE L-CL

DESCRIPTION Loam-Clay loam

VALUE LCS

DESCRIPTION Loamy coarse sand

VALUE LFS

DESCRIPTION Loamy fine sand

VALUE LS

DESCRIPTION Loamy sand

VALUE LVFS

DESCRIPTION Loamy very fine sand

VALUE M

DESCRIPTION Mesic (Organic)

VALUE O

DESCRIPTION Undifferentiated organic (Organic)

VALUE S

DESCRIPTION Sand

VALUE SCL

DESCRIPTION Sandy clay loam

VALUE SIC

DESCRIPTION Silty clay

VALUE SICL

DESCRIPTION Silty clay loam

VALUE SIL

DESCRIPTION Silty loam

VALUE SL

DESCRIPTION Sandy loam

VALUE SL-L

DESCRIPTION Sandy loam-Loam

VALUE VFS

DESCRIPTION Very fine sand

VALUE VFSL

DESCRIPTION Very fine sandy loam

Hide Field SURFTEXT1 ▲

FIELD SURFTEXT2 ►

* WIDTH 4

* OUTPUT WIDTH 4

* DATA TYPE Character

FIELD DESCRIPTION

Standard soil texture abbreviations for the secondary soil. For agricultural soils, this is the modal texture of the Ap horizon (top 15cm). For native mineral soils, a value for the top 15cm is assumed.

LIST OF VALUES

VALUE C

DESCRIPTION Clay

VALUE C-CL

DESCRIPTION Clay-Clay loam

VALUE CL

DESCRIPTION Clay loam

VALUE CL-C

DESCRIPTION Clay loam-Clay

VALUE CS

DESCRIPTION Coarse sand

VALUE CSL

DESCRIPTION Coarse sandy loam

VALUE F

DESCRIPTION Fibric (Organic)

VALUE FS

DESCRIPTION Fine sand

VALUE FSL

DESCRIPTION Fine sandy loam

VALUE GRLS

DESCRIPTION Gravelly loamy sand

VALUE GRSL

DESCRIPTION Gravelly sandy loam

VALUE L

DESCRIPTION Loam

VALUE L-CL

DESCRIPTION Loam-Clay loam

VALUE LCS

DESCRIPTION Loamy coarse sand

VALUE LFS

DESCRIPTION Loamy fine sand

VALUE LS

DESCRIPTION Loamy sand

VALUE LVFS

DESCRIPTION Loamy very fine sand

VALUE M

DESCRIPTION Mesic (Organic)

VALUE O

DESCRIPTION Undifferentiated organic (Organic)

VALUE S

DESCRIPTION Sand

VALUE SCL

DESCRIPTION Sandy clay loam

VALUE SIC

DESCRIPTION Silty clay

VALUE SICL

DESCRIPTION Silty clay loam

VALUE SIL

DESCRIPTION Silty loam

VALUE SL

DESCRIPTION Sandy loam

VALUE SL-L

DESCRIPTION Sandy loam-Loam

VALUE VFS

DESCRIPTION Very fine sand

VALUE VFSL

DESCRIPTION Very fine sandy loam

Hide Field SURFTEXT2 ▲

FIELD SURFTEXT3 ►

* WIDTH 4

* OUTPUT WIDTH 4

* DATA TYPE Character

FIELD DESCRIPTION

Standard soil texture abbreviations for the tertiary soil. For agricultural soils, this is the modal texture of the Ap horizon (top 15cm). For native mineral soils, a value for the top 15cm is assumed.

LIST OF VALUES

VALUE C

DESCRIPTION Clay

VALUE CL

DESCRIPTION Clay loam

VALUE CSL

DESCRIPTION Coarse sandy loam

VALUE F

DESCRIPTION Fibric (Organic)

VALUE FS

DESCRIPTION Fine sand

VALUE FSL

DESCRIPTION Fine sandy loam

VALUE GRLS

DESCRIPTION Gravelly loamy sand

VALUE GRSL

DESCRIPTION Gravelly sandy loam

VALUE L

DESCRIPTION Loam

VALUE L-CL

DESCRIPTION Loam-Clay loam

VALUE LFS

DESCRIPTION Loamy fine sand

VALUE LS

DESCRIPTION Loamy sand

VALUE LVFS

DESCRIPTION Loamy very fine sand

VALUE M

DESCRIPTION Mesic (Organic)

VALUE O

DESCRIPTION Undifferentiated organic (Organic)

VALUE SCL

DESCRIPTION Sandy clay loam

VALUE SIC

DESCRIPTION Silty clay

VALUE SICL

DESCRIPTION Silty clay loam

VALUE SIL

DESCRIPTION Silty loam

VALUE SL

DESCRIPTION Sandy loam

VALUE VFSL

DESCRIPTION Very fine sandy loam

Hide Field SURFTEXT3 ▲

FIELD SURFTEXTM1 ►

- * WIDTH 2
- * OUTPUT WIDTH 2
- * DATA TYPE Character

FIELD DESCRIPTION

Soil surface texture modifier of the primary soil code.

LIST OF VALUES

VALUE	GR
DESCRIPTION	Gravelly
VALUE	MU
DESCRIPTION	Mucky

Hide Field SURFTEXTM1 ▲

FIELD SURFTEXTM2 ►

- * WIDTH 2
- * OUTPUT WIDTH 2
- * DATA TYPE Character

FIELD DESCRIPTION

Soil surface texture modifier of the secondary soil code.

LIST OF VALUES

VALUE	MU
DESCRIPTION	Mucky

Hide Field SURFTEXTM2 ▲

FIELD SURFTEXTM3 ►

* WIDTH 2

* OUTPUT WIDTH 2

* DATA TYPE Character

FIELD DESCRIPTION

Soil surface texture modifier of the tertiary soil code.

LIST OF VALUES

VALUE MU

DESCRIPTION Mucky

Hide Field SURFTEXTM3 ▲

FIELD MANCON1 ►

* WIDTH 14

* OUTPUT WIDTH 14

* DATA TYPE Character

FIELD DESCRIPTION

Primary soil and primary landscape features.

LIST OF VALUES

VALUE ____B

DESCRIPTION Bedrock

VALUE __T

DESCRIPTION Topography (slopes > 5%)

VALUE __TB

DESCRIPTION Topography and bedrock

VALUE _W_B

DESCRIPTION Wetness and bedrock

VALUE _W

DESCRIPTION Wetness (poor and very poor drainage)

VALUE _WT

DESCRIPTION Wetness and topography

VALUE C_T

DESCRIPTION Coarse texture and topography

VALUE C

DESCRIPTION Coarse texture (loamy sands, sands and gravels)

VALUE CW

DESCRIPTION Coarse texture and wetness

VALUE CWT

DESCRIPTION Coarse texture, wetness and topography

VALUE F_T

DESCRIPTION Fine texture and topography

VALUE F

DESCRIPTION Fine texture (clays and silty clays)

VALUE FW

DESCRIPTION Fine texture and wetness

VALUE FWT

DESCRIPTION Fine texture, wetness and topography

VALUE No Constraints

DESCRIPTION No soil or landscape limitations

VALUE Eroded Slopes

VALUE Marsh

VALUE Water

VALUE Organic

DESCRIPTION Organic soil

VALUE Rock

VALUE Unclassified

Hide Field MANCON1 ▲

FIELD MANCON2 ►

* WIDTH 14

* OUTPUT WIDTH 14

* DATA TYPE Character

FIELD DESCRIPTION

Secondary soil and secondary landscape features.

LIST OF VALUES

VALUE ___B

DESCRIPTION Bedrock

VALUE __T

DESCRIPTION Topography (slopes > 5%)

VALUE __TB

DESCRIPTION Topography and bedrock

VALUE _W_B

DESCRIPTION Wetness and bedrock

VALUE _W

DESCRIPTION Wetness (poor and very poor drainage)

VALUE _WT

DESCRIPTION Wetness and topography

VALUE C_T

DESCRIPTION Coarse texture and topography

VALUE C

DESCRIPTION Coarse texture (loamy sands, sands and gravels)

VALUE CW

DESCRIPTION Coarse texture and wetness

VALUE F_T

DESCRIPTION Fine texture and wetness

VALUE F

DESCRIPTION Fine texture (clays and silty clays)

VALUE FW

DESCRIPTION Fine texture and wetness

VALUE No Constraints

DESCRIPTION No soil or landscape limitations

VALUE Eroded slopes

VALUE Marsh

VALUE Water

VALUE Organic

DESCRIPTION Organic soil

VALUE Rock

Hide Field MANCON2 ▲

FIELD MANCON3 ►

* WIDTH 14

* OUTPUT WIDTH 14

* DATA TYPE Character

FIELD DESCRIPTION

Tertiary soil and tertiary landscape features.

LIST OF VALUES

VALUE ____B

DESCRIPTION Bedrock

VALUE __T

DESCRIPTION Topography

VALUE __TB

DESCRIPTION Topography and bedrock

VALUE _W_B

DESCRIPTION Wetness and bedrock

VALUE _W

DESCRIPTION Wetness (poor and very poor drainage)

VALUE _WT

DESCRIPTION Wetness and topography

VALUE C_T

DESCRIPTION Coarse texture and topography

VALUE C

DESCRIPTION Coarse texture (loamy sands, sands and gravels)

VALUE CW

DESCRIPTION Coarse texture and wetness

VALUE No Constraints

DESCRIPTION No soil or landscape limitations

VALUE Marsh

VALUE Water

VALUE Organic

DESCRIPTION Organic soil

VALUE Rock

Hide Field MANCON3 ▲

Hide Details for object sm04_mb.pat ▲

Hide Fields ▲

Metadata Details ►

* METADATA LANGUAGE English (CANADA)

* METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset

SCOPE NAME * dataset

* LAST UPDATE 2013-03-19

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

METADATA STYLE FGDC CSDGM Metadata

CREATED IN ARCGIS FOR THE ITEM 2012-12-20 12:37:18

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AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

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