Agricultural Interpretations Database Description

Date of last update: 31-Mar-2003

Field	Field Name	Type	Width	Dec	Index
1	AREA	Numeric	18	5	N
2	PERIMETER	Numeric	18	5	N
3	SOIL_	Numeric	11		N
4	SOIL_ID	Numeric	11		N
5	TAGID	Character	20		N
6	RM	Character	25		N
7	PROJECT_NU	Character	3		N
8	PROJECT_NA	Character	40		N
9	SCALE	Character	11		N
10	VERSN_DATE	Character	10		N
11	MAPUNITNOM	Character	60		N
12	SOIL_CODE1	Character	3		N
13	MODIFIER1	Character	3		N
14	CLASS1	Character	4		N
15	EXTENT1	Numeric	3		N
16	SOIL_CODE2	Character	3		N
17	MODIFIER2	Character	3		N
18	CLASS2	Character	4		N
19	EXTENT2	Numeric	2		N
20	SOIL_CODE3	Character	3		N
21	MODIFIER3	Character	3		N
22	CLASS3	Character	4		N
23	EXTENT3	Numeric	2		N
24	SLOPEP1	Numeric	5	1	N
25	SLOPEP2	Numeric	5	1	N
26	SLOPEP3	Numeric	5	1	N
27	STONE1	Character	1		N

		r			
28	STONE2	Characte r	1		N
29	STONE3	Characte r	1		N
30	EROSION1	Characte r	1		N
31	EROSION2	Characte r	1		N
32	EROSION3	Characte r	1		N
33	SALINITY1	Characte r	1		N
34	SALINITY2	Characte r	1		N
35	SALINITY3	Characte r	1		N
36	SLOPE_LEN1	Characte r	1		N
37	SLOPE_LEN2	Characte r	1		N
38	SLOPE_LEN3	Characte r	1		N
39	LS_MEAN1	Numeric	12	5	N
40	LS_MEAN2	Numeric	12	5	N
41	LS_MEAN3	Numeric	12	5	N
42	C_ERPOLY	Numeric	3		N
43	C_AGRI	Numeric	3		N
44	C_SLOPE	Numeric	3		N
45	C_GEN	Numeric	3		N
46	C_POT	Numeric	3		N
47	C_DRAIN	Numeric	3		N
48	C_MAN	Numeric	3		N
49	C_SALT	Numeric	3		N
50	C_SOIL	Numeric	3		N
51	C_SURFTEXT	Numeric	3		N
52	ERCLS1	Characte r	1		N
53	ERCLS2	Characte r	1		N
54	ERCLS3	Characte r	1		N
55	ERPOLY	Characte r	1		N
56	ERSYMBOL	Characte r	8		N
57	AGRI_CAP1	Characte	4		N

		r		
58	AGRI_CAP2	Character	4	N
59	AGRI_CAP3	Character	4	N
60	SOIL_FACT1	Character	3	N
61	LANDSCAPE1	Character	4	N
62	IRRIG_CLA1	Character	7	N
63	GEN_RATIN1	Character	9	N
64	POT_IMPAC1	Character	8	N
65	SOIL_FACT2	Character	3	N
66	LANDSCAPE2	Character	4	N
67	IRRIG_CLA2	Character	7	N
68	GEN_RATIN2	Character	9	N
69	POT_IMPAC2	Character	8	N
70	SOIL_FACT3	Character	3	N
71	LANDSCAPE3	Character	4	N
72	IRRIG_CLA3	Character	7	N
73	GEN_RATIN3	Character	9	N
74	POT_IMPAC3	Character	8	N
75	DRAINAGE1	Character	2	N
76	DRAINAGE2	Character	2	N
77	DRAINAGE3	Character	2	N
78	SURFTEXT1	Character	4	N
79	SURFTEXT2	Character	4	N
80	SURFTEXT3	Character	4	N

81	SURFTEXTM1	Character	2	N
82	SURFTEXTM2	Character	2	N
83	SURFTEXTM3	Character	2	N
84	MANCON1	Character	14	N
85	MANCON2	Character	14	N
86	MANCON3	Character	14	N
** Total **			541	

Database Content Description

AREA Area of feature in internal units squared.

PERIMETER Perimeter of feature in internal units.

SOIL_ Internal feature number.

SOIL_ID User-defined feature number.

TAGID System Attribute for storing polygon identifier.

RM Rural Municipality.

PROJECT_NU Soil Survey Report Number.

PROJECT_NA Project Name.

SCALE There are two basic types of soils surveys:
Detailed: based on a large number of soil observations
Scales: 1:20 000, 1:40 000, 1:50 000, 1:63 360
Reconnaissance: based on fewer soil observations
Scales: 1:100 000, 1:125 000, 1:126 720

VERSN_DATE Version date.

MAPUNITNOM Soil Map Unit Symbol as shown on the original paper map.

SOIL_CODE Three character code for the soil name.
SOIL_CODE1 Must not be blank, values assigned by correlator
SOIL_CODE2 Use blank if EXTENT1 = 100
SOIL_CODE3 Use blank if EXTENT1 + EXTENT2 = 100

MODIFIER Three character code to show soil variations. The modifier applies to the soil name and the soil code. This field may be blank. Modifiers may be used in various combinations, as required. Common single modifiers are:

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
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

Modifier codes are left justified, except for erosion phase variants (to avoid confusion with numeric soil series variants).

CLASS Field for storing EROSION, SLOPE, STONINESS and SALINITY codes. Used with SOIL_CODE and MODIFIER to create unique soil map units

CLASS1 Must not be blank, defaults to xxxx
CLASS2 Use blank if SOIL_CODE2 is blank
CLASS3 Use blank if SOIL_CODE3 is blank

EXTENT Percent of the map unit occupied by a specific soil.
Allowable Extent Value

EXTENT1	34 TO 100	
EXTENT2	0 TO 50	0 if SOIL_CODE2 is blank
EXTENT3	0 TO 33	0 if SOIL_CODE3 is blank

SLOPEP Slope steepness in percent

SLOPEP1 0 to 150 % if SOIL_CODE1 is mineral.
SLOPEP2 0 to 150 % or -9.
SLOPEP3 0 to 150 % or -9.
- 9 if SOIL_CODE is nonsoil or unclassified

STONE Stoniness Class

- Not Applicable	
0 Nonstony	0 < .01% of surface covered
1 Slightly stony	.01 - .1%
2 Moderately stony	.1 - 3 %
3 Very stony	3 - 15%
4 Exceedingly stony	15 - 50%
5 Excessively stony	> 50% of surface coved by stones

EROSION Apparent Erosion Class

- Not Applicable
1 Slightly eroded
2 Moderately eroded
3 Severely Eroded
o Overblown

SALINITY Salinity Class

x Non Saline	0 - 4 mS/cm
s Weakly Saline	4 - 8 mS/cm
t Moderately Saline	8 - 15 mS/cm
u Strongly Saline	> 15 mS/cm

SLOPE_LEN1 Slope Length Class code associated with the first soil listed in the Soil Map database. Dominant slope length within the polygon measured from the crest to the base of the slope.

1 - < 50 m
2 - 50 - 200 m
3 - 200 - 400 m
4 - 400 - 800 m
5- 800 - 1600 m
6 - > 1600 m

SLOPE_LEN2 Slope Length Class code associated with the second soil listed in the Soil Map database. Dominant slope length within the polygon measured from the crest to the base of the slope.

1 - < 50 m
2 - 50 - 200 m
3 - 200 - 400 m
4 - 400 - 800 m
5 - 800 - 1600 m
6 - > 1600 m

SLOPE_LEN3 Slope Length Class code associated with the third soil listed in the Soil Map database. Dominant slope length within the polygon measured from the crest to the base of the slope.

1 - < 50 m
2 - 50 - 200 m
3 - 200 - 400 m
4 - 400 - 800 m
5 - 800 - 1600 m
6 - > 1600 m

LS_MEAN1 Slope and Steepness Factor associated with the first soil in the Soil Map Database. Calculated slope length and slope steepness value used by Universal Soil Loss Equation.

LS_MEAN2 Slope and Steepness Factor associated with the second soil in the Soil Map

Database. Calculated slope length and slope steepness value used by Universal Soil Loss Equation.

LS_MEAN3 Slope and Steepness Factor associated with the third soil in the Soil Map Database. Calculated slope length and slope steepness value used by Universal Soil Loss Equation.

C_ERPOLY Classification field for Water Erosion Risk Class categorized by summarizing the estimated soil loss on bare unprotected soil using all soil components in the map polygon.

21 - Negligible
22 - Low
23 - Moderate
24 - High
25 - Severe
6 - Water
16 - Urban, modified or unclassified

C_AGRI Classification field summarizing the field **AGRI_CAP1** (Agriculture Capability for Dryland Agriculture) representing the dominant soil and phase condition in the map polygon.

21 - Agricultural Capability class "1"
22 - Agricultural Capability class "2"
23 - Agricultural Capability class "3"
24 - Agricultural Capability class "4"
25 - Agricultural Capability class "5"
26 - Agricultural Capability class "6"
27 - Agricultural Capability class "7"
28 - Agricultural Capability class "O" organic soils
6 - Water
16 - Urban, modified or unclassified

C_SLOPE Classification field summarizing slope steepness based on the dominant slope gradient of map polygon.

21 - slope 0 - 2.0%
22 - slope 2.0 - 5.0 %
23 - slope 5.0 - 9.0 %
24 - slope 9.0 - 15.0 %
25 - slope 15.0 - 30.0 %
26 - slope > 30 %
26 - Soil_code1 = Eroded slopes (soil code $ER)
6 - Water
16 - Urban, modified or unclassified

C_GEN Classification field summarizing **GEN_RATIN1** (Irrigation Suitability Rating) representing the dominant soil and phase condition in the map polygon.

21 - Excellent
22 – Good
23 - Fair
24 - Poor
25 - Organic
6 - Water
16 - Urban, modified or unclassified

C_POT Classification field summarizing **POT_IMPAC1** (Potential Environmental Impact) representing the dominant soil and phase condition in the map polygon.

21 - None
22 - Low
23 - Medium
24 - High
6 - Water
16 - Urban, modified or unclassified

C_DRAIN Classification field for summarizing the **DRAINAGE1** field representing the dominant soil and phase condition in the map polygon.

21 - Very Rapid
22 - Rapid
23 - Well
25 - Imperfect
26 - Poor
29 - Poor (Improved)
27 - Very Poor
28 - Rock
6 - Water
13 - Marsh
16 - Urban, modified or unclassified

C_MAN Classification field for summarizing the **MANCON1** (Management Considerations) field representing the dominant soil and phase condition in the map polygon.

20 - No Constraints
21 - C
22 - Rock
24 - T
24 - Soil_code1 is eroded slope ($ER) - T
24 - CWT
24 - FWT
30 - B
30 - W B
30 - TB
31 - W
31 - WT

33 - F
35 - CW
35 - CT
40 - FW
45 - Organic
49 - FT
6 - Water
13 - Soil_code1 is marsh ($MH)
16 - Urban, modified or unclassified

C_SALT Classification field for summarizing soil map database salinity. Indicates the presence and severity of salinity in the polygon independent of whether it is with **SOIL_CODE1**, **SOIL_CODE2** or **SOIL_CODE3**

21 - salinity class ‘x’ (< 4 dS/m.)
22 - salinity class ‘s’ (4-8 dS/m.)
23 - salinity class ‘t’ (8 - 15 dS/m.)
24 - salinity class ‘u’ (>15 dS/m.)
6 - Water
7 - Soil_code1 is eroded slopes ($ER)
13 - Soil_code1 is marsh ($MH)
16 - Urban, modified or unclassified

C_SOIL Classification field for summarizing Soil Association organized by Order, Mode of Deposition, Sub Group, Texture, Drainage, Chemical Composition, and Climatic Zone.

2 - Urban, modified, or unclassified
6 - Water
16 - Salt Flats
18 - Sand and Gravel
19 - Eroded Slopes
20 - Sand and Gravel (Gleysols)
21 - Sandy Lacustrine
22 - Variable Textured Alluvium (Regosols)
25 - Permafrost, Mineral
26 - Sandy Eolian
27 - Loamy Till with water worked surfaces
28 - Loamy Till (Black Chernozem)
29 - Loamy Till (Gleysols)
30 - Sandy Loam Lacustrine
31 - Loamy Lacustrine
32 - Strongly Acidic Clay Till
33 - Clayey Lacustrine (Black Chernozems)
34 - Sandy Lacustrine (Gleysols)
35 - Shallow Organic Fen Peat
36 - Deep Organic Fen Peat
37 - Sandy Loam Lacustrine (Gleysols)
38 - Loam Lacustrine (Gleysols)

40 - Clayey Lacustrine (Gleysols)
42 - Clay over Shale Bedrock
44 - Permafrost, Organic
48 - Loamy Till (Dark Gray Chernozem)
49 - Marsh

50 - Highly Calcareous Loamy Till (Brunisols and Dark Gray Chernozem)
51 - Loamy Till (Luvisols)
52 - Highly Calcareous Loamy Till (Black Chernozem)
53 - Acidic, Coarse Loamy Till
54 - Weakly Calcareous Sandy Loam Till
55 - Weakly Calcareous Sandy Loam Till (Gleysols)
56 - Extremely Calcareous Loamy Till (Brunisols and Dark Gray Chernozem)
57 - Extremely Calcareous Loamy Till (Black Chernozem)
60 - Variable Textured Alluvium (Gleysols)
62 - Highly Calcareous Loamy Till (Gelysols)
63 - Clayey Lacustrine (Gleysols)
64 - Clayey Lacustrine (Luvisols and Dark Gray Chernozems)
68 - Shallow Organic Forest Peat
69 - Deep Organic Forest or Sphagnum Peat
71 - Precambrian Bedrock
72 - Sand and Gravel with Overlays
73 - Limestone Bedrock
74 - Sand and Gravel with Overlays (Gleysols)
79 - Shale Bedrock

C_SURFTEXT Classification field for summarizing **SURFTEXT1** (surface texture) representing the dominant soil series of the map polygon. See **SURFTEXT1** field for description of code

CLAYEY
- 21 - C
- 21 - SIC
- 21 - SC
- 21 - C-CL

FINE LOAMY
- 22 - CL
- 22 - SICL
- 22 - SiCL
- 22 - SCL
- 22 - CL-L
- 22 - CL-C
- 22 - L-CL
- 22 - L

COARSE LOAMY
- 23 - VFSL
- 23 - SL-L
- 23 - SIL
- 23 - FSL
- 23 - VFS
- 23 - LVFS

23 - SL

SAND

24 - S-SL
24 - LFS
24 - LS
24 - FS
24 - CSL

COARSE SANDS

25 - CS
25 - S
25 - MS
25 - GRLS
25 - GRSL
25 - LCS
25 - CB

ORGANIC

26 - M
26 - O
26 - H
26 - F

ERCLS1 Field containing Water Erosion Risk Class. Calculation of estimated soil loss on bare unprotected soil implementing the Universal Soil Loss Equation (USLE) upon **SOIL_CODE1** in the map polygon measured in tonnes/hectare/year.

N - Negligible (< 6 t/h/y)
L - Low (6 - 11 t/h/y)
M - Moderate (11 - 22 t/h/y)
H - High (22 - 33 t/h/y)
S - Severe (> 33 t/h/y)

ERCLS2 Field containing Water Erosion Risk Class. Calculation of estimated soil loss on bare unprotected soil implementing the Universal Soil Loss Equation (USLE) upon **SOIL_CODE2** in the map polygon measured in tonnes/hectare/year.

N - Negligible (< 6 t/h/y)
L - Low (6 - 11 t/h/y)
M - Moderate (11 - 22 t/h/y)
H - High (22 - 33 t/h/y)
S - Severe (> 33 t/h/y)

ERCLS3 Field containing Water Erosion Risk Class. Calculation of estimated soil loss on bare unprotected soil implementing the Universal Soil Loss Equation (USLE) upon **SOIL_CODE3** in the map polygon measured in tonnes/hectare/year.

N - Negligible (< 6 t/h/y)
L - Low (6 - 11 t/h/y)

M - Moderate (11 - 22 t/h/y)
H - High (22 - 33 t/h/y)
S - Severe (> 33 t/h/y)

ERPOLY Field containing calculation obtained from summing **ERCLS1**, **ERCLS2**, **ERCLS3**. Summary calculation of estimated soil loss on bare unprotected soil implementing the Universal Soil Loss Equation (USLE) in the map polygon measured in tonnes/hectare/year

N - Negligible (< 6 t/h/y)
L - Low (6 - 11 t/h/y)
M - Moderate (11 - 22 t/h/y)
H - High (22 - 33 t/h/y)
S - Severe (> 33 t/h/y)

ERSYMBOL Field containing Water Erosion Risk Symbol. Weighted average compilation of ERCLS1,2,3 and the area covered by the soils associated with those calculations. Used to create map symbol for polygon.

AGRI_CAP1 Agriculture Capability for Dryland Agriculture utilizing the seven class Canada Land Inventory system (CLI) for the first soil and phase combination contained in the soil map database. 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 Class1 to Class 7. Various kinds of limitations within soil capability classes are:

C - Climate
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

AGRI_CAP2 Agriculture Capability for Dryland Agriculture utilizing the seven class Canada Land Inventory system (CLI) for the second soil and modifier combination contained in the soil map database. Same subclass limitations as **AGRI_CAP1**

AGRI_CAP3 Agriculture Capability for Dryland Agriculture utilizing the seven class Canada Land Inventory system (CLI) for the third soil and modifier combination contained in the soil map database. Same subclass limitations

as **AGRI_CAP1**.

SOIL_FACT1 Soil Property Classes for Irrigation Suitability Classification System for the first soil and modifier combination contained in the soil map database. A complete Description of the rating guidelines are in "An Irrigation Suitability Classification System for the Prairie Provinces" (ISC,1987).

Limitations within the four class soil property classification are:

- d - Structure
- g - Geological Unconformity
- h - Depth to Water Table
- k - Hydraulic Conductivity
- m - Available Water holding Capacity
- n - Sodicity
- q - Intake Rate
- r - Depth to Bedrock
- s - Salinity
- w - Drainage
- x – Drainability

The degree of limitation is categorized into four classes:

- 1 - None
- 2 - Slight
- 3 - Moderate
- 4 - Severe

LANDSCAPE1 Landscape Feature Classes for Irrigation Suitability Classification System for the first soil and modifier combination contained in the soil map database. A complete Description of the rating guidelines are in "An Irrigation Suitability Classification System for the Prairie Provinces" (ISC,1987).

Limitations within the four class landscape feature classification are:

- e - Local Relief
- i - Inundation
- p - Stoniness
- t - Topography

The degree of limitation is categorized into four classes:

- A - None
- B - Slight
- C - Moderate
- D – Severe

IRRIG_CLA1 Irrigation Suitability Class representing the first soil and modifier combination contained in the soil map database. Combination of **SOIL_FACT1** and **LANDSCAPE1** codes for classification matrix. A

complete Description of the rating guidelines are in “An Irrigation Suitability Classification System for the Prairie Provinces” (ISC,1987).

GEN_RATIN1 Irrigation Suitability Rating representing the first soil and modifier combination contained in the soil map database. A complete Description of the rating guidelines are in “An Irrigation Suitability Classification System for the Prairie Provinces” (ISC,1987). Most Limiting combination of **IRRIG_CLA1** in one of 16 classes. These classes are grouped and described by four ratings of general suitability as:

- Excellent
- Good
- Fair
- Poor

POT_IMPAC1 Potential Environmental Impact representing the first soil and modifier combination in the soil map database. A complete Description of the rating guidelines are in “An Irrigation Suitability Classification System for the Prairie Provinces” (ISC,1987). The rating recognizes soil and/or landscape conditions which under irrigation could impact on the irrigated area. Relative guide using four general ratings of:

- None
- Low
- Medium
- High

SOIL_FACT2 Soil Property Classes for Irrigation Suitability Classification System for the second soil and modifier combination contained in the soil map database.

LANDSCAPE2 Landscape Feature Classes for Irrigation Suitability Classification System for the second soil and modifier combination contained in the soil map database.

IRRIG_CLA2 Irrigation Suitability Class representing the second soil and modifier combination contained in the soil map database. Combination of S**OIL_FACT2** and **LANDSCAPE2** codes for classification matrix.

GEN_RATIN2 Irrigation Suitability Rating representing the second soil and modifier combination contained in the soil map database.

POT_IMPAC2 Potential Environmental Impact representing the second soil and modifier combination in the soil map database.

SOIL_FACT3 Soil Property Classes for Irrigation Suitability Classification System for the third soil and modifier combination contained in the soil map database.

LANDSCAPE3 Landscape Feature Classes for Irrigation Suitability Classification System for the third soil and modifier combination contained in the soil map database.

IRRIG_CLA3 Irrigation Suitability Class representing the third soil and modifier combination contained in the soil map database. Combination of **SOIL_FACT3** and **LANDSCAPE3** codes for classification matrix.

GEN_RATIN3 Irrigation Suitability Rating representing the third soil and modifier combination contained in the soil map database.

POT_IMPAC3 Potential Environmental Impact representing the third soil and modifier combination in the soil map database.

DRAINAGE1 Drainage in soil reports is described on the basis of actual moisture content in excess of field capacity and length of the saturation period within the plant root zone. Drainage representing the first soil and modifier combination contained in the soil map database.

R - Rapid
W - Well
I - Imperfect
P - Poor
VP - Very Poor

DRAINAGE2 Drainage representing the second soil and modifier combination contained in the soil map database.

DRAINAGE3 Drainage representing the third soil and modifier combination contained in the soil map database.

SURFTEXT1 Surface Texture standard USDA soil texture abbreviations (SIL = silt loam, etc.). For agricultural soils, (LU = A), this is the modal texture of the Ap horizon (normally the top 15cm). For native mineral soils (LU = N), a value for a hypothetical 15cm Ap horizon is assumed. For organic soils, and peaty phases of mineral soils, SURFTEXT values are F (Fibric), M (Mesic), H (Humic), or O (Organic, undifferentiated). Field representing the first soil and modifier combination contained in the soil map database.

CLAYEY
C - Clay
SIC - Silty Clay
SC - Sandy Clay
C-CL - Clay to Clay Loam
FINE LOAMY
CL - Clay Loam
SiCL - Silty Clay Loam

SCL - Sandy Clay Loam
CL-L - Clay Loam to Loam
CL-C - Clay Loam to Clay
L-CL - Loam to Clay Loam
L - Loam

COARSE LOAMY
VFSL - Very Fine Sandy Loam
SL-L - Sandy Loam to Loam
SIL - Silt Loam
FSL - Fine Sandy Loam
VFS - Very Fine Sand
LVFS - Loamy Very Fine Sand
SL - Sandy Loam

SAND
S-SL - Sand to Sandy Loam
LFS - Loamy Fine Sand
LS - Loamy Sand
FS - Fine Sand
CSL - Coarse Sandy Loam

COARSE SANDS
CS - Coarse Sand
S - Sand
MS - Medium Sand
GRLS - Gravelly Loamy Sand
GRSL - Gravelly Sandy Loam
LCS - Loamy Coarse Sand
CB - Cobble Beach

ORGANIC
M - Mesic
O - Organic
H - Humic
F - Fibric

SURFTEXT2 Field representing the second soil and modifier combination contained in the soil map database.

SURFTEXT3 Field representing the third soil and modifier combination contained in the soil map database.

SURFTEXTM1 Surface Texture Modifier. This data field is typically blank. Field representing the first soil and modifier combination contained in the soil map database.

GR - Gravelly
VR - Very Gravelly
MU - Mucky
WY - Woody

SURFTEXTM2 Surface Texture Modifier. This data field is typically blank. Field representing the second soil and modifier combination contained in the soil map database.

SURFTEXTM3 Surface Texture Modifier. This data field is typically blank. Field representing the third soil and modifier combination contained in the soil map database.

MANCON1 Management Considerations portray the most common and wide spread combinations of soil and landscape attributes that should be considered for intended land use. Field representing the first soil and modifier combination contained in the soil map database.

- F - Fine Texture (clays and silty clays)
- FW - Fine Texture and Wetness
- FT - Fine Texture and Topography
- FWT - Fine Texture, Wetness and Topography
- C - Coarse Texture (loamy sands, sands and gravels)
- CW - Coarse Texture and Wetness
- CT - Coarse Texture and Topography
- CWT - Coarse Texture, Wetness and Topography
- T - Topography (slopes > 5.0%)
- TB - Topography and Bedrock
- B - Bedrock
- W - Wetness (poor and very poor drainage)
- WB - Wetness and Bedrock
- WT - Wetness and Topography

MANCON2 Field representing the second soil and modifier combination contained in the soil map database.

MANCON3 Field representing the third soil and modifier combination contained in the soil map database.