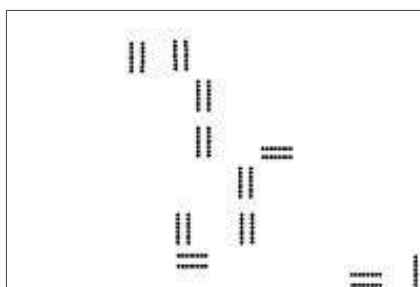


Field_Sites

dBASE Table



Tags

SMAPVEX12, field campaign

Summary

This shapefile was generated for use in field campaign planning, mapping and analysis associated with the SMAPVEX12 (Soil Moisture Active-Passive Validation Experiment 2012) project.

Description

This shapefile contains the point locations of sampling sites situated within the fields surveyed during the SMAPVEX12 field campaign between June 7 and July 19, 2012.

Credits

Grant Wiseman Agriculture and Agri-Food Canada – Agriculture et Agroalimentaire Canada
Telephone - Téléphone: 204-984-4080 Cellular - Cellulaire: 204-293-6074 Facsimile - Télécopieur: 204-983-2178 200-303 Main Street, Winnipeg, MB R3C 3G7 grant.wiseman@agr.gc.ca

Use limitations

All SMAPVEX12 data (except those already on public domain servers) will be placed on the University of Sherbrooke site. Access will be limited by password that will be provided to principle investigators and co-investigators listed below. It will be up to the principle investigators and co-investigators to ensure that staff, graduate students and post docs respect the terms of the agreement on usage and distribution. Access to the website will be restricted until July 1, 2013 for preliminary research and quality control. After July 1, 2013 all data will be transferred to a SMAP DAAC. Principle Investigators Heather McNairn, Agriculture and Agri-Food Canada Tom Jackson, USDA, ARS Hydrology and Remote Sensing Laboratory Co-Investigators Aaron Berg, University of Guelph Amine Merzouki, Agriculture and Agri-Food Canada Andreas Colliander, JPL Anne Walker, Environment Canada Brenda Toth, Environment Canada/MS/HAL Catherine Champagne, Agriculture and Agri-Food Canada Craig Smith, Environment Canada Dara Entekhabi, MIT Eni Njoku, JPL Grant Wiseman, Agriculture and Agri-Food Canada Jarrett Powers, Agriculture and Agri-Food Canada Jiali Shang, Agriculture and Agri-Food Canada John Fitzmaurice, Agriculture and Agri-Food Canada Mahta Moghaddam, University Southern California Mike Cosh, USDA, ARS Hydrology and Remote Sensing Laboratory Narendra Das, JPL Paul Bullock, University of Manitoba Peggy O'Neill, NASA GSFC Ramata Magagi, University of Sherbrooke Rotimi Ojo, University of Manitoba Sab Kim, JPL Stéphane Bélair, Environment Canada - NWP and Data Assimilation Alicia Joseph, NASA GSFC Erika Podest, JPL John Kimball, University of Montana Kalifa Goïta, University of Sherbrooke Marco Carrera, Environment Canada, Meteorological Research Division Steven Chan, JPL Vanessa Escobar, NASA GSFC

ArcGIS Metadata ►

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE environment, geoscientificInformation

* CONTENT TYPE Downloadable Data

[Hide Topics and Keywords ▲](#)

Citation ►

* TITLE Field_Sites

PRESENTATION FORMATS

FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

RESOURCE IDENTIFIER

VALUE Field_Sites

[Hide Citation ▲](#)

Resource Details ►

DATASET LANGUAGES * English (CANADA)

DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

SPATIAL REPRESENTATION TYPE * text table

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

CREDITS

Grant Wiseman
Agriculture and Agri-Food Canada – Agriculture et Agroalimentaire Canada
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200-303 Main Street, Winnipeg, MB R3C 3G7
grant.wiseman@agr.gc.ca

ARCGIS ITEM PROPERTIES

* NAME Field_Sites

* SIZE 0.267

* LOCATION file:///\\mbwinnfs106\gis\data8\projects\land\soil\SMAPVEX12\data\Geodatabase\DBFtables\Field_Sites.dbf

* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -98.375562

* EAST LONGITUDE -97.814228

* NORTH LATITUDE 49.864894

* SOUTH LATITUDE 49.489078

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 545220.000000
 * EAST LONGITUDE 585225.372700
 * SOUTH LATITUDE 5482492.003600
 * NORTH LATITUDE 5523799.000000
 * EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Points of Contact ►

POINT OF CONTACT

INDIVIDUAL'S NAME Grant Wiseman
 ORGANIZATION'S NAME Agriculture and Agri-Food Canada – Agriculture et Agroalimentaire Canada
 CONTACT'S POSITION Senior Geomatics Scientist - Scientifique principal en géomatique
 CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

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 FAX 204-983-2178

ADDRESS

TYPE both
 DELIVERY POINT 200-303 Main Street
 CITY Winnipeg
 ADMINISTRATIVE AREA Manitoba
 POSTAL CODE R3C 3G7
 COUNTRY Canada
 E-MAIL ADDRESS grant.wiseman@agr.gc.ca

[Hide Contact information ▲](#)

[Hide Resource Points of Contact ▲](#)

Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY as needed

[Hide Resource Maintenance ▲](#)

Resource Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

All SMAPVEX12 data (except those already on public domain servers) will be placed on the University of Sherbrooke site. Access will be limited by password that will be provided to principle investigators and co-investigators listed below. It will be up to the principle investigators and co-investigators to ensure that staff, graduate students and post docs respect the terms of the agreement on usage and distribution. Access to the website will be restricted until July 1, 2013 for preliminary research and quality control. After July 1, 2013 all data will be transferred to a SMAP DAAC.

Principle Investigators

Heather McNairn, Agriculture and Agri-Food Canada
 Tom Jackson, USDA, ARS Hydrology and Remote Sensing Laboratory

Co-Investigators

Aaron Berg, University of Guelph
 Amine Merzouki, Agriculture and Agri-Food Canada
 Andreas Colliander, JPL
 Anne Walker, Environment Canada
 Brenda Toth, Environment Canada/MS/ HAL
 Catherine Champagne, Agriculture and Agri-Food Canada
 Craig Smith, Environment Canada
 Dara Entekhabi, MIT
 Eni Njoku, JPL
 Grant Wiseman, Agriculture and Agri-Food Canada
 Jarrett Powers, Agriculture and Agri-Food Canada
 Jiali Shang, Agriculture and Agri-Food Canada
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 Mike Cosh, USDA, ARS Hydrology and Remote Sensing Laboratory
 Narendra Das, JPL
 Paul Bullock, University of Manitoba
 Peggy O'Neill, NASA GSFC
 Ramata Magagi, University of Sherbrooke
 Rotimi Ojo, University of Manitoba
 Sab Kim, JPL
 Stéphane Bélair, Environment Canada - NWP and Data Assimilation
 Alicia Joseph, NASA GSFC
 Erika Podest, JPL
 John Kimball, University of Montana
 Kalifa Goïta, University of Sherbrooke
 Marco Carrera, Environment Canada, Meteorological Research Division
 Steven Chan, JPL
 Vanessa Escobar, NASA GSFC

[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

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["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

* VALUE 26914
 * CODESPACE EPSG
 * VERSION 7.4.1

REFERENCE THAT DEFINES THE VALUE ►

RESOURCE IDENTIFIER

VALUE UTM NAD83 Zone 14N

[Hide Reference that defines the value ▲](#)

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►

* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME Field_Sites

* OBJECT TYPE point

* OBJECT COUNT 885

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

* FEATURE TYPE Simple

* GEOMETRY TYPE Point

* HAS TOPOLOGY FALSE

* FEATURE COUNT 885

* SPATIAL INDEX TRUE

* LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Data Quality ►

SCOPE OF QUALITY INFORMATION ►

RESOURCE LEVEL feature

[Hide Scope of quality information ▲](#)

[Hide Data Quality ▲](#)

Geoprocessing history ►

PROCESS

PROCESS NAME

DATE 2012-07-26 10:46:41

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CopyFeatures

COMMAND ISSUED

CopyFeatures W:\data8\projects\land\soil\SMAPVEX12
\data\SMAPVEX_Final\SMAPVEX_Points.shp W:\data8\projects\land\soil\SMAPVEX12
\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Points # 0 0 0

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-09-12 11:58:20

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField SMAPVEX_Points Crop_Type "Soybeans" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-09-12 11:58:51

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField SMAPVEX_Points Crop_Type "Soybeans" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-09-12 12:01:06

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField SMAPVEX_Points Crop_Type "Soybeans" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-09-12 12:01:45

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField SMAPVEX_Points Crop_Type "Soybeans" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-09-12 12:05:20

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField SMAPVEX_Points Crop_Type "Soybeans" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-09-12 12:05:50

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField SMAPVEX_Points Crop_Type "Soybeans" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-09-12 12:06:16

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField SMAPVEX_Points Crop_Type "Soybeans" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-09-12 12:07:18

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField SMAPVEX_Points Crop_Type "Soybeans" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-09-12 12:08:13

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField SMAPVEX_Points Crop_Type "Soybeans" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-09-12 12:08:36

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField SMAPVEX_Points Crop_Type "Soybeans" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-09-12 12:09:25

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField SMAPVEX_Points Crop_Type "Beans" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-09-13 07:50:24

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField SMAPVEX_Points Crop_Type "Soybeans" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-09-14 07:52:53

TOOL LOCATION C:\Program Files (x86)\ArcGIS\Desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField SMAPVEX_Points Site_ID [Point_ID] VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-09-14 08:42:38

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

COMMAND ISSUED

```
FeatureClassToFeatureClass W:\data8\projects\land\soil\SMAPVEX12
\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Points W:\data8
\projects\land\soil\SMAPVEX12\data\Kurt\SMAP_tables.gdb\SMAPdatasets
SMAPVEX_SITE_PTS # "FID_1 "FID_1" true true false 4 Long 0 0 ,First,#,W:\data8
\projects\land\soil\SMAPVEX12
\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Points,FID_1,-1,-1;x "x" true true false
8 Double 0 0 ,First,#,W:\data8\projects\land\soil\SMAPVEX12
\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Points,x,-1,-1;y "y" true true false 8
Double 0 0 ,First,#,W:\data8\projects\land\soil\SMAPVEX12
\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Points,y,-1,-1;Point_ID "Point_ID" true
true false 10 Text 0 0 ,First,#,W:\data8\projects\land\soil\SMAPVEX12
\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Points,Point_ID,-1,-1;QTRDESC "QTRDESC"
true true false 20 Text 0 0 ,First,#,W:\data8\projects\land\soil\SMAPVEX12
\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Points,QTRDESC,-1,-1;SURFTEXT1
"SURFTEXT1" true true false 4 Text 0 0 ,First,#,W:\data8
\projects\land\soil\SMAPVEX12
\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Points,SURFTEXT1,-1,-1;SURFTEXT2
"SURFTEXT2" true true false 4 Text 0 0 ,First,#,W:\data8
\projects\land\soil\SMAPVEX12
\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Points,SURFTEXT2,-1,-1;SURFTEXT3
"SURFTEXT3" true true false 4 Text 0 0 ,First,#,W:\data8
\projects\land\soil\SMAPVEX12
\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Points,SURFTEXT3,-1,-1;Crop_Type
"Crop_Type" true true false 20 Text 0 0 ,First,#,W:\data8
\projects\land\soil\SMAPVEX12
\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Points,Crop_Type,-1,-1;SM "SM" true true
false 8 Double 0 0 ,First,#,W:\data8\projects\land\soil\SMAPVEX12
\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Points,SM,-1,-1;SM_1 "SM_1" true true
false 8 Double 0 0 ,First,#,W:\data8\projects\land\soil\SMAPVEX12
\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Points,SM_1,-1,-1;diff "diff" true true
false 8 Double 0 0 ,First,#,W:\data8\projects\land\soil\SMAPVEX12
\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Points,diff,-1,-1;Notes "Notes" true true
false 50 Text 0 0 ,First,#,W:\data8\projects\land\soil\SMAPVEX12
\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Points,Notes,-1,-1;Site_ID "Site_ID" true
true false 255 Text 0 0 ,First,#,W:\data8\projects\land\soil\SMAPVEX12
\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Points,Site_ID,-1,-1" #
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INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-10-29 14:37:17

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.0\ArcToolbox\Toolboxes>Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Field_Sites Crop_Type "Soybeans" VB #
 INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

[Hide Geoprocessing history ▲](#)

Distribution ►

DISTRIBUTION FORMAT

* NAME dBASE Table
 VERSION ArcGIS 10

TRANSFER OPTIONS

* TRANSFER SIZE 0.267

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT [Field_Sites](#) ►

* TYPE Table
 * ROW COUNT 885

DEFINITION SOURCE

AAFC

DEFINITION

Point locations of sampling sites situated within the fields surveyed during the SMAPVEX12 field campaign.

FIELD [OID](#) ►

* ALIAS [OID](#)
 * 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 OID ▲](#)

FIELD [OBJECTID](#) ►

* ALIAS [OBJECTID](#)
 * DATA TYPE [Integer](#)
 * WIDTH 9
 * PRECISION 9
 * 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 QTRDESC ►

* ALIAS QTRDESC
 * DATA TYPE String
 * WIDTH 20
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Legal land description (Section-Township-Range).

DESCRIPTION SOURCE

AAFC

Hide Field QTRDESC ▲

FIELD SURFTEXT1 ►

* ALIAS SURFTEXT1
 * DATA TYPE String
 * WIDTH 4
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Dominant surface texture classification derived from the Manitoba Soil Survey.

DESCRIPTION SOURCE

AAFC

LIST OF VALUES

VALUE C
 DESCRIPTION Clay
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE CL
 DESCRIPTION Clay loam
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE FS
 DESCRIPTION Fine sand
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE FSL
 DESCRIPTION Fine sandy loam
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE L
 DESCRIPTION Loam
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE LFS
 DESCRIPTION Loamy fine sand
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE LVFS
 DESCRIPTION Loamy very fine sand

ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE M

ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE SIC

DESCRIPTION Silty clay

ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE SICL

DESCRIPTION Silty clay loam

ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE SIL

DESCRIPTION Silty loam

ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE VFSL

DESCRIPTION Very fine sandy loam

ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

Hide Field SURFTEXT1 ▲

FIELD SURFTEXT2 ►

* ALIAS SURFTEXT2

* DATA TYPE String

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Secondary surface texture classification derived from the Manitoba Soil Survey.

DESCRIPTION SOURCE

AAFC

LIST OF VALUES

VALUE C

DESCRIPTION Clay

ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE CL

DESCRIPTION Clay loam

ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE FS

DESCRIPTION Fine sand

ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE FSL

DESCRIPTION Fine sandy loam

ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE L

DESCRIPTION Loam

ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE LFS

DESCRIPTION Loamy fine sand
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE LVFS
 DESCRIPTION Loamy very fine sand
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE M
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE SIC
 DESCRIPTION Silty clay
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE SICL
 DESCRIPTION Silty clay loam
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE SIL
 DESCRIPTION Silty loam
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE VFSL
 DESCRIPTION Very fine sandy loam
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

Hide Field SURFTEXT2 ▲

FIELD SURFTEXT3 ►

* ALIAS SURFTEXT3
 * DATA TYPE String
 * WIDTH 4
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Tertiary surface texture classification derived from the Manitoba Soil Survey.

DESCRIPTION SOURCE
 AAFC

LIST OF VALUES

VALUE C
 DESCRIPTION Clay
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE CL
 DESCRIPTION Clay loam
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE FS
 DESCRIPTION Fine sand
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE FSL
 DESCRIPTION Fine sandy loam
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE L
 DESCRIPTION Loam
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE LFS
 DESCRIPTION Loamy fine sand
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE LVFS
 DESCRIPTION Loamy very fine sand
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE M
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE SIC
 DESCRIPTION Silty clay
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE SICL
 DESCRIPTION Silty clay loam
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE SIL
 DESCRIPTION Silty loam
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

VALUE FVSL
 DESCRIPTION Veryu fine sandy loam
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE AAFC

Hide Field SURFTEXT3 ▲

FIELD Crop_Type ►

* ALIAS Crop_Type
 * DATA TYPE String
 * WIDTH 20
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Crop type observed during the the survey period at the sample location.

DESCRIPTION SOURCE
 AAFC

Hide Field Crop_Type ▲

FIELD Site_ID ►

* ALIAS Site_ID
 * DATA TYPE String
 * WIDTH 254
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Duplicate sample site identification number.

DESCRIPTION SOURCE

AAFC

[Hide Field Site_ID ▲](#)[Hide Details for object Field_Sites ▲](#)[Hide Fields ▲](#)

Metadata Details ►

* METADATA LANGUAGE English (CANADA)
 METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format
 METADATA IDENTIFIER 76A3A373-8E59-44C6-BDA9-09444C7F12A5
 SCOPE OF THE DATA DESCRIBED BY THE METADATA * non-geographic dataset
 SCOPE NAME * dataset
 * LAST UPDATE 2013-01-10
 ARCGIS METADATA PROPERTIES
 METADATA FORMAT ArcGIS 1.0
 METADATA STYLE FGDC CSDGM Metadata
 STANDARD OR PROFILE USED TO EDIT METADATA NAP
 CREATED IN ARCGIS FOR THE ITEM 2012-12-13 10:33:00
 LAST MODIFIED IN ARCGIS FOR THE ITEM 2013-01-10 16:03:11
 AUTOMATIC UPDATES
 HAVE BEEN PERFORMED Yes
 LAST UPDATE 2013-01-10 16:03:11

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT
 INDIVIDUAL'S NAME Grant Wiseman
 ORGANIZATION'S NAME Agriculture and Agri-Food Canada – Agriculture et Agroalimentaire Canada
 CONTACT'S POSITION Senior Geomatics Scientist - Scientifique principal en géomatique
 CONTACT'S ROLE point of contact
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 FAX 204-983-2178
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 DELIVERY POINT 200-303 Main Street
 CITY Winnipeg
 ADMINISTRATIVE AREA Manitoba
 POSTAL CODE R3C 3G7
 COUNTRY Canada
 E-MAIL ADDRESS grant.wiseman@agr.gc.ca

[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)

Metadata Maintenance ►

MAINTENANCE

UPDATE FREQUENCY as needed

[Hide Metadata Maintenance ▲](#)

Thumbnail and Enclosures ►

THUMBNAIL

THUMBNAIL TYPE JPG

[Hide Thumbnail and Enclosures ▲](#)

FGDC Metadata (read-only) ►

Entities and Attributes ►

DETAILED DESCRIPTION

ENTITY TYPE

ENTITY TYPE LABEL Field_Sites

ENTITY TYPE DEFINITION

Point locations of sampling sites situated within the fields surveyed during the SMAPVEX12 field campaign.

ENTITY TYPE DEFINITION SOURCE AAFC

ATTRIBUTE

ATTRIBUTE LABEL OID

ATTRIBUTE DEFINITION

Internal feature number.

ATTRIBUTE DEFINITION SOURCE ESRI

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Sequential unique whole numbers that are automatically generated.

ATTRIBUTE

ATTRIBUTE LABEL OBJECTID

ATTRIBUTE DEFINITION

Internal feature number.

ATTRIBUTE DEFINITION SOURCE ESRI

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Sequential unique whole numbers that are automatically generated.

ATTRIBUTE

ATTRIBUTE LABEL QTRDESC

ATTRIBUTE DEFINITION

Legal land description (Section-Township-Range).

ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE

ATTRIBUTE LABEL SURFTEXT1

ATTRIBUTE DEFINITION

Dominant surface texture classification derived from the Manitoba Soil Survey.

ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE C

ENUMERATED DOMAIN VALUE DEFINITION

Clay

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE CL

ENUMERATED DOMAIN VALUE DEFINITION

Clay loam

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE FS

ENUMERATED DOMAIN VALUE DEFINITION

Fine sand

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE FSL

ENUMERATED DOMAIN VALUE DEFINITION

Fine sandy loam

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE L

ENUMERATED DOMAIN VALUE DEFINITION

Loam

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE LFS

ENUMERATED DOMAIN VALUE DEFINITION

Loamy fine sand

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE LVFS

ENUMERATED DOMAIN VALUE DEFINITION

Loamy very fine sand

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE M

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE SIC

ENUMERATED DOMAIN VALUE DEFINITION

Silty clay

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE SICL

ENUMERATED DOMAIN VALUE DEFINITION

Silty clay loam

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE SIL

ENUMERATED DOMAIN VALUE DEFINITION

Silty loam

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE VFSL

ENUMERATED DOMAIN VALUE DEFINITION

Very fine sandy loam

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

AAFC

ATTRIBUTE

ATTRIBUTE LABEL SURFTEXT2

ATTRIBUTE DEFINITION

Secondary surface texture classification derived from the Manitoba Soil Survey.

ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE C

ENUMERATED DOMAIN VALUE DEFINITION

Clay

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE CL

ENUMERATED DOMAIN VALUE DEFINITION

Clay loam

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE FS

ENUMERATED DOMAIN VALUE DEFINITION

Fine sand

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE FSL
 ENUMERATED DOMAIN VALUE DEFINITION
 Fine sandy loam
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN
 ENUMERATED DOMAIN VALUE L
 ENUMERATED DOMAIN VALUE DEFINITION
 Loam
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN
 ENUMERATED DOMAIN VALUE LFS
 ENUMERATED DOMAIN VALUE DEFINITION
 Loamy fine sand
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN
 ENUMERATED DOMAIN VALUE LVFS
 ENUMERATED DOMAIN VALUE DEFINITION
 Loamy very fine sand
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN
 ENUMERATED DOMAIN VALUE M
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN
 ENUMERATED DOMAIN VALUE SIC
 ENUMERATED DOMAIN VALUE DEFINITION
 Silty clay
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN
 ENUMERATED DOMAIN VALUE SICL
 ENUMERATED DOMAIN VALUE DEFINITION
 Silty clay loam
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN
 ENUMERATED DOMAIN VALUE SIL
 ENUMERATED DOMAIN VALUE DEFINITION
 Silty loam
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE
 AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN
 ENUMERATED DOMAIN VALUE VFSL
 ENUMERATED DOMAIN VALUE DEFINITION
 Very fine sandy loam
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE

AAFC

ATTRIBUTE

ATTRIBUTE LABEL SURFTEXT3

ATTRIBUTE DEFINITION

Tertiary surface texture classification derived from the Manitoba Soil Survey.

ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE C

ENUMERATED DOMAIN VALUE DEFINITION

Clay

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE CL

ENUMERATED DOMAIN VALUE DEFINITION

Clay loam

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE FS

ENUMERATED DOMAIN VALUE DEFINITION

Fine sand

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE FSL

ENUMERATED DOMAIN VALUE DEFINITION

Fine sandy loam

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE L

ENUMERATED DOMAIN VALUE DEFINITION

Loam

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE LFS

ENUMERATED DOMAIN VALUE DEFINITION

Loamy fine sand

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE LVFS

ENUMERATED DOMAIN VALUE DEFINITION

Loamy very fine sand

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

AAFC

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

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    ENUMERATED DOMAIN VALUE    M
    ENUMERATED DOMAIN VALUE DEFINITION SOURCE
    AAFC
  ATTRIBUTE DOMAIN VALUES
    ENUMERATED DOMAIN
      ENUMERATED DOMAIN VALUE    SIC
      ENUMERATED DOMAIN VALUE DEFINITION
      Silty clay
      ENUMERATED DOMAIN VALUE DEFINITION SOURCE
      AAFC
  ATTRIBUTE DOMAIN VALUES
    ENUMERATED DOMAIN
      ENUMERATED DOMAIN VALUE    SICL
      ENUMERATED DOMAIN VALUE DEFINITION
      Silty clay loam
      ENUMERATED DOMAIN VALUE DEFINITION SOURCE
      AAFC
  ATTRIBUTE DOMAIN VALUES
    ENUMERATED DOMAIN
      ENUMERATED DOMAIN VALUE    SIL
      ENUMERATED DOMAIN VALUE DEFINITION
      Silty loam
      ENUMERATED DOMAIN VALUE DEFINITION SOURCE
      AAFC
  ATTRIBUTE DOMAIN VALUES
    ENUMERATED DOMAIN
      ENUMERATED DOMAIN VALUE    FVSL
      ENUMERATED DOMAIN VALUE DEFINITION
      Veryu fine sandy loam
      ENUMERATED DOMAIN VALUE DEFINITION SOURCE
      AAFC

  ATTRIBUTE
    ATTRIBUTE LABEL    Crop_Type
    ATTRIBUTE DEFINITION
    Crop type observed during the the survey period at the sample location.
    ATTRIBUTE DEFINITION SOURCE    AAFC

  ATTRIBUTE
    ATTRIBUTE LABEL    Site_ID
    ATTRIBUTE DEFINITION
    Duplicate sample site identification number.
    ATTRIBUTE DEFINITION SOURCE    AAFC

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Hide Entities and Attributes ▲