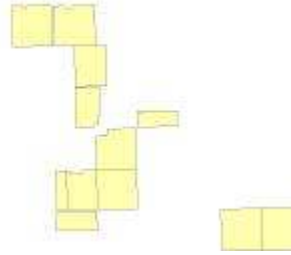


Fields

File Geodatabase Feature Class



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 location and areal extent of the fields surveyed during the SMAPVEX12 field campaign, carried out between June 7 and July 19, 2012.

Credits

Grant Wiseman Agriculture and Agri-Food Canada – Agriculture et Agroalimentaire Canada
Telephone - Téléphone: 204-259-4006 Cellular - Cellulaire: 204-293-6074 Facsimile -
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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 Fields

PRESENTATION FORMATS * digital map

RESOURCE IDENTIFIER
VALUE Fields

Hide Citation ▲

Resource Details ►

DATASET LANGUAGES * English (CANADA)

DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

SPATIAL REPRESENTATION TYPE * vector

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

CREDITS

Grant Wiseman

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ARCGIS ITEM PROPERTIES

* NAME Fields

* LOCATION

file:///\\mbwinfs106\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 -98.387985

* EAST LONGITUDE -97.812528

* NORTH LATITUDE 49.869884

* SOUTH LATITUDE 49.486907

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 544322.269900

* EAST LONGITUDE 585338.877000

* SOUTH LATITUDE 5482252.378400

* NORTH LATITUDE 5524346.353100

* 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 ►

PHONE

VOICE 204-259-4006

FAX 204-259-4055

ADDRESS

TYPE

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

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[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

* 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 Fields

* OBJECT TYPE composite

* OBJECT COUNT 65

Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES ►

* FEATURE TYPE Simple

* GEOMETRY TYPE Polygon

* HAS TOPOLOGY FALSE

* FEATURE COUNT 65

* SPATIAL INDEX TRUE

* LINEAR REFERENCING FALSE

Hide ArcGIS Feature Class Properties ▲

Hide Spatial Data Properties ▲

Data Quality ►

SCOPE OF QUALITY INFORMATION ►

RESOURCE LEVEL dataset

Hide Scope of quality information ▲

Hide Data Quality ▲

Geoprocessing history ►

PROCESS

PROCESS NAME

DATE 2012-07-04 09:19:53

TOOL LOCATION C:\Program Files (x86)\ArcGIS\ArcToolbox\Toolboxes\Data Management Tools.tbx>DeleteField

COMMAND ISSUED

DeleteField SMAPVEX_20120704 F2;Field SMAPVEX_20120704

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-07-04 09:20:23

TOOL LOCATION C:\Program Files (x86)\ArcGIS\ArcToolbox\Toolboxes\Data Management Tools.tbx>DeleteField

COMMAND ISSUED

DeleteField SMAPVEX_20120704 Crop SMAPVEX_20120704

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-07-26 10:46:36

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_Fields.shp
W:\data8\projects\land\soil\SMAPVEX12\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Fields # 0 0 0

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-10-25 14:07:06

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_Fields
W:\data8\projects\land\soil\SMAPVEX12\data\Kurt\SMAP_tables.gdb\SMAPdatasets
Fields # "FIELD_ID" "FIELD_ID" true true false 10 Text 0 0
,First,#,W:\data8\projects\land\soil\SMAPVEX12\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Fields,FIELD_ID,-1,-1;PROPERTY_O "PROPERTY_O" true true false 254 Text 0 0
,First,#,W:\data8\projects\land\soil\SMAPVEX12\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Fields,PROPERTY_O,-1,-1;QTRDESC "QTRDESC" true true false 50 Text 0 0
,First,#,W:\data8\projects\land\soil\SMAPVEX12\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Fields,QTRDESC,-1,-1;Priority "Priority" true true false 2 Short 0 0
,First,#,W:\data8\projects\land\soil\SMAPVEX12\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Fields,Priority,-1,-1;Team "Team" true true false 2 Short 0 0
,First,#,W:\data8\projects\land\soil\SMAPVEX12\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Fields,Team,-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_Fields,Crop_Type,-1,-1;Row_Dir "Row_Dir" true true false 20 Text 0 0
,First,#,W:\data8\projects\land\soil\SMAPVEX12\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Fields,Row_Dir,-1,-1;Access "Access" true true false 10 Text 0 0
,First,#,W:\data8\projects\land\soil\SMAPVEX12\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Fields,Access,-1,-1;Veg_Team "Veg_Team" true true false 2 Short 0 0
,First,#,W:\data8\projects\land\soil\SMAPVEX12\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Fields,Veg_Team,-1,-1;FID_1 "FID_1" true true false 2 Short 0 0
,First,#,W:\data8\projects\land\soil\SMAPVEX12\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Fields,FID_1,-1,-1;site "site" true true false 8 Double 0 0
,First,#,W:\data8\projects\land\soil\SMAPVEX12\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Fields,site,-1,-1;mean0706 "mean0706" true true false 8 Double 0 0
,First,#,W:\data8\projects\land\soil\SMAPVEX12\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Fields,mean0706,-1,-1;mean1206 "mean1206" true true false 8 Double 0 0
,First,#,W:\data8\projects\land\soil\SMAPVEX12\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Fields,mean1206,-1,-1;mean1506 "mean1506" true true false 8 Double 0 0
,First,#,W:\data8\projects\land\soil\SMAPVEX12\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Fields,mean1506,-1,-1;Logger "Logger" true true false 8 Double 0 0
,First,#,W:\data8\projects\land\soil\SMAPVEX12\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Fields,Logger,-1,-1;Shape_Length "Shape_Length" false true true 8 Double 0 0
,First,#,W:\data8\projects\land\soil\SMAPVEX12\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Fields,Shape_Length,-1,-1;Shape_Area "Shape_Area" false true true 8 Double 0 0
,First,#,W:\data8\projects\land\soil\SMAPVEX12\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Fields,Shape_Area,-1,-1;Acres "Acres" true true false 8 Double 0 0
,First,#,W:\data8\projects\land\soil\SMAPVEX12\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Fields,Acres,-1,-1;Hectares "Hectares" true true false 8 Double 0 0
,First,#,W:\data8\projects\land\soil\SMAPVEX12\data\SMAPmaster.mdb\SMAPdata\SMAPVEX_Fields,Hectares,-1,-1" #

```

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-11-05 08:44:40

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

COMMAND ISSUED

CalculateField Fields Crop_Type "Forested" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-11-05 08:45:32

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

COMMAND ISSUED

CalculateField Fields FID_1 "F1" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-11-05 08:45:46

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

COMMAND ISSUED

CalculateField Fields FID_1 "1" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-11-05 08:46:02

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

COMMAND ISSUED

CalculateField Fields FID_1 "4" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-11-05 08:46:17

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

COMMAND ISSUED

CalculateField Fields FID_1 "3" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-11-05 08:46:33

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

COMMAND ISSUED

CalculateField Fields FID_1 "2" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-11-05 08:47:11

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

COMMAND ISSUED

CalculateField Fields FID_1 "5" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-11-05 08:47:37

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

COMMAND ISSUED

CalculateField Fields Row_Dir "N\A" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-11-05 08:47:45

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

COMMAND ISSUED

CalculateField Fields Access "N\A" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-12-05 16:32:25

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

COMMAND ISSUED

CalculateField Fields Crop_Type "Pasture" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

Hide Geoprocessing history ▲

Distribution ►

DISTRIBUTION FORMAT

* NAME File Geodatabase Feature Class

VERSION ArcGIS 10

Hide Distribution ▲

Fields ►

DETAILS FOR OBJECT **Fields** ►

* TYPE Feature Class

* ROW COUNT 65

DEFINITION

Location and areal extent of the fields surveyed during the SMAPVEX12 field campaign.

DEFINITION SOURCE

AAFC

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 FIELD_ID ►

* ALIAS FIELD_ID

* DATA TYPE String

* WIDTH 10

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Field identification number.

DESCRIPTION SOURCE

AAFC

Hide Field FIELD_ID ▲

FIELD QTRDESC ►

* ALIAS QTRDESC

* DATA TYPE String

* WIDTH 50

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Legal land description (Section-Township-Range)

DESCRIPTION SOURCE

AAFC

Hide Field QTRDESC ▲

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 Acres ►

* ALIAS Acres

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Field area in acres.

DESCRIPTION SOURCE

AAFC

Hide Field Acres ▲

FIELD Hectares ►

* ALIAS Hectares

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Field area in hectares.

DESCRIPTION SOURCE

AAFC

Hide Field Hectares ▲

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 ▲](#)

[Hide Details for object Fields ▲](#)

[Hide Fields ▲](#)

Metadata Details ►

* METADATA LANGUAGE English (CANADA)

METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

METADATA IDENTIFIER 15AF43B0-1389-4129-8371-45DCDD17C8F2

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

STANDARD OR PROFILE USED TO EDIT METADATA FGDC

METADATA STYLE FGDC CSDGM Metadata

CREATED IN ARCGIS FOR THE ITEM 2012-12-20 12:37:11

LAST MODIFIED IN ARCGIS FOR THE ITEM 2013-03-19 10:39:06

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2013-03-19 10:39:06