

ISO 19131 – Agri-Environmental Indicator (AEI) – Agri-Environmental Indicators – Data Product Specification

Revision: B

Data specification: Agri-Environmental Indicator (AEI) – Agri-Environmental Indicators

- Table of Contents -

1.	OVERVIEW	5
1.1.	Informal description	5
1.2.	Data product specification metadata	5
1.3.	Terms and definitions	5
1.4.	Abbreviations.....	6
2.	SPECIFICATION SCOPE	6
3.	DATA PRODUCT IDENTIFICATION.....	7
3.1.	Data Series Identification.....	7
3.2.	Data product identification.....	8
3.2.1.	AEI – Proportion of Ag Land	8
3.2.2.	AEI - Risk of Water Contamination by Pesticides (IROWC-Pest).....	9
4.	DATA CONTENT AND STRUCTURE	11
4.1.	Feature-based application schema.....	11
4.2.	Feature catalogue – Agri-Environmental Indicator (AEI) – Agri-Environmental Indicators	18
4.2.1.	Feature attributes	18
4.2.1.1.	Fundamental Drainage Area Identifier	18
4.2.1.2.	Proportion of Ag Land - Percent.....	18
4.2.1.3.	PAL Classification - English	19
4.2.1.4.	PAL Classification - French.....	19
4.2.1.5.	Proportion of Ag Land - Total Hectares	20
4.2.1.6.	Pesticide Concentration in Surface Runoff 1981	20
4.2.1.7.	Pesticide Concentration Greater than .5 Micrograms per litre 1981	20
4.2.1.8.	Estimated Mass of Pesticide Transported 1981	21
4.2.1.9.	Estimated days of Pesticide Surface Runoff 1981	21
4.2.1.10.	Contamination Risk by Pesticide 1981 Classification.....	22
4.2.1.11.	Contamination Risk by Pesticide 1981 Classification - English	22
4.2.1.12.	Contamination Risk by Pesticide 1981 Classification - French	23
4.2.1.13.	Pesticide Concentration in Surface Runoff 1986.....	23
4.2.1.14.	Pesticide Concentration Greater than .5 Micrograms per litre 1986	24
4.2.1.15.	Estimated Mass of Pesticide Transported 1986	24
4.2.1.16.	Estimated days of Pesticide Surface Runoff 1986	25
4.2.1.17.	Contamination Risk by Pesticide 1986 Classification.....	25
4.2.1.18.	Contamination Risk by Pesticide 1986 Classification - English	26
4.2.1.19.	Contamination Risk by Pesticide 1986 Classification - French	26
4.2.1.20.	Pesticide Concentration in Surface Runoff 1991	26

4.2.1.21.	Pesticide Concentration Greater than .5 Micrograms per litre 1991	27
4.2.1.22.	Estimated Mass of Pesticide Transported 1991	27
4.2.1.23.	Estimated days of Pesticide Surface Runoff 1991	28
4.2.1.24.	Contamination Risk by Pesticide 1991 Classification.....	28
4.2.1.25.	Contamination Risk by Pesticide 1991 Classification - English	29
4.2.1.26.	Contamination Risk by Pesticide 1991 Classification - French	29
4.2.1.27.	Pesticide Concentration in Surface Runoff 1996.....	30
4.2.1.28.	Pesticide Concentration Greater than .5 Micrograms per litre 1996	30
4.2.1.29.	Estimated Mass of Pesticide Transported 1996	31
4.2.1.30.	Estimated days of Pesticide Surface Runoff 1996	31
4.2.1.31.	Contamination Risk by Pesticide 1996 Classification.....	31
4.2.1.32.	Contamination Risk by Pesticide 1996 Classification - English	32
4.2.1.33.	Contamination Risk by Pesticide 1996 Classification - French	32
4.2.1.34.	Pesticide Concentration in Surface Runoff 2001	33
4.2.1.35.	Pesticide Concentration Greater than .5 Micrograms per litre 2001	33
4.2.1.36.	Estimated Mass of Pesticide Transported 2001	34
4.2.1.37.	Estimated days of Pesticide Surface Runoff 2001	34
4.2.1.38.	Contamination Risk by Pesticide 2001 Classification.....	35
4.2.1.39.	Contamination Risk by Pesticide 2001 Classification - English	35
4.2.1.40.	Contamination Risk by Pesticide 2001 Classification - French	36
4.2.1.41.	Pesticide Concentration in Surface Runoff 2006.....	36
4.2.1.42.	Pesticide Concentration Greater than .5 Micrograms per litre 2006	37
4.2.1.43.	Estimated Mass of Pesticide Transported 2006	37
4.2.1.44.	Estimated days of Pesticide Surface Runoff 2006	38
4.2.1.45.	Contamination Risk by Pesticide 2006 Classification.....	38
4.2.1.46.	Contamination Risk by Pesticide 2006 Classification - English	39
4.2.1.47.	Contamination Risk by Pesticide 2006 Classification - French	39
4.2.1.48.	Pesticide Concentration in Surface Runoff 2011.....	39
4.2.1.49.	Pesticide Concentration Greater than .5 Micrograms per litre 2011	40
4.2.1.50.	Estimated Mass of Pesticide Transported 2011	40
4.2.1.51.	Estimated days of Pesticide Surface Runoff 2011	41
4.2.1.52.	Contamination Risk by Pesticide 2011 Classification.....	41
4.2.1.53.	Contamination Risk by Pesticide 2011 Classification - English	42
4.2.1.54.	Contamination Risk by Pesticide 2011 Classification - French	42
5.	REFERENCE SYSTEM.....	43
5.1.	Spatial reference system	43
5.2.	Temporal reference system.....	43
6.	DATA QUALITY	43
6.1.	Completeness	43
6.2.	Logical consistency	43

6.3.	Positional accuracy	43
6.4.	Temporal accuracy.....	43
6.5.	Thematic accuracy	43
6.6.	Lineage statement	43
7.	DATA CAPTURE	43
8.	DATA MAINTENANCE	44
9.	PORTRAYAL.....	44
10.	DATA PRODUCT DELIVERY.....	44
11.	METADATA	45

Data specification: Agri-Environmental Indicator (AEI) – Agri-Environmental Indicators

1. OVERVIEW

1.1. Informal description

In recent decades, agriculture in Canada has undergone significant changes in response to evolving market demands and new production technologies. A shift towards larger, more intensive operations has led to increased awareness by farmers, government and the public of the fundamental links that exist between agriculture and the environment.

Under its Sustainability Metrics Program, Agriculture and Agri-Food Canada has developed a set of science-based agri-environmental indicators that integrate information on soils, climate and topography with statistics on land use and crop and livestock management practices. The indicators provide valuable information on the overall environmental risks and conditions in agriculture and how these change over time.

The indicators measure the agriculture and agri-food sector's environmental performance for soil, water and air quality, farm land management and resource use efficiency in the food and beverage industries. Results from multiple agri-environmental indicators related to soil, water and air quality have been incorporated into agri-environmental performance indices to simplify the presentation of overall environmental performance.

1.2. Data product specification metadata

This section provides metadata about the creation of this data product specification.

Data product specification title:	Agri-Environmental Indicator (AEI) – Agri-Environmental Indicators
Data product specification reference date:	January 2, 2013
Data product specification responsible party:	Agriculture and Agri-Food Canada, Science and Technology Branch
Data product specification language:	English, French
Data product specification topic category:	Environment

1.3. Terms and definitions

Eilers, W.E., MacKay, R., Graham, L., Lefebvre, A. 2010. Environmental Sustainability of Canadian Agriculture: Agri-Environmental Indicator Report Series – Report #3. Agriculture and Agri-Food Canada, Ottawa.

- Feature attribute:
Characteristic of a feature
- Class:
Description of a set of objects that share the same attributes, operations, methods, relationships, and semantics [UML Semantics]
NOTE: A class does not always have an associated geometry (e.g. the metadata

- class).
- Feature:
Abstraction of real world phenomena
- Object:
Entity with a well-defined boundary and identity that encapsulates state and behavior [UML Semantics]
NOTE: An object is an instance of a class.
- Package:
Grouping of a set of classes, relationships, and even other packages with a view to organizing the model into more abstract structures

1.4. Abbreviations

AAFC	Agriculture and Agri-Food Canada
FDA	Fundamental Drainage Area
IROWC-Pest	Risk of Water Contamination by Pesticides
AEI	Agri-Environmental Indicator

2. SPECIFICATION SCOPE

This data specification has only one scope, the general scope.

NOTE: The term 'specification scope' originates from the International Standard ISO19131. 'Specification scope' does not express the purpose for the creation of a data specification or the potential use of data, but identifies partitions of the data specification where specific requirements apply.

3. DATA PRODUCT IDENTIFICATION

3.1. Data Series Identification

Title	Agri-Environmental Indicator (AEI) – Agri-Environmental Indicators
Alternate Title	
Abstract	<p>The Agri-Environmental Indicator (AEI) dataset series provides information that was created using indicators that assess the environmental impact of agricultural activities. These agri-environmental indicators integrate information on soils, climate and land surface features with statistics on land use and crop and livestock management practices. The datasets provide valuable, location-specific information on the overall environmental risks and conditions in agriculture across Canada and how these change over time.</p> <p>This dataset series collects AEI data that is related to geographic features and can be represented on a map. Other types of AEI data are not included.</p> <p>Water quality datasets:</p> <ul style="list-style-type: none"> • Pesticides
Purpose	The dataset series evaluates agri-environmental performance for producers, consumers and the international community and can be used to highlight areas where further efforts are required. It can also provide valuable information that decision makers can draw from when developing and evaluating agricultural policy.
Topic Category	Environment
Spatial Reference Type	Vector
Spatial Resolution	1:1,000,000

Geographic Description	Bounding coordinates for Soil Landscapes of Canada polygons: North Bounding Coordinate: 59.18 West Bounding Coordinate: -128.88 East Bounding Coordinate: -52.37 South Bounding Coordinate: 41.67 Bounding coordinates for Fundamental Drainage Areas of Canada polygons: West Bounding Coordinate: -152.81 East Bounding Coordinate: -52.63 North Bounding Coordinate: 83.11 South Bounding Coordinate: 40.37
Supplemental Information	
Constraints	Open Government Licence - Canada (http://open.canada.ca/en/open-government-licence-canada)
Keywords	Thesaurus: Government of Canada Core Subject Thesaurus (http://www.thesaurus.gc.ca/recherche-search/thes-eng.html) Date: February 1, 2000 Keywords: Environment, Earth sciences Thesaurus: Other Date: January 1, 2013 Keywords: Climate indicators
Scope identification	Series

3.2. Data product identification

3.2.1. AEI – Proportion of Ag Land

Title	Agri-Environmental Indicator (AEI) - Proportion of agricultural land as percentage of SLC polygon area (ENV_AEI_PROPORTION_AG_LAND)
Alternate Title	
Abstract	The proportion of agricultural land as percentage of Soil Landscape of Canada (SLC) polygon area data set depicts areas of greater than 2% of agriculture within agricultural extents of Canada.
Purpose	The dataset provides the proportions of agricultural land as a percentage of SLC polygon area for Canadian agricultural areas, which is useful for creating maps and analysis.
Topic Category	Environment
Spatial Reference Type	Vector

Spatial Resolution	1:1,000,000
Geographic Description	Bounding coordinates for Fundamental Drainage Areas of Canada polygons: West Bounding Coordinate: -139.01 East Bounding Coordinate: -52.72 North Bounding Coordinate: 62.55 South Bounding Coordinate: 41.93
Supplemental Information	
Constraints	Open Government Licence - Canada (http://open.canada.ca/en/open-government-licence-canada)
Keywords	Thesaurus: Government of Canada Core Subject Thesaurus (http://www.thesaurus.gc.ca/recherche-search/thes-eng.html) Date: February 1, 2000 Keywords: Environment, Earth sciences Thesaurus: Other January 1, 2013 Keywords: Climate indicators
Scope Identification	Dataset
Feature Attribute Names	Proportion of Ag Land - Percent, PAL Classification - English, PAL Classification - French, Proportion of Ag Land - Total Hectares

3.2.2. AEI - Risk of Water Contamination by Pesticides (IROWC-Pest)

Title	Agri-Environmental Indicator (AEI) - Risk of Water Contamination by Pesticides (IROWC-Pest) (ENV_AEI_WTR_CNTMN_PSTCD)
Alternate Title	
Abstract	The "Agri-Environmental Indicator (AEI) - Risk of Water Contamination by Pesticides (IROWC-Pest)" dataset estimates the level of risk of pesticides from agricultural sources contaminating the surface and ground waters of Soil Landscapes of Canada agricultural areas for census years from 1981 to 2011.
Purpose	The dataset provides the level of risk of water contamination by pesticides for Canadian agricultural lands, which is useful for creating maps and analysis.
Topic Category	Environment
Spatial Reference Type	Vector
Spatial Resolution	1:1,000,000
Geographic Description	Bounding coordinates for Soil Landscapes of Canada polygons: North Bounding Coordinate: 59.18

	<p>West Bounding Coordinate: -128.88 East Bounding Coordinate: -52.37 South Bounding Coordinate: 41.67</p>
Supplemental Information	
Constraints	<p>Open Government Licence - Canada (http://open.canada.ca/en/open-government-licence-canada)</p>
Keywords	<p>Thesaurus: Government of Canada Core Subject Thesaurus (http://www.thesaurus.gc.ca/recherche-search/thes-eng.html) Date: February 1, 2000 Keywords: Environment, Earth sciences</p> <p>Thesaurus: Other January 1, 2013 Keywords: Climate indicators</p>
Scope Identification	Dataset
Feature Attribute Names	<p>Pesticide Concentration in Surface Runoff 1986, Pesticide Concentration Greater than .5 Micrograms per litre 1986, Estimated Mass of Pesticide Transported 1986, Estimated days of Pesticide Surface Runoff 1986, Contamination Risk by Pesticide 1986 Classification, Contamination Risk by Pesticide 1986 Classification - English, Contamination Risk by Pesticide 1986 Classification - French, Pesticide Concentration in Surface Runoff 1986, Pesticide Concentration Greater than .5 Micrograms per litre 1986, Estimated Mass of Pesticide Transported 1986, Estimated days of Pesticide Surface Runoff 1986, Contamination Risk by Pesticide 1986 Classification, Contamination Risk by Pesticide 1986 Classification - English, Contamination Risk by Pesticide 1986 Classification - French, Pesticide Concentration in Surface Runoff 1991, Pesticide Concentration Greater than .5 Micrograms per litre 1991, Estimated Mass of Pesticide Transported 1991, Estimated days of Pesticide Surface Runoff 1991, Contamination Risk by Pesticide 1991 Classification, Contamination Risk by Pesticide 1991 Classification - English, Contamination Risk by Pesticide 1991 Classification - French, Pesticide Concentration in Surface Runoff 1996, Pesticide Concentration Greater than .5 Micrograms per litre 1996, Estimated Mass of Pesticide Transported 1996, Estimated days of Pesticide Surface Runoff 1996, Contamination Risk by Pesticide 1996 Classification, Contamination Risk by Pesticide 1996 Classification - English, Contamination Risk by</p>

	Pesticide 1996 Classification - French, Pesticide Concentration in Surface Runoff 2001, Pesticide Concentration Greater than .5 Micrograms per litre 2001, Estimated Mass of Pesticide Transported 2001, Estimated days of Pesticide Surface Runoff 2001, Contamination Risk by Pesticide 2001 Classification, Contamination Risk by Pesticide 2001 Classification - English, Contamination Risk by Pesticide 2001 Classification - French, Pesticide Concentration in Surface Runoff 2006, Pesticide Concentration Greater than .5 Micrograms per litre 2006, Estimated Mass of Pesticide Transported 2006, Estimated days of Pesticide Surface Runoff 2006, Contamination Risk by Pesticide 2006 Classification, Contamination Risk by Pesticide 2006 Classification - English, Contamination Risk by Pesticide 2006 Classification - French, Pesticide Concentration in Surface Runoff 2011, Pesticide Concentration Greater than .5 Micrograms per litre 2011, Estimated Mass of Pesticide Transported 2011, Estimated days of Pesticide Surface Runoff 2011, Contamination Risk by Pesticide 2011 Classification, Contamination Risk by Pesticide 2011 Classification - English, Contamination Risk by Pesticide 2011 Classification - French
--	---

4. DATA CONTENT AND STRUCTURE

4.1. Feature-based application schema

ArcGIS Workspace

«Polygon» ENV_AEI_SOIL_ERSN_WND	
«Field»	
+ RWNDE_1981_CLASS:	esriFieldTypeInteger
+ RWNDE_1981_CLASS_EN:	esriFieldTypeString
+ RWNDE_1981_CLASS_FR:	esriFieldTypeString
+ RWNDE_1981_VAL:	esriFieldTypeDouble
+ RWNDE_1986_CLASS:	esriFieldTypeInteger
+ RWNDE_1986_CLASS_EN:	esriFieldTypeString
+ RWNDE_1986_CLASS_FR:	esriFieldTypeString
+ RWNDE_1986_VAL:	esriFieldTypeDouble
+ RWNDE_1991_CLASS:	esriFieldTypeInteger
+ RWNDE_1991_CLASS_EN:	esriFieldTypeString
+ RWNDE_1991_CLASS_FR:	esriFieldTypeString
+ RWNDE_1991_VAL:	esriFieldTypeDouble
+ RWNDE_1996_CLASS:	esriFieldTypeInteger
+ RWNDE_1996_CLASS_EN:	esriFieldTypeString
+ RWNDE_1996_CLASS_FR:	esriFieldTypeString
+ RWNDE_1996_VAL:	esriFieldTypeDouble
+ RWNDE_2001_CLASS:	esriFieldTypeInteger
+ RWNDE_2001_CLASS_EN:	esriFieldTypeString
+ RWNDE_2001_CLASS_FR:	esriFieldTypeString
+ RWNDE_2001_VAL:	esriFieldTypeDouble
+ RWNDE_2006_CLASS:	esriFieldTypeInteger
+ RWNDE_2006_CLASS_EN:	esriFieldTypeString
+ RWNDE_2006_CLASS_FR:	esriFieldTypeString
+ RWNDE_2006_VAL:	esriFieldTypeDouble
+ RWNDE_2011_CLASS:	esriFieldTypeInteger
+ RWNDE_2011_CLASS_EN:	esriFieldTypeString
+ RWNDE_2011_CLASS_FR:	esriFieldTypeString
+ RWNDE_2011_VAL:	esriFieldTypeDouble
+ SOIL_LANDSCAPE_ID:	esriFieldTypeInteger

«Polygon» ENV_AEI_AIR_PM10	
«Field»	
+ PM10_1981_CLASS:	esriFieldTypeInteger
+ PM10_1981_CLASS_EN:	esriFieldTypeString
+ PM10_1981_CLASS_FR:	esriFieldTypeString
+ PM10_1981_VAL:	esriFieldTypeDouble
+ PM10_1986_CLASS:	esriFieldTypeInteger
+ PM10_1986_CLASS_EN:	esriFieldTypeString
+ PM10_1986_CLASS_FR:	esriFieldTypeString
+ PM10_1986_VAL:	esriFieldTypeDouble
+ PM10_1991_CLASS:	esriFieldTypeInteger
+ PM10_1991_CLASS_EN:	esriFieldTypeString
+ PM10_1991_CLASS_FR:	esriFieldTypeString
+ PM10_1991_VAL:	esriFieldTypeDouble
+ PM10_1996_CLASS:	esriFieldTypeInteger
+ PM10_1996_CLASS_EN:	esriFieldTypeString
+ PM10_1996_CLASS_FR:	esriFieldTypeString
+ PM10_1996_VAL:	esriFieldTypeDouble
+ PM10_2001_CLASS:	esriFieldTypeInteger
+ PM10_2001_CLASS_EN:	esriFieldTypeString
+ PM10_2001_CLASS_FR:	esriFieldTypeString
+ PM10_2001_VAL:	esriFieldTypeDouble
+ PM10_2006_CLASS:	esriFieldTypeInteger
+ PM10_2006_CLASS_EN:	esriFieldTypeString
+ PM10_2006_CLASS_FR:	esriFieldTypeString
+ PM10_2006_VAL:	esriFieldTypeDouble
+ PM10_2011_CLASS:	esriFieldTypeInteger
+ PM10_2011_CLASS_EN:	esriFieldTypeString
+ PM10_2011_CLASS_FR:	esriFieldTypeString
+ PM10_2011_VAL:	esriFieldTypeDouble
+ SOIL_LANDSCAPE_ID:	esriFieldTypeInteger

«Polygon» ENV_AEI_SOIL_ERSN_TILL	
«Field»	
+ RTILLE_1981_CLASS:	esriFieldTypeInteger
+ RTILLE_1981_CLASS_EN:	esriFieldTypeString
+ RTILLE_1981_CLASS_FR:	esriFieldTypeString
+ RTILLE_1981_VAL:	esriFieldTypeDouble
+ RTILLE_1986_CLASS:	esriFieldTypeInteger
+ RTILLE_1986_CLASS_EN:	esriFieldTypeString
+ RTILLE_1986_CLASS_FR:	esriFieldTypeString
+ RTILLE_1986_VAL:	esriFieldTypeDouble
+ RTILLE_1991_CLASS:	esriFieldTypeInteger
+ RTILLE_1991_CLASS_EN:	esriFieldTypeString
+ RTILLE_1991_CLASS_FR:	esriFieldTypeString
+ RTILLE_1991_VAL:	esriFieldTypeDouble
+ RTILLE_1996_CLASS:	esriFieldTypeInteger
+ RTILLE_1996_CLASS_EN:	esriFieldTypeString
+ RTILLE_1996_CLASS_FR:	esriFieldTypeString
+ RTILLE_1996_VAL:	esriFieldTypeDouble
+ RTILLE_2001_CLASS:	esriFieldTypeInteger
+ RTILLE_2001_CLASS_EN:	esriFieldTypeString
+ RTILLE_2001_CLASS_FR:	esriFieldTypeString
+ RTILLE_2001_VAL:	esriFieldTypeDouble
+ RTILLE_2006_CLASS:	esriFieldTypeInteger
+ RTILLE_2006_CLASS_EN:	esriFieldTypeString
+ RTILLE_2006_CLASS_FR:	esriFieldTypeString
+ RTILLE_2006_VAL:	esriFieldTypeDouble
+ RTILLE_2011_CLASS:	esriFieldTypeInteger
+ RTILLE_2011_CLASS_EN:	esriFieldTypeString
+ RTILLE_2011_CLASS_FR:	esriFieldTypeString
+ RTILLE_2011_VAL:	esriFieldTypeDouble
+ SOIL_LANDSCAPE_ID:	esriFieldTypeInteger

«Polygon» ENV_AEI_AIR_NH3_EMS	
«Field»	
+ NH3_1981_CLASS:	esriFieldTypeInteger
+ NH3_1981_CLASS_EN:	esriFieldTypeString
+ NH3_1981_CLASS_FR:	esriFieldTypeString
+ NH3_1981_VAL:	esriFieldTypeDouble
+ NH3_1986_CLASS:	esriFieldTypeInteger
+ NH3_1986_CLASS_EN:	esriFieldTypeString
+ NH3_1986_CLASS_FR:	esriFieldTypeString
+ NH3_1986_VAL:	esriFieldTypeDouble
+ NH3_1991_CLASS:	esriFieldTypeInteger
+ NH3_1991_CLASS_EN:	esriFieldTypeString
+ NH3_1991_CLASS_FR:	esriFieldTypeString
+ NH3_1991_VAL:	esriFieldTypeDouble
+ NH3_1996_CLASS:	esriFieldTypeInteger
+ NH3_1996_CLASS_EN:	esriFieldTypeString
+ NH3_1996_CLASS_FR:	esriFieldTypeString
+ NH3_1996_VAL:	esriFieldTypeDouble
+ NH3_2001_CLASS:	esriFieldTypeInteger
+ NH3_2001_CLASS_EN:	esriFieldTypeString
+ NH3_2001_CLASS_FR:	esriFieldTypeString
+ NH3_2001_VAL:	esriFieldTypeDouble
+ NH3_2006_CLASS:	esriFieldTypeInteger
+ NH3_2006_CLASS_EN:	esriFieldTypeString
+ NH3_2006_CLASS_FR:	esriFieldTypeString
+ NH3_2006_VAL:	esriFieldTypeDouble
+ NH3_2011_CLASS:	esriFieldTypeInteger
+ NH3_2011_CLASS_EN:	esriFieldTypeString
+ NH3_2011_CLASS_FR:	esriFieldTypeString
+ NH3_2011_VAL:	esriFieldTypeDouble
+ SOIL_LANDSCAPE_ID:	esriFieldTypeInteger

ArcGIS Workspace

«Polygon» ENV_AEI_WTR_CNTMN_N	
«Field»	
+ RWTR_N_1981_CLASS:	esriFieldTypeInteger
+ RWTR_N_1981_CLASS_EN:	esriFieldTypeString
+ RWTR_N_1981_CLASS_FR:	esriFieldTypeString
+ RWTR_N_1981_CONCVAL:	esriFieldTypeDouble
+ RWTR_N_1981_LOSTVAL:	esriFieldTypeDouble
+ RWTR_N_1986_CLASS:	esriFieldTypeInteger
+ RWTR_N_1986_CLASS_EN:	esriFieldTypeString
+ RWTR_N_1986_CLASS_FR:	esriFieldTypeString
+ RWTR_N_1986_CONCVAL:	esriFieldTypeDouble
+ RWTR_N_1986_LOSTVAL:	esriFieldTypeDouble
+ RWTR_N_1991_CLASS:	esriFieldTypeInteger
+ RWTR_N_1991_CLASS_EN:	esriFieldTypeString
+ RWTR_N_1991_CLASS_FR:	esriFieldTypeString
+ RWTR_N_1991_CONCVAL:	esriFieldTypeDouble
+ RWTR_N_1991_LOSTVAL:	esriFieldTypeDouble
+ RWTR_N_1996_CLASS:	esriFieldTypeInteger
+ RWTR_N_1996_CLASS_EN:	esriFieldTypeString
+ RWTR_N_1996_CLASS_FR:	esriFieldTypeString
+ RWTR_N_1996_CONCVAL:	esriFieldTypeDouble
+ RWTR_N_1996_LOSTVAL:	esriFieldTypeDouble
+ RWTR_N_2001_CLASS:	esriFieldTypeInteger
+ RWTR_N_2001_CLASS_EN:	esriFieldTypeString
+ RWTR_N_2001_CLASS_FR:	esriFieldTypeString
+ RWTR_N_2001_CONCVAL:	esriFieldTypeDouble
+ RWTR_N_2001_LOSTVAL:	esriFieldTypeDouble
+ RWTR_N_2006_CLASS:	esriFieldTypeInteger
+ RWTR_N_2006_CLASS_EN:	esriFieldTypeString
+ RWTR_N_2006_CLASS_FR:	esriFieldTypeString
+ RWTR_N_2006_CONCVAL:	esriFieldTypeDouble
+ RWTR_N_2006_LOSTVAL:	esriFieldTypeDouble
+ RWTR_N_2011_CLASS:	esriFieldTypeInteger
+ RWTR_N_2011_CLASS_EN:	esriFieldTypeString
+ RWTR_N_2011_CLASS_FR:	esriFieldTypeString
+ RWTR_N_2011_CONCVAL:	esriFieldTypeDouble
+ RWTR_N_2011_LOSTVAL:	esriFieldTypeDouble
+ SOIL_LANDSCAPE_ID:	esriFieldTypeInteger

«Polygon» ENV_AEI_WTR_CNTMN_PSTCD	
«Field»	
+ RWTR_PSTCD_1981_CC:	esriFieldTypeDouble
+ RWTR_PSTCD_1981_CLASS:	esriFieldTypeInteger
+ RWTR_PSTCD_1981_CLASS_EN:	esriFieldTypeString
+ RWTR_PSTCD_1981_CLASS_FR:	esriFieldTypeString
+ RWTR_PSTCD_1981_MAC:	esriFieldTypeDouble
+ RWTR_PSTCD_1981_MASS:	esriFieldTypeDouble
+ RWTR_PSTCD_1981_RNOFF_DYS:	esriFieldTypeDouble
+ RWTR_PSTCD_1986_CC:	esriFieldTypeDouble
+ RWTR_PSTCD_1986_CLASS:	esriFieldTypeInteger
+ RWTR_PSTCD_1986_CLASS_EN:	esriFieldTypeString
+ RWTR_PSTCD_1986_CLASS_FR:	esriFieldTypeString
+ RWTR_PSTCD_1986_MAC:	esriFieldTypeDouble
+ RWTR_PSTCD_1986_MASS:	esriFieldTypeDouble
+ RWTR_PSTCD_1986_RNOFF_DYS:	esriFieldTypeDouble
+ RWTR_PSTCD_1991_CC:	esriFieldTypeDouble
+ RWTR_PSTCD_1991_CLASS:	esriFieldTypeInteger
+ RWTR_PSTCD_1991_CLASS_EN:	esriFieldTypeString
+ RWTR_PSTCD_1991_CLASS_FR:	esriFieldTypeString
+ RWTR_PSTCD_1991_MAC:	esriFieldTypeDouble
+ RWTR_PSTCD_1991_MASS:	esriFieldTypeDouble
+ RWTR_PSTCD_1991_RNOFF_DYS:	esriFieldTypeDouble
+ RWTR_PSTCD_1996_CC:	esriFieldTypeDouble
+ RWTR_PSTCD_1996_CLASS:	esriFieldTypeInteger
+ RWTR_PSTCD_1996_CLASS_EN:	esriFieldTypeString
+ RWTR_PSTCD_1996_CLASS_FR:	esriFieldTypeString
+ RWTR_PSTCD_1996_MAC:	esriFieldTypeDouble
+ RWTR_PSTCD_1996_MASS:	esriFieldTypeDouble
+ RWTR_PSTCD_1996_RNOFF_DYS:	esriFieldTypeDouble
+ RWTR_PSTCD_2001_CC:	esriFieldTypeDouble
+ RWTR_PSTCD_2001_CLASS:	esriFieldTypeInteger
+ RWTR_PSTCD_2001_CLASS_EN:	esriFieldTypeString
+ RWTR_PSTCD_2001_CLASS_FR:	esriFieldTypeString
+ RWTR_PSTCD_2001_MAC:	esriFieldTypeDouble
+ RWTR_PSTCD_2001_MASS:	esriFieldTypeDouble
+ RWTR_PSTCD_2001_RNOFF_DYS:	esriFieldTypeDouble
+ RWTR_PSTCD_2006_CC:	esriFieldTypeDouble
+ RWTR_PSTCD_2006_CLASS:	esriFieldTypeInteger
+ RWTR_PSTCD_2006_CLASS_EN:	esriFieldTypeString
+ RWTR_PSTCD_2006_CLASS_FR:	esriFieldTypeString
+ RWTR_PSTCD_2006_MAC:	esriFieldTypeDouble
+ RWTR_PSTCD_2006_MASS:	esriFieldTypeDouble
+ RWTR_PSTCD_2006_RNOFF_DYS:	esriFieldTypeDouble
+ RWTR_PSTCD_2011_CC:	esriFieldTypeDouble
+ RWTR_PSTCD_2011_CLASS:	esriFieldTypeInteger
+ RWTR_PSTCD_2011_CLASS_EN:	esriFieldTypeString
+ RWTR_PSTCD_2011_CLASS_FR:	esriFieldTypeString
+ RWTR_PSTCD_2011_MAC:	esriFieldTypeDouble
+ RWTR_PSTCD_2011_MASS:	esriFieldTypeDouble
+ RWTR_PSTCD_2011_RNOFF_DYS:	esriFieldTypeDouble
+ SOIL_LANDSCAPE_ID:	esriFieldTypeInteger

«Polygon» ENV_AEI_WTR_CNTMN_P_RSK	
«Field»	
+ FDA:	esriFieldTypeString
+ RWTR_PRSK_1981_CLASS:	esriFieldTypeInteger
+ RWTR_PRSK_1981_CLASS_EN:	esriFieldTypeString
+ RWTR_PRSK_1981_CLASS_FR:	esriFieldTypeString
+ RWTR_PRSK_1981_VAL:	esriFieldTypeDouble
+ RWTR_PRSK_1986_CLASS:	esriFieldTypeInteger
+ RWTR_PRSK_1986_CLASS_EN:	esriFieldTypeString
+ RWTR_PRSK_1986_CLASS_FR:	esriFieldTypeString
+ RWTR_PRSK_1986_VAL:	esriFieldTypeDouble
+ RWTR_PRSK_1991_CLASS:	esriFieldTypeInteger
+ RWTR_PRSK_1991_CLASS_EN:	esriFieldTypeString
+ RWTR_PRSK_1991_CLASS_FR:	esriFieldTypeString
+ RWTR_PRSK_1991_VAL:	esriFieldTypeDouble
+ RWTR_PRSK_1996_CLASS:	esriFieldTypeInteger
+ RWTR_PRSK_1996_CLASS_EN:	esriFieldTypeString
+ RWTR_PRSK_1996_CLASS_FR:	esriFieldTypeString
+ RWTR_PRSK_1996_VAL:	esriFieldTypeDouble
+ RWTR_PRSK_2001_CLASS:	esriFieldTypeInteger
+ RWTR_PRSK_2001_CLASS_EN:	esriFieldTypeString
+ RWTR_PRSK_2001_CLASS_FR:	esriFieldTypeString
+ RWTR_PRSK_2001_VAL:	esriFieldTypeDouble
+ RWTR_PRSK_2006_CLASS:	esriFieldTypeInteger
+ RWTR_PRSK_2006_CLASS_EN:	esriFieldTypeString
+ RWTR_PRSK_2006_CLASS_FR:	esriFieldTypeString
+ RWTR_PRSK_2006_VAL:	esriFieldTypeDouble
+ RWTR_PRSK_2011_CLASS:	esriFieldTypeInteger
+ RWTR_PRSK_2011_CLASS_EN:	esriFieldTypeString
+ RWTR_PRSK_2011_CLASS_FR:	esriFieldTypeString
+ RWTR_PRSK_2011_VAL:	esriFieldTypeDouble

«Polygon» ENV_AEI_PROPORTION_AG_LAND	
«Field»	
+ PAL_AG_PERCENT:	esriFieldTypeDouble
+ PAL_CLASS_EN:	esriFieldTypeString
+ PAL_CLASS_FR:	esriFieldTypeString
+ PAL_TOTAL_HA_AREA:	esriFieldTypeDouble
+ SOIL_LANDSCAPE_ID:	esriFieldTypeInteger

ArcGIS Workspace	
<p>«Polygon» ENV_AEI_WTR_CNTMN_P_SRC</p>	<p>«Polygon» ENV_AEI_SOIL_ORGNIC_CHNG</p>
<p>«Field»</p> <ul style="list-style-type: none"> + RWTR_PSRC_1981_CLASS: esriFieldTypeInteger + RWTR_PSRC_1981_CLASS_EN: esriFieldTypeString + RWTR_PSRC_1981_CLASS_FR: esriFieldTypeString + RWTR_PSRC_1981_VAL: esriFieldTypeDouble + RWTR_PSRC_1986_CLASS: esriFieldTypeInteger + RWTR_PSRC_1986_CLASS_EN: esriFieldTypeString + RWTR_PSRC_1986_CLASS_FR: esriFieldTypeString + RWTR_PSRC_1986_VAL: esriFieldTypeDouble + RWTR_PSRC_1991_CLASS: esriFieldTypeInteger + RWTR_PSRC_1991_CLASS_EN: esriFieldTypeString + RWTR_PSRC_1991_CLASS_FR: esriFieldTypeString + RWTR_PSRC_1991_VAL: esriFieldTypeDouble + RWTR_PSRC_1996_CLASS: esriFieldTypeInteger + RWTR_PSRC_1996_CLASS_EN: esriFieldTypeString + RWTR_PSRC_1996_CLASS_FR: esriFieldTypeString + RWTR_PSRC_1996_VAL: esriFieldTypeDouble + RWTR_PSRC_2001_CLASS: esriFieldTypeInteger + RWTR_PSRC_2001_CLASS_EN: esriFieldTypeString + RWTR_PSRC_2001_CLASS_FR: esriFieldTypeString + RWTR_PSRC_2001_VAL: esriFieldTypeDouble + RWTR_PSRC_2006_CLASS: esriFieldTypeInteger + RWTR_PSRC_2006_CLASS_EN: esriFieldTypeString + RWTR_PSRC_2006_CLASS_FR: esriFieldTypeString + RWTR_PSRC_2006_VAL: esriFieldTypeDouble + RWTR_PSRC_2011_CLASS: esriFieldTypeInteger + RWTR_PSRC_2011_CLASS_EN: esriFieldTypeString + RWTR_PSRC_2011_CLASS_FR: esriFieldTypeString + RWTR_PSRC_2011_VAL: esriFieldTypeDouble + SOIL_LANDSCAPE_ID: esriFieldTypeInteger 	<p>«Field»</p> <ul style="list-style-type: none"> + ORGNIC_CHNG_1981_CLASS: esriFieldTypeInteger + ORGNIC_CHNG_1981_CLASS_EN: esriFieldTypeString + ORGNIC_CHNG_1981_CLASS_FR: esriFieldTypeString + ORGNIC_CHNG_1981_VAL: esriFieldTypeDouble + ORGNIC_CHNG_1986_CLASS: esriFieldTypeInteger + ORGNIC_CHNG_1986_CLASS_EN: esriFieldTypeString + ORGNIC_CHNG_1986_CLASS_FR: esriFieldTypeString + ORGNIC_CHNG_1986_VAL: esriFieldTypeDouble + ORGNIC_CHNG_1991_CLASS: esriFieldTypeInteger + ORGNIC_CHNG_1991_CLASS_EN: esriFieldTypeString + ORGNIC_CHNG_1991_CLASS_FR: esriFieldTypeString + ORGNIC_CHNG_1991_VAL: esriFieldTypeDouble + ORGNIC_CHNG_1996_CLASS: esriFieldTypeInteger + ORGNIC_CHNG_1996_CLASS_EN: esriFieldTypeString + ORGNIC_CHNG_1996_CLASS_FR: esriFieldTypeString + ORGNIC_CHNG_1996_VAL: esriFieldTypeDouble + ORGNIC_CHNG_2001_CLASS: esriFieldTypeInteger + ORGNIC_CHNG_2001_CLASS_EN: esriFieldTypeString + ORGNIC_CHNG_2001_CLASS_FR: esriFieldTypeString + ORGNIC_CHNG_2001_VAL: esriFieldTypeDouble + ORGNIC_CHNG_2006_CLASS: esriFieldTypeInteger + ORGNIC_CHNG_2006_CLASS_EN: esriFieldTypeString + ORGNIC_CHNG_2006_CLASS_FR: esriFieldTypeString + ORGNIC_CHNG_2006_VAL: esriFieldTypeDouble + ORGNIC_CHNG_2011_CLASS: esriFieldTypeInteger + ORGNIC_CHNG_2011_CLASS_EN: esriFieldTypeString + ORGNIC_CHNG_2011_CLASS_FR: esriFieldTypeString + ORGNIC_CHNG_2011_VAL: esriFieldTypeDouble + SOIL_LANDSCAPE_ID: esriFieldTypeInteger
<p>«Polygon» ENV_AEI_SOIL_ORGNIC_D_RSK</p>	<p>«Polygon» ENV_AEI_WTR_CNTMN_CLFRM_SPRDG</p>
<p>«Field»</p> <ul style="list-style-type: none"> + ORGNIC_SOCD_1981_CLASS: esriFieldTypeInteger + ORGNIC_SOCD_1981_CLASS_EN: esriFieldTypeString + ORGNIC_SOCD_1981_CLASS_FR: esriFieldTypeString + ORGNIC_SOCD_1986_CLASS: esriFieldTypeInteger + ORGNIC_SOCD_1986_CLASS_EN: esriFieldTypeString + ORGNIC_SOCD_1986_CLASS_FR: esriFieldTypeString + ORGNIC_SOCD_1991_CLASS: esriFieldTypeInteger + ORGNIC_SOCD_1991_CLASS_EN: esriFieldTypeString + ORGNIC_SOCD_1991_CLASS_FR: esriFieldTypeString + ORGNIC_SOCD_1996_CLASS: esriFieldTypeInteger + ORGNIC_SOCD_1996_CLASS_EN: esriFieldTypeString + ORGNIC_SOCD_1996_CLASS_FR: esriFieldTypeString + ORGNIC_SOCD_2001_CLASS: esriFieldTypeInteger + ORGNIC_SOCD_2001_CLASS_EN: esriFieldTypeString + ORGNIC_SOCD_2001_CLASS_FR: esriFieldTypeString + ORGNIC_SOCD_2006_CLASS: esriFieldTypeInteger + ORGNIC_SOCD_2006_CLASS_EN: esriFieldTypeString + ORGNIC_SOCD_2006_CLASS_FR: esriFieldTypeString + ORGNIC_SOCD_2011_CLASS: esriFieldTypeInteger + ORGNIC_SOCD_2011_CLASS_EN: esriFieldTypeString + ORGNIC_SOCD_2011_CLASS_FR: esriFieldTypeString + SOIL_LANDSCAPE_ID: esriFieldTypeInteger 	<p>«Field»</p> <ul style="list-style-type: none"> + RWTR_CLFRMSPRDG_1981_CLASS: esriFieldTypeInteger + RWTR_CLFRMSPRDG_1981_CLASS_EN: esriFieldTypeString + RWTR_CLFRMSPRDG_1981_CLASS_FR: esriFieldTypeString + RWTR_CLFRMSPRDG_1981_VAL: esriFieldTypeDouble + RWTR_CLFRMSPRDG_1986_CLASS: esriFieldTypeInteger + RWTR_CLFRMSPRDG_1986_CLASS_EN: esriFieldTypeString + RWTR_CLFRMSPRDG_1986_CLASS_FR: esriFieldTypeString + RWTR_CLFRMSPRDG_1986_VAL: esriFieldTypeDouble + RWTR_CLFRMSPRDG_1991_CLASS: esriFieldTypeInteger + RWTR_CLFRMSPRDG_1991_CLASS_EN: esriFieldTypeString + RWTR_CLFRMSPRDG_1991_CLASS_FR: esriFieldTypeString + RWTR_CLFRMSPRDG_1991_VAL: esriFieldTypeDouble + RWTR_CLFRMSPRDG_1996_CLASS: esriFieldTypeInteger + RWTR_CLFRMSPRDG_1996_CLASS_EN: esriFieldTypeString + RWTR_CLFRMSPRDG_1996_CLASS_FR: esriFieldTypeString + RWTR_CLFRMSPRDG_1996_VAL: esriFieldTypeDouble + RWTR_CLFRMSPRDG_2001_CLASS: esriFieldTypeInteger + RWTR_CLFRMSPRDG_2001_CLASS_EN: esriFieldTypeString + RWTR_CLFRMSPRDG_2001_CLASS_FR: esriFieldTypeString + RWTR_CLFRMSPRDG_2001_VAL: esriFieldTypeDouble + RWTR_CLFRMSPRDG_2006_CLASS: esriFieldTypeInteger + RWTR_CLFRMSPRDG_2006_CLASS_EN: esriFieldTypeString + RWTR_CLFRMSPRDG_2006_CLASS_FR: esriFieldTypeString + RWTR_CLFRMSPRDG_2006_VAL: esriFieldTypeDouble + RWTR_CLFRMSPRDG_2011_CLASS: esriFieldTypeInteger + RWTR_CLFRMSPRDG_2011_CLASS_EN: esriFieldTypeString + RWTR_CLFRMSPRDG_2011_CLASS_FR: esriFieldTypeString + RWTR_CLFRMSPRDG_2011_VAL: esriFieldTypeDouble + SOIL_LANDSCAPE_ID: esriFieldTypeInteger

ArcGIS Workspace

«Polygon» ENV_AEI_WTR_CNTMN_CLFRM_PSTR	
«Field»	
+ RWTR_CLFRMPSTR_1981_CLASS:	esriFieldTypeInteger
+ RWTR_CLFRMPSTR_1981_CLASS_EN:	esriFieldTypeString
+ RWTR_CLFRMPSTR_1981_CLASS_FR:	esriFieldTypeString
+ RWTR_CLFRMPSTR_1981_VAL:	esriFieldTypeDouble
+ RWTR_CLFRMPSTR_1986_CLASS:	esriFieldTypeInteger
+ RWTR_CLFRMPSTR_1986_CLASS_EN:	esriFieldTypeString
+ RWTR_CLFRMPSTR_1986_CLASS_FR:	esriFieldTypeString
+ RWTR_CLFRMPSTR_1986_VAL:	esriFieldTypeDouble
+ RWTR_CLFRMPSTR_1991_CLASS:	esriFieldTypeInteger
+ RWTR_CLFRMPSTR_1991_CLASS_EN:	esriFieldTypeString
+ RWTR_CLFRMPSTR_1991_CLASS_FR:	esriFieldTypeString
+ RWTR_CLFRMPSTR_1991_VAL:	esriFieldTypeDouble
+ RWTR_CLFRMPSTR_1996_CLASS:	esriFieldTypeInteger
+ RWTR_CLFRMPSTR_1996_CLASS_EN:	esriFieldTypeString
+ RWTR_CLFRMPSTR_1996_CLASS_FR:	esriFieldTypeString
+ RWTR_CLFRMPSTR_1996_VAL:	esriFieldTypeDouble
+ RWTR_CLFRMPSTR_2001_CLASS:	esriFieldTypeInteger
+ RWTR_CLFRMPSTR_2001_CLASS_EN:	esriFieldTypeString
+ RWTR_CLFRMPSTR_2001_CLASS_FR:	esriFieldTypeString
+ RWTR_CLFRMPSTR_2001_VAL:	esriFieldTypeDouble
+ RWTR_CLFRMPSTR_2006_CLASS:	esriFieldTypeInteger
+ RWTR_CLFRMPSTR_2006_CLASS_EN:	esriFieldTypeString
+ RWTR_CLFRMPSTR_2006_CLASS_FR:	esriFieldTypeString
+ RWTR_CLFRMPSTR_2006_VAL:	esriFieldTypeDouble
+ RWTR_CLFRMPSTR_2011_CLASS:	esriFieldTypeInteger
+ RWTR_CLFRMPSTR_2011_CLASS_EN:	esriFieldTypeString
+ RWTR_CLFRMPSTR_2011_CLASS_FR:	esriFieldTypeString
+ RWTR_CLFRMPSTR_2011_VAL:	esriFieldTypeDouble
+ SOIL_LANDSCAPE_ID:	esriFieldTypeInteger

«Polygon» ENV_AEI_BIOD_HCBF	
«Field»	
+ HCBF_1986_CLASS:	esriFieldTypeInteger
+ HCBF_1986_CLASS_EN:	esriFieldTypeString
+ HCBF_1986_CLASS_FR:	esriFieldTypeString
+ HCBF_1991_CLASS:	esriFieldTypeInteger
+ HCBF_1991_CLASS_EN:	esriFieldTypeString
+ HCBF_1991_CLASS_FR:	esriFieldTypeString
+ HCBF_1996_CLASS:	esriFieldTypeInteger
+ HCBF_1996_CLASS_EN:	esriFieldTypeString
+ HCBF_1996_CLASS_FR:	esriFieldTypeString
+ HCBF_2001_CLASS:	esriFieldTypeInteger
+ HCBF_2001_CLASS_EN:	esriFieldTypeString
+ HCBF_2001_CLASS_FR:	esriFieldTypeString
+ HCBF_2006_CLASS:	esriFieldTypeInteger
+ HCBF_2006_CLASS_EN:	esriFieldTypeString
+ HCBF_2006_CLASS_FR:	esriFieldTypeString
+ HCBF_2011_CLASS:	esriFieldTypeInteger
+ HCBF_2011_CLASS_EN:	esriFieldTypeString
+ HCBF_2011_CLASS_FR:	esriFieldTypeString
+ SOIL_LANDSCAPE_ID:	esriFieldTypeInteger

«Polygon» ENV_AEI_MGMNT_RSN	
«Field»	
+ RSN_1981_CLASS:	esriFieldTypeInteger
+ RSN_1981_CLASS_EN:	esriFieldTypeString
+ RSN_1981_CLASS_FR:	esriFieldTypeString
+ RSN_1981_VAL:	esriFieldTypeDouble
+ RSN_1986_CLASS:	esriFieldTypeInteger
+ RSN_1986_CLASS_EN:	esriFieldTypeString
+ RSN_1986_CLASS_FR:	esriFieldTypeString
+ RSN_1986_VAL:	esriFieldTypeDouble
+ RSN_1991_CLASS:	esriFieldTypeInteger
+ RSN_1991_CLASS_EN:	esriFieldTypeString
+ RSN_1991_CLASS_FR:	esriFieldTypeString
+ RSN_1991_VAL:	esriFieldTypeDouble
+ RSN_1996_CLASS:	esriFieldTypeInteger
+ RSN_1996_CLASS_EN:	esriFieldTypeString
+ RSN_1996_CLASS_FR:	esriFieldTypeString
+ RSN_1996_VAL:	esriFieldTypeDouble
+ RSN_2001_CLASS:	esriFieldTypeInteger
+ RSN_2001_CLASS_EN:	esriFieldTypeString
+ RSN_2001_CLASS_FR:	esriFieldTypeString
+ RSN_2001_VAL:	esriFieldTypeDouble
+ RSN_2006_CLASS:	esriFieldTypeInteger
+ RSN_2006_CLASS_EN:	esriFieldTypeString
+ RSN_2006_CLASS_FR:	esriFieldTypeString
+ RSN_2006_VAL:	esriFieldTypeDouble
+ RSN_2011_CLASS:	esriFieldTypeInteger
+ RSN_2011_CLASS_EN:	esriFieldTypeString
+ RSN_2011_CLASS_FR:	esriFieldTypeString
+ RSN_2011_VAL:	esriFieldTypeDouble
+ SOIL_LANDSCAPE_ID:	esriFieldTypeInteger

«Polygon» ENV_AEI_MGMNT_SCD	
«Field»	
+ SCD_1981_CLASS:	esriFieldTypeInteger
+ SCD_1981_CLASS_EN:	esriFieldTypeString
+ SCD_1981_CLASS_FR:	esriFieldTypeString
+ SCD_1981_VAL:	esriFieldTypeDouble
+ SCD_1986_CLASS:	esriFieldTypeInteger
+ SCD_1986_CLASS_EN:	esriFieldTypeString
+ SCD_1986_CLASS_FR:	esriFieldTypeString
+ SCD_1986_VAL:	esriFieldTypeDouble
+ SCD_1991_CLASS:	esriFieldTypeInteger
+ SCD_1991_CLASS_EN:	esriFieldTypeString
+ SCD_1991_CLASS_FR:	esriFieldTypeString
+ SCD_1991_VAL:	esriFieldTypeDouble
+ SCD_1996_CLASS:	esriFieldTypeInteger
+ SCD_1996_CLASS_EN:	esriFieldTypeString
+ SCD_1996_CLASS_FR:	esriFieldTypeString
+ SCD_1996_VAL:	esriFieldTypeDouble
+ SCD_2001_CLASS:	esriFieldTypeInteger
+ SCD_2001_CLASS_EN:	esriFieldTypeString
+ SCD_2001_CLASS_FR:	esriFieldTypeString
+ SCD_2001_VAL:	esriFieldTypeDouble
+ SCD_2006_CLASS:	esriFieldTypeInteger
+ SCD_2006_CLASS_EN:	esriFieldTypeString
+ SCD_2006_CLASS_FR:	esriFieldTypeString
+ SCD_2006_VAL:	esriFieldTypeDouble
+ SCD_2011_CLASS:	esriFieldTypeInteger
+ SCD_2011_CLASS_EN:	esriFieldTypeString
+ SCD_2011_CLASS_FR:	esriFieldTypeString
+ SCD_2011_VAL:	esriFieldTypeDouble
+ SOIL_LANDSCAPE_ID:	esriFieldTypeInteger

ArcGIS Workspace

«Polygon» ENV_AEI_SOIL_ORGANIC_REL	
«Field»	
+ ORGANIC_REL_1981_CLASS:	esriFieldTypeInteger
+ ORGANIC_REL_1981_CLASS_EN:	esriFieldTypeString
+ ORGANIC_REL_1981_CLASS_FR:	esriFieldTypeString
+ ORGANIC_REL_1981_VAL:	esriFieldTypeDouble
+ ORGANIC_REL_1986_CLASS:	esriFieldTypeInteger
+ ORGANIC_REL_1986_CLASS_EN:	esriFieldTypeString
+ ORGANIC_REL_1986_CLASS_FR:	esriFieldTypeString
+ ORGANIC_REL_1986_VAL:	esriFieldTypeDouble
+ ORGANIC_REL_1991_CLASS:	esriFieldTypeInteger
+ ORGANIC_REL_1991_CLASS_EN:	esriFieldTypeString
+ ORGANIC_REL_1991_CLASS_FR:	esriFieldTypeString
+ ORGANIC_REL_1991_VAL:	esriFieldTypeDouble
+ ORGANIC_REL_1996_CLASS:	esriFieldTypeInteger
+ ORGANIC_REL_1996_CLASS_EN:	esriFieldTypeString
+ ORGANIC_REL_1996_CLASS_FR:	esriFieldTypeString
+ ORGANIC_REL_1996_VAL:	esriFieldTypeDouble
+ ORGANIC_REL_2001_CLASS:	esriFieldTypeInteger
+ ORGANIC_REL_2001_CLASS_EN:	esriFieldTypeString
+ ORGANIC_REL_2001_CLASS_FR:	esriFieldTypeString
+ ORGANIC_REL_2001_VAL:	esriFieldTypeDouble
+ ORGANIC_REL_2006_CLASS:	esriFieldTypeInteger
+ ORGANIC_REL_2006_CLASS_EN:	esriFieldTypeString
+ ORGANIC_REL_2006_CLASS_FR:	esriFieldTypeString
+ ORGANIC_REL_2006_VAL:	esriFieldTypeDouble
+ ORGANIC_REL_2011_CLASS:	esriFieldTypeInteger
+ ORGANIC_REL_2011_CLASS_EN:	esriFieldTypeString
+ ORGANIC_REL_2011_CLASS_FR:	esriFieldTypeString
+ ORGANIC_REL_2011_VAL:	esriFieldTypeDouble
+ SOIL_LANDSCAPE_ID:	esriFieldTypeInteger

«Polygon» ENV_AEI_WTR_CNTMN_CLFRM_RSK	
«Field»	
+ FDA:	esriFieldTypeString
+ RWTR_CLFRMRSK_1981_CLASS:	esriFieldTypeInteger
+ RWTR_CLFRMRSK_1981_CLASS_EN:	esriFieldTypeString
+ RWTR_CLFRMRSK_1981_CLASS_FR:	esriFieldTypeString
+ RWTR_CLFRMRSK_1981_VAL:	esriFieldTypeDouble
+ RWTR_CLFRMRSK_1986_CLASS:	esriFieldTypeInteger
+ RWTR_CLFRMRSK_1986_CLASS_EN:	esriFieldTypeString
+ RWTR_CLFRMRSK_1986_CLASS_FR:	esriFieldTypeString
+ RWTR_CLFRMRSK_1986_VAL:	esriFieldTypeDouble
+ RWTR_CLFRMRSK_1991_CLASS:	esriFieldTypeInteger
+ RWTR_CLFRMRSK_1991_CLASS_EN:	esriFieldTypeString
+ RWTR_CLFRMRSK_1991_CLASS_FR:	esriFieldTypeString
+ RWTR_CLFRMRSK_1991_VAL:	esriFieldTypeDouble
+ RWTR_CLFRMRSK_1996_CLASS:	esriFieldTypeInteger
+ RWTR_CLFRMRSK_1996_CLASS_EN:	esriFieldTypeString
+ RWTR_CLFRMRSK_1996_CLASS_FR:	esriFieldTypeString
+ RWTR_CLFRMRSK_1996_VAL:	esriFieldTypeDouble
+ RWTR_CLFRMRSK_2001_CLASS:	esriFieldTypeInteger
+ RWTR_CLFRMRSK_2001_CLASS_EN:	esriFieldTypeString
+ RWTR_CLFRMRSK_2001_CLASS_FR:	esriFieldTypeString
+ RWTR_CLFRMRSK_2001_VAL:	esriFieldTypeDouble
+ RWTR_CLFRMRSK_2006_CLASS:	esriFieldTypeInteger
+ RWTR_CLFRMRSK_2006_CLASS_EN:	esriFieldTypeString
+ RWTR_CLFRMRSK_2006_CLASS_FR:	esriFieldTypeString
+ RWTR_CLFRMRSK_2006_VAL:	esriFieldTypeDouble
+ RWTR_CLFRMRSK_2011_CLASS:	esriFieldTypeInteger
+ RWTR_CLFRMRSK_2011_CLASS_EN:	esriFieldTypeString
+ RWTR_CLFRMRSK_2011_CLASS_FR:	esriFieldTypeString
+ RWTR_CLFRMRSK_2011_VAL:	esriFieldTypeDouble

«Polygon» ENV_AEI_AIR_FERT_EMS	
«Field»	
+ FERT_1981_CLASS:	esriFieldTypeInteger
+ FERT_1981_CLASS_EN:	esriFieldTypeString
+ FERT_1981_CLASS_FR:	esriFieldTypeString
+ FERT_1981_VAL:	esriFieldTypeDouble
+ FERT_1986_CLASS:	esriFieldTypeInteger
+ FERT_1986_CLASS_EN:	esriFieldTypeString
+ FERT_1986_CLASS_FR:	esriFieldTypeString
+ FERT_1986_VAL:	esriFieldTypeDouble
+ FERT_1991_CLASS:	esriFieldTypeInteger
+ FERT_1991_CLASS_EN:	esriFieldTypeString
+ FERT_1991_CLASS_FR:	esriFieldTypeString
+ FERT_1991_VAL:	esriFieldTypeDouble
+ FERT_1996_CLASS:	esriFieldTypeInteger
+ FERT_1996_CLASS_EN:	esriFieldTypeString
+ FERT_1996_CLASS_FR:	esriFieldTypeString
+ FERT_1996_VAL:	esriFieldTypeDouble
+ FERT_2001_CLASS:	esriFieldTypeInteger
+ FERT_2001_CLASS_EN:	esriFieldTypeString
+ FERT_2001_CLASS_FR:	esriFieldTypeString
+ FERT_2001_VAL:	esriFieldTypeDouble
+ FERT_2006_CLASS:	esriFieldTypeInteger
+ FERT_2006_CLASS_EN:	esriFieldTypeString
+ FERT_2006_CLASS_FR:	esriFieldTypeString
+ FERT_2006_VAL:	esriFieldTypeDouble
+ FERT_2011_CLASS:	esriFieldTypeInteger
+ FERT_2011_CLASS_EN:	esriFieldTypeString
+ FERT_2011_CLASS_FR:	esriFieldTypeString
+ FERT_2011_VAL:	esriFieldTypeDouble
+ SOIL_LANDSCAPE_ID:	esriFieldTypeInteger

«Polygon» ENV_AEI_AIR_LVSTK_EMS	
«Field»	
+ LVSTK_1981_CLASS:	esriFieldTypeInteger
+ LVSTK_1981_CLASS_EN:	esriFieldTypeString
+ LVSTK_1981_CLASS_FR:	esriFieldTypeString
+ LVSTK_1981_VAL:	esriFieldTypeDouble
+ LVSTK_1986_CLASS:	esriFieldTypeInteger
+ LVSTK_1986_CLASS_EN:	esriFieldTypeString
+ LVSTK_1986_CLASS_FR:	esriFieldTypeString
+ LVSTK_1986_VAL:	esriFieldTypeDouble
+ LVSTK_1991_CLASS:	esriFieldTypeInteger
+ LVSTK_1991_CLASS_EN:	esriFieldTypeString
+ LVSTK_1991_CLASS_FR:	esriFieldTypeString
+ LVSTK_1991_VAL:	esriFieldTypeDouble
+ LVSTK_1996_CLASS:	esriFieldTypeInteger
+ LVSTK_1996_CLASS_EN:	esriFieldTypeString
+ LVSTK_1996_CLASS_FR:	esriFieldTypeString
+ LVSTK_1996_VAL:	esriFieldTypeDouble
+ LVSTK_2001_CLASS:	esriFieldTypeInteger
+ LVSTK_2001_CLASS_EN:	esriFieldTypeString
+ LVSTK_2001_CLASS_FR:	esriFieldTypeString
+ LVSTK_2001_VAL:	esriFieldTypeDouble
+ LVSTK_2006_CLASS:	esriFieldTypeInteger
+ LVSTK_2006_CLASS_EN:	esriFieldTypeString
+ LVSTK_2006_CLASS_FR:	esriFieldTypeString
+ LVSTK_2006_VAL:	esriFieldTypeDouble
+ LVSTK_2011_CLASS:	esriFieldTypeInteger
+ LVSTK_2011_CLASS_EN:	esriFieldTypeString
+ LVSTK_2011_CLASS_FR:	esriFieldTypeString
+ LVSTK_2011_VAL:	esriFieldTypeDouble
+ SOIL_LANDSCAPE_ID:	esriFieldTypeInteger

4.2. Feature catalogue – Agri-Environmental Indicator (AEI) – Agri-Environmental Indicators

Title	Agri-Environmental Indicator (AEI) – Agri-Environmental Indicators
Scope	Applies to the Agri-Environmental Indicator (AEI) – Agri-Environmental Indicators data series
Version Number	1
Version Date	January 2, 2013
Producer	Agriculture and Agri-food Canada, Science and Technology Branch

4.2.1. Feature attributes

System-generated and predefined, standard attributes (for example, OBJECTID, Shape, Shape Length and Area) are not defined in the feature catalog.

4.2.1.1. Fundamental Drainage Area Identifier

Name	Fundamental Drainage Area Identifier (FDA)		
Definition	Fundamental Drainage Area Identifier		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	String		
Value Domain Type	0 (not enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.2. Proportion of Ag Land - Percent

Name	Proportion of Ag Land - Percent (PAL_AG_PERCENT)		
Definition	Proportion of Ag Land - Percent		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Double		
Value Domain	0 (not enumerated)		

Type			
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.3. PAL Classification - English

Name	PAL Classification - English (PAL_CLASS_EN)		
Definition	Textual Description of the Class in English		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	String		
Value Domain Type	0 (not enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.4. PAL Classification - French

Name	PAL Classification - French (PAL_CLASS_FR)		
Definition	Textual Description of the Class in French		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	String		
Value Domain Type	0 (not enumerated)		
Value Domain			
	Feature Attribute Value		

	Label	Code	Definition

4.2.1.5. Proportion of Ag Land - Total Hectares

Name	Proportion of Ag Land - Total Hectares (PAL_TOTAL_HA_AREA)		
Definition	Proportion of Ag Land - Total Hectares		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Double		
Value Domain Type	0 (not enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.6. Pesticide Concentration in Surface Runoff 1981

Name	Pesticide Concentration in Surface Runoff 1981 (RWTR_PSTCD_1981_CC)		
Definition	Estimated mean concentration of pesticides, (ug/L), in the surface runoff in the given year		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.7. Pesticide Concentration Greater than .5 Micrograms per litre 1981

Name	Pesticide Concentration Greater than .5 Micrograms per litre 1981 (RWTR_PSTCD_1981_MAC)		
------	---	--	--

Definition	Estimated number of days when concentration in surface runoff water exceeded 0.5 ug/L, in the given year. Median from the 100 stochastic scenarios, and not used in calculating the indicator value.		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.8. Estimated Mass of Pesticide Transported 1981

Name	<i>Estimated Mass of Pesticide Transported 1981</i> (RWTR_PSTCD_1981_MASS)		
Definition	Estimated mass of pesticide transported (g/ha) in the given year		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.9. Estimated days of Pesticide Surface Runoff 1981

Name	Estimated days of Pesticide Surface Runoff 1981 (RWTR_PSTCD_1981_RNOFF_DYS)		
Definition	Estimated number of days with		

	surface runoff, in the given year		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.10. Contamination Risk by Pesticide 1981 Classification

Name	Contamination Risk by Pesticide 1981 Classification (RWTR_PSTCD_1981_CLASS)		
Definition	A classification that describes the level of particulate matter emissions		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	1 (enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition
	Very Low	1	
	Low	2	
	Moderate	3	
	High	4	
	Very High	5	
	Not Assessed	-1	

4.2.1.11. Contamination Risk by Pesticide 1981 Classification - English

Name	Contamination Risk by Pesticide 1981 Classification - English (RWTR_PSTCD_1981_CLASS_EN)	
Definition	Textual Description of the Class in	

	English		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	String		
Value Domain Type	0 (not enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.12. Contamination Risk by Pesticide 1981 Classification - French

Name	Contamination Risk by Pesticide 1981 Classification - French (RWTR_PSTCD_1981_CLASS_FR)		
Definition	Textual Description of the Class in French		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	String		
Value Domain Type	0 (not enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.13. Pesticide Concentration in Surface Runoff 1986

Name	Pesticide Concentration in Surface Runoff 1986 (RWTR_PSTCD_1986_CC)		
Definition	Estimated mean concentration of pesticides, (ug/L), in the surface runoff in the given year		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			

	Feature Attribute Value		
	Label	Code	Definition

4.2.1.14. Pesticide Concentration Greater than .5 Micrograms per litre 1986

Name	Pesticide Concentration Greater than .5 Micrograms per litre 1986 (RWTR_PSTCD_1986_MAC)		
Definition	Estimated number of days when concentration in surface runoff water exceeded 0.5 ug/L, in the given year. Median from the 100 stochastic scenarios, and not used in calculating the indicator value.		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.15. Estimated Mass of Pesticide Transported 1986

Name	Estimated Mass of Pesticide Transported 1986 (RWTR_PSTCD_1986_MASS)		
Definition	Estimated mass of pesticide transported (g/ha) in the given year		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		

	Label	Code	Definition
--	-------	------	------------

4.2.1.16. Estimated days of Pesticide Surface Runoff 1986

Name	Estimated days of Pesticide Surface Runoff 1986 (RWTR_PSTCD_1986_RNOFF_DYS)		
Definition	Estimated number of days with surface runoff, in the given year		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.17. Contamination Risk by Pesticide 1986 Classification

Name	Contamination Risk by Pesticide 1986 Classification (RWTR_PSTCD_1986_CLASS)		
Definition	A classification that describes the level of particulate matter emissions		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	1 (enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition
	Very Low	1	
	Low	2	
	Moderate	3	

	High	4	
	Very High	5	
	Not Assessed	-1	

4.2.1.18. Contamination Risk by Pesticide 1986 Classification - English

Name	Contamination Risk by Pesticide 1986 Classification - English (RWTR_PSTCD_1986_CLASS_EN)		
Definition	Textual Description of the Class in English		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	String		
Value Domain Type	0 (not enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.19. Contamination Risk by Pesticide 1986 Classification - French

Name	Contamination Risk by Pesticide 1986 Classification - French (RWTR_PSTCD_1986_CLASS_FR)		
Definition	Textual Description of the Class in French		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	String		
Value Domain Type	0 (not enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.20. Pesticide Concentration in Surface Runoff 1991

Name	Pesticide Concentration in Surface Runoff 1991 (RWTR_PSTCD_1991_CC)		
Definition	Estimated mean concentration		

	of pesticides, (ug/L), in the surface runoff in the given year		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.21. Pesticide Concentration Greater than .5 Micrograms per litre 1991

Name	Pesticide Concentration Greater than .5 Micrograms per litre 1991 (RWTR_PSTCD_1991_MAC)		
Definition	Estimated number of days when concentration in surface runoff water exceeded 0.5 ug/L, in the given year. Median from the 100 stochastic scenarios, and not used in calculating the indicator value.		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.22. Estimated Mass of Pesticide Transported 1991

Name	Estimated Mass of Pesticide Transported 1991 (RWTR_PSTCD_1991_MASS)		
Definition	Estimated mass of pesticide transported (g/ha) in the given		

	year		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.23. Estimated days of Pesticide Surface Runoff 1991

Name	Estimated days of Pesticide Surface Runoff 1991 (RWTR_PSTCD_1991_RNOFF_DYS)		
Definition	Estimated number of days with surface runoff, in the given year		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.24. Contamination Risk by Pesticide 1991 Classification

Name	Contamination Risk by Pesticide 1991 Classification (RWTR_PSTCD_1991_CLASS)		
Definition	A classification that describes the level of particulate matter emissions		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		

Value Domain Type	1 (enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition
	Very Low	1	
	Low	2	
	Moderate	3	
	High	4	
	Very High	5	
	Not Assessed	-1	

4.2.1.25. Contamination Risk by Pesticide 1991 Classification - English

Name	Contamination Risk by Pesticide 1991 Classification - English (RWTR_PSTCD_1991_CLASS_EN)		
Definition	Textual Description of the Class in English		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	String		
Value Domain Type	0 (not enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.26. Contamination Risk by Pesticide 1991 Classification - French

Name	Contamination Risk by Pesticide 1991 Classification - French (RWTR_PSTCD_1991_CLASS_FR)		
Definition	Textual Description of the Class in French		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	String		
Value Domain Type	0 (not enumerated)		

Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.27. Pesticide Concentration in Surface Runoff 1996

Name	Pesticide Concentration in Surface Runoff 1996 (RWTR_PSTCD_1996_CC)		
Definition	Estimated mean concentration of pesticides, (ug/L), in the surface runoff in the given year		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.28. Pesticide Concentration Greater than .5 Micrograms per litre 1996

Name	Pesticide Concentration Greater than .5 Micrograms per litre 1996 (RWTR_PSTCD_1996_MAC)		
Definition	Estimated number of days when concentration in surface runoff water exceeded 0.5 ug/L, in the given year. Median from the 100 stochastic scenarios, and not used in calculating the indicator value.		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		

	Label	Code	Definition
--	-------	------	------------

4.2.1.29. Estimated Mass of Pesticide Transported 1996

Name	Estimated Mass of Pesticide Transported 1996 (RWTR_PSTCD_1996_MASS)		
Definition	Estimated mass of pesticide transported (g/ha) in the given year		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.30. Estimated days of Pesticide Surface Runoff 1996

Name	Estimated days of Pesticide Surface Runoff 1996 (RWTR_PSTCD_1996_RNOFF_DYS)		
Definition	Estimated number of days with surface runoff, in the given year		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.31. Contamination Risk by Pesticide 1996 Classification

Name	Contamination Risk by	
------	-----------------------	--

	Pesticide 1996 Classification (RWTR_PSTCD_1996_CLASS)		
Definition	A classification that describes the level of particulate matter emissions		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	1 (enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition
	Very Low	1	
	Low	2	
	Moderate	3	
	High	4	
	Very High	5	
	Not Assessed	-1	

4.2.1.32. Contamination Risk by Pesticide 1996 Classification - English

Name	Contamination Risk by Pesticide 1996 Classification - English (RWTR_PSTCD_1996_CLASS_EN)		
Definition	Textual Description of the Class in English		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	String		
Value Domain Type	0 (not enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.33. Contamination Risk by Pesticide 1996 Classification - French

Name	Contamination Risk by Pesticide 1996 Classification - French		
------	--	--	--

	(RWTR_PSTCD_1996_CLASS_FR)		
Definition	Textual Description of the Class in French		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	String		
Value Domain Type	0 (not enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.34. Pesticide Concentration in Surface Runoff 2001

Name	Pesticide Concentration in Surface Runoff 2001 (RWTR_PSTCD_2001_CC)		
Definition	Estimated mean concentration of pesticides, (ug/L), in the surface runoff in the given year		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.35. Pesticide Concentration Greater than .5 Micrograms per litre 2001

Name	Pesticide Concentration Greater than .5 Micrograms per litre 2001 (RWTR_PSTCD_2001_MAC)		
Definition	Estimated number of days when concentration in surface runoff water exceeded 0.5 ug/L, in the given year. Median from the 100 stochastic scenarios, and not used in calculating the indicator value.		

Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.36. Estimated Mass of Pesticide Transported 2001

Name	Estimated Mass of Pesticide Transported 2001 (RWTR_PSTCD_2001_MASS)		
Definition	Estimated mass of pesticide transported (g/ha) in the given year		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.37. Estimated days of Pesticide Surface Runoff 2001

Name	Estimated days of Pesticide Surface Runoff 2001 (RWTR_PSTCD_2001_RNOFF_DYS)		
Definition	Estimated number of days with surface runoff, in the given year		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain	0 (non -enumerated)		

Type			
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.38. Contamination Risk by Pesticide 2001 Classification

Name	Contamination Risk by Pesticide 2001 Classification (RWTR_PSTCD_2001_CLASS)		
Definition	A classification that describes the level of particulate matter emissions		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	1 (enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition
	Very Low	1	
	Low	2	
	Moderate	3	
	High	4	
	Very High	5	
	Not Assessed	-1	

4.2.1.39. Contamination Risk by Pesticide 2001 Classification - English

Name	Contamination Risk by Pesticide 2001 Classification - English (RWTR_PSTCD_2001_CLASS_EN)		
Definition	Textual Description of the Class in English		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	String		

Value Domain Type	0 (not enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.40. Contamination Risk by Pesticide 2001 Classification - French

Name	Contamination Risk by Pesticide 2001 Classification - French (RWTR_PSTCD_2001_CLASS_FR)		
Definition	Textual Description of the Class in French		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	String		
Value Domain Type	0 (not enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.41. Pesticide Concentration in Surface Runoff 2006

Name	Pesticide Concentration in Surface Runoff 2006 (RWTR_PSTCD_2006_CC)		
Definition	Estimated mean concentration of pesticides, (ug/L), in the surface runoff in the given year		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.42. Pesticide Concentration Greater than .5 Micrograms per litre 2006

Name	Pesticide Concentration Greater than .5 Micrograms per litre 2006 (RWTR_PSTCD_2006_MAC)		
Definition	Estimated number of days when concentration in surface runoff water exceeded 0.5 ug/L, in the given year. Median from the 100 stochastic scenarios, and not used in calculating the indicator value.		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.43. Estimated Mass of Pesticide Transported 2006

Name	Estimated Mass of Pesticide Transported 2006 (RWTR_PSTCD_2006_MASS)		
Definition	Estimated mass of pesticide transported (g/ha) in the given year		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.44. Estimated days of Pesticide Surface Runoff 2006

Name	Estimated days of Pesticide Surface Runoff 2006 (RWTR_PSTCD_2006_RNOFF_DYS)		
Definition	Estimated number of days with surface runoff, in the given year		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.45. Contamination Risk by Pesticide 2006 Classification

Name	Contamination Risk by Pesticide 2006 Classification (RWTR_PSTCD_2006_CLASS)		
Definition	A classification that describes the level of particulate matter emissions		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	1 (enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition
	Very Low	1	
	Low	2	
	Moderate	3	
	High	4	
	Very High	5	
	Not Assessed	-1	

4.2.1.46. Contamination Risk by Pesticide 2006 Classification - English

Name	Contamination Risk by Pesticide 2006 Classification - English (RWTR_PSTCD_2006_CLASS_EN)		
Definition	Textual Description of the Class in English		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	String		
Value Domain Type	0 (not enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.47. Contamination Risk by Pesticide 2006 Classification - French

Name	Contamination Risk by Pesticide 2006 Classification - French (RWTR_PSTCD_2006_CLASS_FR)		
Definition	Textual Description of the Class in French		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	String		
Value Domain Type	0 (not enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.48. Pesticide Concentration in Surface Runoff 2011

Name	Pesticide Concentration in Surface Runoff 2011 (RWTR_PSTCD_2011_CC)	
Definition	Estimated mean concentration of pesticides, (ug/L), in the surface runoff in the given year	
Aliases		
Producer	Agriculture and Agri-food Canada	

Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.49. Pesticide Concentration Greater than .5 Micrograms per litre 2011

Name	Pesticide Concentration Greater than .5 Micrograms per litre 2011 (RWTR_PSTCD_2011_MAC)		
Definition	Estimated number of days when concentration in surface runoff water exceeded 0.5 ug/L, in the given year. Median from the 100 stochastic scenarios, and not used in calculating the indicator value.		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.50. Estimated Mass of Pesticide Transported 2011

Name	Estimated Mass of Pesticide Transported 2011 (RWTR_PSTCD_2011_MASS)		
Definition	Estimated mass of pesticide transported (g/ha) in the given year		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		

Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.51. Estimated days of Pesticide Surface Runoff 2011

Name	Estimated days of Pesticide Surface Runoff 2011 (RWTR_PSTCD_2011_RNOFF_DYS)		
Definition	Estimated number of days with surface runoff, in the given year		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	0 (non -enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.52. Contamination Risk by Pesticide 2011 Classification

Name	Contamination Risk by Pesticide 2011 Classification (RWTR_PSTCD_2011_CLASS)		
Definition	A classification that describes the level of particulate matter emissions		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	Integer		
Value Domain Type	1 (enumerated)		
Value Domain			
	Feature Attribute Value		

	Label	Code	Definition
	Very Low	1	
	Low	2	
	Moderate	3	
	High	4	
	Very High	5	
	Not Assessed	-1	

4.2.1.53. Contamination Risk by Pesticide 2011 Classification - English

Name	Contamination Risk by Pesticide 2011 Classification - English (RWTR_PSTCD_2011_CLASS_EN)		
Definition	Textual Description of the Class in English		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	String		
Value Domain Type	0 (not enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

4.2.1.54. Contamination Risk by Pesticide 2011 Classification - French

Name	Contamination Risk by Pesticide 2011 Classification - French (RWTR_PSTCD_2011_CLASS_FR)		
Definition	Textual Description of the Class in French		
Aliases			
Producer	Agriculture and Agri-food Canada		
Value Data Type	String		
Value Domain Type	0 (not enumerated)		
Value Domain			
	Feature Attribute Value		
	Label	Code	Definition

5. REFERENCE SYSTEM

5.1. Spatial reference system

Horizontal coordinate reference system: WGS84

Map projection: Web Mercator Auxiliary Sphere; EPSG:3857; Version 8.1.4

5.2. Temporal reference system

Gregorian calendar

6. DATA QUALITY

6.1. Completeness

Measure not defined at this time.

6.2. Logical consistency

Measure not defined at this time.

6.3. Positional accuracy

Measure not defined at this time.

6.4. Temporal accuracy

Measure not defined at this time.

6.5. Thematic accuracy

Measure not defined at this time.

6.6. Lineage statement

Lineage Statement	The agri-environmental indicator data was calculated using mathematical models or formulas that integrate information on soil, climate and landscape. This information was mainly derived from Soil Landscapes of Canada and information on crops, land use, land management and livestock from the Census of Agriculture and other custom data sets from provincial agencies, the private sector, and remote sensing agencies.
Scope	Data series

7. DATA CAPTURE

The agri-environmental indicator data was mainly derived from:

- Soil Landscapes of Canada (SLC), from the Soil Landscapes of Canada Working Group, 2007 (information on soil, climate and landscape)
- Census of Agriculture, from Statistics Canada (information on crops, land use, land management and livestock)

Other custom data sets came from provincial agencies, private sector and remote sensing agencies, among others. Some factors used in the calculation of data were compiled and developed by the program researchers.

Summarized results from the Census of Agriculture, special surveys such as the Farm Environmental Management Survey (Statistics Canada, 2007) or combinations of these two

sources were also used to complement the information provided by agri-environmental indicator data.

The agri-environmental indicator data was collected at various temporal and geographical scales and interpreted and integrated into a common geospatial framework. The areas used for most of the primary agriculture indicator model calculations are polygons of the SLC map series. Units of measurement are listed for each attribute in *Section 4.2.1 - Feature Attributes*; however a summary table is shown below:

Indicator	Unit of Measurement
Soil Cover	Days
Wildlife Habitat	Unit-less
Soil erosion	Mg ha ⁻¹ yr ⁻¹
Soil Organic Carbon Change (SOCC) and Relative Soil Organic Carbon (RSOC) indicators	SOCC - kg ha ⁻¹ yr ⁻¹ RSOC is unit-less
Salinization	Unit-less
Residual Soil Nitrogen (RSN) and Indicator for the Risk of Water Contamination by Nitrogen (IROWC-N)	RSN - kg N ha ⁻¹ IROWC-N classes unit-less, derived from leaching (kg N ha ⁻¹) and concentration (mg N/L)
Phosphorus	Unit-less
Coliforms	Unit-less
Pesticides	Unit-less
Greenhouse Gases	kg CO ₂ e/ha ⁻¹
Ammonia	kg ha ⁻¹
Particulate Matter	kg ha ⁻¹

A second framework based on watershed boundaries, National Scale Frameworks Hydrology - Drainage Areas, Canada, v 5.0 (NRC, 2003), was used by two indicators that assesses risk to water quality.

8. DATA MAINTENANCE

Frequency: As Needed

Updates to the data series are tied to the release of new census data.

9. PORTRAYAL

Not applicable.

10. DATA PRODUCT DELIVERY

File Geodatabase

format name: Esri Geodatabase (File-based) format version: 10.1

specification: A collection of various types of GIS datasets held in a file system folder.

(<http://arcgis.com>)

languages: eng

character set: utf8

GML

format name: Geography Markup Language format version: 2.0

specification: Open Geospatial Consortium Inc., OpenGIS®Geography Markup Language (GML) Implementation Specification, Version 3.1.1, 2004-02-07, Reference number of this OGC® project document: 03-105r1 (http://portal.opengeospatial.org/files/?artifact_id=4700)

languages: eng

character set: utf8

11. METADATA

The metadata requirements follow the Government of Canada's Treasury Board Standard on Geospatial Data (ISO 19115).