

Oracle Designer

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Parameter Values

Workarea : GLOBAL SHARED WORKAREA
Container : IAPP
Container Version:
Recurse Sub-Containers : N
Entity Name : %
Include Notes : No
ER Diagram :

Entities Created

On/After :
On/Before : 29 July 2005
and

Entities Changed

On/After :
On/Before : 29 July 2005

Entity Definition

Container: IAPP Version:

Entity

Name : AREA CLASSIFICATION CODE
 Short Name : ACC
 Plural Name : AREA CLASSIFICATION CODE

Description

The relevance that a particular Biological Control Record provides to the Invasive Alien Plant Program. Indicates if a Biological Control is classified as a Collection or Research area. Helps identify sensitive records that external users should not be able to see in detail.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
* AREA CLASSIFICATION CODE		N	VARCHAR2	1	
DESCRIPTION		N	VARCHAR2	120	
EFFECTIVE DATE		N	DATE		
EXPIRY DATE		N	DATE		
UPDATE TIMESTAMP		N	DATE		

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE application of one or more BIOLOGICAL TREATMENT

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
ACC2	Yes	AREA CLASSIFICATIO N CODE		

Entity Definition

Container: IAPP Version:

Entity

Name : BEC CODE TABLE

Short Name : BCT

Plural Name : BEC CODE TABLE

Description

External table used for validation of IAPP_SITE BEC data.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
* BEC CODE ID		N	NUMBER	4	

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
BCT	Yes	BEC CODE ID		

Entity Definition

Container: IAPP Version:

Entity

Name : BEC SITE SERIES

Short Name : BSS

Plural Name : BEC SITE SERIES

Description

External table used for validation of IAPP_SITE BEC data.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
* BEC SITE SERIES ID		N	NUMBER	10	

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
BSS	Yes	BEC SITE SERIES ID		

Entity Definition

Container: IAPP Version:

Entity

Name : BIOAGENT MATURITY STATUS CODE
Short Name : BMSC
Plural Name : BIOAGENT MATURITY STATUS CODE

Description

The status is either Primary, Secondary or Tertiary and is an indication of the maturity of the research conducted on a Biological Agent.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
* BIOAGENT MATURITY STATUS CODE		N	VARCHAR2	1	
DESCRIPTION		N	VARCHAR2	120	
EFFECTIVE DATE		N	DATE		
EXPIRY DATE		N	DATE		
UPDATE TIMESTAMP		N	DATE		

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE status for one or more

BIOLOGICAL AGENT
MATURITY

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
BMSC	Yes	BIOAGENT MATURITY STATUS CODE		

Entity Definition

Container: IAPP Version:

Entity

Name : BIOLOGICAL AGENT CODE
 Short Name : BAC
 Plural Name : BIOLOGICAL AGENT CODE

Description

Identifies an organism used to control an invasive alien plant. Examples: Aceria chondrillae, Longitarsus jacobaeae (Waterhouse), Trichosirocalus horridus (Panzer).

Attributes

* - Attributes in primary unique identifier

	<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
*	BIOLOGICAL AGENT CODE		N	VARCHAR2	7	
	DESCRIPTION		N	VARCHAR2	120	
	EFFECTIVE DATE		N	DATE		
	EXPIRY DATE		N	DATE		
	UPDATE TIMESTAMP		N	DATE		

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE	prescribed by one or more	PROPOSED IAPP ACTIVITY
MAY BE	ranked by one or more	BIOLOGICAL AGENT MATURITY
MAY BE	species of one or more	BIOLOGICAL AGENT EXCEPTION
MAY BE	species of one or more	BIOLOGICAL DISPERSAL
MAY BE	species of one or more	BIOLOGICAL TREATMENT

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
BAC	Yes	BIOLOGICAL AGENT CODE		

Entity Definition

Container: IAPP Version:

Entity

Name : BIOLOGICAL AGENT EXCEPTION
 Short Name : BAE
 Plural Name : BIOLOGICAL AGENT EXCEPTION

Description

A Biological Agent Exception will be generated if a user chooses to save a Biological Treatment, Biological Dispersal or an Invasive Plant Plan with an inappropriate biological agent/invasive plant combination. The appropriate combinations of biological agents and invasive plants is described in the BIOLOGICAL_AGENT_MATURITY table. If the combination that user chooses does not exist in this table then the user will be required to enter exception comments. These comments, along with other metadata will be sent to a 'Biological Agent Auditor' by email and stored in this entity.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ENTRY TIMESTAMP		N	DATE		
ENTRY USERID		N	VARCHAR2	30	
EXCEPTION COMMENTS		N	VARCHAR2	2000	
* EXCEPTION ID		N	NUMBER	10	
REVISION COUNT		N	NUMBER	10	,0
UPDATE TIMESTAMP		N	DATE		
UPDATE USERID		N	VARCHAR2	30	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE	justification for one and only one	PROPOSED IAPP ACTIVITY
or MAY BE	justification for one and only one	BIOLOGICAL DISPERSAL
or MAY BE	justification for one and only one	BIOLOGICAL TREATMENT
MUST BE	recorded by one and only one	INVASIVE PLANT AGENCY CODE
MUST BE	selected one and only one	BIOLOGICAL AGENT CODE
MUST BE	selected one and only one	INVASIVE PLANT SPECIES

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
BAE	Yes	EXCEPTION ID		

Entity Definition

Container: IAPP Version:

Entity

Name : BIOLOGICAL AGENT MATURITY
 Short Name : BAM
 Plural Name : BIOLOGICAL AGENT MATURITY

Description

Maps the ability of particular Biological Agents to control a particular Invasive Plant. The status is either PRI (Primary), SEC (Secondary) or TER (Tertiary) and indicates whether the biological agent acts directly on the plant or controls the plant by some secondary or tertiary process. "The agents of classical biological control may kill the weeds directly. However, usually they reduce weed population indirectly by decreasing reproductive and competitive abilities or plant vigour, which in turn encourages the re-establishment of native vegetation." [Source: Integrated Pest Management - Biocontrol, <http://www.for.gov.bc.ca/hfp/noxious/biocontr.htm>]

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ENTRY TIMESTAMP		N	DATE		
ENTRY USERID		N	VARCHAR2	30	
UPDATE TIMESTAMP		N	DATE		
UPDATE USERID		N	VARCHAR2	30	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MUST BE	has status one and only one	BIOAGENT MATURITY STATUS CODE
* MUST BE	maturity for one and only one	BIOLOGICAL AGENT CODE
* MUST BE	of species one and only one	INVASIVE PLANT SPECIES

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
BAM	Yes		maturity for of species	BIOLOGICAL AGENT CODE INVASIVE PLANT SPECIES

Entity Definition

Container: IAPP Version:

Entity

Name : BIOLOGICAL AGENT SPREAD
 Short Name : BAS
 Plural Name : BIOLOGICAL AGENT SPREAD

Description

A transect from the release point indicating the extent of the spread of the biocontrol.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
BEARING		N	NUMBER	3	
DISTANCE		N	NUMBER	10	,1
ENTRY TIMESTAMP		N	DATE		
ENTRY USERID		N	VARCHAR2	30	
* SPREAD ID		N	NUMBER	10	
UPDATE TIMESTAMP		N	DATE		
UPDATE USERID		N	VARCHAR2	30	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MUST BE plotting one and only one

BIOLOGICAL
MONITORING

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
BAS	Yes	SPREAD ID		

Entity Definition

Container: IAPP Version:

Entity

Name : BIOLOGICAL DISPERSAL
 Short Name : BD
 Plural Name : BIOLOGICAL DISPERSAL

Description

An observation of a biocontrol agent that had not been released at this site.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ADULTS PRESENT IND		N	VARCHAR2	1	
* BIOLOGICAL DISPERSAL ID		N	NUMBER	10	
ENTRY TIMESTAMP		N	DATE		
ENTRY USERID		N	VARCHAR2	30	
FOLIAR FEEDING DAMAGE IND		N	VARCHAR2	1	
INSPECTION DATE		N	DATE		
LARVAE PRESENT IND		N	VARCHAR2	1	
OVIPOSITION MARKS IND		N	VARCHAR2	1	
PUPAE PRESENT IND		N	VARCHAR2	1	
REVISION COUNT		N	NUMBER	10	,0
ROOT FEEDING DAMAGE IND		N	VARCHAR2	1	
SEED FEEDING DAMAGE IND		N	VARCHAR2	1	
TUNNELS PRESENT IND		N	VARCHAR2	1	
UPDATE TIMESTAMP		N	DATE		
UPDATE USERID		N	VARCHAR2	30	
UTM EASTING		N	NUMBER	6	
UTM NORTHING		N	NUMBER	7	
UTM ZONE		N	NUMBER	2	
AGENT COUNT		Y	NUMBER	4	
COMMENTS		Y	VARCHAR2	2000	
COUNT DURATION		Y	NUMBER	4	
PAPER FILE ID		Y	VARCHAR2		

Entity Definition

Container: IAPP Version:

20

PLANT COUNT

Y

NUMBER

4

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE	detected by one or more	DISPERSAL SURVEYOR
MAY BE	justified by one or more	BIOLOGICAL AGENT EXCEPTION
MAY BE	spatially defined by one and only one	IAPP DISPERSAL POLY
MUST BE	found on one and only one	INVASIVE PLANT
MUST BE	of species one and only one	BIOLOGICAL AGENT CODE
MUST BE	overseen by one and only one	INVASIVE PLANT AGENCY CODE

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
BD	Yes	BIOLOGICAL DISPERSAL ID		

Entity Definition

Container: IAPP Version:

Entity

Name : BIOLOGICAL MONITORING
 Short Name : BM
 Plural Name : BIOLOGICAL MONITORING

Description

An inspection of a biocontrol treatment to determine presence at a given location, density per plant or area, amount and type of damage per plant or area, and direction, distance, and rate of movement from release point.

For most operational biological control programs, checking for presence will be the only monitoring function. If there is doubt as to whether a release has been made in an area before, or if it is possible that agents have naturally distributed themselves into an area, monitoring of the weed stand should be conducted before a new release is made. Biological control releases can fail at a given site during establishment for various reasons. New releases should therefore be monitored for establishment within 1-2 years to determine if a supplementary release is necessary.

[Source: Field Guide to the Biological Control of Weeds in British Columbia, <http://www.for.gov.bc.ca/hfd/pubs/Docs/Lmh/Lmh27-3.pdf>]

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ADULTS PRESENT IND		N	VARCHAR2	1	
AGENT DESTROYED IND		N	VARCHAR2	1	
* BIOLOGICAL MONITORING ID		N	NUMBER	10	
ENTRY TIMESTAMP		N	DATE		
ENTRY USERID		N	VARCHAR2	30	
FOLIAR FEEDING DAMAGE IND		N	VARCHAR2	1	
INSPECTION DATE		N	DATE		
LARVAE PRESENT IND		N	VARCHAR2	1	
LEGACY PRESENCE IND		N	VARCHAR2	1	
OVIPOSITION MARKS IND		N	VARCHAR2	1	
PUPAE PRESENT IND		N	VARCHAR2	1	
REVISION COUNT		N	NUMBER	10	,0
ROOT FEEDING DAMAGE IND		N	VARCHAR2	1	
SEED FEEDING DAMAGE IND		N	VARCHAR2	1	
TUNNELS PRESENT IND		N	VARCHAR2		

Entity Definition

Container: IAPP Version:

				1
UPDATE TIMESTAMP	N	DATE		
UPDATE USERID	N	VARCHAR2	30	
UTM EASTING	N	NUMBER	6	
UTM NORTHING	N	NUMBER	7	
UTM ZONE	N	NUMBER	2	
AGENT COUNT	Y	NUMBER	4	
COMMENTS	Y	VARCHAR2	2000	
COUNT DURATION	Y	NUMBER	4	
PAPER FILE ID	Y	VARCHAR2	20	
PLANT COUNT	Y	NUMBER	4	

Relationships * - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE	inspected by one or more	BIOLOGICAL MONITORING SURVEYOR
MAY BE	plotted by one or more	BIOLOGICAL AGENT SPREAD
MAY BE	spatially defined by one and only one	IAPP MONITORING POLY
MUST BE	assessing one and only one	BIOLOGICAL TREATMENT
MUST BE	overseen by one and only one	INVASIVE PLANT AGENCY CODE

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
BM	Yes	BIOLOGICAL MONITORING ID		

Entity Definition

Container: IAPP Version:

Entity

Name : BIOLOGICAL MONITORING SURVEYOR
 Short Name : BMS
 Plural Name : BIOLOGICAL MONITORING SURVEYOR

Description

The IAPP participants that acted as surveyors for a particular Biological Control Monitoring.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ENTRY TIMESTAMP		N	DATE		
ENTRY USERID		N	VARCHAR2	30	
UPDATE TIMESTAMP		N	DATE		
UPDATE USERID		N	VARCHAR2	30	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

* MUST BE	inspecting one and only one	BIOLOGICAL MONITORING
* MUST BE	task for one and only one	IAPP PARTICIPANT

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
MS	Yes		inspecting	BIOLOGICAL MONITORING
			task for	IAPP PARTICIPANT

Entity Definition

Container: IAPP Version:

Entity

Name : BIOLOGICAL TREATMENT
 Short Name : BT
 Plural Name : BIOLOGICAL TREATMENT
 Sub-type of : INVASIVE PLANT TREATMENT

Description

An application of a biological control. Biological control is the use of a weed's natural enemies (chiefly insects and pathogens) to reduce its population below a desired level. It can be divided into the following two approaches: inundative and classical. Inundative biological control uses mass application of an organism to attempt to eliminate a weed from an area. Like all such methods, it does not deal with the residual seed bank in the soil or prevent the weed from establishing from another source at a later date. Classical biological control uses the weed's natural enemies to establish a long-term balance between the biological control organism and the weed. [Source: Integrated Pest Management, <http://www.for.gov.bc.ca/hfp/noxious/integrat.htm>]

Attributes

* - Attributes in primary unique identifier

	<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
*	BIOLOGICAL TREATMENT ID		N	NUMBER	10	
	RELEASE QUANTITY		N	NUMBER	6	
	RELEASE TIME		N	DATE		
	STAGE ADULT IND		N	VARCHAR2	1	
	STAGE EGG IND		N	VARCHAR2	1	
	STAGE LARVA IND		N	VARCHAR2	1	
	STAGE OTHER IND		N	VARCHAR2	1	
	STAGE PUPA IND		N	VARCHAR2	1	
	UTM EASTING		N	NUMBER	6	
	UTM NORTHING		N	NUMBER	7	
	UTM ZONE		N	NUMBER	2	
	BIOAGENT SOURCE		Y	VARCHAR2	100	
	COLLECTION DATE		Y	DATE		

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE	applicable to one and only one	AREA CLASSIFICATION CODE
MAY BE	assessed by one or more	BIOLOGICAL MONITORING

Entity Definition

Container: IAPP Version:

MAY BE justified by one or more

BIOLOGICAL AGENT
EXCEPTION

MUST BE prescribing one and only one

BIOLOGICAL AGENT
CODEUnique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
BT2	Yes	BIOLOGICAL TREATMENT ID		

Entity Definition

Container: IAPP Version:

Entity

Name : CHEMICAL METHOD CODE
Short Name : CMCD
Plural Name : CHEMICAL METHOD CODE

Description

Indicates the application method for the herbicide. Examples: Boomless Nozzle, Fixed Boom.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
* CHEMICAL METHOD CODE		N	VARCHAR2	3	
DESCRIPTION		N	VARCHAR2	120	
EFFECTIVE DATE		N	DATE		
EXPIRY DATE		N	DATE		
UPDATE TIMESTAMP		N	DATE		

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE delivering one or more CHEMICAL TREATMENT

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
CMCD	Yes	CHEMICAL METHOD CODE		

Entity Definition

Container: IAPP Version:

Entity

Name : CHEMICAL TREATMENT
 Short Name : CT
 Plural Name : CHEMICAL TREATMENT
 Sub-type of : INVASIVE PLANT TREATMENT

Description

An application of a herbicide. Various herbicides are used for spot treatments of weeds in British Columbia. The herbicide selected should depend on the target weed species and environmental factors. Application rate will be dictated by the size and accessibility of the infestation, its proximity to wells and other water, and the potential impacts of the application on non-target vegetation. Some herbicides have residual effects and persist in the soil in an active state for some time after application. Other herbicides become inactive once they contact soil. The residual activity of a herbicide varies with rate of application, soil properties, and climate, and its impact on non-target vegetation should be carefully considered. [Source: Integrated Pest Management, <http://www.for.gov.bc.ca/hfp/noxious/integrat.htm>]

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
AMOUNT USED		N	NUMBER	10	,5
APPLICATION RATE		N	NUMBER	10	,2
APPLICATION TIME		N	DATE		
AREA TREATED		N	NUMBER	15	,4
* CHEMICAL TREATMENT ID		N	NUMBER	10	
TEMPERATURE		N	NUMBER	2	
WIND VELOCITY		N	NUMBER	3	
DELIVERY RATE		Y	NUMBER	10	,0
DILUTION RATE		Y	NUMBER	10	,4
HUMIDITY		Y	NUMBER	3	
WIND DIRECTION		Y	NUMBER	3	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MUST BE	delivered by one and only one	CHEMICAL METHOD CODE
MUST BE	requisitioning one and only one	HERBICIDE CODE

Entity Definition

Container: IAPP Version:

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
CT	Yes	CHEMICAL TREATMENT ID		

Entity Definition

Container: IAPP Version:

Entity

Name : CLIENT LOCATION
 Short Name : FCL
 Plural Name : CLIENT LOCATION

Description

The description and the details of the address(es) at which a client operates. Its main purpose is to provide alternate mailing addresses. Maximum number of locations per client is 99. The average is 2 per client. Location 00 is always the client.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
* CLIENT LOCN CODE		N	VARCHAR2	2	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE	mapped to one and only one	IAPP AGENCY FOREST CLIENT
* MUST BE	houses one and only one	FOREST CLIENT

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
FCL	Yes	CLIENT LOCN CODE		
			houses	FOREST CLIENT

Entity Definition

Container: IAPP Version:

Entity

Name : DISPERSAL SURVEYOR

Short Name : DS

Plural Name : DISPERSAL SURVEYOR

Description

The IAPP participants that acted as surveyors for a particular Biological Dispersal.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ENTRY TIMESTAMP		N	DATE		
ENTRY USERID		N	VARCHAR2	30	
UPDATE TIMESTAMP		N	DATE		
UPDATE USERID		N	VARCHAR2	30	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

*	MUST BE	detecting one and only one	BIOLOGICAL DISPERSAL
*	MUST BE	task for one and only one	IAPP PARTICIPANT

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
DS	Yes		detecting	BIOLOGICAL DISPERSAL
			task for	IAPP PARTICIPANT

Entity Definition

Container: IAPP Version:

Entity

Name : FOREST CLIENT

Short Name : FC

Plural Name : FOREST CLIENT

Description

Any company or individual who is dealing, has dealt or plans to deal with the Ministry. This is effectively the name and address list for the Ministry.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
* CLIENT NUMBER		N	VARCHAR2	8	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE operates from one or more CLIENT LOCATION

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
FC	Yes	CLIENT NUMBER		

Entity Definition

Container: IAPP Version:

Entity

Name : HERBICIDE CODE
 Short Name : HC
 Plural Name : HERBICIDE CODE

Description

Identifies a herbicide - a pesticide used to kill plants and control vegetation.
 Examples: Tordon 22K, Round-up. [Source: Integrated Pest Management Manual for
 Landscape Pests in British Columbia,
<http://wlapwww.gov.bc.ca/epd/epdpa/eripm/landspdf/glosary.pdf>].

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
DESCRIPTION		N	VARCHAR2	120	
EFFECTIVE DATE		N	DATE		
EXPIRY DATE		N	DATE		
* HERBICIDE CODE		N	VARCHAR2	1	
UPDATE TIMESTAMP		N	DATE		

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE	chemical for one or more	CHEMICAL TREATMENT
MAY BE	chemical for one or more	PROPOSED IAPP ACTIVITY

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
HC2	Yes	HERBICIDE CODE		

Entity Definition

Container: IAPP Version:

Entity

Name : IAPP ACTIVITY CODE

Short Name : AC

Plural Name : IAPP ACTIVITY CODE

Description

Identifies an activity conducted on invasive alien plants. Examples: Chemical Treatment, Biological Monitoring.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
DESCRIPTION		N	VARCHAR2	120	
EFFECTIVE DATE		N	DATE		
EXPIRY DATE		N	DATE		
* IAPP ACTIVITY CODE		N	VARCHAR2	2	
UPDATE TIMESTAMP		N	DATE		

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE	recommendation for one or more	PROPOSED IAPP ACTIVITY
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Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
AC2	Yes	IAPP ACTIVITY CODE		

Entity Definition

Container: IAPP Version:

Entity

Name : IAPP AGENCY FOREST CLIENT
 Short Name : IAFC
 Plural Name : IAPP AGENCY FOREST CLIENT

Description

Maps each INVASIVE_PLANT_AGENCY_CODE to a single FOREST_CLIENT for the purposes of providing agency level security. The WebADE getUsersClientLocations call will return all Clients that a user is associated with. The application will use this mapping to determine which agencies the user can act upon based on the Clients he/she is associated with.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ENTRY_TIMESTAMP		N	DATE		
ENTRY_USERID		N	VARCHAR2	30	
UPDATE_TIMESTAMP		N	DATE		
UPDATE_USERID		N	VARCHAR2	30	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MUST BE	mapping for one and only one	CLIENT LOCATION
* MUST BE	mapping for one and only one	INVASIVE PLANT AGENCY CODE

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
IAFC	Yes		mapping for	INVASIVE PLANT AGENCY CODE

Entity Definition

Container: IAPP Version:

Entity

Name : IAPP DISPERSAL CLOUDED POLY
 Short Name : IDCP
 Plural Name : IAPP DISPERSAL CLOUDED POLY

Description

Abstracted polygon geometry for a biological dispersal. If the actual polygon has less than a predetermined area, an algorithm is applied to first randomize the location of the polygon if it represents a point and then apply a variable buffer to the polygon to produce the clouded polygon. The clouded polygon is larger than the actual polygon if the actual polygon is not larger than the predetermined area; otherwise the clouded polygon is a copy of the actual polygon. The actual polygon has two possible sources: it is generated by buffering the point described by the UTM Coordinate; it is captured through digitized geometry that is loaded from external sources.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ENTRY_TIMESTAMP		N	DATE		
ENTRY_USERID		N	VARCHAR2	30	
FEATURE_AREA		N	NUMBER		
FEATURE_LENGTH		N	NUMBER		
FEATURE_CODE		N	VARCHAR2	10	
GEOMETRY	GEOMETRIES	N	CHAR		
UPDATE_TIMESTAMP		N	DATE		
UPDATE_USERID		N	VARCHAR2	30	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

* MUST BE abstraction for one and only one IAPP DISPERSAL POLY

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
IDCP	Yes		abstraction for	IAPP DISPERSAL POLY

Entity Definition

Container: IAPP Version:

Entity

Name : IAPP DISPERSAL POLY
 Short Name : IDP
 Plural Name : IAPP DISPERSAL POLY

Description

Polygon geometry for a biological dispersal. The polygon has two possible sources: it is generated by buffering the point described by the biological dispersal UTM Coordinate; it is captured through digitized geometry that is loaded from external sources.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
* DISPERSAL POLY ID		N	NUMBER	38	
ENTRY TIMESTAMP		N	DATE		
ENTRY USERID		N	VARCHAR2	30	
FEATURE AREA		N	NUMBER		
FEATURE LENGTH		N	NUMBER		
FEATURE_CODE		N	VARCHAR2	10	
GEOMETRY	GEOMETRIES	N	CHAR		
GEOMETRY GENERATED IND		N	VARCHAR2	1	
REVISION COUNT		N	NUMBER	10	,0
UPDATE TIMESTAMP		N	DATE		
UPDATE USERID		N	VARCHAR2	30	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MUST BE	abstracted by one and only one	IAPP DISPERSAL CLOUDED POLY
MUST BE	spatial data for one and only one	BIOLOGICAL DISPERSAL

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
IDP	Yes	DISPERSAL POLY ID		

Entity Definition

Container: IAPP Version:

Entity

Name : IAPP EMPLOYER
 Short Name : IE
 Plural Name : IAPP EMPLOYER

Description

The employer for participants in Invasive Alien Plant Program activities. May also be an independent contractor.

Attributes

* - Attributes in primary unique identifier

	<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
*	EMPLOYER ID		N	NUMBER	10	
	ENTRY TIMESTAMP		N	DATE		
	ENTRY USERID		N	VARCHAR2	30	
	NAME		N	VARCHAR2	50	
	REVISION COUNT		N	NUMBER	10	,0
	UPDATE TIMESTAMP		N	DATE		
	UPDATE USERID		N	VARCHAR2	30	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE	employer for one or more	INVASIVE PLANT SURVEY
MAY BE	employer for one or more	INVASIVE PLANT TREATMENT

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
IE	Yes	EMPLOYER ID		
IE_N	No	NAME		

Entity Definition

Container: IAPP Version:

Entity

Name : IAPP IMAGE

Short Name : IIMG

Plural Name : IAPP IMAGE

Description

A photograph, sketch, or other image from the site.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ENTRY TIMESTAMP		N	DATE		
ENTRY USERID		N	VARCHAR2	30	
IMAGE		N	IMAGE		
IMAGE DATE		N	DATE		
* IMAGE ID		N	NUMBER	10	
REFERENCE NO		N	VARCHAR2	20	
REVISION COUNT		N	NUMBER	10	,0
UPDATE TIMESTAMP		N	DATE		
UPDATE USERID		N	VARCHAR2	30	
COMMENTS		Y	VARCHAR2	2000	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE	depicting one and only one	INVASIVE PLANT SITE
or MAY BE	depicting one and only one	INVASIVE PLANT TREATMENT
MAY BE	orientated by one and only one	PERSPECTIVE CODE
MUST BE	provided by one and only one	INVASIVE PLANT AGENCY CODE

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
II	Yes	IMAGE ID		

Entity Definition

Container: IAPP Version:

Entity

Name : IAPP MONITORING CLOUDED POLY
 Short Name : IMCP
 Plural Name : IAPP MONITORING CLOUDED POLY

Description

Abstracted polygon geometry for a biological monitoring activity. If the actual polygon has less than a predetermined area, an algorithm is applied to first randomize the location of the polygon if it represents a point and then apply a variable buffer to the polygon to produce the clouded polygon. The clouded polygon is larger than the actual polygon if the actual polygon is not larger than the predetermined area; otherwise the clouded polygon is a copy of the actual polygon. The actual polygon has two possible sources: it is generated by buffering the point described by the UTM Coordinate; it is captured through digitized geometry that is loaded from external sources.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ENTRY_TIMESTAMP		N	DATE		
ENTRY_USERID		N	VARCHAR2	30	
FEATURE_AREA		N	NUMBER		
FEATURE_LENGTH		N	NUMBER		
FEATURE_CODE		N	VARCHAR2	10	
GEOMETRY	GEOMETRIES	N	CHAR		
UPDATE_TIMESTAMP		N	DATE		
UPDATE_USERID		N	VARCHAR2	30	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

* MUST BE abstraction for one and only one IAPP MONITORING POLY

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
IMCP	Yes		abstraction for	IAPP MONITORING POLY

Entity Definition

Container: IAPP Version:

Entity

Name : IAPP MONITORING POLY
 Short Name : IMP
 Plural Name : IAPP MONITORING POLY

Description

Polygon geometry for a biological monitoring activity. The polygon has two possible sources: it is generated by buffering the point described by the UTM Coordinate; it is captured through digitized geometry that is loaded from external sources.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ENTRY_TIMESTAMP		N	DATE		
ENTRY_USERID		N	VARCHAR2	30	
FEATURE_AREA		N	NUMBER		
FEATURE_LENGTH		N	NUMBER		
FEATURE_CODE		N	VARCHAR2	10	
GEOMETRY	GEOMETRIES	N	CHAR		
GEOMETRY GENERATED IND		N	VARCHAR2	1	
* MONITORING POLY ID		N	NUMBER	38	
REVISION COUNT		N	NUMBER	10	,0
UPDATE_TIMESTAMP		N	DATE		
UPDATE_USERID		N	VARCHAR2	30	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MUST BE	abstracted by one and only one	IAPP MONITORING CLOUDED POLY
MUST BE	spatial data for one and only one	BIOLOGICAL MONITORING

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
IMP	Yes	MONITORING POLY ID		

Entity Definition

Container: IAPP Version:

Entity

Name : IAPP PARTICIPANT

Short Name : PART

Plural Name : IAPP PARTICIPANT

Description

A participant in the Invasive Alien Plant Program. Can be a surveyor of plants, dispersals and control monitorings or an applicator of a control.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ENTRY TIMESTAMP		N	DATE		
ENTRY USERID		N	VARCHAR2	30	
FIRST NAME		N	VARCHAR2	50	
LAST NAME		N	VARCHAR2	50	
* PARTICIPANT ID		N	NUMBER	10	
REVISION COUNT		N	NUMBER	10	,0
UPDATE TIMESTAMP		N	DATE		
UPDATE USERID		N	VARCHAR2	30	
MIDDLE INITIAL		Y	VARCHAR2	1	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE	participating as one or more	BIOLOGICAL MONITORING SURVEYOR
MAY BE	participating as one or more	DISPERSAL SURVEYOR
MAY BE	participating as one or more	INVASIVE PLANT SURVEYOR
MAY BE	participating as one or more	TREATMENT APPLICATOR

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
PART2	Yes	PARTICIPANT ID		
PP_N	No	FIRST NAME LAST NAME MIDDLE INITIAL		

Entity Definition

Container: IAPP Version:

Entity

Name : IAPP SITE CLOUDED POLY
 Short Name : ISCP
 Plural Name : IAPP SITE CLOUDED POLY

Description

Abstracted polygon geometry for an Invasive Alien Plant site. If the actual polygon has less than a predetermined area, an algorithm is applied to first randomize the location of the polygon if it represents a point small and then apply a variable buffer to the polygon to produce the clouded polygon. The clouded polygon is larger than the actual polygon if the actual polygon is not larger than the predetermined area; otherwise the clouded polygon is a copy of the actual polygon. The actual polygon has two possible sources: it is generated by buffering the point described by the Site UTM Coordinate; it is captured through digitized geometry that is loaded from external sources.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ENTRY_TIMESTAMP		N	DATE		
ENTRY_USERID		N	VARCHAR2	30	
FEATURE_AREA		N	NUMBER		
FEATURE_LENGTH		N	NUMBER		
FEATURE_CODE		N	VARCHAR2	10	
GEOMETRY	GEOMETRIES	N	CHAR		
UPDATE_TIMESTAMP		N	DATE		
UPDATE_USERID		N	VARCHAR2	30	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

* MUST BE abstraction for one and only one IAPP SITE POLY

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
ISCP	Yes		abstraction for	IAPP SITE POLY

Entity Definition

Container: IAPP Version:

Entity

Name : IAPP SITE POLY
Short Name : SPOL
Plural Name : IAPP SITE POLY

Description

Polygon geometry for a site. A site may have many polygons, each representing the site at a point in time. Each time new spatial data is submitted for a site the previous version will be flagged as retired but will remain in the database for historical purposes. Only one (non-retired) polygon for each site will represent the current extent of the site. The polygons represent the boundary of an Invasive Alien Plant site. This is often defined by the extent of the invasive plant on the site, if only one exists, but not always. The polygon has two possible sources: it is generated by buffering the point described by the Site UTM Coordinate; it is captured through digitized geometry that is loaded from external sources.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ENTRY_TIMESTAMP		N	DATE		
ENTRY_USERID		N	VARCHAR2	30	
FEATURE_AREA		N	NUMBER		
FEATURE_LENGTH		N	NUMBER		
FEATURE_CODE		N	VARCHAR2	10	
GEOMETRY	GEOMETRIES	N	CHAR		
GEOMETRY_GENERATED_IND		N	VARCHAR2	1	
REVISION_COUNT		N	NUMBER	10	,0
* SITE_POLY_ID		N	NUMBER	38	
UPDATE_TIMESTAMP		N	DATE		
UPDATE_USERID		N	VARCHAR2	30	
RETIREMENT_DATE		Y	DATE		

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MUST BE	abstracted by one and only one	IAPP SITE CLOUDED POLY
MUST BE	spatial data for one and only one	INVASIVE PLANT SITE

Entity Definition

Container: IAPP Version:

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
SPOL	Yes	SITE POLY ID		

Entity Definition

Container: IAPP Version:

Entity

Name : IAPP SITE PRIORITY CODE

Short Name : SRC

Plural Name : IAPP SITE PRIORITY CODE

Description

A description of the site's priority level for treatment depending on the level of risk associated with the invasive plant on that site at the time. Range is 1 (High Priority/Risk) to 4 (Other)

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
DESCRIPTION		N	VARCHAR2	120	
EFFECTIVE DATE		N	DATE		
EXPIRY DATE		N	DATE		
UPDATE TIMESTAMP		N	DATE		
* IAPP SITE PRIORITY CODE		Y	VARCHAR2	1	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE priority for one or more INVASIVE PLANT PLAN

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
SRC2	Yes	IAPP SITE PRIORITY CODE		

Entity Definition

Container: IAPP Version:

Entity

Name : IAPP TREATMENT CLOUDED POLY
 Short Name : ITCP
 Plural Name : IAPP TREATMENT CLOUDED POLY

Description

Abstracted polygon geometry for a Treatment. If the actual polygon has less than a predetermined area, an algorithm is applied to first randomize the location of the polygon if it represents a point and then apply a variable buffer to the polygon to produce the clouded polygon. The clouded polygon is larger than the actual polygon if the actual polygon is not larger than the predetermined area; otherwise the clouded polygon is a copy of the actual polygon. The actual polygon has two possible sources: it is generated by buffering the point described by the Biological Treatment UTM Coordinate; it is captured through digitized geometry that is loaded from external sources. Mechanical and Chemical Treatments will not have generated geometry, as they do not have UTM coordinates.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ENTRY_TIMESTAMP		N	DATE		
ENTRY_USERID		N	VARCHAR2	30	
FEATURE_AREA		N	NUMBER		
FEATURE_LENGTH		N	NUMBER		
FEATURE_CODE		N	VARCHAR2	10	
GEOMETRY	GEOMETRIES	N	CHAR		
UPDATE_TIMESTAMP		N	DATE		
UPDATE_USERID		N	VARCHAR2	30	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

* MUST BE abstraction for one and only one IAPP TREATMENT POLY

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
ITCP	Yes		abstraction for	IAPP TREATMENT POLY

Entity Definition

Container: IAPP Version:

Entity

Name : IAPP TREATMENT POLY
 Short Name : ITP
 Plural Name : IAPP TREATMENT POLY

Description

Polygon geometry for a treatment. The polygon has two possible sources: it is generated by buffering the point described by the Biological Treatment UTM Coordinate; it is captured through digitized geometry that is loaded from external sources. Mechanical and Chemical Treatments will not have generated geometry, as they do not have UTM coordinates.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ENTRY_TIMESTAMP		N	DATE		
ENTRY_USERID		N	VARCHAR2	30	
FEATURE_AREA		N	NUMBER		
FEATURE_LENGTH		N	NUMBER		
FEATURE_CODE		N	VARCHAR2	10	
GEOMETRY	GEOMETRIES	N	CHAR		
GEOMETRY GENERATED IND		N	VARCHAR2	1	
REVISION COUNT		N	NUMBER	10	,0
* TREATMENT POLY ID		N	NUMBER	38	
UPDATE_TIMESTAMP		N	DATE		
UPDATE_USERID		N	VARCHAR2	30	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MUST BE	abstracted by one and only one	IAPP TREATMENT CLOUDED POLY
MUST BE	spatial data for one and only one	INVASIVE PLANT TREATMENT

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
ITP	Yes	TREATMENT POLY ID		

Entity Definition

Container: IAPP Version:

Entity

Name : INVASIVE PLANT
 Short Name : IP
 Plural Name : INVASIVE PLANT

Description

Invasive plants (also commonly referred to as "weeds") are typically non-native plants that have found their way into British Columbia without the insect predators and/or plant pathogens that help keep them in check in their native habitats. Noxious weeds are weeds that have been designated as noxious by the Ministry of Agriculture and Food's Weed Act. Weeds often exhibit aggressive growth and typically out-compete native plant species in new habitats. As a result, weeds are difficult to control and can adversely affect BC's natural resources. [Source: Invasive Plant Program Home Page, <http://www.for.gov.bc.ca/hfp/noxious/index.htm>]

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ENTRY TIMESTAMP		N	DATE		
ENTRY USERID		N	VARCHAR2	30	
* INVASIVE PLANT ID		N	NUMBER	10	
REVISION COUNT		N	NUMBER	10	,0
UPDATE TIMESTAMP		N	DATE		
UPDATE USERID		N	VARCHAR2	30	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE	targeted by one or more	BIOLOGICAL DISPERSAL
MAY BE	treated according to one or more	INVASIVE PLANT PLAN
MAY BE	treated by one or more	INVASIVE PLANT TREATMENT
MUST BE	infesting one and only one	INVASIVE PLANT SITE
MUST BE	inventoried by one or more	INVASIVE PLANT SURVEY
MUST BE	of species one and only one	INVASIVE PLANT SPECIES

Entity Definition

Container: IAPP Version:

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
IP2	Yes	INVASIVE PLANT ID		
IPSS	No		infesting of species	INVASIVE PLANT SITE INVASIVE PLANT SPECIES

Entity Definition

Container: IAPP Version:

Entity

Name : INVASIVE PLANT AGENCY CODE
 Short Name : IPAC
 Plural Name : INVASIVE PLANT AGENCY CODE

Description

The Agency that oversees a particular activity concerning the Invasive Alien Plant Program. It is the originating agency that data belongs to or the agency that funded the activity.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
DESCRIPTION		N	VARCHAR2	120	
EFFECTIVE DATE		N	DATE		
EXPIRY DATE		N	DATE		
* INVASIVE PLANT AGENCY CODE		N	VARCHAR2	4	
UPDATE TIMESTAMP		N	DATE		

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE	approving one or more	INVASIVE PLANT PLAN
MAY BE	mapped to one and only one	IAPP AGENCY FOREST CLIENT
MAY BE	overseeing one or more	BIOLOGICAL DISPERSAL
MAY BE	overseeing one or more	BIOLOGICAL MONITORING
MAY BE	overseeing one or more	INVASIVE PLANT SURVEY
MAY BE	overseeing one or more	INVASIVE PLANT TREATMENT
MAY BE	providing one or more	IAPP IMAGE
MAY BE	recording one or more	BIOLOGICAL AGENT EXCEPTION

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
IPAC	Yes	INVASIVE PLANT AGENCY CODE		

Entity Definition

Container: IAPP Version:

Entity

Name : INVASIVE PLANT DENSITY CODE
 Short Name : IPDN
 Plural Name : INVASIVE PLANT DENSITY CODE

Description

Indicates the number of plants per square metre. Examples: 2-5 plants/m2, 6-10 plants/m2.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
DESCRIPTION		N	VARCHAR2	120	
EFFECTIVE DATE		N	DATE		
EXPIRY DATE		N	DATE		
* INVASIVE PLANT DENSITY CODE		N	VARCHAR2	1	
UPDATE TIMESTAMP		N	DATE		

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE	density for one or more	INVASIVE PLANT SURVEY
--------	-------------------------	-----------------------

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
IPDN	Yes	INVASIVE PLANT DENSITY CODE		

Entity Definition

Container: IAPP Version:

Entity

Name : INVASIVE PLANT DISTRIB CODE
 Short Name : IPDB
 Plural Name : INVASIVE PLANT DISTRIB CODE

Description

Identifies the geographic distribution of individuals of each species. Example: several well-spaced patches or clumps. [Source: Vegetation Description Form, <http://srmwww.gov.bc.ca/risc/pubs/teecolo/habitat/chap-4-05.html>]

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
DESCRIPTION		N	VARCHAR2	120	
EFFECTIVE DATE		N	DATE		
EXPIRY DATE		N	DATE		
* INVASIVE PLANT DISTRIB CODE		N	VARCHAR2	1	
UPDATE TIMESTAMP		N	DATE		

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE spatial pattern for one or more INVASIVE PLANT
SURVEY

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
IPDB	Yes	INVASIVE PLANT DISTRIB CODE		

Entity Definition

Container: IAPP Version:

Entity

Name : INVASIVE PLANT LEGACY SITE

Short Name : ILS

Plural Name : INVASIVE PLANT LEGACY SITE

Description

Site fields from the original Microsoft Access implementation of IAPP that are no longer used.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
BIO CONTROL IND		N	VARCHAR2	1	
BIO FLAG IND		N	VARCHAR2	1	
ENTRY TIMESTAMP		N	DATE		
ENTRY USERID		N	VARCHAR2	30	
INCLUDE IN REPORTS IND		N	VARCHAR2	1	
SITE NO		N	NUMBER	10	
SPATIAL DATA PRESENT IND		N	VARCHAR2	1	
UPDATE TIMESTAMP		N	DATE		
UPDATE USERID		N	VARCHAR2	30	
DATASET		Y	VARCHAR2	300	
GIS KEY		Y	VARCHAR2	20	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

* MUST BE legacy data for one and only one INVASIVE PLANT SITE

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
ILS	Yes		legacy data for	INVASIVE PLANT SITE

Entity Definition

Container: IAPP Version:

Entity

Name : INVASIVE PLANT PLAN
 Short Name : IPP
 Plural Name : INVASIVE PLANT PLAN

Description

A plan for controlling invasive alien plants based on knowledge of potential damage, cost of control method and environmental impact of the weed and control decision. May include a combination of methods to reduce the weed population to an acceptable level. [Source: Integrated Weed Management: An Introductory Manual, <http://www.agf.gov.bc.ca/cropprot/weedman.htm>]

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ENTRY TIMESTAMP		N	DATE		
ENTRY USERID		N	VARCHAR2	30	
PLAN DATE		N	DATE		
* PLAN ID		N	NUMBER	10	
REVISION COUNT		N	NUMBER	10	,0
UPDATE TIMESTAMP		N	DATE		
UPDATE USERID		N	VARCHAR2	30	
COMMENTS		Y	VARCHAR2	2000	
PROPOSED ACTIVITY DATE		Y	DATE		

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE	plans one or more	PROPOSED IAPP ACTIVITY
MAY BE	ranked by one and only one	IAPP SITE PRIORITY CODE
MUST BE	approved by one and only one	INVASIVE PLANT AGENCY CODE
MUST BE	scheduled for one and only one	INVASIVE PLANT

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
IPP	Yes	PLAN ID		

Entity Definition

Container: IAPP Version:

Entity

Name : INVASIVE PLANT SITE
 Short Name : ISIT
 Plural Name : INVASIVE PLANT SITE

Description

An area with confirmed ground sightings of invasive alien plants. Within this inventory area, all roads accessible by a four-wheel drive vehicle that cross potential habitat will be checked for occurrences of invasive plants. Plants on both sides of the road will be identified as far as can be seen from the road, or as defined for specific inventory projects. In addition, all major disturbances including but not limited to landings, log sort yards, burned areas, gravel pits, air strips, landfills, parking lots, construction or maintenance sites and recreational sites and trails within the potential habitat will be checked.

[Source: IAPP Inventory Standards - Interim for 2004,
<http://www.for.gov.bc.ca/hcp/fia/landbase/MoFIPPIInventoryStandards.pdf>]

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ENTRY TIMESTAMP		N	DATE		
ENTRY USERID		N	VARCHAR2	30	
MAPSHEET		N	VARCHAR2	7	
REVISION COUNT		N	NUMBER	10	,0
SENSITIVE DATA IND		N	VARCHAR2	1	
SITE CREATED DATE		N	DATE		
* SITE ID		N	NUMBER	10	
UPDATE TIMESTAMP		N	DATE		
UPDATE USERID		N	VARCHAR2	30	
UTM EASTING		N	NUMBER	6	
UTM NORTHING		N	NUMBER	7	
UTM ZONE		N	NUMBER	2	
ASPECT		Y	NUMBER	3	
BEC CODE ID		Y	NUMBER	5	
BEC SITE SERIES CD		Y	VARCHAR2	2	
BEC VALIDATION DATE		Y	DATE		
BGC SUBZONE CODE		Y	VARCHAR2	3	
BGC ZONE CODE		Y	VARCHAR2	4	
COMMENTS		Y	VARCHAR2	2000	

Entity Definition

Container: IAPP Version:

ELEVATION	Y	NUMBER	5
LAND OWNER	Y	VARCHAR2	100
LAND OWNER TELEPHONE NO	Y	NUMBER	10
LOCAL CONTACT	Y	VARCHAR2	100
LOCAL CONTACT TELEPHONE NO	Y	NUMBER	10
LOCATION	Y	VARCHAR2	2000
PAPER FILE ID	Y	VARCHAR2	20
PHASE	Y	VARCHAR2	1
SLOPE	Y	NUMBER	3
VARIANT	Y	VARCHAR2	1

Relationships * - Relationships in primary unique identifier
Each Occurrence Of This Entity :

MAY BE	assigned to one and only one	ORG UNIT
MAY BE	controlled by one and only one	JURISDICTION CODE
MAY BE	infested by one or more	INVASIVE PLANT
MAY BE	spatially defined by one or more	IAPP SITE POLY
MAY BE	supplemented by one and only one	INVASIVE PLANT LEGACY SITE
MAY BE	visually recorded by one or more	IAPP IMAGE
MAY BE	within one and only one	RANGE UNIT

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
IS	Yes	SITE ID		

Entity Definition

Container: IAPP Version:

Entity

Name : INVASIVE PLANT SPECIES

Short Name : IPS

Plural Name : INVASIVE PLANT SPECIES

Description

Identifies the species of an invasive alien plant. Examples: Abutilon theophrasti (Velvet leaf), Madia glomerata (Cluster tarweed), Tribulus terrestris (Puncturevine).

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
COMMON NAME		N	VARCHAR2	100	
ENTRY TIMESTAMP		N	DATE		
ENTRY USERID		N	VARCHAR2	30	
* GENUS CODE		N	VARCHAR2	4	
LATIN NAME		N	VARCHAR2	100	
MAP SYMBOL		N	VARCHAR2	2	
* SPECIES CODE		N	VARCHAR2	3	
UPDATE TIMESTAMP		N	DATE		
UPDATE USERID		N	VARCHAR2	30	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE	species of one or more	BIOLOGICAL AGENT EXCEPTION
MAY BE	species of one or more	BIOLOGICAL AGENT MATURITY
MAY BE	species of one or more	INVASIVE PLANT

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
IPGS	Yes	GENUS CODE SPECIES CODE		
IPS	No	MAP SYMBOL		

Entity Definition

Container: IAPP Version:

Entity

Name : INVASIVE PLANT SURVEY
 Short Name : SRVY
 Plural Name : INVASIVE PLANT SURVEY

Description

An historical record of all surveys done regarding a particular species of invasive plant on the site. Provides a chronological recording of the change in distribution and density of invasive plants on the site.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ENTRY TIMESTAMP		N	DATE		
ENTRY USERID		N	VARCHAR2	30	
ESTIMATED AREA		N	NUMBER	15	,4
FOUND IND		N	VARCHAR2	1	
PRECISE SURVEY IND		N	VARCHAR2	1	
REVISION COUNT		N	NUMBER	10	,0
SURVEY DATE		N	DATE		
* SURVEY ID		N	NUMBER	10	
UPDATE TIMESTAMP		N	DATE		
UPDATE USERID		N	VARCHAR2	30	
COMMENTS		Y	VARCHAR2	2000	
PAPER FILE ID		Y	VARCHAR2	20	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE	having density of one and only one	INVASIVE PLANT DENSITY CODE
MAY BE	having distribution of one and only one	INVASIVE PLANT DISTRIB CODE
MAY BE	recommends one or more	PROPOSED IAPP ACTIVITY
MAY BE	staffed by one and only one	IAPP EMPLOYER
MAY BE	surveyed by one or more	INVASIVE PLANT SURVEYOR
MUST BE	inventorying one and only one	INVASIVE PLANT
MUST BE	overseen by one and only one	INVASIVE PLANT AGENCY CODE

Entity Definition

Container: IAPP Version:

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
SRVY	Yes	SURVEY ID		

Entity Definition

Container: IAPP Version:

Entity

Name : INVASIVE PLANT SURVEYOR
 Short Name : IPSV
 Plural Name : INVASIVE PLANT SURVEYOR

Description

The IAPP participants that acted as surveyors for a particular Invasive Plant Survey.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ENTRY TIMESTAMP		N	DATE		
ENTRY USERID		N	VARCHAR2	30	
UPDATE TIMESTAMP		N	DATE		
UPDATE USERID		N	VARCHAR2	30	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

* MUST BE	surveying one and only one	INVASIVE PLANT SURVEY
* MUST BE	task for one and only one	IAPP PARTICIPANT

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
IPSV	Yes		surveying	INVASIVE PLANT SURVEY
			task for	IAPP PARTICIPANT

Entity Definition

Container: IAPP Version:

Entity

Name : INVASIVE PLANT TREATMENT
 Short Name : IPT
 Plural Name : INVASIVE PLANT TREATMENT

Description

Application of a technique for eliminating or reducing the presence of invasive alien plants. Controls are categorized as being mechanical/cultural, chemical, or biological.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ENTRY TIMESTAMP		N	DATE		
ENTRY USERID		N	VARCHAR2	30	
REVISION COUNT		N	NUMBER	10	,0
TREATMENT DATE		N	DATE		
* TREATMENT ID		N	NUMBER	10	
UPDATE TIMESTAMP		N	DATE		
UPDATE USERID		N	VARCHAR2	30	
COMMENTS		Y	VARCHAR2	2000	
PAPER FILE ID		Y	VARCHAR2	20	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE	applied by one or more	TREATMENT APPLICATOR
MAY BE	spatially defined by one and only one	IAPP TREATMENT POLY
MAY BE	staffed by one and only one	IAPP EMPLOYER
MAY BE	visually recorded by one or more	IAPP IMAGE
MUST BE	applied to one and only one	INVASIVE PLANT
MUST BE	overseen by one and only one	INVASIVE PLANT AGENCY CODE

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
IPT	Yes	TREATMENT ID		

Entity Definition

Container: IAPP Version:

Entity

Name : JURISDICTION CODE
Short Name : JC
Plural Name : JURISDICTION CODE

Description

The authority or title owner for the parcel of land that a site resides on.
Examples: Crown Land, Military, Indian Reserves.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
DESCRIPTION		N	VARCHAR2	120	
EFFECTIVE DATE		N	DATE		
EXPIRY DATE		N	DATE		
* JURISDICTION CODE		N	VARCHAR2	4	
UPDATE TIMESTAMP		N	DATE		

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE authority for one or more INVASIVE PLANT SITE

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
JC	Yes	JURISDICTION CODE		

Entity Definition

Container: IAPP Version:

Entity

Name : MECHANICAL METHOD CODE
Short Name : MMCD
Plural Name : MECHANICAL METHOD CODE

Description

Indicates the method of mechanical or cultural control. Examples: mulching, burning, mowing.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
DESCRIPTION		N	VARCHAR2	120	
EFFECTIVE DATE		N	DATE		
EXPIRY DATE		N	DATE		
* MECHANICAL METHOD CODE		N	VARCHAR2	3	
UPDATE TIMESTAMP		N	DATE		

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE implementation for one or more MECHANICAL TREATMENT

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
MMCD2	Yes	MECHANICAL METHOD CODE		

Entity Definition

Container: IAPP Version:

Entity

Name : MECHANICAL TREATMENT
 Short Name : MT
 Plural Name : MECHANICAL TREATMENT
 Sub-type of : INVASIVE PLANT TREATMENT

Description

An application of a mechanical or cultural control. Mechanical weed control employs various implements and techniques to physically disturb weeds or to interrupt their reproduction by depleting root reserves through repeated defoliation of the plant. Mechanical control includes the mowing, ploughing, chopping, and crushing of weeds.

Cultural control includes selective grazing, irrigation and deliberate flooding, mulching, hand pulling, and burning. Strategies and timing should depend on the weed species and its location in the province.

[Source: Integrated Pest Management,
<http://www.for.gov.bc.ca/hfp/noxious/integrat.htm>]

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
AREA TREATED		N	NUMBER	15	,4
* MECHANICAL TREATMENT ID		N	NUMBER	10	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MUST BE implemented by one and only one MECHANICAL METHOD
CODE

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
MT2	Yes	MECHANICAL TREATMENT ID		

Entity Definition

Container: IAPP Version:

Entity

Name : ORG UNIT

Short Name : OU

Plural Name : ORG UNIT

Description

Records codes for ministry Organizational Units (offices), such as Branch, Region, or District office. Codes are currently defined to the office, section/program, and subsection level. [Source: Integrated Data Dictionary, http://www.for.gov.bc.ca/pScripts/isb/idd/IDD_srch.asp]

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
* ORG UNIT NO		N	NUMBER	10	,0

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE responsible for one or more INVASIVE PLANT SITE

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
ORG_UNIT_PK	Yes	ORG UNIT NO		

Entity Definition

Container: IAPP Version:

Entity

Name : PERSPECTIVE CODE

Short Name : PC

Plural Name : PERSPECTIVE CODE

Description

Identifies the perspective from which the image is represented: Overview, North, South, East, or West.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
DESCRIPTION		N	VARCHAR2	120	
EFFECTIVE DATE		N	DATE		
EXPIRY DATE		N	DATE		
* PERSPECTIVE CODE		N	VARCHAR2	1	
UPDATE TIMESTAMP		N	DATE		

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE orientating one or more IAPP IMAGE

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
PC2	Yes	PERSPECTIVE CODE		

Entity Definition

Container: IAPP Version:

Entity

Name : PROPOSED IAPP ACTIVITY
 Short Name : PA
 Plural Name : PROPOSED IAPP ACTIVITY

Description

A recommended plan for controlling invasive alien plants based on knowledge of potential damage, cost of control method and environmental impact of the weed and control decision. May include a combination of methods to reduce the weed population to an acceptable level. [Source: Integrated Weed Management: An Introductory Manual, <http://www.agf.gov.bc.ca/cropprot/weedman.htm>]

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ENTRY TIMESTAMP		N	DATE		
ENTRY USERID		N	VARCHAR2	30	
* PROPOSED ACTIVITY ID		N	NUMBER	10	
REVISION COUNT		N	NUMBER	10	,0
UPDATE TIMESTAMP		N	DATE		
UPDATE USERID		N	VARCHAR2	30	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE	proposal for one and only one	INVASIVE PLANT PLAN
or MAY BE	proposal for one and only one	INVASIVE PLANT SURVEY
MAY BE	prescribing one and only one	BIOLOGICAL AGENT CODE
or MAY BE	prescribing one and only one	HERBICIDE CODE
MAY BE	justified by one or more	BIOLOGICAL AGENT EXCEPTION
MUST BE	recommended for one and only one	IAPP ACTIVITY CODE

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
PA2	Yes	PROPOSED ACTIVITY ID		

Entity Definition

Container: IAPP Version:

Entity

Name : RANGE UNIT

Short Name : RU

Plural Name : RANGE UNIT

Description

A range management area used to prescribe the numbers and kinds of livestock that the land can support.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
* RANGE UNIT ID		N	VARCHAR2	10	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

MAY BE contains one or more INVASIVE PLANT SITE

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
RU	Yes	RANGE UNIT ID		

Entity Definition

Container: IAPP Version:

Entity

Name : TREATMENT APPLICATOR
 Short Name : TA
 Plural Name : TREATMENT APPLICATOR

Description

The IAPP participants that acted as applicators for a particular Invasive Plant Control.

Attributes

* - Attributes in primary unique identifier

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>	<u>Scale</u>
ENTRY TIMESTAMP		N	DATE		
ENTRY USERID		N	VARCHAR2	30	
UPDATE TIMESTAMP		N	DATE		
UPDATE USERID		N	VARCHAR2	30	
CERTIFICATE NO		Y	VARCHAR2	6	

Relationships

* - Relationships in primary unique identifier

Each Occurrence Of This Entity :

* MUST BE	applying one and only one	INVASIVE PLANT TREATMENT
* MUST BE	task for one and only one	IAPP PARTICIPANT

Unique Identifiers

<u>Name</u>	<u>Primary?</u>	<u>Attrib.Name</u>	<u>Relationship</u>	<u>To Entity Name</u>
TA2	Yes		applying	INVASIVE PLANT TREATMENT
			task for	IAPP PARTICIPANT

Oracle Designer

ENTITY DEFINITION REPORT

End of Report