

Entity and Attribute Definitions Report

Run by: GDUFF
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Total Pages: 86
Total Entities: 64

Parameters

<i>Application:</i>	FREP
<i>Entities:</i>	%
<i>ER Diagram:</i>	%
<i>Include Entity Notes?</i>	Y
<i>Include Attribute Descriptions?</i>	Y
<i>Include Attribute Notes?</i>	Y
<i>Include Attribute Values?</i>	Y
<i>Include Table of Contents?</i>	N
<i>Include Index of Entities?</i>	Y

Entity Name: BEC CODE TABLE		<i>Short Name:</i>	BEC COD
<i>Plural:</i>	BEC CODE TABLE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

A code used to designate a large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate. Biogeoclimatic Zones are unique within the province of British Columbia.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* BEC CODE ID		N	NUMBER	5
A code to uniquely identify a biogeoclimatic unit.				
<i>Change Log:</i>				
* = Attributes in primary unique identifier.				

Unique Identifiers:

BEC_COD	Primary	Y
BEC CODE ID		

Entity Name:	BEC SITE SERIES	<i>Short Name:</i>	BSS
<i>Plural:</i>	BEC SITE SERIES		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Within the BEC system, all sites capable of producing the same mature or climax plant communities within a biogeoclimatic subzone or variant.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* BEC SITE SERIES ID		N	NUMBER	5
Assigned numeric identifier for a site series unique within a biogeoclimatic unit.				
* = <i>Attributes in primary unique identifier.</i>				

Unique Identifiers:

BSS	<i>Primary</i>	Y
<i>BEC SITE SERIES ID</i>		

Entity Name: BGC ZONE CODE		<i>Short Name:</i>	BGCZONE
<i>Plural:</i>	BGC ZONE CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Describes a Biogeoclimatic (BGC) zone.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* BGC ZONE CODE		N	VARCHAR2	4
The code that represents a specific Biogeoclimatic (BGC) zone				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE Describes one or more BIODIVERSITY STRATUM

* = Relationships in primary unique identifier.

Unique Identifiers:

BGCZONE	Primary	Y
BGC ZONE CODE		

Entity Name: BIODIVERSITY CHECKLIST			Short Name:	BIOC
Plural:	BIODIVERSITY CHECKLIST			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:
A checklist used by district staff to assess the stand-level biodiversity in an accepted opening

Attributes:				
<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* BIODIVERSITY CHECKLIST ID		N	NUMBER	10
A unique ID to identify a particular Biodiversity checklist.				
Change Log:				
Outstanding Issues:				
Implementation Notes:				
Miscellaneous:				
FREP WTP OVERRIDE		Y	NUMBER	7,2
User entered Gross area if it differs from the RESULTS calculated Gross Area. This temporary field is specific to the FRPA Resource Evaluation Program and should not be used by other MoFR applications.				
LOCATION DESCRIPTION		Y	VARCHAR2	50
General description of location, e.g. Furry Creek				
PATCH RESERVES ON BLOCK		Y	NUMBER	2
Number of patch reserves contained in the block.				
Change Log:				
Outstanding Issues:				
Implementation Notes:				
Miscellaneous:				
PATCH RESERVES SAMPLED		Y	NUMBER	2
Record the number of patch reserves that were sampled.				
Change Log:				
Outstanding Issues:				
Implementation Notes:				
Miscellaneous:				
INNOVATIVE PRACTICE IND		Y	VARCHAR2	1
indicates if innovative forest practices were implemented on the block				
INNOVATIVE PRACTICES COMMENT		Y	VARCHAR2	2000
A comment that captures the if there were any innovative and/or unique forest practices used on this block?				
Examples include:				
wildlife,				
tree creation,				
re-distribution of CWD,				
small piles of CWD for habitat,				
leaving hollow logs,				
truly boring practices, other.				
Change Log:				

Entity Name: BIODIVERSITY CHECKLIST (cont'd)	<i>Short Name:</i>	BIOC
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Outstanding Issues:

Implementation Notes:

Miscellaneous:

INVASIVE PLANT INDICATOR	Y CHAR	1
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This is an indicator to flag (yes or no) the presence of invasive plants

background:

The term "invasive plant" is any invasive alien plant species that has the potential to pose undesirable or detrimental impacts on humans, animals or ecosystems. Invasive plants have the capacity to establish quickly and easily on new sites, and the have widespread negative economic, social and environmental impacts. Many invasive plants in British Columbia are "alien" to North America, and may also be referred to as "non-native", "exotic" or "introduced" plant species

Invasive plants can cause problems such as:

- Threatening fragile ecosystems
- Reducing biodiversity
- Costing our economy millions of dollars each year

INVASIVE PLANT COMMENT	Y VARCHAR2	2000
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Any general comments on the invasive plants observed.

Change Log:

Outstanding Issues:

Implementation Notes:

Miscellaneous:

EVALUATOR OPINION COMMENT	Y VARCHAR2	2000
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Assessment comments made by the Evaluator.

Change Log:

Outstanding Issues:

Implementation Notes:

Miscellaneous:

NOTE DESCRIPTION	Y VARCHAR2	2000
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checklist note where evalutors can information that isn't consistant with the other comment fields in the checklist

BLOCK ACCESS TIME	Y NUMBER	6,2
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Time spent getting to the block per person.

HOURS ON BLOCK	Y NUMBER	6,2
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Number of hours spent measuring on the block per person.

PEOPLE ON BLOCK	Y NUMBER	2
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Number of people who worked on the checklist in the field.

REVISION COUNT	Y NUMBER	5
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Revision count used to serialize update of an entry in an Sql table.

Change Log:

Outstanding Issues:

Implementation Notes:

Entity Name:	BIODIVERSITY CHECKLIST (cont'd)	Short Name:	BIOC
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Miscellaneous:

ENTRY USERID

N VARCHAR2 30

The userid who entered the information

Change Log:

Outstanding Issues:

Implementation Notes:

Miscellaneous:

ENTRY TIMESTAMP

N DATE

The date and time of the entry.

Change Log:

Outstanding Issues:

Implementation Notes:

Miscellaneous:

UPDATE USERID

N VARCHAR2 30

the userid who updated the information.

Change Log:

Outstanding Issues:

Implementation Notes:

Miscellaneous:

UPDATE TIMESTAMP

N DATE

The date and time of the last update.

Change Log:

Outstanding Issues:

Implementation Notes:

Miscellaneous:

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

- MAY BE detailed by one or more BIODIVERSITY CHKLST ATTACH
- MAY BE Evaluated by one or more BIODIVERSITY EVALUATOR NAME
- MAY BE Described by one or more BIODIVERSITY INVASIVE PLANT
- MAY BE typed by one and only one BIODIVERSITY OPINION CODE
- MAY BE evaluates one or more BIODIVERSITY STRATUM
- MAY BE typed by one and only one FREP CHECKLIST STATUS CODE
- MUST BE evaluates one and only one FREP RESOURCE VALUE
- MAY BE detailed by one and only one FREP SITE ACCESS CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

BIOCHECK

Primary Y

BIODIVERSITY CHECKLIST ID

Entity Name:	BIODIVERSITY CHECKLIST (cont'd)	<i>Short Name:</i>	BIOC
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Notes:

- Change Log:
- Outstanding Issues:
- Implementation Notes:
- Miscellaneous:

Entity Name: BIODIVERSITY CHECKLIST ATTACHMENT		<i>Short Name:</i>	BIOCA
<i>Plural:</i>	BIODIVERSITY CHKLST ATTACH		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

An attachment is a supplemental piece of document. Some choices include a photograph, a document, or a map.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* BIODIVERSITY CHKLST ATTACH ID		N	NUMBER	10
A unique id for the attachment.				
DESCRIPTION		N	VARCHAR2	120
A meaningful user-defined description of subject matter For example, a map of district 28, or the photo of a stream and the name of the stream.				
FILE NAME		N	VARCHAR2	120
Fully qualified path name of the file location.				
FILE CONTENTS		N	IMAGE	
The actual file contents.				
ENTRY USERID		N	VARCHAR2	30
the userid of who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date/time of when the information is entered..				
UPDATE USERID		N	VARCHAR2	30
The userid who updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date the information is updated.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MUST BE details one and only one BIODIVERSITY CHECKLIST

MUST BE described by one and only one MIME TYPE CODE

* = Relationships in primary unique identifier.

Unique Identifiers:

FB ATTACH	Primary	Y
BIODIVERSITY CHKLST ATTACH ID		

Entity Name:	BIODIVERSITY EVALUATOR NAME	<i>Short Name:</i>	BIO EN
<i>Plural:</i>	BIODIVERSITY EVALUATOR NAME		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

The evaluator is a person who fills out a checklist in the field.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* EVALUATOR NAME ID		Y	NUMBER	10
EVALUATOR USERID		N	VARCHAR2	64
UserId of the person who is an evaluator.				
EVALUATOR TEAM LEAD IND		N	VARCHAR2	1
Indicator to uniquely identify the team leader for each checklist.				
REVISION COUNT		N	NUMBER	5
Revision count used to serialize update of an entry in an Sql table.				
ENTRY USERID		N	VARCHAR2	30
UserId of the person who entered the record.				
ENTRY TIMESTAMP		N	DATE	
Date the record was entered.				
UPDATE USERID		N	VARCHAR2	30
UserId of the person who updated the record.				
UPDATE TIMESTAMP		N	DATE	
The date the record was updated.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MUST BE Evaluates one and only one BIODIVERSITY CHECKLIST

* = Relationships in primary unique identifier.

Unique Identifiers:

BIO EN	<i>Primary</i>	Y
EVALUATOR NAME ID		

MUST BE Describes one and only one BIODIVERSITY CHECKLIST

BIODIVERSITY OPINION CODE

Entity Name: BIODIVERSITY PLOT			<i>Short Name:</i>	BIOPLOT
<i>Plural:</i>	BIODIVERSITY PLOT			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

A selected area within an opening used for sampling

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* BIODIVERSITY PLOT ID		N	NUMBER	10
A unique Id to identify the plot.				
<i>Change Log:</i>				
<i>Outstanding Issues:</i>				
<i>Implementation Notes:</i>				
<i>Miscellaneous:</i>				
ASSESSOR NAME		N	VARCHAR2	35
The name of the person who completed the plot card.				
<i>Change Log:</i>				
<i>Outstanding Issues:</i>				
<i>Implementation Notes:</i>				
<i>Miscellaneous:</i>				
UTM SIGNAL		Y	VARCHAR2	3
Signifies that UTM signal is available				
PLOT NUMBER		N	NUMBER	3
Identifier for a specific plot within a STRATUM, WITHIN a BLOCK.				
<i>Change Log:</i>				
<i>Outstanding Issues:</i>				
<i>Implementation Notes:</i>				
<i>Miscellaneous:</i>				
UTM ZONE		Y	NUMBER	2
the UTM system uses 60 zones, each 6 degrees of longitude wide. Each zone extends from 80°S latitude to 84°N latitude. The zones are numbered, starting with 1 which runs from the 180° to the 174°W line of longitude, with numbers increasing as you move west . Collectively, these zones cover almost the entire planet, omitting only the Arctic Ocean in the north and central Antarctica in the South.				
There are five UTM zones in the province of B.C..				
<i>Change Log:</i>				
<i>Outstanding Issues:</i>				
<i>Implementation Notes:</i>				
<i>Miscellaneous:</i>				
UTM EASTING		Y	NUMBER	10
This is the UTM East coordinate.				
<i>Change Log:</i>				

Entity Name: BIODIVERSITY PLOT (cont'd)		Short Name:	BIOPLOT
<i>Outstanding Issues:</i>			
<i>Implementation Notes:</i>			
<i>Miscellaneous:</i>			
UTM NORTHING	Y NUMBER		10
This is the UTM North coordinate.			
<i>Change Log:</i>			
<i>Outstanding Issues:</i>			
<i>Implementation Notes:</i>			
<i>Miscellaneous:</i>			
TREE INDICATOR	Y CHAR		1
An indicator to identify when there are no trees in the plot.			
<i>Change Log:</i>			
<i>Outstanding Issues:</i>			
<i>Implementation Notes:</i>			
<i>Miscellaneous:</i>			
BASAL AREA FACTOR	Y NUMBER		2
The Basal Area Factor.The basal area factor is the number of units of basal area per hectare represented by each tree.			
<i>Change Log:</i>			
<i>Outstanding Issues:</i>			
<i>Implementation Notes:</i>			
<i>Miscellaneous:</i>			
FIXED AREA RADIUS	Y NUMBER		5,2
Record Fixed area radius in metres (15-50, recommend 30)			
Fixed area radius means the "Area of Review" zone			
<i>Change Log:</i>			
<i>Outstanding Issues:</i>			
<i>Implementation Notes:</i>			
<i>Miscellaneous:</i>			
FULL COUNT AREA	Y NUMBER		6,2
The number of hectares to which the full count applies.			
<i>Change Log:</i>			
<i>Outstanding Issues:</i>			
<i>Implementation Notes:</i>			
<i>Miscellaneous:</i>			
CWD TRANSECT INDICATOR	Y CHAR		1
This indicator signifies when there is NO cumulative Woody Debris in the plot.			
<i>Change Log:</i>			

Entity Name:	BIODIVERSITY PLOT (cont'd)	Short Name:	BIOPLOT
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Outstanding Issues:

Implementation Notes:

Miscellaneous:

FIRST LEG TRANSECT	Y	NUMBER	3
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A transect leg is 15 metres -record the 1st compass bearing of the transect. This is used to help relocate the transect for auditing and future monitoring. Whole numbers only, between 0 and 360

Change Log:

Outstanding Issues:

Implementation Notes:

Miscellaneous:

SECOND LEG TRANSECT	Y	NUMBER	3
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A transect leg is 15 metres -record the 2nd compass bearing of the transect. This is used to help relocate the transect for auditing and future monitoring. Whole numbers only, between 0 and 360

Change Log:

Outstanding Issues:

Implementation Notes:

Miscellaneous:

PLOT COMMENT	Y	VARCHAR2	2000
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Plot specific comments.

REVISION COUNT	N	NUMBER	5
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Revision count used to serialize update of an entry in an Sql table.

Change Log:

Outstanding Issues:

Implementation Notes:

Miscellaneous:

ENTRY USERID	N	VARCHAR2	30
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The userid who entered the information.

ENTRY TIMESTAMP	N	DATE	
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The date and time of the entry.

UPDATE USERID	N	VARCHAR2	30
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The UserId who updated the information.

UPDATE TIMESTAMP	N	DATE	
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The date and time of the last update.

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

- MAY BE detailed by one or more BIODIVERSITY STAND DETAIL
- MUST BE details one and only one BIODIVERSITY STRATUM
- MAY BE detailed by one or more COARSE WOODY DEBRIS DETAIL

Entity Name:	BIODIVERSITY PLOT (cont'd)	<i>Short Name:</i>	BIOPLOT
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* = Relationships in primary unique identifier.

Unique Identifiers:

BIO PLOT	Primary	Y
BIODIVERSITY PLOT ID		

Entity Name: BIODIVERSITY STAND DETAIL			<i>Short Name:</i>	BIOSD
<i>Plural:</i>	BIODIVERSITY STAND DETAIL			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:
a group of trees located on a plot

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* BIODIVERSITY STAND ID		N	NUMBER	10
A unique ID to identify the Biodiversity Stand.				
TREE NUMBER		N	NUMBER	3
Unique numeric identifier for a given tree on the plot.				
DBH		N	NUMBER	4,1
The Diameter at Breast Height. Diameter in cm (+ - 10%)				
HEIGHT		N	NUMBER	3,1
Height of tree in metres (+ - 10%)				
COMMENTS		Y	VARCHAR2	250
Comments on individual trees in the plot.				
REVISION COUNT		N	NUMBER	5
Revision count used to serialize update of an entry in an Sql table.				
ENTRY USERID		N	VARCHAR2	30
The UserId who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time of the entry.				
UPDATE USERID		N	VARCHAR2	30
The userid who updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- MUST BE details one and only one BIODIVERSITY PLOT
- MUST BE typed by one and only one FREP TREE SPECIES CODE
- MUST BE typed by one and only one WILDLIFE TREE DECAY CLASS CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

BIOSTAND	<i>Primary</i>	Y
BIODIVERSITY STAND ID		

Entity Name: BIODIVERSITY STRATA TYPE CODE		<i>Short Name:</i>	BIOSTCD
<i>Plural:</i>	BIODIVERSITY STRATA TYPE CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:
Defines the type of stratum.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* BIODIVERSITY STRATA TYPE CODE		N	VARCHAR2	3
The code value to identify the type of STRATA within a given BLOCK. Strata is a harvested area or Patch reserve.				
DESCRIPTION		N	VARCHAR2	120
A full description of the strata type code value				
<i>Change Log:</i>				
EFFECTIVE DATE		N	DATE	
The effective date of the strate type code value				
<i>Change Log:</i>				
EXPIRY DATE		N	DATE	
The expiry date of the Type code value				
<i>Change Log:</i>				
UPDATE TIMESTAMP		N	DATE	
Date and time entity is updated				
<i>Change Log:</i>				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE typed for one or more BIODIVERSITY STRATUM

* = Relationships in primary unique identifier.

Unique Identifiers:

STRAT_COD	Primary	Y
BIODIVERSITY STRATA TYPE CODE		

Entity Name: BIODIVERSITY STRATUM*Short Name:*

BIOS

Plural: BIODIVERSITY STRATUM*Init. Volume:**Avg. Volume:**Max. Volume:**Annual Growth Rate:***Description:**

A stratum is a segregation within a population that contains materials that are essentially similar. A typical stratum in a population might be the spruce stratum or fir stratum. The Stratum layer is subjectively set by the Forester.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* STRATUM ID		N	NUMBER	10
Unique ID - automatically entered here from field 3 on the Plot Identification section.				
STRATUM NUMBER		Y	VARCHAR2	10
user assigned stratum number. must be unique within the checklist.				
STRATUM SUMMARY DATE		Y	DATE	
The date the Strata Summary is completed.				
STRATUM SUMMARY ASSESSOR NAME		Y	VARCHAR2	35
The name of the Assessor who completed the Stratum Summary.				
STRATUM PLOT COUNT		N	NUMBER	2
Number of plots established in the reserve/strata.				
STRATUM SIZE		Y	NUMBER	6,2
The strata size in hectares.				
STRATUM CONSISTENT MAP IND		N	CHAR	1
Options: Yes, No, Not Mapped				
STRATUM ESTIMATED SIZE		Y	NUMBER	5,2
The estimated size , in hectares, of the stratum.				
PATCH ESTIMATED OLDST TREE AGE		Y	NUMBER	3
The estimated age of the oldest tree. This can be determined by using the pre-harvest inventory label, knowledge, or bore the tree. Confirmed through field verification ? occasional counting the rings on stumps.				
PATCH GENERAL COMMENT		Y	VARCHAR2	2000
General comments about the Patch.				
PATCH WINDTHROW PCT		Y	VARCHAR2	7
The percentage of blowdown or windthrow in a Patch. Typical value choices are: < 5%, 5-15%, 16-30%, >30%				
CONSTRAINT INDICATOR		Y	CHAR	1
This indicates when there are NO constraint indicators present.				
WETLAND PCT		Y	NUMBER	3
The approximate percentna of wetland in the Stratum.				
RIPARIAN MANAGEMENT ZONE PCT		Y	NUMBER	3
The ercentage of the RMZ or Riparian Management Zone.				
RIPARIAN RESERVE ZONE PCT		Y	NUMBER	3
The percentage of the RRZ or Riparian Reserve Zone.				
ROCK OUTCROP PCT		Y	NUMBER	3
Percentage of rock outcroppings.				
NON COMMERCIAL BRUSH PCT		Y	NUMBER	3
Percentage of non commercial brush.				
NON MERCH TIMBER PCT		Y	NUMBER	3
Percentage of non merchantable timber				
SENSITIVE SOIL PCT		Y	NUMBER	3
Percentage of sensitivie soil.				

Entity Name:	BIODIVERSITY STRATUM (cont'd)		Short Name:	BIOS
Sensitive soils: forest land areas that have a moderate to very high hazard for soil compaction, erosion, displacement, mass wasting or forest floor displacement				
UNG HOOF ANIMAL WINTERING PCT	Y	NUMBER		3
Percentage of Ungulate -hoofed animals-wintering areas.				
WILDLIFE HABITAT AREA PCT	Y	NUMBER		3
Percentage of WildLife Habitat area.				
Wildlife habitat area (WHA): defined in the Forest Practices Code of British Columbia Act Operational Planning Regulation as a mapped area of land that the Deputy Minister of Environment, Lands and Parks, or a person authorized by that deputy minister, and the chief forester, have determermined is necessary to meet the habitat requirements of one or more species of identified wildlife.				
OLD GROWTH MANAGEMENT AREA PCT	Y	NUMBER		3
Percentage of Old Growth Management Area (OGMA).				
VISUALS PCT	Y	NUMBER		3
Value for percentage of visuals.				
CULTURAL HERITAGE FEATURE PCT	Y	NUMBER		3
Value for percentage of cultural heritage feature.				
RECREATION FEATURE PCT	Y	NUMBER		3
The percentage of recreation features .				
OTHER CONSTRAINT	Y	VARCHAR2		50
The name of the other constraint.				
OTHER CONSTRAINT PCT	Y	NUMBER		3
The percent of the Other constraint.				
ECO INDICATOR	Y	VARCHAR2		1
This indicates when there are NO Ecological anchors.				
BEAR DEN CNT	Y	NUMBER		3
A count of the bear dens.				
HIBERNACULUM CNT	Y	NUMBER		3
The count of hibernaculum - a place in which an animal hibernates or overwinters.				
VET TREE CNT	Y	NUMBER		3
Vet tree/hectare (0, 1-10, 10-20, etc.)				
A veteran tree in growth and yield, is a tree that is at least 30 years older than the age of the main stand. In multi-layered or complex-layered stands, a tree that is at least 100 years older than the oldest sample tree of the main stand.				
MINERAL LICK CNT	Y	NUMBER		3
A count of the mineral licks,				
LARGE STICK NEST CNT	Y	NUMBER		3
A count of large stick nests.				
CAVITY NEST CNT	Y	NUMBER		3
A count of the number of cavity nests found.				
LARGE HALLOW TREE CNT	Y	NUMBER		3
A count of the number of hallow trees found.				
LARGE WITCHES BROOM CNT	Y	NUMBER		3
A count of the number of witches broom found.				
KARST FEATURE IND	Y	CHAR		1
The number of Karst features found.				

Entity Name: BIODIVERSITY STRATUM (cont'd)		Short Name:	BIOS
LARGEST TREE IND	Y CHAR	1	
A Yes or No indicator to identify the largest tree for the site (excluding veteran trees).			
<i>NEED FURTHER CLARIFICATION OF THIS INDICATOR.</i>			
CWD HEAVY CONCENTRATION IND	Y CHAR	1	
A Yes or No indicator for the presence of heavy CWD.			
Coarse Woody Debris (CWD): sound and rotting logs and stumps that provide habitat for plants, animals, and insects and a source of nutrients for soil development.			
ACTIVE WILDLIFE TRAILS IND	Y CHAR	1	
A Yes or No indicator for the presence of wildlife trails.			
ACTIVE WLT CWD FEEDING IND	Y CHAR	1	
A Yes or No indicator for the presence of WLT/CWD feeding areas.			
UNCOMMON TREE SPECIES IND	Y CHAR	1	
A Yes or No indicator to recognize the presence of uncommon tree species.			
OTHER ECO ANCHOR CNT	Y NUMBER	3	
A count of the Other ecological anchor.			
OTHER ECO ANCHOR DESC	Y VARCHAR2	30	
A short description of the other ecological anchor.			
CALC_CONSTRAINED_TOTAL	Y NUMBER	3	
User entered percentage of constrained area in the stratum.			
BGC_SUBZONE_CODE	Y VARCHAR2	3	
A code for the bio-geoclimatic sub-zone for the area.			
BGC_VARIANT	Y VARCHAR2	1	
A code for the biogeoclimatic variant. A division of the BGC Subzone on the basis of differences in floristic composition of the zonal ecosystem, but usually on the basis of differences in the cover and vigour of the plant species.			
BGC_PHASE	Y VARCHAR2	1	
A code for the biogeoclimatic phase. Accomodates the variation, resulting from local relief, in the regional climate of the subzones and variants.			
BEC_SITE_SERIES_CD	Y VARCHAR2	4	
A number from 01 to 99 representing the soil moisture regime and soil nutrient regime of a site series, relative to other site series within a subzone or variant			
SITE_SERIES_PHASE_CD	Y VARCHAR2	3	
A subdivision of a site series used when site or soil properties differ sufficiently to affect management prescriptions			
SERIAL	Y VARCHAR2	4	
The seral (often termed successional) classification in BEC is an integration of site and vegetation classifications with structural stage development.			
OTHER WINDTHROW TREATMENT	Y VARCHAR2	50	
windthrow treatment not matching codes from the Windthrow treatment code table			
REVISION COUNT	N NUMBER	5	
Revision count used to serialize update of an entry in an Sql table.			
ENTRY USERID	N VARCHAR2	30	
The userid who entered the information.			
ENTRY TIMESTAMP	N DATE		
The date and time of the entry.			
UPDATE USERID	N VARCHAR2	30	
The Userid who updated the information.			
UPDATE TIMESTAMP	N DATE		
The date and time of the last update.			

Entity Name:	BIODIVERSITY STRATUM (cont'd)	<i>Short Name:</i>	BIOS
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* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

- MUST BE Belongs to one and only one BGC ZONE CODE
- MUST BE evaluated by one and only one BIODIVERSITY CHECKLIST
- MAY BE detailed by one or more BIODIVERSITY PLOT
- MAY BE typed by one and only one BIODIVERSITY STRATA TYPE CODE
- MUST BE typed by one and only one HARVEST AREA CODE
- MAY BE typed by one and only one PATCH LOCATION CODE
- MAY BE typed by one and only one WINDTHROW DISTRIBUTION CODE
- MAY BE described by one or more WINDTHROW TREATMENT

* = Relationships in primary unique identifier.

Unique Identifiers:

STRATUM	Primary	Y
STRATUM ID		

Entity Name: COARSE WOODY DEBRIS DETAIL			Short Name:	BIOCWDD
Plural:	COARSE WOODY DEBRIS DETAIL			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Coarse woody debris (CWD) reflects the abundance of dead and down coarse wood debris larger than or equal to 6cm in diameter. Course Woody Debris is a biotic variable representing return of elements and compounds stored in the tree stratum to the forest and riverine system by litter-fall and individual mortality. Competition, defoliation, and decay can return trees and shrubs to the forest floor at low rates between fires and floods. Course wood reaching the soil surface undergoes slow decomposition and releases stored elements and compounds for uptake by the plant community. Some components of wood resist decomposition and may remain in the pool of stored carbon and nutrients for long periods of time. A change in characteristic input of coarse wood can alter nutrient cycles. Course wood also represents the input of roughness by return of structure from the tree stratum.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* COARSE WOODY DEBRIS DETAIL ID		Y	NUMBER	10
unqiue numeric identifier for CWD .				
LOG NUMBER		N	NUMBER	3
Unique numeric identifier for a given log in the stand on the plot.				
Change Log:				
Outstanding Issues:				
Implementation Notes:				
Miscellaneous:				
LOG DIAMETER		N	NUMBER	4,1
the diameter of the log in cm (+ - 10%)				
Change Log:				
Outstanding Issues:				
Implementation Notes:				
Miscellaneous:				
LOG LENGTH		N	NUMBER	3,1
relates to the Course Woody Debris found. Log length represents the length of the log found in the woody debris. It is measured in Metres				
Change Log:				
Outstanding Issues:				
Implementation Notes:				
Miscellaneous:				
COMMENTS		Y	VARCHAR2	250
Any pertinent comments on individual trees in the plot.				
Change Log:				
Outstanding Issues:				
Implementation Notes:				
Miscellaneous:				
REVISION COUNT		N	NUMBER	5

Entity Name:	COARSE WOODY DEBRIS DETAIL (cont'd)	<i>Short Name:</i>	BIOCWDD
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Revision count used to serialize update of an entry in an Sql table.

Change Log:

Outstanding Issues:

Implementation Notes:

Miscellaneous:

ENTRY USERID	N	VARCHAR2	30
The Userid Id who entered the information.			
ENTRY TIMESTAMP	N	DATE	
The date and time of the entry.			
UPDATE USERID	N	VARCHAR2	30
The UserId who updated the information.			
UPDATE TIMESTAMP	N	DATE	
The date and time of the last update.			

* = *Attributes in primary unique identifier.*

Relationships:

Each Occurrence Of This Entity:

- MUST BE details one and only one BIODIVERSITY PLOT
 - MUST BE typed by one and only one CWD DECAY CLASS CODE
 - MUST BE typed by one and only one FREP TREE SPECIES CODE
- * = *Relationships in primary unique identifier.*

Unique Identifiers:

BIO DEBRIS	<i>Primary</i>	Y
COARSE WOODY DEBRIS DETAIL ID		

Notes:

Change Log:

Outstanding Issues:

Implementation Notes:

Miscellaneous:

Entity Name: CUT BLOCK OPEN ADMIN		Short Name:	CBOA
Plural:	CUT BLOCK OPEN ADMIN		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

An opening may have may have a cut block associated to it. In order for a FREP site to be eligible there has to be an associated open block. This entity will determine the FREP eligibility of an opening.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* CUT BLOCK OPEN ADMIN ID		N	NUMBER	10
A unique ID to describe the cut block.				
FOREST FILE ID		N	VARCHAR2	10
File identification assigned to provincial forest use files. Assigned file number.				
CUTTING PERMIT ID		N	VARCHAR2	3
Identifier for a cutting permit associated with a quota type tenure.				
CUT BLOCK ID		N	VARCHAR2	10
Identifier for a cut block of a harvesting tenure (within a cutting permit for tenures with cp's)				
CB SKEY		Y	NUMBER	10
The unique identifier for a cut block.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE is selected one or more FREP SELECTED SITE

* = Relationships in primary unique identifier.

Unique Identifiers:

CBOA	Primary	Y
CUT BLOCK OPEN ADMIN ID		

Short Name: CWDDC_CD

Init. Volume: Avg. Volume: Max. Volume: Annual Growth Rate:

A Ministry classification to indicate the type of coarse woody debris decay observed.

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
CWD DECAY CLASS CODE		N	VARCHAR2	3
A code value for a decay classification index value.				
DESCRIPTION		N	VARCHAR2	120
description of decay code. Values are 1, 2, 3, 4 as defined in the FREP Biodiversity Protocol				
EFFECTIVE DATE		N	DATE	
effective date of decay code				
EXPIRY DATE		N	DATE	
expiry date of decay code				
UPDATE TIMESTAMP		N	DATE	
date the record was last updated				

Each Occurrence Of This Entity:

MAY BE typed for one or more COARSE WOODY DEBRIS DETAIL

Unique Identifiers:

DECAY_CD Primary Y

CWD DECAY CLASS CODE

Entity Name: DISTURBANCE CODE		<i>Short Name:</i>	DC
<i>Plural:</i>	DISTURBANCE CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:
A lookup code table that describes the reason for the disturbance.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* DISTURBANCE CODE		N	VARCHAR2	3
The code value for disturbance code.				
<i>Change Log:</i>				
* = Attributes in primary unique identifier.				

Relationships:
Each Occurrence Of This Entity:
MUST BE Comprised of one or more FREP SELECTED SITE
* = Relationships in primary unique identifier.

Unique Identifiers:

DC	Primary	Y
DISTURBANCE CODE		

Entity Name:	FILE CLIENT TYPE CODE	<i>Short Name:</i>	FCTC
<i>Plural:</i>	FILE CLIENT TYPE CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Identifies the licensee assigned to a given file for a specified duration of time.

Attributes:

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

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MUST BE details one or more FREP SELECTED SITE

* = Relationships in primary unique identifier.

Unique Identifiers:

FCTC	Primary	Y
FILE CLIENT TYPE CODE		

Entity Name: FOR CLI AUDIT			Short Name: FCA	
Plural: FOR CLI AUDIT				
Init. Volume:		Avg. Volume:		Max. Volume:
Annual Growth Rate:				

Description:

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* FOREST CLIENT AUDIT ID		N	NUMBER	12
CLIENT NAME		N	VARCHAR2	60
* = Attributes in primary unique identifier.				

Unique Identifiers:

FCA	Primary	Y
FOREST CLIENT AUDIT ID		

Entity Name: FOREST CLIENT				<i>Short Name:</i> FC	
<i>Plural:</i> FOREST CLIENT					
<i>Init. Volume:</i> 35000		<i>Avg. Volume:</i> 67500		<i>Max. Volume:</i> 100000	
				<i>Annual Growth Rate:</i> 2%	

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:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* CLIENT NUMBER		N	VARCHAR2	8
Sequentially assigned number to identify a ministry client.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE related to one or more FREP SELECTED SITE

* = Relationships in primary unique identifier.

Unique Identifiers:

FC	<i>Primary</i>	Y
CLIENT NUMBER		

Short Name: ANS CD

Init. Volume: *Avg. Volume:* *Max. Volume:* *Annual Growth Rate:*

details the possible answers to riparian checklist questions

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
FREP CHECKLIST ANSWER CODE		N	VARCHAR2	3
unique code for possible answers to riparian checklist questions				
DESCRIPTION		N	VARCHAR2	120
description of possible answers to riparian checklist questions				
EFFECTIVE DATE		N	DATE	
date the record becomes effective				
EXPIRY DATE		N	DATE	
date the record expires				
UPDATE TIMESTAMP		N	DATE	
date the record was last updated				
* = Attributes in primary unique identifier.				

Each Occurrence Of This Entity:

* = Relationships in primary unique identifier.

ANS CD Primary Y

FREP CHECKLIST ANSWER CODE

Entity Name: FREP CHECKLIST STATUS CODE			Short Name: FREPCHKCOD
<i>Plural:</i>	FREP CHECKLIST STATUS CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

The workflow status of the checklist. Possible workflow statuses are : ACTIVE,SUBMITTED . Assessors need to identify where in the workflow the checklists are. A checklist with an ACTIVE status means it is being worked on. . A status of SUBMITTED means the the checklist is completed.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* FREP CHECKLIST STATUS CODE		N	VARCHAR2	3
The workflow status of the checklist.				
DESCRIPTION		N	VARCHAR2	120
A description of the workflow status.				
EFFECTIVE DATE		N	DATE	
the date the checklist status code becomes effective.				
EXPIRY DATE		N	DATE	
The Date the code expires.				
UPDATE TIMESTAMP		N	DATE	
The date the informaation is updated.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MUST BE typed for one or more BIODIVERSITY CHECKLIST
MAY BE typed for one or more RIPARIAN CHECKLIST
* = Relationships in primary unique identifier.

Unique Identifiers:

CHKTYPCOD	Primary	Y
FREP CHECKLIST STATUS CODE		

Entity Name: FREP EVALUATION YEAR			<i>Short Name:</i>	FREPEY
<i>Plural:</i>	FREP EVALUATION YEAR			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

 This entity contains the header information for a district random list

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* EFFECTIVE YEAR		N	NUMBER	4
The FREP SITE list evaluation year.				
<i>Change Log:</i>				
<i>Outstanding Issues:</i>				
<i>Implementation Notes:</i>				
<i>Miscellaneous:</i>				
MAX HARVEST COMPLETE DATE		Y	DATE	
Latest allowable harvest complete date for blocks selected for inclusion in the FREP District Random List.				
MIN HARVEST COMPLETE DATE		Y	DATE	
Oldest allowable harvest complete date for blocks selected for inclusion in the FREP District Random List.				
MIN GROSS AREA		Y	NUMBER	9,4
Minimum gross area for blocks selected for inclusion in the FREP District Random List.				
MAX SITES PER DISTRICT		Y	NUMBER	3
Maximum number of blocks that can be selected for inclusion in the FREP District Random List for a single district.				
GENERATION COMMENTS		Y	VARCHAR2	4000
A description/explanation of the criteria used to generate the District Random List.				
REVISION COUNT		N	NUMBER	5
Revision count used to serialize update of an entry in a Sql table.				
ENTRY USERID		N	VARCHAR2	30
The userid who entered the information.				
<i>Change Log:</i>				
<i>Outstanding Issues:</i>				
<i>Implementation Notes:</i>				
<i>Miscellaneous:</i>				
ENTRY TIMESTAMP		N	DATE	
The date and time of the entry.				
<i>Change Log:</i>				
<i>Outstanding Issues:</i>				
<i>Implementation Notes:</i>				
<i>Miscellaneous:</i>				
UPDATE USERID		N	VARCHAR2	30
the userid who updated the information.				
<i>Change Log:</i>				

Entity Name:	FREP EVALUATION YEAR (cont'd)	Short Name:	FREPEY
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Outstanding Issues:

Implementation Notes:

Miscellaneous:

UPDATE TIMESTAMP

N DATE

The date and time of the last update.

Change Log:

Outstanding Issues:

Implementation Notes:

Miscellaneous:

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MUST BE typed by one and only one FREP EVALUATION YEAR STATUS CODE

MAY BE contains one or more FREP SELECTED SITE

* = Relationships in primary unique identifier.

Unique Identifiers:

DRL_HDR

Primary Y

EFFECTIVE YEAR

Entity Name: FREP EVALUATION YEAR STATUS CODE			<i>Short Name:</i> FREPEYSCD	
<i>Plural:</i> FREP EVAL YEAR STATUS CODE				
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

The selection status associated with the randomly generated FREP SELECTED SITE. A selected site be Locked or Active. Locked implies no further changes are allowed. Active, means changes may occur.

FREP Sites are connected to a specific year in a particular status, which remains unchanged once the evaluation year is locked down.

Attribtes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* FREP EVAL YEAR STATUS CODE		N	VARCHAR2	3
The evaluation status.				
DESCRIPTION		N	VARCHAR2	120
A full description of the unique status code.				
EFFECTIVE DATE		N	DATE	
The date the status becomes effective.				
EXPIRY DATE		N	DATE	
The date the status expires.				
UPDATE TIMESTAMP		N	DATE	
The date the status is updated.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE typed for one or more FREP EVALUATION YEAR

* = Relationships in primary unique identifier.

Unique Identifiers:

DRL_ST_COD	Primary	Y
FREP EVAL YEAR STATUS CODE		

Entity Name: FREP RESOURCE VALUE**Short Name:** FREPRV**Plural:** FREP RESOURCE VALUE**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

A District Random List (DRL) site that has been accepted or rejected for a particular resource value. Resource values are currently Riparian or Biodiversity.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* FREP RESOURCE VALUE ID		N	NUMBER	10
A unique ID to identify the resource value.				
<i>Change Log:</i>				
<i>Outstanding Issues:</i>				
<i>Implementation Notes:</i>				
<i>Miscellaneous:</i>				
ASSIGNMENT GROUP		Y	VARCHAR2	30
The Group assigned to the resource value. This is a freeformat , district specific mechanism used to identify the group.				
<i>Change Log:</i>				
<i>Outstanding Issues:</i>				
<i>Implementation Notes:</i>				
<i>Miscellaneous:</i>				
ASSIGNED TO NAME		Y	VARCHAR2	30
The individual ,within the assignment group, who is assigned to the resource value. This is a free format field. It could contain a valid Userid, a full name, or an abridged name.				
<i>Change Log:</i>				
<i>Outstanding Issues:</i>				
<i>Implementation Notes:</i>				
<i>Miscellaneous:</i>				
ESTIMATED COST		Y	NUMBER	11,2
An estimate of the cost to complete a given checklist . Estimates areassumed to be gross estimations of the cost to complete the checklist.				
EVALUATION DATE		Y	DATE	
Date the evaluation was carried out.				
ADDITIONAL COMMENTS		Y	VARCHAR2	2000
Additional comments for a particular resource value. Comments about how the estimate is complete, or the fact that the assigned-to resource is a contractor are two possible comments one would find here.				
<i>Change Log:</i>				
<i>Outstanding Issues:</i>				
<i>Implementation Notes:</i>				
<i>Miscellaneous:</i>				
REVISION COUNT		N	NUMBER	5
Revision count used to serialize update of an entry in an Sql table.				

Entity Name: FREP RESOURCE VALUE (cont'd)	Short Name: FREPRV
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Change Log:

Outstanding Issues:

Implementation Notes:

Miscellaneous:

ENTRY USERID	N	VARCHAR2	30
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The Userid who entered the information.

Change Log:

Outstanding Issues:

Implementation Notes:

Miscellaneous:

ENTRY TIMESTAMP	N	DATE	
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The date and time of the entry.

Change Log:

Outstanding Issues:

Implementation Notes:

Miscellaneous:

UPDATE USERID	N	VARCHAR2	30
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The userid who updated the information.

Change Log:

Outstanding Issues:

Implementation Notes:

Miscellaneous:

UPDATE TIMESTAMP	N	DATE	
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The date and time of the last update.

Change Log:

Outstanding Issues:

Implementation Notes:

Miscellaneous:

REJECTION REASON	Y	VARCHAR2	50
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Reason for rejecting the site for a specific resource value.

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

- MAY BE evaluated by one or more RIPARIAN CHECKLIST
- or MAY BE evaluated by one or more BIODIVERSITY CHECKLIST
- MUST BE typed by one and only one FREP RESOURCE VALUE STATUS CODE
- MUST BE typed by one and only one FREP RESOURCE VALUE TYPE CODE
- MUST BE describes one and only one FREP SELECTED SITE
- MAY BE typed by one and only one FREP SITE RESOURCE REASON CODE

* = Relationships in primary unique identifier.

Entity Name:	FREP RESOURCE VALUE (cont'd)	Short Name:	FREPRV
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Unique Identifiers:

DRL_ACC

PrimaryY

FREP RESOURCE VALUE ID

Init. Volume: Avg. Volume: Max. Volume: Annual Growth Rate:

The status of the FREP site. Sites are either accepted or rejected or targeted.

This is the FREP SITE status code.

This is a description of the code value that will describe the status of the site selection.

Examples are :

Accepted

Rejected

Targeted.

This is the date the code value becomes effective.

This is the date the code value expires.

This is the date the code value is updated.

* = Attributes in primary unique identifier.

MAY BE typed for one or more FREP RESOURCE VALUE

* = Relationships in primary unique identifier.

FREP RESOURCE VALUE STAT CODE

Short Name: FREPRVTCD

Annual Growth Rate:

<u>Opt</u>	<u>Format</u>	<u>Length</u>
N	VARCHAR2	3
N	VARCHAR2	120
N	DATE	
N	DATE	
N	DATE	

RSC_VALUE	Primary	Y
FREP RESOURCE VALUE TYPE CODE		

Entity Name: FREP SELECTED SITE**Short Name:** FREPSS**Plural:** FREP SELECTED SITE**Init. Volume:** **Avg. Volume:** **Max. Volume:** **Annual Growth Rate:****Description:**

A FREP SITE is a block within an opening. Any block that is part of the random list must have harvesting completed to be a possible candidate. However FREP users can target any block associated to an Opening. The system will carry some historical/snapshot of data about the block and opening as the business requires to know what the key data looked like at a point in time when the block is added as a selected site. This will allow the business to go back and see what that data looked like while also being able to link to the current data within RESULTS or FTA.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
* FREP SELECTED SITE ID		N NUMBER	10
A unique identifier for a FREP Site.			
<i>Change Log:</i>			
<i>Outstanding Issues:</i>			
<i>Implementation Notes:</i>			
<i>Miscellaneous:</i>			
OPENING ID		N NUMBER	10
Opening Id obtained from Cut_block_open_admin at the point of insertion either by random list generation or targeting of the site. The opening id is historical in nature and will not be updated.			
RANDOM LIST ORDER NUMBER		Y NUMBER	6
Randomly generated list order number.			
<i>Change Log:</i>			
<i>Outstanding Issues:</i>			
<i>Implementation Notes:</i>			
<i>Miscellaneous:</i>			
MAPSHEET GRID		Y VARCHAR2	3
NTG or BCGS grid. Values are 82, 83, 92, 93, 94, 95, 102, 103,104, 114. Historically captured when site added to FREP.			
MAPSHEET LETTER		Y VARCHAR2	1
BCGS/NTG letter. Values are A - P, and W. Historically captured when site added to FREP.			
MAPSHEET SQUARE		Y VARCHAR2	3
BCGS NUMBER or NTG NUMBER and LETTER. BCGS NUMBER values are 1-100, and NTG NUMBER values are 1-16 with NTG LETTER values A - H, and W. Historically captured when site added to FREP.			
MAPSHEET QUAD		Y VARCHAR2	1
Quadrant. Blank if NTG number value entered; 0 - 4 if BCGS number entered. Historically captured when site added to FREP.			
MAPSHEET SUB QUAD		Y VARCHAR2	1
Sub-Quadrant. Blank if NTG number value entered; 0 - 4 if BCGS number entered. Historically captured when site added to FREP.			
OPENING NUMBER		Y VARCHAR2	4
An unique identifier up to four characters long that describes the opening on a specified mapsheet. Historically captured when site added to FREP.			
FOREST FILE ID		Y VARCHAR2	10
File identification assigned to provincial forest use files. Assigned file number. Historically			

Entity Name: FREP SELECTED SITE (cont'd)		Short Name:	FREPSS
captured when site added to FREP.			
CUTTING PERMIT ID	Y VARCHAR2	3	
Identifier for a cutting permit associated with a quota type tenure. Historically captured when site added to FREP.			
CUT BLOCK ID	Y VARCHAR2	10	
Identifier for a cut block of a harvesting tenure (within a cutting permit for tenures with cp's) Historically captured when site added to FREP.			
CB SKEY	Y NUMBER	10	
The unique identifier for a cut block. Historically captured when site added to FREP.			
HVA SKEY	Y NUMBER	10	
The unique identifier for a harvesting authority (cutting permit) Historically captured when site added to FREP.			
OPENING PRIME LICENCE IND	Y VARCHAR2	1	
Prime block indicator for the opening. Historically captured when site added to FREP.			
DISTURBANCE END DATE	Y DATE		
For areas being Harvested, this date is associated with the actual or estimated completion of Harvesting. This date s/b entered as part of the regular logging inspection, and updated as required. The actual date will be when the status moves to S - Silv. Historically captured when site added to FREP.			
MGMT UNIT TYPE CODE	Y VARCHAR2	1	
Describes the type of MGMT UNIT TYPE. Historically captured when site added to FREP.			
MGMT UNIT ID	Y VARCHAR2	4	
The administrative management unit identifier defined by the ministry for managing the forest land, e.g. 41C. Historically captured when site added to FREP.			
EXHIBIT_AREA	Y NUMBER	11,4	
Estimated initial gross area of the cut block, in hectares, from the PHSP. Historically captured when site added to FREP.			
OPENING GROSS AREA	Y NUMBER	11,4	
Gross area of the opening, in hectares.			
DISTURBANCE GROSS AREA	Y NUMBER	11,4	
The total area that the opening encompasses (e.g., 120 Hectares). Historically captured when site added to FREP.			
NAR AREA	Y NUMBER	7,1	
A value in hectares for the net area to be reforested (NAR). The NAR is the total area under the prescription (TAUP) minus the area or no planned reforestation (NPR). Historically captured when site added to FREP.			
REVISION COUNT	N NUMBER	5	
Revision count used to serialize update of an entry in an Sql table.			
ENTRY USERID	N VARCHAR2	30	
The userid who entered the FREP SITE.			
<i>Change Log:</i>			
<i>Outstanding Issues:</i>			
<i>Implementation Notes:</i>			
<i>Miscellaneous:</i>			
ENTRY TIMESTAMP	N DATE		
The date and time of the entry.			
<i>Change Log:</i>			
<i>Outstanding Issues:</i>			

Entity Name:	FREP SELECTED SITE (cont'd)	Short Name:	FREPSS
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Implementation Notes:

Miscellaneous:

UPDATE USERID	N	VARCHAR2	30
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The userid who updated the information.

Change Log:

Outstanding Issues:

Implementation Notes:

Miscellaneous:

UPDATE TIMESTAMP	N	DATE	
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The date and time of the last update.

Change Log:

Outstanding Issues:

Implementation Notes:

Miscellaneous:

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

- MUST BE corresponds to one and only one CUT BLOCK OPEN ADMIN
- MAY BE Contains one and only one DISTURBANCE CODE
- MAY BE detailed by one and only one FILE CLIENT TYPE CODE
- MAY BE harvested by one and only one FOREST CLIENT
- MUST BE contained within one and only one FREP EVALUATION YEAR
- MAY BE described by one or more FREP RESOURCE VALUE
- MUST BE typed by one and only one FREP SELECTED SITE CODE
- MUST BE contained within one and only one ORG UNIT

* = Relationships in primary unique identifier.

Unique Identifiers:

- | | | |
|--|---------|---|
| FREPSS | Primary | N |
| MUST BE contained within one and only one FREP EVALUATION YEAR | | |
| OPENING ID | | |
| DRL SITE | Primary | Y |
| FREP SELECTED SITE ID | | |

Notes:

- Change Log:
- Outstanding Issues:
- Implementation Notes:
- Miscellaneous:

Entity Name: FREP SELECTED SITE CODE			<i>Short Name:</i>	FREPSSCD
<i>Plural:</i>	FREP SELECTED SITE CODE			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

Identifies selected sites from the randomly generated master list. Sites are either selected or unselected.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* FREP SELECTED SITE CODE		N	VARCHAR2	3
This is the code value for the District site selected from the Generated master list.				
<i>Change log:</i>				
DESCRIPTION		N	VARCHAR2	120
This is a description of the District site selected from the Generated master list.				
Background:				

The second step of the business process requires the District RSM team to select a district site for monitoring. District staff reviews the centrally generated list and select sites for monitoring based on criteria outline in the appropriate site selection protocol. The protocol requires that when a site is rejected, they document the reasons, and record this information for future reference.				
<i>Change log:</i>				
EFFECTIVE DATE		N	DATE	
The date the code value becomes effective.				
<i>Change log:</i>				
EXPIRY DATE		N	DATE	
The date the code value expires.				
<i>Change log:</i>				
UPDATE TIMESTAMP		N	DATE	
The date the code value is updated.				
<i>Change log:</i>				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE typed for one or more FREP SELECTED SITE

* = Relationships in primary unique identifier.

Unique Identifiers:

SELSITCOD	<i>Primary</i>	Y
FREP SELECTED SITE CODE		

Short Name: FREPSACD

Init. Volume: Avg. Volume:

Annual Growth Rate:

Identifies the type of access used to access the block.

<i>Name</i>	<u><i>Domain</i></u>	<u><i>Opt</i></u>	<i>Format</i>	<i>Length</i>
-------------	----------------------	-------------------	---------------	---------------

N VARCHAR2 4

DESCRIPTION	N VARCHAR2	120
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access types include:

Truck
ATV
Boat
Helicopter
Walk-in
Other

N DATE

EXPIRY DATE

N DATE

This is the date the code value expires.

UPDATE TIMESTAMP

N DATE

This is the date the code value is updated.

* = Attributes in primary unique identifier.

Each Occurrence Of This Entity:

MAY BE details one or more BIODIVERSITY CHECKLIST

MAY BE details one or more RIPARIAN CHECKLIST

* = Relationships in primary unique identifier.

SITACCCOD	Primary	Y
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FREP SITE ACCESS CODE

FSRRC

Annual Growth Rate:

Describes de FREP site status reason

* = Attributes in primary unique identifier.

* = Relationships in primary unique identifier.

FREP SITE RESOURCE REASON CODE

Entity Name: FREP TREE SPECIES CODE		<i>Short Name:</i>	FTS CODE
<i>Plural:</i>	FREP TREE SPECIES CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

FREP version of SILV_TREE_SPECIES_CODE including unknowns and others.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* FREP TREE SPECIES CODE		N	VARCHAR2	3
Code value for tree species.				
DESCRIPTION		N	VARCHAR2	120
Description of tree species code.				
EFFECTIVE DATE		N	DATE	
Date code goes into effect				
EXPIRY DATE		N	DATE	
Date code expires.				
UPDATE TIMESTAMP		N	DATE	
Date code was updated.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE typed for one or more BIODIVERSITY STAND DETAIL
MAY BE typed for one or more COARSE WOODY DEBRIS DETAIL
* = Relationships in primary unique identifier.

Unique Identifiers:

FTS CODE	Primary	Y
FREP TREE SPECIES CODE		

Short Name: HV AREA CD

Init. Volume: Avg. Volume:

Max. Volume:

Annual Growth Rate:

Defines the type of harvest area in the stratum

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
HARVEST AREA CODE		N	VARCHAR2	3
The code value to identify the type of harvest area within a stratum.				
DESCRIPTION		N	VARCHAR2	120
full description of the harvest area code value				
EFFECTIVE DATE		N	DATE	
The effective date of the harvest area code value				
EXPIRY DATE		N	DATE	
the expiry date of the harvest area code value				
UPDATE TIMESTAMP		N	DATE	
the update timestamp of the harvest area code value				
* = <i>Attributes in primary unique identifier.</i>				

Each Occurrence Of This Entity:

MAY BE typed for one or more BIODIVERSITY STRATUM

* = Relationships in primary unique identifier.

HV AREA CD	Primary	Y
HARVEST AREA CODE		

Entity Name: INVASIVE PLANT DISTRIB CODE		Short Name:	IPDC
Plural:	INVASIVE PLANT DISTRIB CODE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

- Describes the invasive plant distribution.
- Argument Code Description
- 1 - rare individual, a single occurrence
- 2 - few sporadically occurring individuals
- 3 - single patch or clump of a species
- 4 - several sporadically occurring individuals
- 5 - a few patches or clumps of a species
- 6 - several well-spaced patches or clumps
- 7 - continuous uniform occurrence of well-spaced individuals
- 8 - continuous occurrence of a species with a few gaps in the distribution
- 9 - continuous dense occurrence of a species

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* INVASIVE PLANT DISTRIB CODE		Y	VARCHAR2	1
A unique code to describe the invasive plant distribution.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- MAY BE describes one or more BIODIVERSITY INVASIVE PLANT
- * = Relationships in primary unique identifier.

Unique Identifiers:

IPDC	Primary	Y
INVASIVE PLANT DISTRIB CODE		

Entity Name: INVASIVE PLANT SPECIES		Short Name:	IPS
Plural:	INVASIVE PLANT SPECIES		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

Describes the invasive plant species.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* GENUS CODE		Y	VARCHAR2	4
A unique code describing the invasive plant species.				
* SPECIES CODE		Y	CHAR	3
Unique key for identifying certain species.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE describes one or more BIODIVERSITY INVASIVE PLANT

* = Relationships in primary unique identifier.

Unique Identifiers:

TSC	Primary	Y
GENUS CODE		
SPECIES CODE		

Entity Name: MIME TYPE CODE			<i>Short Name:</i> BIORIPMTCD		
<i>Plural:</i> MIME TYPE CODE					
<i>Init. Volume:</i>		<i>Avg. Volume:</i>		<i>Max. Volume:</i>	
			<i>Annual Growth Rate:</i>		

Description:

MIME - Multipurpose Internet Mail Extensions

A system used for the ASCII (American Standard for information interchange) encoding of binary data for transfer via email on the internet.

MIME codes are also used to let the browser know what type of file to expect when it has requested it. For instance, if a browser requests a GIF file, then the host will send in the CONTENT TYPE HEADER the MIME string to indicate that the file is indeed a GIF file and should be processed accordingly.

Likewise if the file requested is a .zip file then the host will return the string in the CONTENT TYPE HEADER to indicate it is a zip file. When the browser receives this MIME string it can act accordingly, whether that be simply displaying it or opening another program or plug-in to deal with the specified file type.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* MIME_TYPE_CODE		N	CHAR	3
The Code for the MIME ttype.				
DESCRIPTION		N	VARCHAR2	120
A full description of the MIME code.				
EFFECTIVE_DATE		N	DATE	
The date the MIME code becomes effective.				
EXPIRY_DATE		N	DATE	
The date the MIME code expires.				
UPDATE_TIMESTAMP		N	DATE	
The date the MIME code is updated.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE describes one or more BIODIVERSITY CHKLST ATTACH

MAY BE describes one or more RIPARIAN CHECKLIST ATTACH

* = Relationships in primary unique identifier.

Unique Identifiers:

MIMECD	Primary	Y
MIME_TYPE_CODE		

Entity Name: OPENING			Short Name:	OPENING
Plural:	OPENING			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:
The administrative boundary of an area of land on which silviculture activities are planned and completed.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* OPENING_ID		N	NUMBER	10
A unique ID that for an OPENING.				
MAPSHEET GRID		Y	VARCHAR2	3
NTG or BCGS grid. Values are 82, 83, 92, 93, 94, 95, 102, 103,104, 114.				
2003/01/10 HS: Changed optional from NO to YES				
MAPSHEET LETTER		Y	VARCHAR2	1
BCGS/NTG letter. Values are A - P, and W.				
2003/01/10 HS: Changed optional from NO to YES				
MAPSHEET SQUARE		Y	VARCHAR2	3
BCGS NUMBER or NTG NUMBER and LETTER. BCGS NUMBER values are 1-100, and NTG NUMBER values are 1-16 with NTG LETTER values A - H, and W.				
2003/01/10 HS: Changed optional from NO to YES				
MAPSHEET QUAD		Y	VARCHAR2	1
Quadrant. Blank if NTG number value entered; 0 - 4 if BCGS number entered.				
2003/01/10 HS: Changed optional from NO to YES				
MAPSHEET SUB QUAD		Y	VARCHAR2	1
Sub-Quadrant. Blank if NTG number value entered; 0 - 4 if BCGS number entered.				
2003/01/10 HS: Changed optional from NO to YES				
OPENING NUMBER		Y	VARCHAR2	4
An unique identifier up to four characters long that describes the opening on a specified mapsheet.				
2003/01/10 HS: Changed optional from NO to YES				
* = Attributes in primary unique identifier.				

Unique Identifiers:	
OPENING	Primary Y
OPENING_ID	

Entity Name: OPENING SPECIFIC IMPACT			Short Name: OP IMPACT	
Plural: OPENING SPECIFIC IMPACT				
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Opening specific impacts are factors that impact the riparian health of an opening. For example, logging machines, installation of roads...etc

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* OPENING SPECIFIC IMPACT ID		N	NUMBER	10
unique identifier of a specific riparian impact factor				
SPEC IMPACT IND		N	VARCHAR2	1
Answer wether specific impact is within the reach or above the reach.				
REVISION COUNT		N	NUMBER	5
Revision count used to serialize update of an entry in an Sql table.				
ENTRY USERID		N	VARCHAR2	30
user id that entered the record				
ENTRY TIMESTAMP		N	DATE	
time the user entered the record				
UPDATE USERID		N	VARCHAR2	30
user id that updated the record				
UPDATE TIMESTAMP		N	DATE	
date the record was updated				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MUST BE typed by one and only one OPENING SPECIFIC IMPACT TYPE
MUST BE impacts one and only one RIPARIAN CHECKLIST
* = Relationships in primary unique identifier.

Unique Identifiers:

OP IMPACT UNIQUE	Primary	N
MUST BE impacts one and only one RIPARIAN CHECKLIST		
MUST BE typed by one and only one OPENING SPECIFIC IMPACT TYPE		
OP IMPACT	Primary	Y
OPENING SPECIFIC IMPACT ID		

OPENING SPECIFIC IMPACT TYPE

Entity Name: ORG UNIT		<i>Short Name:</i> ORG UNIT
<i>Plural:</i> ORG UNIT		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i> <i>Annual Growth Rate:</i>

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.

This is an existing external table that contains the following attributes:

AREA_CODE
EFFECTIVE_DATE
EXPIRY_DATE
OFFICE_NAME_CODE
ORG_LEVEL_CODE
ORG_UNIT_CODE
ORG_UNIT_NAME
ORG_UNIT_NO
ROLLUP_DIST_CODE
ROLLUP_DIST_NO
ROLLUP_REGION_CODE
ROLLUP_REGION_NO
TELEPHONE_NO
UPDATE_TIMESTAMP

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* ORG UNIT NO		N	NUMBER	10
Unique identifier for an organizational unit within the Ministry of Forests.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE comprised of one or more FREP SELECTED SITE
* = Relationships in primary unique identifier.

Unique Identifiers:

ORG_UNIT	Primary	Y
ORG UNIT NO		

Entity Name: OTHER OPENING SPECIFIC IMPACT			<i>Short Name:</i>	OTH IMP
<i>Plural:</i>	OTHER OPENING SPEC IMPACT			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

Other opening specific impacts are factors that impact the riparian health of an opening that did not appear in the general list.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* OTHER OPENING SPEC IMPACT ID		N	NUMBER	10
Unique identifier for other specific impacts.				
DESCRIPTION		N	VARCHAR2	50
Description of other specific impact.				
SPEC IMPACT IND		N	VARCHAR2	1
Is impact within reach or above reach.				
REVISION COUNT		N	NUMBER	5
Revision count used to serialize update of an entry in an Sql table.				
ENTRY USERID		N	VARCHAR2	30
user id who entered the record.				
ENTRY TIMESTAMP		N	DATE	
date and time record was entered				
UPDATE USERID		N	VARCHAR2	30
The user id of the person who updated the information.				
UPDATE TIMESTAMP		N	DATE	
Date and time of most recent update				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MUST BE impacts one and only one RIPARIAN CHECKLIST

* = Relationships in primary unique identifier.

Unique Identifiers:

ORSI	Primary	Y
OTHER OPENING SPEC IMPACT ID		

BIOPLCD

Annual Growth Rate:

Describes the patch location in the Stratum.

* = Attributes in primary unique identifier.

* = Relationships in primary unique identifier.

PATCH LOCATION CODE

Short Name: ANSWER CS

Init. Volume: Avg. Volume: Max. Volume: Annual Growth Rate:

general impacts on the riparian areas effecting the assessment of the opening

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
RIPARIAN ANSWER IMPACT ID		N	NUMBER	10
unique identifier of a general riparian impact				
ANSWER IND		N	VARCHAR2	1
REVISION_COUNT		N	NUMBER	5
Revision count used to serialize update of an entry in an Sql table.				
ENTRY USERID		N	VARCHAR2	30
user id that entered the record				
ENTRY TIMESTAMP		N	DATE	
date the user entered the record				
UPDATE USERID		N	VARCHAR2	30
user id that last updated the record				
UPDATE TIMESTAMP		N	DATE	
date the record was last updated				
* = Attributes in primary unique identifier.				

Each Occurrence Of This Entity:

MUST BE typed by one and only one RIPARIAN ANSWER IMPACT TYPE

MUST BE impacts one and only one RIPARIAN CHECKLIST ANSWER

* = Relationships in primary unique identifier.

ANSWER CS_UNIQUE	Primary	N
<i>MUST BE impacts one and only one RIPARIAN CHECKLIST ANSWER</i>		
<i>MUST BE typed by one and only one RIPARIAN ANSWER IMPACT TYPE</i>		
IMPACT CS	Primary	Y
<i>RIPARIAN ANSWER IMPACT ID</i>		

Short Name: ANS IMP T

Init. Volume: Avg. Volume: Max. Volume: Annual Growth Rate:

table of valid riparian answer impact codes. Example, logging, cattle, manmade.

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* RIPARIAN ANSWER IMPACT TYPE		N	VARCHAR2	10
unique code describing a riparian impact code				
DESCRIPTION		N	VARCHAR2	50
detailed description of the question impact effectingthe riparian area				
SORT ORDER		Y	NUMBER	3
Number to order the questions for display				
EFFECTIVE DATE		N	DATE	
effective date of the code value				
EXPIRY DATE		N	DATE	
expiry date of the impact code				
UPDATE TIMESTAMP		N	DATE	
date the impact code was last updated				

* = *Attributes in primary unique identifier.*

Each Occurrence Of This Entity:

MAY BE types one or more RIPARIAN ANSWER IMPACT

* = Relationships in primary unique identifier.

IMPACT CD Primary Y

RIPARIAN ANSWER IMPACT TYPE

Entity Name: RIPARIAN CHANNEL MORPHOLOGY COI		Short Name:	RIPCMCD
Plural:	RIPARIAN CHAN MORPHOLOGY CODE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:
Describes the general characteristics of small to medium size streams.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* RIPARIAN CHAN MORPHOLOGY CODE		N	VARCHAR2	3
The code value for channel morphology.				
Change Log:				
DESCRIPTION		N	VARCHAR2	120
A full description of the morphology code.				
Options:				

Riffle Pool or Cascade pool;				
Step/pool;				
non alluvial				
Change Log:				
EFFECTIVE DATE		N	DATE	
The date the morphology code becomes effective.				
Change Log:				
EXPIRY DATE		N	DATE	
The date the morphology code expires.				
Change Log:				
UPDATE TIMESTAMP		N	DATE	
The date the morphology code is updated.				
Change Log:				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE typed by one or more RIPARIAN CHECKLIST
MAY BE typed for one or more RIPARIAN CHECKLIST QUESTION
MAY BE typed for one or more RIPARIAN OTHER IND TYPE
* = Relationships in primary unique identifier.

Unique Identifiers:

CM CODE	Primary	Y
RIPARIAN CHAN MORPHOLOGY CODE		

Entity Name: RIPARIAN CHECKLIST			<i>Short Name:</i>	RIPC
<i>Plural:</i>	RIPARIAN CHECKLIST			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:
A checklist used by district staff to assess the health of streams in an accepted opening.

Attributes:		<u><i>Name</i></u>	<u><i>Domain</i></u>	<u><i>Opt</i></u>	<u><i>Format</i></u>	<u><i>Length</i></u>
*	RIPARIAN CHECKLIST ID			N	NUMBER	10
	A unique ID for the riparian checklist.					
	<i>Change Log:</i>					
	<i>Outstanding Issues:</i>					
	<i>Implementation Notes:</i>					
	<i>Miscellaneous:</i>					
	SAMPLE NUMBER			Y	NUMBER	5
	Sample number is given to riparian checklists when more than one stream is measured for the same site on the same year.					
	RANGE USE PLAN			Y	VARCHAR2	50
	Range Use Plan reference.					
	PASTURE ID			Y	VARCHAR2	2
	Pasture Identification Number					
	STREAM NAME			Y	VARCHAR2	50
	Description of the stream					
	<i>Change Log:</i>					
	<i>Outstanding Issues:</i>					
	<i>Implementation Notes:</i>					
	<i>Miscellaneous:</i>					
	STREAM LOCATION IND			Y	VARCHAR2	1
	Select appropriate location indicator: options are IN BLOCK or BESIDE BLOCK					
	FIELD DATA STREAM REACH DRY			Y	VARCHAR2	1
	User entered value to indicate that the stream is dry. Values can be Y or null.					
	<i>Allowable Values of Attribute</i>					
	Y					
	N					
	PLN RIPARIAN STR NA IND			Y	VARCHAR2	1
	Planned stream RMA class code not available indicator					
	DISTANCE TO HARVEST EDGE			Y	NUMBER	5,2
	The distance to the harvest edge in meters					
	CHANNEL WIDTH			Y	NUMBER	3,1
	The width of the stream channel in metres.					
	<i>Change Log:</i>					
	<i>Outstanding Issues:</i>					
	<i>Implementation Notes:</i>					
	<i>Miscellaneous:</i>					
	CHANNEL GRADIENT PCT			Y	NUMBER	3

Entity Name:	RIPARIAN CHECKLIST (cont'd)	Short Name:	RPC
The gradient of the stream channel in percent.			
REACH LOCATION FROM	Y NUMBER	5,2	
This is the starting point from a known reference defined by the REACH_LOCATION_FROM_DESCRIPTION.			
REACH LOCATION TO	Y NUMBER	5,2	
This is the ending point with refernece to the starting point; namely, REACH LOCATION FROM.			
REACH LOCATION UPS DS IND	Y VARCHAR2	1	
This is the Upstream/downstream indicator when recording reach.			
REACH LOCATION FROM DESC	Y VARCHAR2	250	
This is a freeformat description of the reference point when measuring reach. For example, "Culvert entrance, main road" would be a typical description in this field.			
<i>Change Log:</i>			
<i>Outstanding Issues:</i>			
<i>Implementation Notes:</i>			
<i>Miscellaneous:</i>			
UTM SIGNAL	Y VARCHAR2	3	
Signifies that UTM signal is available			
UTM AT REFERENCE	Y VARCHAR2	2	
This identifies the UTM up stream(US) or down stream (DS) reference point of the reach a			
values for this are UD and DS			
<i>Change Log:</i>			
<i>Outstanding Issues:</i>			
<i>Implementation Notes:</i>			
<i>Miscellaneous:</i>			
UTM EASTING	Y NUMBER	10	
THE UTM east coordinate.			
UTM NORTHING	Y NUMBER	10	
The UTM North coordinate.			
UTM ZONE	Y NUMBER	2	
The UTM Zone location.			
the UTM system uses 60 zones, each 6 degrees of longitude wide. Each zone extends from 80°S latitude to 84°N latitude. The zones are numbered, starting with 1 which runs from the 180° to the 174°W line of longitude, with numbers increasing as you move west . Collectively, these zones cover almost the entire planet, omitting only the Arctic Ocean in the north and central Antarctica in the South.			
There are five UTM zones in the province of B.C..			
<i>Change Log:</i>			
<i>Outstanding Issues:</i>			
<i>Implementation Notes:</i>			
<i>Miscellaneous:</i>			
RMA ASSESSED	Y VARCHAR2	1	

Entity Name: RIPARIAN CHECKLIST (cont'd)		Short Name:	RIPC
The direction relative to coordinates used to assess the area.			
RTTN RMA DOMS ON PLANS PCT	Y NUMBER		3
The percentage of Riparian retention information in RMA in plans			
<i>Change Log:</i>			
<i>Outstanding Issues:</i>			
<i>Implementation Notes:</i>			
<i>Miscellaneous:</i>			
RTTN RMA DOMS ON PLANS IND	Y VARCHAR2		1
Indicator for when RMA dominants on plans is not available.			
RTTN RMA DOMS IN FIELD PCT	Y NUMBER		3
Percentage of Riparian retention information in RMA in field			
<i>Change Log:</i>			
<i>Outstanding Issues:</i>			
<i>Implementation Notes:</i>			
<i>Miscellaneous:</i>			
RTTN RMA UNDRSTRY ON PLANS PCT	Y NUMBER		3
the percentage of RMA = Riparian Management Area.			
Understory - The small trees, shrubs and herbs below the forest canopy. This can also refer to any plants growing under a canopy formed by other plants. .			
<i>Change Log:</i>			
<i>Outstanding Issues:</i>			
<i>Implementation Notes:</i>			
<i>Miscellaneous:</i>			
RTTN RMA UNDRSTRY ON PLANS IND	Y VARCHAR2		1
Indicator for when RMA understories on plans is not available.			
RTTN RMA UNDRSTRY IN FIELD PCT	Y NUMBER		3
The percentage of Riparian retention information in RMA in the field			
<i>Change Log:</i>			
<i>Outstanding Issues:</i>			
<i>Implementation Notes:</i>			
<i>Miscellaneous:</i>			
RTTN RRZ DOMS ON PLANS PCT	Y NUMBER		3
The percentage of Riparian retention information in RMA in plans			
<i>Change Log:</i>			
<i>Outstanding Issues:</i>			
<i>Implementation Notes:</i>			
<i>Miscellaneous:</i>			
RTTN RRZ DOMS ON PLANS IND	Y VARCHAR2		1
Indicator for when RRZ dominants on plans is not available.			

Entity Name: RIPARIAN CHECKLIST (cont'd)		Short Name:	RIPC
RTTN RRZ DOMS IN FIELD PCT	Y NUMBER	3	
The percentage of RRZ dominants & contaminamts in the field.			
<i>Change Log:</i>			
<i>Outstanding Issues:</i>			
<i>Implementation Notes:</i>			
<i>Miscellaneous:</i>			
RTTN RRZ DOMS IN FIELD	Y VARCHAR2	3	
Value for when RRZ dominants in Field is not numeric.			
RTTN RRZ UNDRSTRY ON PLANS PCT	Y NUMBER	3	
the percentage of understory on the plans for RRZ - Riparian Reserve Zone.			
<i>Change Log:</i>			
<i>Outstanding Issues:</i>			
<i>Implementation Notes:</i>			
<i>Miscellaneous:</i>			
RTTN RRZ UNDRSTRY ON PLANS IND	Y VARCHAR2	1	
Indicator for when RRZ understories on plans is not available.			
RTTN RRZ UNDRSTRY IN FIELD PCT	Y NUMBER	3	
The RRZ percentage of understory in the field for the RRZ.			
RRZ = Riparian Reserve Zone.			
<i>Change Log:</i>			
<i>Outstanding Issues:</i>			
<i>Implementation Notes:</i>			
<i>Miscellaneous:</i>			
RTTN RRZ UNDRSTRY IN FIELD	Y VARCHAR2	3	
Value for when RRZ understories in field is not numeric.			
RTTN RMZ DOMS ON PLANS PCT	Y NUMBER	3	
The percentage of RMZ dominants and and codominants in the RMZ = Riparian Management Zone.			
<i>Change Log:</i>			
<i>Outstanding Issues:</i>			
<i>Implementation Notes:</i>			
<i>Miscellaneous:</i>			
RTTN RMZ DOMS ON PLANS IND	Y VARCHAR2	1	
Indicator for when RMZ dominants on plans is not available.			
RTTN RMZ DOMS IN FIELD PCT	Y NUMBER	3	
The percentage of RMZ = Riparian Management Zone - dominants and codominants in the field.			
<i>Change Log:</i>			
<i>Outstanding Issues:</i>			
<i>Implementation Notes:</i>			

Entity Name: RIPARIAN CHECKLIST (cont'd)

Short Name:

RIPC

Miscellaneous:

RTTN RMZ UNDRSTRY ON PLANS PCT	Y	NUMBER	3
--------------------------------	---	--------	---

The percentage of understory on the plans in the RMZ - Riparian Management Zone.

*Change Log:**Outstanding Issues:**Implementation Notes:**Miscellaneous:*

RTTN RMZ UNDRSTRY ON PLANS IND	Y	VARCHAR2	1
--------------------------------	---	----------	---

Indicator for when RMZ understories on plans is not available.

RTTN RMZ UNDRSTRY IN FIELD PCT	Y	NUMBER	3
--------------------------------	---	--------	---

The percentage of Understory in the field for the RMZ - Riparian Management Zone.

*Change Log:**Outstanding Issues:**Implementation Notes:**Miscellaneous:*

CONCLUSION COMMENT	Y	VARCHAR2	2000
--------------------	---	----------	------

Freeformat answer to question: does the conclusion on functioning condition generally agree with your presonal opinion on the functioning condition of this stream reach? If not why not?

*Change Log:**Outstanding Issues:**Implementation Notes:**Miscellaneous:*

CONCLUSION COMMENT FLG	Y	VARCHAR2	1
------------------------	---	----------	---

Identifies if there is a conclusion comment. The possible values for this attribute are Y, N and NULL.

Allowable Values of Attribute

Y

N

SPECIFIC IMPACT COMMENT	Y	VARCHAR2	2000
-------------------------	---	----------	------

Freeformat answer to the question: Describe more specifically what the reasons were for the NO answers.

*Change Log:**Outstanding Issues:**Implementation Notes:**Miscellaneous:*

ASSESSMENT PROBLEMS COMMENT	Y	VARCHAR2	2000
-----------------------------	---	----------	------

Freeformat answer to the question: All no answers are weighted equally. Were any specific problems identified that affected the assessment more than others were?

*Change Log:**Outstanding Issues:*

Entity Name: RIPARIAN CHECKLIST (cont'd)

Short Name:

RIPC

*Implementation Notes:**Miscellaneous:*

ASSESSMENT PROBLEMS CMNT FLG	Y	VARCHAR2	1
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Identifies if there is an assessment problems comment. The possible values for this attribute are Y, N and NULL.

Allowable Values of Attribute

Y

N

MAP LEGIBILITY COMMENT	Y	VARCHAR2	2000
------------------------	---	----------	------

Freeformat answer to the question: have you marked the stream reach assessed on a map in a way that will be legible when photocopied?

*Change Log:**Outstanding Issues:**Implementation Notes:**Miscellaneous:*

MAP LEGIBILITY COMMENT FLG	Y	VARCHAR2	1
----------------------------	---	----------	---

Identifies if there is a map legibility comment. The possible values for this attribute are Y, N and NULL.

Allowable Values of Attribute

Y

N

LEAVE STRIP ASSESSMENT COMMENT	Y	VARCHAR2	2000
--------------------------------	---	----------	------

Freeformat answer to the question: Does the leave strip appear as indicated in plans or on plan maps?

*Change Log:**Outstanding Issues:**Implementation Notes:**Miscellaneous:*

LEAVE STRP ASSESSMENT CMNT FLG	Y	VARCHAR2	1
--------------------------------	---	----------	---

Identifies if there is a leave strip assessment comment. The possible values for this attribute are Y, N and NULL.

Allowable Values of Attribute

Y

N

CHECKLIST RECOMM COMMENT	Y	VARCHAR2	2000
--------------------------	---	----------	------

freeform answer to the question: Do you have any recommendations for improving the Riparian Effectiveness Routine evaluation Checklist or Protocol?

*Change Log:**Outstanding Issues:**Implementation Notes:**Miscellaneous:*

CHECKLIST RECOMM COMMENT FLG	Y	VARCHAR2	1
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Identifies if there is a checklist recommendation comment. The possible values for this

Entity Name:	RIPARIAN CHECKLIST (cont'd)	Short Name:	RIPC
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attribute are Y, N and NULL.			
Allowable Values of Attribute			
Y			
N			
NOTE DESCRIPTION	Y	VARCHAR2	2000
checklist note where evalutors can put information that isn't consistant with the other comment fields in the checklist			
BLOCK ACCESS TIME	Y	NUMBER	6,2
Time spent getting to the block.			
HOURS ON BLOCK	Y	NUMBER	6,2
Number of hours spent measuring on the block per person.			
PEOPLE ON BLOCK	Y	NUMBER	2
The number of people that worked on the checklist in the field.			
REVISION COUNT	N	NUMBER	5
Revision count used to serialize update of an entry in an Sql table.			
Change Log:			
Outstanding Issues:			
Implementation Notes:			
Miscellaneous:			
ENTRY USERID	N	VARCHAR2	30
The userid of the person who enters the information.			
ENTRY TIMESTAMP	N	DATE	
The date and time of the entry.			
UPDATE USERID	N	VARCHAR2	30
The userid ID of the person who updated the information.			
UPDATE TIMESTAMP	N	DATE	
The date and time of the last update.			
* = Attributes in primary unique identifier.			

Relationships:

Each Occurrence Of This Entity:

- MAY BE typed by one and only one FREP CHECKLIST STATUS CODE
 - MUST BE evaluates one and only one FREP RESOURCE VALUE
 - MAY BE detailed by one and only one FREP SITE ACCESS CODE
 - MAY BE impacted by one or more OPENING SPECIFIC IMPACT
 - MAY BE impacted by one or more OTHER OPENING SPEC IMPACT
 - MAY BE typed for one and only one RIPARIAN CHANNEL MORPHOLOGY CODE
 - MAY BE comprised of one or more RIPARIAN CHECKLIST ANSWER
 - MAY BE detailed by one or more RIPARIAN CHECKLIST ATTACH
 - MAY BE supported by one or more RIPARIAN CONTINUOUS IND
 - MAY BE Evaluated by one or more RIPARIAN EVALUATOR NAME
 - MAY BE identifies one or more RIPARIAN OTHER INDICATOR
 - MAY BE supported by one or more RIPARIAN POINT INDICATOR
 - MAY BE typed by one and only one RIPARIAN STREAM CONDITION CODE
 - MAY BE actually typed by one and only one RIPARIAN STREAM RMA CLASS CODE
 - MAY BE planned typed by one and only one RIPARIAN STREAM RMA CLASS CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

Entity Name:	RIPARIAN CHECKLIST (cont'd)	<i>Short Name:</i>	RIPC
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RIP_CHK

Primary Y

RIPARIAN CHECKLIST ID

RIPC A

Annual Growth Rate:

A summary level answer that indicates the status of various riparian elements

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
REVISION COUNT		N	NUMBER	10
Revision count used to serialize update of an entry in an Sql table.				
ENTRY USERID		N	VARCHAR2	30
The userid who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time of the entry.				
UPDATE USERID		N	VARCHAR2	30
The userid who updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				

* = Attributes in primary unique identifier.

Each Occurrence Of This Entity:

MUST BE typed by one and only one FREP CHECKLIST ANSWER CODE

MAY BE impacted by one or more RIPARIAN ANSWER IMPACT

* MUST BE comprises one and only one RIPARIAN CHECKLIST

* MUST BE typed by one and only one RIPARIAN CHECKLIST QUESTION

* = Relationships in primary unique identifier.

CHK_QUES	Primary	Y
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MUST BE typed by one and only one RIPARIAN CHECKLIST QUESTION

MUST BE comprises one and only one *RIPARIAN CHECKLIST*

Entity Name: RIPARIAN CHECKLIST ATTACHMENT			<i>Short Name:</i>	RIPCA
<i>Plural:</i>	RIPARIAN CHECKLIST ATTACH			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

An attachment is a supplemental piece of document. Some choices include a photograph, a document, or a map.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* RIPARIAN CHECKLIST ATTACH ID		N	NUMBER	10
A unique Id for the Checklist Attachment.				
DESCRIPTION		N	VARCHAR2	2000
A brief description of the attachment.				
FILE NAME		N	VARCHAR2	120
A fully qualified path name for the file contents.				
FILE CONTENTS		N	IMAGE	
The actual file contents.				
ENTRY USERID		N	VARCHAR2	30
the userid who entered the information.				
ENTRY TIMESTAMP		N	DATE	
the date/time of the entry.				
UPDATE USERID		N	VARCHAR2	30
The userid who updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date/time of the udpate.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MUST BE described by one and only one MIME TYPE CODE

MUST BE details one and only one RIPARIAN CHECKLIST

* = Relationships in primary unique identifier.

Unique Identifiers:

FR ATTACH	Primary	Y
RIPARIAN CHECKLIST ATTACH ID		

Entity Name: RIPARIAN CHECKLIST QUESTION			Short Name: RIP CHK QU
Plural:	RIPARIAN CHECKLIST QUESTION		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

This entity contains question descriptions for the Riparian checklist.

The combination of Riparian Checklist Question Code (Q1, Q2, ..etc), Riparian Channel Morphology Code (Riffle Pool, Step Pool, NULL..etc), and Sub Question (A, B, C, NULL ...etc) uniquely identify each question in the Riparian checklist.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* RIPARIAN CHECKLIST QUESTION ID		N	NUMBER	10
Unique identifier for a question				
SUB QUESTION		Y	VARCHAR2	1
Indicates that the record represents a riparian checklist sub question and its display order within the checklist. Values are a single letters (ex: A, B, C...etc)				
APPLICABLE INDICATOR		N	VARCHAR2	1
indicates if the "Not Applicable" answer is allowed for this question				
EFFECTIVE DATE		N	DATE	
date the question is effective				
EXPIRY DATE		N	DATE	
date the question expires				
UPDATE TIMESTAMP		N	DATE	
date this record was last updated				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE typed by one and only one RIPARIAN CHANNEL MORPHOLOGY CODE

MAY BE typed for one or more RIPARIAN CHECKLIST ANSWER

MUST BE typed by one and only one RIPARIAN CHECKLIST QUESTION SECTION CODE

MUST BE typed by one and only one RIPARIAN CHECKLIST QUESTION TYPE

MAY BE typed for one or more RIPARIAN_QUES_STREAM_RMA_XREF

* = Relationships in primary unique identifier.

Unique Identifiers:

RIP CHK QUES	Primary	N
MAY BE typed by one and only one RIPARIAN CHANNEL MORPHOLOGY CODE		
MUST BE typed by one and only one RIPARIAN CHECKLIST QUESTION SECTION CODE		
MUST BE typed by one and only one RIPARIAN CHECKLIST QUESTION TYPE		
RIP CHK QU	Primary	Y
RIPARIAN CHECKLIST QUESTION ID		

CHK_Q_COD	Primary	Y
RIP CHKLST QUES SECT CODE		

RIP CHECKLIST QUESTION TYPE

Entity Name: RIPARIAN CONTINUOUS INDICATOR			Short Name:	RIPCI
Plural:	RIPARIAN CONTINUOUS IND			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

The continuous indicator for the Riparian checklist.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* RIPARIAN CONTINUOUS IND ID		N	NUMBER	10
A unique ID for the continuous indicator question.				
COMMENTS		Y	VARCHAR2	250
This is the data or observations noted by the assessor for the continuous indicator question.				
TOTAL		Y	NUMBER	6,1
this is the total of the observation numbers recorded in the comments field. (user entered)				
REVISION COUNT		N	NUMBER	5
Revision count used to serialize update of an entry in an Sql table.				
ENTRY USERID		N	VARCHAR2	30
The userid who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The date/time of the entry.				
UPDATE USERID		N	VARCHAR2	30
The Userid who updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date/time of the update.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MUST BE supports one and only one RIPARIAN CHECKLIST
MUST BE typed by one and only one RIPARIAN CONTINUOUS INDICATOR TYPE
* = Relationships in primary unique identifier.

Unique Identifiers:

RIPCI_UNIQUE	Primary	N
MUST BE supports one and only one RIPARIAN CHECKLIST		
MUST BE typed by one and only one RIPARIAN CONTINUOUS INDICATOR TYPE		
CONT_IND	Primary	Y
RIPARIAN CONTINUOUS IND ID		

2007/08/20 (Rls. 3.0)- RPF: Field description increased from 120 to 250

Entity Name: RIPARIAN EVALUATOR NAME		<i>Short Name:</i>	RIP EN
<i>Plural:</i>	RIPARIAN EVALUATOR NAME		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

An evaluator is a person who fills out a checklist in the field.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* EVALUATOR NAME ID		N	NUMBER	10
EVALUATOR USERID		N	VARCHAR2	64
The UserId of the evaluator.				
EVALUATOR TEAM LEAD IND		N	VARCHAR2	1
Indicator to uniquely identify the team leader for a checklist.				
REVISION COUNT		N	NUMBER	5
Revision count used to serialize update of an entry in an Sql table.				
ENTRY USERID		N	VARCHAR2	30
UserId of person who entered the record.				
ENTRY TIMESTAMP		N	DATE	
Date the record was entered.				
UPDATE USERID		N	VARCHAR2	30
UserId of the person who updated the record.				
UPDATE TIMESTAMP		N	DATE	
Date the record was updated.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MUST BE Evaluates one and only one RIPARIAN CHECKLIST

* = Relationships in primary unique identifier.

Unique Identifiers:

RIP EN	<i>Primary</i>	Y
EVALUATOR NAME ID		

RIPARIAN OTHER IND TYPE ID

Entity Name: RIPARIAN OTHER INDICATOR			Short Name:	ROI
Plural:	RIPARIAN OTHER INDICATOR			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

There are a number of Riparian indicators that are categorized under specific impacts such as to Roads, Crossings. There are also a series of impacts that are general/not specific which are grouped together as 'Other indicators'. Thus these uncategorized indicators are contained within this entity.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* RIPARIAN OTHER INDICATOR ID		N	NUMBER	10
A unique id for the riparian other indicator				
RIPARIAN OTHER ANSWER IND		Y	VARCHAR2	1
The answer for the riparian other indicator type. The possible values are Y,N, or null				
REVISION COUNT		N	NUMBER	5
Revision count used to serialize update of an entry in an Sql table.				
ENTRY USERID		N	VARCHAR2	30
The userid of the person who enters the information.				
ENTRY TIMESTAMP		N	DATE	
The date and time of the entry.				
UPDATE USERID		N	VARCHAR2	30
The userid ID of the person who updated the information.				
UPDATE TIMESTAMP		N	DATE	
The date and time of the last update.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MUST BE is identified by one and only one RIPARIAN CHECKLIST
MUST BE typed by one and only one RIPARIAN OTHER IND TYPE
* = Relationships in primary unique identifier.

Unique Identifiers:

ROI_UK	Primary	N
MUST BE is identified by one and only one RIPARIAN CHECKLIST		
MUST BE typed by one and only one RIPARIAN OTHER IND TYPE		
ROI	Primary	Y
RIPARIAN OTHER INDICATOR ID		

Entity Name: RIPARIAN POINT INDICATOR			Short Name:	RIPPI
Plural:	RIPARIAN POINT INDICATOR			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:
A set of measures at various points along a reach.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* RIPARIAN POINT INDICATOR ID A unique Point Indicator ID.		N	NUMBER	10
MEASURE 1 Point Indciator measurement one of six.		Y	NUMBER	5,2
MEASURE 2 Point Indciator measurement two of six.		Y	NUMBER	5,2
MEASURE 3 Point Indciator measurement three of six.		Y	NUMBER	5,2
MEASURE 4 Point Indciator measurement four of six.		Y	NUMBER	5,2
MEASURE 5 Point Indciator measurement five of six.		Y	NUMBER	5,2
MEASURE 6 Point Indciator measurement six of six.		Y	NUMBER	5,2
MEAN The mean of the 6 point indicator measures.		Y	NUMBER	5,2
REVISION COUNT Revision count used to serialize update of an entry in an Sql table.		N	NUMBER	5
ENTRY USERID The userid who entered the information.		N	VARCHAR2	30
ENTRY TIMESTAMP The date/time of the entry.		N	DATE	
UPDATE USERID The Userid who updated the information.		N	VARCHAR2	30
UPDATE TIMESTAMP The date/time of the update.		N	DATE	
* = Attributes in primary unique identifier.				

Relationships:

<u>Each Occurrence Of This Entity:</u>
MUST BE supports one and only one RIPARIAN CHECKLIST
MUST BE typed by one and only one RIPARIAN POINT INDICATOR TYPE
* = Relationships in primary unique identifier.

Unique Identifiers:

RIPPI	Primary	Y
RIPARIAN POINT INDICATOR ID		

RIPARIAN POINT IND TYPE

Entity Name: RIPARIAN STREAM CONDITION CODE		<i>Short Name:</i>	RIPSCCD
<i>Plural:</i>	RIPARIAN STREAM CONDITION CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Determines the stream condition depending on the question results.

The number of "No" answers to the 15 main questions is used to arrive at a conclusion on the functioning condition of the reach, as follows:

0-2 No answers - the stream is in properly functioning condition.

3-4 No answers - the stream is in properly functioning condition, but at risk.

5-6 No answers - the stream is in properly functioning condition, but at high risk.

7 or more No answers - the stream and riparian habitat is not functioning properly.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* RIPARIAN STREAM CONDITION CODE		N	VARCHAR2	3
The code value for a specific stream condition.				
DESCRIPTION		N	VARCHAR2	120
A full description of the Stream condition code.				
Examples include:				
EFFECTIVE DATE		N	DATE	
The date the condition code becomes effective.				
EXPIRY DATE		N	DATE	
The date the condition code expires.				
UPDATE TIMESTAMP		N	DATE	
The date the condition code is updated.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE typed for one or more RIPARIAN CHECKLIST

* = Relationships in primary unique identifier.

Unique Identifiers:

S_COND_COD	Primary	Y
RIPARIAN STREAM CONDITION CODE		

Entity Name:	RIPARIAN STREAM RMA CLASS CODE			<i>Short Name:</i>	RIPSRCCD
<i>Plural:</i>	RIPARIAN STREAM RMA CLASS CODE				
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>		

Description:

List of stream classifications and their codes.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* RIPARIAN STREAM RMA CLASS CODE		N	VARCHAR2	3
The RMA Class Code.				
DESCRIPTION		N	VARCHAR2	120
A description of the RMA Class code.				
EFFECTIVE DATE		N	DATE	
The effective date of the RMA Class code.				
EXPIRY DATE		N	DATE	
The expiry date of the RMA Class code.				
UPDATE TIMESTAMP		N	DATE	
The date the RMA class code is updated.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- MAY BE actually typed for one or more RIPARIAN CHECKLIST
- MAY BE planned typed for one or more RIPARIAN CHECKLIST
- MAY BE typed for one or more RIPARIAN_QUES_STREAM_RMA_XREF
- * = Relationships in primary unique identifier.

Unique Identifiers:

SRMA_COD	Primary	Y
RIPARIAN STREAM RMA CLASS CODE		

Entity Name: RIPARIAN_QUES_STREAM_RMA_XREF			<i>Short Name:</i> RQSR_XREF
<i>Plural:</i>	RIPARIAN_QUES_STREAM_RMA_XREF		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

This entity contains valid combinations of RIPARIAN_CHECKLIST_QUESTION and RIPARIAN_STREAM_RMA_CLASS_CODE for filtering purposes.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
EFFECTIVE DATE		N	DATE	
date this value becomes effective				
EXPIRY DATE		N	DATE	
date this value expires				
UPDATE TIMESTAMP		N	DATE	
date this value was last updated				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MAY BE typed by one and only one RIPARIAN_CHECKLIST_QUESTION
- * MAY BE typed by one and only one RIPARIAN_STREAM_RMA_CLASS_CODE
- * = Relationships in primary unique identifier.

Unique Identifiers:

RQSR_XREF	Primary	Y
MAY BE typed by one and only one RIPARIAN_CHECKLIST_QUESTION		
MAY BE typed by one and only one RIPARIAN_STREAM_RMA_CLASS_CODE		

Entity Name: WILDLIFE TREE DECAY CLASS CODE			Short Name:	BIOWTTCD
Plural:	WILDLIFE TREE DECAY CLASS CODE			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:

Describes the Wildlife tree class codes as defined in the Biodiversity protocol document.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* WILDLIFE TREE DECAY CLASS CODE		N	VARCHAR2	3
A code value to representing the wildlife tree classification index value. Example follows:				
Wildlife Tree Classification example:				
1- Live, healthy, no obvious decay				
2- Live but unhealthy, internal decay evident, declining, deformed				
3- Recently dead, wood sound, fine branches intact				
4- Dead, wood relatively sound, fine branches fallen but larger limbs intact				
5- Dead, wood becoming spongy, most limbs fallen, bark mostly intact				
6- Dead, wood soft, limbs fallen, more than half the bark fallen, greater than 2/3 of tree height remaining erect				
7- Dead, wood soft, most of bark sloughed, less than 2/3 of tree height erect				
DESCRIPTION		N	VARCHAR2	120
A full description of the the weight class type code value.				
EFFECTIVE DATE		N	DATE	
The date the code value becomes effective.				
EXPIRY DATE		N	DATE	
The date the code value expires.				
UPDATE TIMESTAMP		N	DATE	
The date the code value is updated.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE typed for one or more BIODIVERSITY STAND DETAIL

* = Relationships in primary unique identifier.

Unique Identifiers:

WTCLASS_CD	Primary	Y
WILDLIFE TREE DECAY CLASS CODE		

Short Name: BIOWDCD

Init. Volume: Avg. Volume: Max. Volume: Annual Growth Rate:

Describes the Windthrow distribtion for a particular stratum.

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
WINDTHROW DISTRIBUTION CODE		N	VARCHAR2	3
A code value to describe the distribution of windthrow (blowdown).				
DESCRIPTION		N	VARCHAR2	120
A full description of the code value. Examples include: Edge,Internal or N/A.				
EFFECTIVE DATE		N	DATE	
The date the code value becomes effective .				
EXPIRY DATE		N	DATE	
the date the code value expired.				
UPDATE TIMESTAMP		N	DATE	
The date the code value is updated.				
* = <i>Attributes in primary unique identifier.</i>				

Each Occurrence Of This Entity:

MAY BE typed for one or more BIODIVERSITY STRATUM

* = Relationships in primary unique identifier.

WNDDIST CD Primary Y
WINDTHROW DISTRIBUTION CODE

Short Name: WIND DIST

Init. Volume: Avg. Volume: Max. Volume: Annual Growth Rate:

windthrow treatment describes the nature of wind damage observed on a particular stratum

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
WINDTHROW TREATMENT ID		N	NUMBER	10
Uniquely identifies an instance of windthrow treatment on a stratum				
ENTRY USERID		N	VARCHAR2	30
The userid who entered the information.				
ENTRY TIMESTAMP		N	DATE	
The time information was entered.				
UPDATE USERID		N	VARCHAR2	30
user id that updated the information				
UPDATE TIMESTAMP		N	DATE	
time the data was updated				
* = Attributes in primary unique identifier.				

Each Occurrence Of This Entity:

MUST BE describes one and only one BIODIVERSITY STRATUM

MUST BE typed by one and only one WINDTHROW TREATMENT CODE

* = Relationships in primary unique identifier.

WIND DIST	Primary	Y
WINDTHROW TREATMENT ID		

Short Name: BIOWTCD

Init. Volume: Avg. Volume: Max. Volume: Annual Growth Rate:

List of windthrow treatment codes.

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
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N VARCHAR2 3

DESCRIPTION	N VARCHAR2	120
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EFFECTIVE DATE	N DATE
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Each Occurrence Of This Entity:

* = Relationships in primary unique identifier.

WINDTHROW TREATMENT CODE

Index

BEC CODE TABLE, 1
BEC SITE SERIES, 2
BGC ZONE CODE, 3
BIODIVERSITY CHECKLIST, 4
BIODIVERSITY CHECKLIST ATTACHMENT, 8
BIODIVERSITY EVALUATOR NAME, 9
BIODIVERSITY INVASIVE PLANT, 10
BIODIVERSITY OPINION CODE, 11
BIODIVERSITY PLOT, 12
BIODIVERSITY STAND DETAIL, 16
BIODIVERSITY STRATA TYPE CODE, 17
BIODIVERSITY STRATUM, 18
COARSE WOODY DEBRIS DETAIL, 22
CUT BLOCK OPEN ADMIN, 24
CWD DECAY CLASS CODE, 25
DISTURBANCE CODE, 26
FILE CLIENT TYPE CODE, 27
FOR CLI AUDIT, 28
FOREST CLIENT, 29
FREP CHECKLIST ANSWER CODE, 30
FREP CHECKLIST STATUS CODE, 31
FREP EVALUATION YEAR, 32
FREP EVALUATION YEAR STATUS CODE, 34
FREP RESOURCE VALUE, 35
FREP RESOURCE VALUE STATUS CODE, 38
FREP RESOURCE VALUE TYPE CODE, 39
FREP SELECTED SITE, 40
FREP SELECTED SITE CODE, 43
FREP SITE ACCESS CODE, 44
FREP SITE RESOURCE REASON CODE, 45
FREP TREE SPECIES CODE, 46
HARVEST AREA CODE, 47
INVASIVE PLANT DISTRIB CODE, 48
INVASIVE PLANT SPECIES, 49
MIME TYPE CODE, 50
OPENING, 51
OPENING SPECIFIC IMPACT, 52
OPENING SPECIFIC IMPACT TYPE, 53
ORG UNIT, 54
OTHER OPENING SPECIFIC IMPACT, 55
PATCH LOCATION CODE, 56
RIPARIAN ANSWER IMPACT, 57
RIPARIAN ANSWER IMPACT TYPE, 58
RIPARIAN CHANNEL MORPHOLOGY CODE, 59
RIPARIAN CHECKLIST, 60
RIPARIAN CHECKLIST ANSWER, 68
RIPARIAN CHECKLIST ATTACHMENT, 69
RIPARIAN CHECKLIST QUESTION, 70
RIPARIAN CHECKLIST QUESTION SECTION CODE, 71
RIPARIAN CHECKLIST QUESTION TYPE, 72
RIPARIAN CONTINUOUS INDICATOR, 73
RIPARIAN CONTINUOUS INDICATOR TYPE, 74
RIPARIAN EVALUATOR NAME, 75
RIPARIAN OTHER IND TYPE, 76
RIPARIAN OTHER INDICATOR, 77
RIPARIAN POINT INDICATOR, 78
RIPARIAN POINT INDICATOR TYPE, 79
RIPARIAN STREAM CONDITION CODE, 80
RIPARIAN STREAM RMA CLASS CODE, 81
RIPARIAN_QUES_STREAM_RMA_XREF, 82
WILDLIFE TREE DECAY CLASS CODE, 83
WINDTHROW DISTRIBUTION CODE, 84
WINDTHROW TREATMENT, 85
WINDTHROW TREATMENT CODE, 86