

Table and Column Definitions Report

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Parameters

Workarea:	GLOBAL SHARED WORKAREA
Container:	GYS
Table / View / Materialized View:	%
Include Tables?	Y
Include Views?	Y
Include Materialized Views?	Y
Data Structure Diagram:	%
Exclude Prefix:	
Include Table / View / MV Descriptions?	Y
Include Table / View / MV Comments?	N
Include Column Descriptions?	Y
Include Column Comments?	N
Include Column Notes?	Y
Include Unique Constraints?	Y
Include Foreign Key Constraints?	Y
Include Check Constraints?	Y
Include Indexes?	Y

Table: BCGS_10K_GRID*Description:*

British Columbia Geographic Series 1:10 000 Mapsheet Grids. Taken from the xMELP arc warehouse, grids created in the BC Albers planar projections and as a result are segmented along lines of latitude in 15 second increments. The neat line has been defined in Latitude by the straight line segments joining the geographic sheet corners and calculated at each fifteen seconds Longitude. the neat line has been defined in Longitude by the straight line joining the geographic sheet corners.

-- The plane reference grid is the Universal Transverse Mercator Coordinate System (based on the 1983 North American Datum) along lines of latitude in ten second increments.

-- The vertical datum is mean sea level as established by the Geodetic Survey of Canada.

-- Each mapsheet is a fourth of a primary quadrangle numbered 1 through 4.

-- Each of the mapsheets is three minutes latitude by six minutes longitude

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MAP_TILE BCGS 1:10 000 Map number	NOT NULL	VARCHAR2(32)
2	MAP_TILE_DISPLAY_NAME BCGS 1:10 000 Map number - conforms to BCGS Specifications Document	NULL	VARCHAR2(32)
3	FCODE The MOEP standard numeric code to identify the type of feature represented by the spatial data.	NULL	VARCHAR2(10)
4	GEOMETRY SDE enabling key. This is a ArcSDE spatial column.	NULL	NUMBER(38)
5	ENTRY_TIMESTAMP Date/time the record was created.	NOT NULL	DATE
6	ENTRY_USERID ID of the user who created the record.	NOT NULL	VARCHAR2(30)
7	UPDATE_TIMESTAMP Date/time the record was last updated.	NULL	DATE
8	UPDATE_USERID ID of the user who last updated the record.	NULL	VARCHAR2(30)

Notes:

Source data model container is DBM_GRID_WHSE. The source database for the table is in the schema WHSE_BASEMAPPING. On all other MSRM database it will be made available in the CORP schema
Source replication WHSE_CORP in schema WHS_BASEMAPPING ---> then copied to CORP schemas

Table: BCGS_20K_GRID*Description:*

British Columbia Geographic Series 1:20 000 Mapsheet Grids. Taken from the xMELP arc warehouse, grids created in the BC Albers planar projections and as a result are segmented along lines of latitude in 15 second increments. The neat line has been defined in Latitude by the straight line segments joining the geographic sheet corners and calculated at each fifteen seconds Longitude. the neat line has been defined in Longitude by the straight line joining the geographic sheet corners.

-- The plane reference grid is the Universal Transverse Mercator Coordinate System (based on the 1983 North American Datum) along lines of latitude in ten second increments.

-- The vertical datum is mean sea level as established by the Geodetic Survey of Canada.

-- Each mapsheet is a hundredth of a primary quadrangle numbered 1 through 100.

-- Each of the mapsheets is six minutes latitude by twelve minutes longitude

Further information on the 1:20 000 mapping system is available at:

http://srmwww.gov.bc.ca/bmgs/trim/trim/trim_overview/trim_program.htm

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MAP_TILE BCGS 1:20 000 Map number	NOT NULL	VARCHAR2(32)
2	MAP_TILE_DISPLAY_NAME BCGS 1:20 000 Map number - conforms to BCGS Specifications Document	NULL	VARCHAR2(32)
3	GEOMETRY SDE enabling key. This is a ArcSDE spatial column.	NULL	NUMBER(38)
4	FCODE The MOEP standard numeric code to identify the type of feature represented by the spatial data.	NULL	VARCHAR2(10)
5	ENTRY_TIMESTAMP Date/time the record was created.	NOT NULL	DATE
6	ENTRY_USERID ID of the user who created the record.	NOT NULL	VARCHAR2(30)
7	UPDATE_TIMESTAMP Date/time the record was last updated.	NULL	DATE
8	UPDATE_USERID ID of the user who last updated the record.	NULL	VARCHAR2(30)

Notes:

Source data model container is DBM_GRID_WHSE. The source database for the table is in the schema WHSE_BASEMAPPING. On all other MSRM database it will be made available in the CORP schema

Table: BEC_CODE_TABLE*Description:*

The Biogeoclimatic Ecosystem Classification(BEC) table contains the complete set of valid combinations of biogeoclimatic Zone, Subzone, Variant and Phase. Any other combinations are not valid. "Undefined Subzones" (code un) are indicated in the provincial digital BEC map with a third letter indicating the BEC Region they occur in. This entity is a representation of the Valid BGC Map Codes Query found in BECdb which select distinct combinations of Zone, SubZone, Variant and Phase across all Regions (regardless of Region). In this way, this entity is really a rollup/query of detail data contained in BEC data collected in the field (by Region).

NOTE: This is a GYS-specific copy of the BEC CODE TABLE corporate table. The data is currently not clean enough to use the corporate table; if and when it is cleaned up, the switch can be made to the corporate table.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	BEC_CODE_ID Unique identifier for biogeoclimatic unit code.	NOT NULL	NUMBER(5)
2	BGC_ZONE_CODE A code uniquely identifying a Biogeoclimatic Zone of interest to MOF.	NULL	VARCHAR2(4)
3	BGC_SUBZONE_CODE A code uniquely identifying a Biogeoclimatic SubZone of interest to MOF. A code used to designate a division of a specific biogeoclimatic Zone; a geographic area with a fairly uniform regional climate and a typical pattern of vegetation and soils. Subzones are not unique. They are only meaningful in conjunction with a Zone.	NOT NULL	VARCHAR2(3)
4	VARIANT A one digit number used to denote a division of a specific biogeoclimatic subzone; A geographic area with a more specific regional climate. A variant has a specific pattern of vegetation and soils. Variants are only meaningful within a Zone and Subzone.	NULL	VARCHAR2(1)
5	PHASE A one character code used to denote an atypical area, resulting from local relief, in the regional climate of the subzones and variants. Phases are not unique. They only have meaning in combination with a specific Zone, Subzone and Variant.	NULL	VARCHAR2(1)
6	ZONE_NAME A descriptive name given to a large geographic area having similar patterns of energy flow, vegetation, and soils as a result of a broad, homogeneous macroclimate. Zone names describe the major vegetation contained within the zone.	NULL	VARCHAR2(35)
7	SUBZONE_NAME A descriptive name given to a division of the biogeoclimatic zone. Subzone names define the normal regional climate for the division of a biogeoclimatic zone.	NOT NULL	VARCHAR2(35)
8	VARIANT_NAME A descriptive name given to a division of the biogeoclimatic subzone. Variant names usually denote a location within the biogeoclimatic subzone e.g. Eastern or Okanagan areas within a subzone.	NULL	VARCHAR2(20)
9	PHASE_NAME A descriptive name given to an atypical area, resulting from local relief, in the regional climate of the subzones and variants. Phases may denote a different type of vegetation(e.g grassland within a Douglas Fir subzone), a difference in climatic conditions(e.g. Cold Air), etc.	NULL	VARCHAR2(15)
10	NOTES A comment on the Zone, Subzone, Variant, Phase.	NULL	VARCHAR2(72)
11	EFFECTIVE_DATE The date that this entry is effective.	NULL	DATE
12	EXPIRY_DATE The date that this entry is/becomes expired.	NULL	DATE
13	UPDATE_TIMESTAMP The date and time that this entry was last updated.	NULL	DATE

Foreign Keys:

BCT_BZC_FK
BGC_ZONE_CODE = BGC_ZONE_CODE.BGC_ZONE_CODE

Indexes:

BCT_BZC_FK_I
BGC_ZONE_CODE

Table: BEC_REGION_CODE*Description:*

The Biogeoclimatic Region of interest to MOF.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	BEC_REGION_CODE A code uniquely identifying a BEC Region.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A full description of the BEC Region Code. <i>A full description of the BEC Region Code.</i>	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date that the BEC Region entry has become effective.	NOT NULL	DATE
4	EXPIRY_DATE The date that the BEC Region entry has/will be expired.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: BEC_SITE_SERIES*Description:*

Within the BEC system, all sites capable of producing the same mature or climax plant communities within a biogeoclimatic subzone or variant. BEC Site Series is defined within a Region, Zone, Subzone, Variant and Phase, and therefore all parts help define the Site Series. As well, if there are more than one phase per site series, there will be a separate row to represent each Site Series Phase.

NOTE: This is a GYS-specific copy of the BEC SITE SERIES corporate table. The data is currently not clean enough to use the corporate table; if and when it is cleaned up, the switch can be made to the corporate table.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	BEC_SITE_SERIES_ID Assigned numeric identifier for a site series unique within a biogeoclimatic unit.	NOT NULL	NUMBER(5)
2	BEC_REGION_CODE A code uniquely identifying a BEC Region.	NULL	VARCHAR2(3)
3	BGC_ZONE_CODE A code uniquely identifying a Biogeoclimatic Zone of interest to MOF.	NULL	VARCHAR2(4)
4	BEC_SITE_SERIES_CD 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.	NOT NULL	VARCHAR2(4)
5	BGC_SUBZONE_CODE A code uniquely identifying a Biogeoclimatic SubZone of interest to MOF. A code used to designate a division of a specific biogeoclimatic Zone; a geographic area with a fairly uniform regional climate and a typical pattern of vegetation and soils. Subzones are not unique. They are only meaningful in conjunction with a Zone.	NOT NULL	VARCHAR2(3)
6	EFFECTIVE_DATE The date that this entry is effective.	NULL	DATE
7	VARIANT A one digit number used to denote a division of a specific biogeoclimatic subzone; A geographic area with a more specific regional climate. A variant has a specific pattern of vegetation and soils. Variants are only meaningful within a Zone and Subzone.	NULL	VARCHAR2(1)
8	PHASE A one character code used to denote an atypical area, resulting from local relief, in the regional climate of the subzones and variants. Phases are not unique. They only have meaning in combination with a specific Zone, Subzone and Variant.	NULL	VARCHAR2(1)
9	SITE_SERIES_PHASE_CD A subdivision of a site series used when site or soil properties differ sufficiently to affect management prescriptions.	NULL	VARCHAR2(3)
10	SITE_SERIES_VARIATION Site variation describes divergent vegetative trends or floristic features and is usually related to short-term successional factors and recent stand history.	NULL	NUMBER(1)
11	SERIAL Seral code; may be seral association (4 lower case alphabetic) or seral developmental or structural stage (2 upper case alphabetic)	NULL	VARCHAR2(4)
12	SITE_SERIES_DESCRIPTION A connotative label, made up of the names of the potentially dominant plant species for a site series.	NOT NULL	VARCHAR2(80)
13	EXPIRY_DATE The date that this entry is/becomes expired.	NULL	DATE
14	UPDATE_USERID The userid of the person who last updated this entry.	NULL	VARCHAR2(30)
15	UPDATE_TIMESTAMP The date and time that this entry was last updated.	NULL	DATE

Foreign Keys:

BSS_BRC_FK

BEC_REGION_CODE = BEC_REGION_CODE.BEC_REGION_CODE

BSS_BZC_FK

BGC_ZONE_CODE = BGC_ZONE_CODE.BGC_ZONE_CODE

Indexes:

Table: BEC_SITE_SERIES (cont'd)*Indexes:*

BSS_BRC_FK_I
BEC_REGION_CODE
BSS_BZC_FK_I
BGC_ZONE_CODE

Table: BGC_ZONE_CODE*Description:*

The Biogeoclimatic Zone of interest to MOF. 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.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	BGC_ZONE_CODE A code uniquely identifying a Biogeoclimatic Zone of interest to MOF.	NOT NULL	VARCHAR2(4)
2	DESCRIPTION A full description of the Biogeoclimatic Zone.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date that the entry has/will become effective.	NOT NULL	DATE
4	EXPIRY_DATE The date that the entry has/will be expired.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_ACCESS_NOTE*Description:*

An ACCESS NOTE is a narrative which provides instructions on the route to take to access a given sample

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
10	SAMPLE_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
* 20	ACCESS_NOTE_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
30	SEQ_NO Provides a sequence for the access note segments within a complete access note. One or more access note segments form the complete access note for the particular odometer reading. <i>HH Access:25 an_seqno</i>	NOT NULL	NUMBER(2)
40	ODOM_READING This is the actual odometer reading for this access note. <i>HH Access:17 an_odometr</i>	NULL	NUMBER(8,1)
50	ODOM_INCREMENT The distance since the last access note. <i>HH Access:27 an_od_inc</i>	NULL	NUMBER(8,1)
60	REMARKS This is a segment of the note describing the step or important feature along the route to the sample. All the segments for an odometer reading are joined together in AN_SEQNO sequence to form the complete access note. <i>HH Access:35 an_comment</i>	NULL	VARCHAR2(2000)
70	ENTRY_TIMESTAMP Date/time the record was created.	NOT NULL	DATE
80	ENTRY_USERID ID of the user who created the record.	NOT NULL	VARCHAR2(30)
90	UPDATE_TIMESTAMP Date/time the record was last updated.	NULL	DATE
100	UPDATE_USERID ID of the user who last updated the record.	NULL	VARCHAR2(30)

Foreign Keys:

GYS_AN_GYS_S_FK
SAMPLE_ID = GYS_SAMPLE.SAMPLE_ID

Indexes:

GYS_AN_GYS_S_FK_I
SAMPLE_ID

Table: GYS_AGENCY_TYPE_CODE*Description:*

An AGENCY TYPE CODE is a code that describes the type of agency that owns the sample. Applies when the sample owner is other than the government of B.C. Examples: F = Federal, I = Industrial.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	AGENCY_TYPE_CODE A code that describes the type of agency that owns the sample. Applies when the sample owner is other than the government of B.C. Examples: F = Federal, I = Industrial.	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_BEC_SOURCE_CODE*Description:*

A BEC SOURCE CODE is a code indicating the data source for the Biogeoclimatic Ecosystem e.g. M = from map, F = from field data.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	BEC_SOURCE_CODE	NOT NULL	VARCHAR2(10)
	A code indicating the data source for the Biogeoclimatic Ecosystem e.g. M = from map, F = from field data.		
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
	A description of this code.		
3	EFFECTIVE_DATE	NOT NULL	DATE
	Date/time the code is effective.		
4	EXPIRY_DATE	NOT NULL	DATE
	Date/time the code expires.		
5	UPDATE_TIMESTAMP	NOT NULL	DATE
	The date and time of the last update to this entry.		

Table: GYS_COMPILATION_LAYER_CODE*Description:*

A COMPILATION LAYER CODE is a code that assigns each tree to a layer for compilation. This was used in the now defunct sample compiler software for the VAX computer. Examples: V = Veteran layer, L = Logged, 2 = Layer 2

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	COMPILATION_LAYER_CODE A COMPILATION LAYER CODE is a code that assigns each tree to a layer for compilation. This was used in the now defunct sample compiler software for the VAX computer. Examples: V = Veteran layer, L = Logged, 2 = Layer 2	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_CROWN_CLASS_CODE*Description:*

Crown Class is a designation of trees in a forest with crowns of similar development and occupying similar position in the canopy. Crown classification applies to groups of trees. It refers to the position of the crown of the tree relative to all other trees within the general plot area, not the whole stand. Examples: 1 = Dominant, 4 = Suppressed

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CROWN_CLASS_CODE Crown Class is a designation of trees in a forest with crowns of similar development and occupying similar position in the canopy. Crown classification applies to groups of trees. It refers to the position of the crown of the tree relative to all other trees within the general plot area, not the whole stand. Examples: 1 = Dominant, 4 = Suppressed	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_DAMAGE_AGENT_SEVERITY_CODE*Description:*

A DAMAGE AGENT SEVERITY CODE is a code that describes the degree or nature of damage to a tree due to insect, disease or injury. The codes apply apply to both SED and Handheld data. Examples: RA - Red attack, mountain oine beetle, L = Low damage.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DAMAGE_AGENT_SEVERITY_CODE A single character code that describes the degree or nature of damage to a tree due to insect, disease or injury. Examples: RA - Red attack, mountain oine beetle, L = Low damage.	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_DAMAGE_AGENT_TYPE_CODE*Description:*

A DAMAGE AGENT TYPE CODE is a code that describes the species that has a damaged a tree or a sample measurement. Examples: A = Animal Damage, C = Cone and Seed Insects

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DAMAGE_AGENT_TYPE_CODE A code that describes the type of species that has damaged a tree. Examples: A = Animal Damage, C = Cone and Seed Insects.	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_DATA_COLLECTION_METHOD_CD*Description:*

A DATA COLLECTION METHOD CD is a code that identifies the input data source as SEDATA (Standard Edit Data) format or as collected in Handheld format. Values: CARD, HH.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DATA_COLLECTION_METHOD_CD A code that identifies the input data source as SEDATA (Standard Edit Data) format or as collected in Handheld format. Values: CARD, HH.	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_DATA_OWNER_CODE*Description:*

A DATA OWNER CODE is a code indicating the representative for the collected permanent ground sample and associated information e.g. BFP = British Columbia Forest Products, DLL = Dunkley Lumber Ltd.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DATA_OWNER_CODE A code indicating the representative for the collected permanent ground sample and associated information e.g. BFP = British Columbia Forest Products, DLL = Dunkley Lumber Ltd.	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_DEAD_TREE_TALLY**Description:**

A DEAD TREE TALLY is a count of the dead TREES in a given PLOT for a given tree species, categorized by metric Diameter at Breast Height (DBH) class

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DEAD_TREE_TALLY_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
2	PLOT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
3	SAMPLE_MEASUREMENT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
4	SPECIES_CODE A code which describes the genus or genus and species for a tree. Examples: H = Hemlock (Tsuga), Hm = Mountain hemlock (T. mertensiana)	NOT NULL	VARCHAR2(10)
5	CLASS_NO A class code describing Metric Diameter at Breast Height (DBH) range within which dead trees are tallied. Metric DBH Class 1 describes trees having a DBH in the range 2.6 cm to 7.5 cm, class 2 describes a range of 7.6 cm to 12.5 cm etc. SED 8:26 5cm=>1 SED 8:29 10cm=>2 SED 8:32 15cm=>3 SED 8:35 20cm=>4 SED 8:38 25cm=>5 SED 8:41 30cm=>6 SED 8:44 35cm=>7 SED 8:47 40cm=>8 SED 8:50 45cm=>9 SED 8:53 50cm=>10 SED 8:56 55cm+=>11	NOT NULL	NUMBER(2)
6	TREE_COUNT The total number of dead trees counted by species within a Metric Diameter at Breast Height (DBH) Class. SED 8:26 5cm SED 8:29 10cm SED 8:32 15cm SED 8:35 20cm SED 8:38 25cm SED 8:41 30cm SED 8:44 35cm SED 8:47 40cm SED 8:50 45cm SED 8:53 50cm SED 8:56 55cm+	NULL	NUMBER(4)
7	ENTRY_TIMESTAMP Date/time the record was created.	NOT NULL	DATE
8	ENTRY_USERID ID of the user who created the record.	NOT NULL	VARCHAR2(30)
9	UPDATE_TIMESTAMP Date/time the record was last updated.	NULL	DATE
10	UPDATE_USERID ID of the user who last updated the record.	NULL	VARCHAR2(30)

Foreign Keys:

GYS_DTT_GYS_P_FK
PLOT_ID = GYS_PLOT.PLOT_ID
GYS_DTT_GYS_SC_FK
SPECIES_CODE = GYS_SPECIES_CODE.SPECIES_CODE
GYS_DTT_GYS_SM_FK
SAMPLE_MEASUREMENT_ID = GYS_SAMPLE_MEASUREMENT.SAMPLE_MEASUREMENT_ID

Table: GYS_DEAD_TREE_TALLY (cont'd)*Indexes:*

GYS_DTT_GYS_P_FK_I

PLOT_ID

GYS_DTT_GYS_SC_FK_I

SPECIES_CODE

GYS_DTT_GYS_SM_FK_I

SAMPLE_MEASUREMENT_ID

Table: GYS_HEIGHT_SOURCE_CODE*Description:*

A HEIGHT SOURCE CODE is a code that represents the height source for a tree height loaded to oracle from the Standard Edit Data (SEDATA) format. Examples: M = Measured, E = Estimated, C = Calculated

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HEIGHT_SOURCE_CODE A code that represents the height source for a tree height loaded to oracle from the Standard Edit Data (SEDATA) format. Examples: M = Measured, E = Estimated, C = Calculated	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_HH_ACCESS*Description:*

This is a temporary table used to load the following main table: GYS ACCESS NOTE
 Corresponds to a record in the ACCESS table for Handheld-format input data.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAGING_AREA_ID Retrofitted from column STAGING_AREA_ID of table GRY_HH_ACCESS	NOT NULL	NUMBER(38)
* 2	LINE_NUMBER Retrofitted from column LINE_NUMBER of table GRY_HH_ACCESS	NOT NULL	NUMBER(38)
3	DB_KEY Retrofitted from column DB_KEY of table GRY_HH_ACCESS	NULL	VARCHAR2(16)
4	AN_ODOMETR Retrofitted from column AN_ODOMETR of table GRY_HH_ACCESS	NULL	NUMBER(8,1)
5	AN_SEQNO Retrofitted from column AN_SEQNO of table GRY_HH_ACCESS	NULL	NUMBER(38)
6	AN_OD_INC Retrofitted from column AN_OD_INC of table GRY_HH_ACCESS	NULL	NUMBER(8,1)
7	AN_COMMENT Retrofitted from column AN_COMMENT of table GRY_HH_ACCESS	NULL	VARCHAR2(60)

Table: GYS_HH_DOT*Description:*

This is a temporary table used to load the following main table: GYS METRIC DBH CLASS COUNT
Corresponds to a record in the DOT table for Handheld-format input data.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAGING_AREA_ID Retrofitted from column STAGING_AREA_ID of table GRY_HH_DOT	NOT NULL	NUMBER(38)
* 2	LINE_NUMBER Retrofitted from column LINE_NUMBER of table GRY_HH_DOT	NOT NULL	NUMBER(38)
3	DB_KEY Retrofitted from column DB_KEY of table GRY_HH_DOT	NULL	VARCHAR2(16)
4	PL_PLOT_NO Retrofitted from column PL_PLOT_NO of table GRY_HH_DOT	NULL	NUMBER(38)
5	SM_MEAS_NO Retrofitted from column SM_MEAS_NO of table GRY_HH_DOT	NULL	NUMBER(38)
6	DC_SPECIES Retrofitted from column DC_SPECIES of table GRY_HH_DOT	NULL	VARCHAR2(3)
7	DC_CLASS0 Retrofitted from column DC_CLASS0 of table GRY_HH_DOT	NULL	NUMBER(38)
8	DC_CLASS1 Retrofitted from column DC_CLASS1 of table GRY_HH_DOT	NULL	NUMBER(38)
9	DC_CLASS2 Retrofitted from column DC_CLASS2 of table GRY_HH_DOT	NULL	NUMBER(38)
10	DC_CLASS3 Retrofitted from column DC_CLASS3 of table GRY_HH_DOT	NULL	NUMBER(38)
11	DC_CLASS4 Retrofitted from column DC_CLASS4 of table GRY_HH_DOT	NULL	NUMBER(38)
12	DC_CLASS5 Retrofitted from column DC_CLASS5 of table GRY_HH_DOT	NULL	NUMBER(38)
13	DC_CLASS6 Retrofitted from column DC_CLASS6 of table GRY_HH_DOT	NULL	NUMBER(38)
14	DC_CLASS7 Retrofitted from column DC_CLASS7 of table GRY_HH_DOT	NULL	NUMBER(38)
15	DC_CLASS8 Retrofitted from column DC_CLASS8 of table GRY_HH_DOT	NULL	NUMBER(38)
16	DC_CLASS9 Retrofitted from column DC_CLASS9 of table GRY_HH_DOT	NULL	NUMBER(38)
17	DC_CLASS10 Retrofitted from column DC_CLASS10 of table GRY_HH_DOT	NULL	NUMBER(38)
18	DC_CLASS11 Retrofitted from column DC_CLASS11 of table GRY_HH_DOT	NULL	NUMBER(38)
19	CR_DATE Retrofitted from column CR_DATE of table GRY_HH_DOT	NULL	DATE
20	CR_TIME Retrofitted from column CR_TIME of table GRY_HH_DOT	NULL	VARCHAR2(8)
21	LU_DATE Retrofitted from column LU_DATE of table GRY_HH_DOT	NULL	DATE
22	LU_TIME Retrofitted from column LU_TIME of table GRY_HH_DOT	NULL	VARCHAR2(8)
23	CR_MODE Retrofitted from column CR_MODE of table GRY_HH_DOT	NULL	VARCHAR2(1)
24	LU_MODE Retrofitted from column LU_MODE of table GRY_HH_DOT	NULL	VARCHAR2(1)

Table: GYS_HH_DT_TALLY*Description:*

This is a temporary table used to load the following main table: None currently.
Corresponds to a record in the DT TALLY table for Handheld-format input data.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAGING_AREA_ID Retrofitted from column STAGING_AREA_ID of table GRY_HH_DT_TALLY	NOT NULL	NUMBER(38)
* 2	LINE_NUMBER Retrofitted from column LINE_NUMBER of table GRY_HH_DT_TALLY	NOT NULL	NUMBER(38)
3	DB_KEY Retrofitted from column DB_KEY of table GRY_HH_DT_TALLY	NULL	VARCHAR2(16)
4	PL_PLOT_NO Retrofitted from column PL_PLOT_NO of table GRY_HH_DT_TALLY	NULL	NUMBER(38)
5	TR_TREE_NO Retrofitted from column TR_TREE_NO of table GRY_HH_DT_TALLY	NULL	NUMBER(38)

Table: GYS_HH_PASS_2_MESSAGE*Description:*

This is a temporary table for storing Pass 2 Validation error messages for the Handheld input data. These error messages are retrieved by the client application.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ID	NOT NULL	NUMBER(10,0)
2	STAGING_AREA_ID	NULL	NUMBER
	Identifies the STAGING AREA ID of the sample measurement to which this error message applies. The STAGING AREA ID is assigned from a sequence to each sample measurement loaded into the Handheld temporary "staging area" tables.		
3	TIMESTAMP	NULL	DATE
	Date/time the record was created.		
4	MESSAGE	NULL	VARCHAR2(255)
	An error message generated during Pass 2 validation of the Handheld data.		

Table: GYS_HH_PLOT*Description:*

This is a temporary table used to load the following main table: GYS PLOT
Corresponds to a record in the PLOT table for Handheld-format input data.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAGING_AREA_ID Retrofitted from column STAGING_AREA_ID of table GRY_HH_PLOT	NOT NULL	NUMBER(38)
* 2	LINE_NUMBER Retrofitted from column LINE_NUMBER of table GRY_HH_PLOT	NOT NULL	NUMBER(38)
3	DB_KEY Retrofitted from column DB_KEY of table GRY_HH_PLOT	NULL	VARCHAR2(16)
4	PL_PLOT_NO Retrofitted from column PL_PLOT_NO of table GRY_HH_PLOT	NULL	NUMBER(38)
5	PL_ASPECT Retrofitted from column PL_ASPECT of table GRY_HH_PLOT	NULL	NUMBER(38)
6	PL_SLOPE Retrofitted from column PL_SLOPE of table GRY_HH_PLOT	NULL	NUMBER(38)
7	PL_SL_POS Retrofitted from column PL_SL_POS of table GRY_HH_PLOT	NULL	VARCHAR2(1)
8	PL_ELEVATE Retrofitted from column PL_ELEVATE of table GRY_HH_PLOT	NULL	NUMBER(38)
9	PL_RADIUS Retrofitted from column PL_RADIUS of table GRY_HH_PLOT	NULL	NUMBER(5,2)
10	PL_AREA Retrofitted from column PL_AREA of table GRY_HH_PLOT	NULL	NUMBER(6,4)
11	PL_LGTH Retrofitted from column PL_LGTH of table GRY_HH_PLOT	NULL	NUMBER(6,2)
12	PL_WDTH Retrofitted from column PL_WDTH of table GRY_HH_PLOT	NULL	NUMBER(6,2)
13	PL_BA_FCTR Retrofitted from column PL_BA_FCTR of table GRY_HH_PLOT	NULL	NUMBER(6,3)
14	PL_OS_BEAR Retrofitted from column PL_OS_BEAR of table GRY_HH_PLOT	NULL	NUMBER(38)
15	PL_OS_SLOP Retrofitted from column PL_OS_SLOP of table GRY_HH_PLOT	NULL	NUMBER(38)
16	PL_OSSDIST Retrofitted from column PL_OSSDIST of table GRY_HH_PLOT	NULL	NUMBER(5,2)
17	PL_SUB_RAD Retrofitted from column PL_SUB_RAD of table GRY_HH_PLOT	NULL	NUMBER(5,2)
18	PL_SUBAREA Retrofitted from column PL_SUBAREA of table GRY_HH_PLOT	NULL	NUMBER(6,4)
19	PL_SUB_BA Retrofitted from column PL_SUB_BA of table GRY_HH_PLOT	NULL	NUMBER(6,3)
20	PL_ING_RAD Retrofitted from column PL_ING_RAD of table GRY_HH_PLOT	NULL	NUMBER(4,2)
21	PL_STK_OK Retrofitted from column PL_STK_OK of table GRY_HH_PLOT	NULL	VARCHAR2(1)
22	COUNT_A Retrofitted from column COUNT_A of table GRY_HH_PLOT	NULL	NUMBER(38)
23	PL_NUM_SEC Retrofitted from column PL_NUM_SEC of table GRY_HH_PLOT	NULL	NUMBER(38)
24	TR_TREE_NO Retrofitted from column TR_TREE_NO of table GRY_HH_PLOT	NULL	NUMBER(38)
25	PL_LW_DEFN Retrofitted from column PL_LW_DEFN of table GRY_HH_PLOT	NULL	VARCHAR2(1)
26	COUNT_B Retrofitted from column COUNT_B of table GRY_HH_PLOT	NULL	NUMBER(38)
27	CR_DATE Retrofitted from column CR_DATE of table GRY_HH_PLOT	NULL	DATE

Table: GYS_HH_PLOT (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
28	CR_TIME	NULL	VARCHAR2(8)
	Retrofitted from column CR_TIME of table GRY_HH_PLOT		
29	LU_DATE	NULL	DATE
	Retrofitted from column LU_DATE of table GRY_HH_PLOT		
30	LU_TIME	NULL	VARCHAR2(8)
	Retrofitted from column LU_TIME of table GRY_HH_PLOT		
31	CR_MODE	NULL	VARCHAR2(1)
	Retrofitted from column CR_MODE of table GRY_HH_PLOT		
32	LU_MODE	NULL	VARCHAR2(1)
	Retrofitted from column LU_MODE of table GRY_HH_PLOT		
33	PL_TL_BEAR	NULL	NUMBER(3)
	Retrofitted from column PL_TL_BEAR of table GRY_HH_PLOT		
34	PL_TL_DIST	NULL	NUMBER(5,1)
	Retrofitted from column PL_TL_DIST of table GRY_HH_PLOT		

Table: GYS_HH_SAMPLE*Description:*

This is a temporary table used to load the following main tables: GYS SAMPLE, GYS SAMPLE MEASUREMENT, GYS PLOT

Corresponds to a record in the SAMPLE table for Handheld-format input data.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAGING_AREA_ID Retrofitted from column STAGING_AREA_ID of table GRY_HH_SAMPLE	NOT NULL	NUMBER(38)
* 2	LINE_NUMBER Retrofitted from column LINE_NUMBER of table GRY_HH_SAMPLE	NOT NULL	NUMBER(38)
3	DB_KEY Retrofitted from column DB_KEY of table GRY_HH_SAMPLE	NULL	VARCHAR2(16)
4	SA_CSAMP Retrofitted from column SA_CSAMP of table GRY_HH_SAMPLE	NULL	VARCHAR2(14)
5	SA_SMC Retrofitted from column SA_SMC of table GRY_HH_SAMPLE	NULL	VARCHAR2(1)
6	SA_D13 Retrofitted from column SA_D13 of table GRY_HH_SAMPLE	NULL	VARCHAR2(1)
7	SA_D137 Retrofitted from column SA_D137 of table GRY_HH_SAMPLE	NULL	VARCHAR2(1)
8	SA_BRKPNT Retrofitted from column SA_BRKPNT of table GRY_HH_SAMPLE	NULL	NUMBER(4,1)
9	SA_DIA_HT Retrofitted from column SA_DIA_HT of table GRY_HH_SAMPLE	NULL	VARCHAR2(1)
10	SA_UZONE Retrofitted from column SA_UZONE of table GRY_HH_SAMPLE	NULL	NUMBER(38)
11	SA_EASTING Retrofitted from column SA_EASTING of table GRY_HH_SAMPLE	NULL	NUMBER(38)
12	SA_NORTHNG Retrofitted from column SA_NORTHNG of table GRY_HH_SAMPLE	NULL	NUMBER(38)
13	SA_METHOD Retrofitted from column SA_METHOD of table GRY_HH_SAMPLE	NULL	VARCHAR2(1)
14	SA_PROJ_NO Retrofitted from column SA_PROJ_NO of table GRY_HH_SAMPLE	NULL	NUMBER(38)
15	SA_ESTB_YR Retrofitted from column SA_ESTB_YR of table GRY_HH_SAMPLE	NULL	NUMBER(38)
16	SA_SLCTLOG Retrofitted from column SA_SLCTLOG of table GRY_HH_SAMPLE	NULL	VARCHAR2(1)
17	DUMMY_A Retrofitted from column DUMMY_A of table GRY_HH_SAMPLE	NULL	VARCHAR2(1)
18	SA_ORIGIN Retrofitted from column SA_ORIGIN of table GRY_HH_SAMPLE	NULL	VARCHAR2(1)
19	SA_STATUS Retrofitted from column SA_STATUS of table GRY_HH_SAMPLE	NULL	VARCHAR2(1)
20	SA_PLNT_YR Retrofitted from column SA_PLNT_YR of table GRY_HH_SAMPLE	NULL	NUMBER(38)
21	SA_AGE_STK Retrofitted from column SA_AGE_STK of table GRY_HH_SAMPLE	NULL	NUMBER(38)
22	SA_ACT_HT Retrofitted from column SA_ACT_HT of table GRY_HH_SAMPLE	NULL	NUMBER(4,1)
23	SA_MAP_NO Retrofitted from column SA_MAP_NO of table GRY_HH_SAMPLE	NULL	VARCHAR2(8)
24	SA_POLY_NO Retrofitted from column SA_POLY_NO of table GRY_HH_SAMPLE	NULL	NUMBER(38)
25	SA_FLT_NO Retrofitted from column SA_FLT_NO of table GRY_HH_SAMPLE	NULL	VARCHAR2(5)
26	SA_PHOTONO Retrofitted from column SA_PHOTONO of table GRY_HH_SAMPLE	NULL	NUMBER(38)
27	SA_PHOTO70	NULL	VARCHAR2(1)

Table: GYS_HH_SAMPLE (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	Retrofitted from column SA_PHOTO70 of table GRY_HH_SAMPLE		
28	SA_PHOTO_X	NULL	NUMBER(38)
	Retrofitted from column SA_PHOTO_X of table GRY_HH_SAMPLE		
29	SA_PHOTO_Y	NULL	NUMBER(38)
	Retrofitted from column SA_PHOTO_Y of table GRY_HH_SAMPLE		
30	SA_BZONE	NULL	VARCHAR2(4)
	Retrofitted from column SA_BZONE of table GRY_HH_SAMPLE		
31	SA_SUB_ZN	NULL	VARCHAR2(3)
	Retrofitted from column SA_SUB_ZN of table GRY_HH_SAMPLE		
32	SA_VARIANT	NULL	NUMBER(38)
	Retrofitted from column SA_VARIANT of table GRY_HH_SAMPLE		
33	SA_PHASE	NULL	VARCHAR2(1)
	Retrofitted from column SA_PHASE of table GRY_HH_SAMPLE		
34	SA_ASSOC	NULL	NUMBER(38)
	Retrofitted from column SA_ASSOC of table GRY_HH_SAMPLE		
35	SA_SUBASSO	NULL	NUMBER(38)
	Retrofitted from column SA_SUBASSO of table GRY_HH_SAMPLE		
36	SA_SUBPHAS	NULL	VARCHAR2(1)
	Retrofitted from column SA_SUBPHAS of table GRY_HH_SAMPLE		
37	SA_EDATOPE	NULL	VARCHAR2(4)
	Retrofitted from column SA_EDATOPE of table GRY_HH_SAMPLE		
38	SA_TREATT1	NULL	VARCHAR2(1)
	Retrofitted from column SA_TREATT1 of table GRY_HH_SAMPLE		
39	SA_TREATD1	NULL	DATE
	Retrofitted from column SA_TREATD1 of table GRY_HH_SAMPLE		
40	SA_TREATT2	NULL	VARCHAR2(1)
	Retrofitted from column SA_TREATT2 of table GRY_HH_SAMPLE		
41	SA_TREATD2	NULL	DATE
	Retrofitted from column SA_TREATD2 of table GRY_HH_SAMPLE		
42	SA_TREATT3	NULL	VARCHAR2(1)
	Retrofitted from column SA_TREATT3 of table GRY_HH_SAMPLE		
43	SA_TREATD3	NULL	DATE
	Retrofitted from column SA_TREATD3 of table GRY_HH_SAMPLE		
44	SA_TREATT4	NULL	VARCHAR2(1)
	Retrofitted from column SA_TREATT4 of table GRY_HH_SAMPLE		
45	SA_TREATD4	NULL	DATE
	Retrofitted from column SA_TREATD4 of table GRY_HH_SAMPLE		
46	PL_PLOT_NO	NULL	NUMBER(38)
	Retrofitted from column PL_PLOT_NO of table GRY_HH_SAMPLE		
47	SA_NAD	NULL	NUMBER(38)
	Retrofitted from column SA_NAD of table GRY_HH_SAMPLE		
48	SA_LN_SWP	NULL	VARCHAR2(1)
	Retrofitted from column SA_LN_SWP of table GRY_HH_SAMPLE		
49	CR_DATE	NULL	DATE
	Retrofitted from column CR_DATE of table GRY_HH_SAMPLE		
50	CR_TIME	NULL	VARCHAR2(8)
	Retrofitted from column CR_TIME of table GRY_HH_SAMPLE		
51	SA_GRP_SEC	NULL	VARCHAR2(1)
	Retrofitted from column SA_GRP_SEC of table GRY_HH_SAMPLE		
52	LU_DATE	NULL	DATE
	Retrofitted from column LU_DATE of table GRY_HH_SAMPLE		
53	LU_TIME	NULL	VARCHAR2(8)
	Retrofitted from column LU_TIME of table GRY_HH_SAMPLE		
54	CR_MODE	NULL	VARCHAR2(1)
	Retrofitted from column CR_MODE of table GRY_HH_SAMPLE		
55	LU_MODE	NULL	VARCHAR2(1)
	Retrofitted from column LU_MODE of table GRY_HH_SAMPLE		
56	SA_SPECPRG	NULL	VARCHAR2(1)

Table: GYS_HH_SAMPLE (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	Retrofitted from column SA_SPECPRG of table GRY_HH_SAMPLE		
57	SA_FOR_REG	NULL	VARCHAR2(3)
	Retrofitted from column SA_FOR_REG of table GRY_HH_SAMPLE		
58	SA_TSA	NULL	NUMBER(38)
	Retrofitted from column SA_TSA of table GRY_HH_SAMPLE		
59	SA_TFL	NULL	NUMBER(38)
	Retrofitted from column SA_TFL of table GRY_HH_SAMPLE		
60	SA_OPENING	NULL	NUMBER(38)
	Retrofitted from column SA_OPENING of table GRY_HH_SAMPLE		
61	SA_BGCTRAN	NULL	VARCHAR2(1)
	Retrofitted from column SA_BGCTRAN of table GRY_HH_SAMPLE		
62	SA_SMOISTD	NULL	VARCHAR2(1)
	Retrofitted from column SA_SMOISTD of table GRY_HH_SAMPLE		
63	SA_SMOISTS	NULL	VARCHAR2(1)
	Retrofitted from column SA_SMOISTS of table GRY_HH_SAMPLE		
64	SA_SMOISTR	NULL	VARCHAR2(2)
	Retrofitted from column SA_SMOISTR of table GRY_HH_SAMPLE		
65	SA_SNUTRIS	NULL	VARCHAR2(1)
	Retrofitted from column SA_SNUTRIS of table GRY_HH_SAMPLE		
66	SA_SNUTRIR	NULL	VARCHAR2(2)
	Retrofitted from column SA_SNUTRIR of table GRY_HH_SAMPLE		
67	SA_SS1	NULL	NUMBER(2)
	Retrofitted from column SA_SS1 of table GRY_HH_SAMPLE		
68	SA_SS1_PH	NULL	VARCHAR2(2)
	Retrofitted from column SA_SS1_PH of table GRY_HH_SAMPLE		
69	SA_SS1_PP	NULL	NUMBER(38)
	Retrofitted from column SA_SS1_PP of table GRY_HH_SAMPLE		
70	SA_PHAF	NULL	NUMBER(10,4)
	Retrofitted from column SA_PHAF of table GRY_HH_SAMPLE		
71	SA_SPHAF	NULL	NUMBER(10,4)
	Retrofitted from column SA_SPHAF of table GRY_HH_SAMPLE		
72	SA_GPSEAST	NULL	NUMBER(6)
	Retrofitted from column SA_GPSEAST of table GRY_HH_SAMPLE		
73	SA_GPSNRTH	NULL	NUMBER(7)
	Retrofitted from column SA_GPSNRTH of table GRY_HH_SAMPLE		
74	SA_FORDIST	NULL	VARCHAR2(3)

Table: GYS_HH_SPECIES*Description:*

This is a temporary table used to load the following main tables: GYS LAYER, GYS LAYER SPECIES ASSESSMENT
Corresponds to a record in the SPECIES table for Handheld-format input data.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAGING_AREA_ID Retrofitted from column STAGING_AREA_ID of table GRY_HH_SPECIES	NOT NULL	NUMBER(38)
* 2	LINE_NUMBER Retrofitted from column LINE_NUMBER of table GRY_HH_SPECIES	NOT NULL	NUMBER(38)
3	DB_KEY Retrofitted from column DB_KEY of table GRY_HH_SPECIES	NULL	VARCHAR2(16)
4	SM_MEAS_NO Retrofitted from column SM_MEAS_NO of table GRY_HH_SPECIES	NULL	NUMBER(38)
5	PL_PLOT_NO Retrofitted from column PL_PLOT_NO of table GRY_HH_SPECIES	NULL	NUMBER(38)
6	SO_LAYER Retrofitted from column SO_LAYER of table GRY_HH_SPECIES	NULL	VARCHAR2(1)
7	SO_TOTAL Retrofitted from column SO_TOTAL of table GRY_HH_SPECIES	NULL	VARCHAR2(1)
8	SO_SPECIES Retrofitted from column SO_SPECIES of table GRY_HH_SPECIES	NULL	VARCHAR2(3)
9	SO_TREES_T Retrofitted from column SO_TREES_T of table GRY_HH_SPECIES	NULL	NUMBER(38)
10	SO_BASAL Retrofitted from column SO_BASAL of table GRY_HH_SPECIES	NULL	NUMBER(10,4)
11	SO_BASALAY Retrofitted from column SO_BASALAY of table GRY_HH_SPECIES	NULL	NUMBER(10,4)
12	SO_BH_TL Retrofitted from column SO_BH_TL of table GRY_HH_SPECIES	NULL	NUMBER(38)
13	SO_BH_MIN Retrofitted from column SO_BH_MIN of table GRY_HH_SPECIES	NULL	NUMBER(38)
14	SO_BH_MAX Retrofitted from column SO_BH_MAX of table GRY_HH_SPECIES	NULL	NUMBER(38)
15	SO_HEIGHT Retrofitted from column SO_HEIGHT of table GRY_HH_SPECIES	NULL	NUMBER(38)
16	SO_QMD Retrofitted from column SO_QMD of table GRY_HH_SPECIES	NULL	NUMBER(5,1)
17	SO_AGE_CNT Retrofitted from column SO_AGE_CNT of table GRY_HH_SPECIES	NULL	NUMBER(38)
18	SO_BA_PCT Retrofitted from column SO_BA_PCT of table GRY_HH_SPECIES	NULL	NUMBER(5,1)
19	SO_AVG_CNT Retrofitted from column SO_AVG_CNT of table GRY_HH_SPECIES	NULL	NUMBER(38)
20	SO_HT_TL Retrofitted from column SO_HT_TL of table GRY_HH_SPECIES	NULL	NUMBER(6,1)
21	SO_REL_DEN Retrofitted from column SO_REL_DEN of table GRY_HH_SPECIES	NULL	NUMBER(7,2)
22	SO_BH_AVG Retrofitted from column SO_BH_AVG of table GRY_HH_SPECIES	NULL	NUMBER(38)
23	SO_HT_AVG Retrofitted from column SO_HT_AVG of table GRY_HH_SPECIES	NULL	NUMBER(4,1)
24	SO_STEM_HA Retrofitted from column SO_STEM_HA of table GRY_HH_SPECIES	NULL	NUMBER(10,4)
25	SO_DATE Retrofitted from column SO_DATE of table GRY_HH_SPECIES	NULL	DATE
26	SO_TIME Retrofitted from column SO_TIME of table GRY_HH_SPECIES	NULL	VARCHAR2(8)
27	SO_STAT_H Retrofitted from column SO_STAT_H of table GRY_HH_SPECIES	NULL	NUMBER(38)

Table: GYS_HH_SPECIES (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
28	SO_STAT_M Retrofitted from column SO_STAT_M of table GRY_HH_SPECIES	NULL	NUMBER(38)
29	SO_STAT_T Retrofitted from column SO_STAT_T of table GRY_HH_SPECIES	NULL	NUMBER(38)
30	SO_STAT_O Retrofitted from column SO_STAT_O of table GRY_HH_SPECIES	NULL	NUMBER(38)
31	SO_STAT_F Retrofitted from column SO_STAT_F of table GRY_HH_SPECIES	NULL	NUMBER(38)
32	SO_STAT_Y Retrofitted from column SO_STAT_Y of table GRY_HH_SPECIES	NULL	NUMBER(38)
33	SO_STAT_N Retrofitted from column SO_STAT_N of table GRY_HH_SPECIES	NULL	NUMBER(38)
34	SO_TOTAGAV Retrofitted from column SO_TOTAGAV of table GRY_HH_SPECIES	NULL	NUMBER(38)
35	CR_DATE Retrofitted from column CR_DATE of table GRY_HH_SPECIES	NULL	DATE
36	CR_TIME Retrofitted from column CR_TIME of table GRY_HH_SPECIES	NULL	VARCHAR2(8)
37	LU_DATE Retrofitted from column LU_DATE of table GRY_HH_SPECIES	NULL	DATE
38	LU_TIME Retrofitted from column LU_TIME of table GRY_HH_SPECIES	NULL	VARCHAR2(8)
39	CR_MODE Retrofitted from column CR_MODE of table GRY_HH_SPECIES	NULL	VARCHAR2(1)
40	LU_MODE Retrofitted from column LU_MODE of table GRY_HH_SPECIES	NULL	VARCHAR2(1)
41	SO_SITEIDX Retrofitted from column SO_SITEIDX of table GRY_HH_SPECIES	NULL	NUMBER(4,1)
42	SO_AGEXTND Retrofitted from column SO_AGEXTND of table GRY_HH_SPECIES	NULL	VARCHAR2(1)
43	SO_AGE_TH Retrofitted from column SO_AGE_TH of table GRY_HH_SPECIES	NULL	NUMBER(38)
44	SO_STAT_R Retrofitted from column SO_STAT_R of table GRY_HH_SPECIES	NULL	NUMBER(38)
45	SO_SITEHT Retrofitted from column SO_SITEHT of table GRY_HH_SPECIES	NULL	VARCHAR2(1)
46	SO_STAT_D Retrofitted from column SO_STAT_D of table GRY_HH_SPECIES	NULL	NUMBER(38)
47	SO_STAT_S Retrofitted from column SO_STAT_S of table GRY_HH_SPECIES	NULL	NUMBER(38)
48	SO_AGE_SH Retrofitted from column SO_AGE_SH of table GRY_HH_SPECIES	NULL	NUMBER(38)
49	SO_AGE_OTH Retrofitted from column SO_AGE_OTH of table GRY_HH_SPECIES	NULL	NUMBER(38)

Table: GYS_HH_SP_MEAS*Description:*

This is a temporary table used to load the following main tables: GYS SAMPLE, GYS SAMPLE MEASUREMENT, GYS LAYER, GYS TREE ASSESSMENT, GYS METRIC DBH CLASS COUNT
Corresponds to a record in the SP_MEAS table for Handheld-format input data.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAGING_AREA_ID Retrofitted from column STAGING_AREA_ID of table GRY_HH_SP_MEAS	NOT NULL	NUMBER(38)
* 2	LINE_NUMBER Retrofitted from column LINE_NUMBER of table GRY_HH_SP_MEAS	NOT NULL	NUMBER(38)
3	DB_KEY Retrofitted from column DB_KEY of table GRY_HH_SP_MEAS	NULL	VARCHAR2(16)
4	SM_MEAS_NO Retrofitted from column SM_MEAS_NO of table GRY_HH_SP_MEAS	NULL	NUMBER(38)
5	SM_DATE Retrofitted from column SM_DATE of table GRY_HH_SP_MEAS	NULL	DATE
6	SM_STNSTRC Retrofitted from column SM_STNSTRC of table GRY_HH_SP_MEAS	NULL	VARCHAR2(1)
7	SM_PRI_LYR Retrofitted from column SM_PRI_LYR of table GRY_HH_SP_MEAS	NULL	VARCHAR2(1)
8	SM_L1_GRND Retrofitted from column SM_L1_GRND of table GRY_HH_SP_MEAS	NULL	NUMBER(38)
9	SM_L1_AIR Retrofitted from column SM_L1_AIR of table GRY_HH_SP_MEAS	NULL	NUMBER(38)
10	SM_L1ST_HA Retrofitted from column SM_L1ST_HA of table GRY_HH_SP_MEAS	NULL	NUMBER(38)
11	SM_L2_GRND Retrofitted from column SM_L2_GRND of table GRY_HH_SP_MEAS	NULL	NUMBER(38)
12	SM_L2_AIR Retrofitted from column SM_L2_AIR of table GRY_HH_SP_MEAS	NULL	NUMBER(38)
13	SM_L2ST_HA Retrofitted from column SM_L2ST_HA of table GRY_HH_SP_MEAS	NULL	NUMBER(38)
14	SM_CNTRCTR Retrofitted from column SM_CNTRCTR of table GRY_HH_SP_MEAS	NULL	VARCHAR2(10)
15	SM_FCREW1 Retrofitted from column SM_FCREW1 of table GRY_HH_SP_MEAS	NULL	VARCHAR2(25)
16	SM_FCREW2 Retrofitted from column SM_FCREW2 of table GRY_HH_SP_MEAS	NULL	VARCHAR2(25)
17	SM_AGENCY Retrofitted from column SM_AGENCY of table GRY_HH_SP_MEAS	NULL	VARCHAR2(1)
18	SM_DD_OWNr Retrofitted from column SM_DD_OWNr of table GRY_HH_SP_MEAS	NULL	VARCHAR2(3)
19	SM_CMPL Retrofitted from column SM_CMPL of table GRY_HH_SP_MEAS	NULL	VARCHAR2(1)
20	SM_STEM_HA Retrofitted from column SM_STEM_HA of table GRY_HH_SP_MEAS	NULL	NUMBER(38)
21	SM_MEMO Retrofitted from column SM_MEMO of table GRY_HH_SP_MEAS	NULL	VARCHAR2(100)
22	SM_YEARINT Retrofitted from column SM_YEARINT of table GRY_HH_SP_MEAS	NULL	NUMBER(38)
23	CR_DATE Retrofitted from column CR_DATE of table GRY_HH_SP_MEAS	NULL	DATE
24	CR_TIME Retrofitted from column CR_TIME of table GRY_HH_SP_MEAS	NULL	VARCHAR2(8)
25	LU_DATE Retrofitted from column LU_DATE of table GRY_HH_SP_MEAS	NULL	DATE
26	LU_TIME Retrofitted from column LU_TIME of table GRY_HH_SP_MEAS	NULL	VARCHAR2(8)
27	UL_DATE	NULL	DATE

Table: GYS_HH_SP_MEAS (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	Retrofitted from column UL_DATE of table GRY_HH_SP_MEAS		
28	UL_TIME	NULL	VARCHAR2(8)
	Retrofitted from column UL_TIME of table GRY_HH_SP_MEAS		
29	CR_MODE	NULL	VARCHAR2(1)
	Retrofitted from column CR_MODE of table GRY_HH_SP_MEAS		
30	LU_MODE	NULL	VARCHAR2(1)
	Retrofitted from column LU_MODE of table GRY_HH_SP_MEAS		
31	DT_CHECK	NULL	VARCHAR2(4)
	Retrofitted from column DT_CHECK of table GRY_HH_SP_MEAS		
32	LU_SMPDATE	NULL	DATE
	Retrofitted from column LU_SMPDATE of table GRY_HH_SP_MEAS		
33	LU_SMPTIME	NULL	VARCHAR2(8)
	Retrofitted from column LU_SMPTIME of table GRY_HH_SP_MEAS		
34	SM_SPFCTYP	NULL	VARCHAR2(1)
	Retrofitted from column SM_SPFCTYP of table GRY_HH_SP_MEAS		
35	SM_STEMMAP	NULL	VARCHAR2(1)
	Retrofitted from column SM_STEMMAP of table GRY_HH_SP_MEAS		
36	SM_DAYEAR2	NULL	NUMBER(4)
	Retrofitted from column SM_DAYEAR2 of table GRY_HH_SP_MEAS		
37	SM_DATYPE2	NULL	VARCHAR2(1)
	Retrofitted from column SM_DATYPE2 of table GRY_HH_SP_MEAS		
38	SM_DASPEC2	NULL	VARCHAR2(2)
	Retrofitted from column SM_DASPEC2 of table GRY_HH_SP_MEAS		
39	SM_DASVTY2	NULL	VARCHAR2(3)
	Retrofitted from column SM_DASVTY2 of table GRY_HH_SP_MEAS		
40	SM_DAYEAR1	NULL	NUMBER(38)
	Retrofitted from column SM_DAYEAR1 of table GRY_HH_SP_MEAS		
41	SM_DATYPE1	NULL	VARCHAR2(1)
	Retrofitted from column SM_DATYPE1 of table GRY_HH_SP_MEAS		
42	SM_DASPEC1	NULL	VARCHAR2(2)
	Retrofitted from column SM_DASPEC1 of table GRY_HH_SP_MEAS		
43	SM_DASVTY1	NULL	VARCHAR2(3)
	Retrofitted from column SM_DASVTY1 of table GRY_HH_SP_MEAS		
44	SM_SIBECMS	NULL	VARCHAR2(1)
	Retrofitted from column SM_SIBECMS of table GRY_HH_SP_MEAS		
45	SM_DISDIST	NULL	NUMBER(5,1)

Table: GYS_HH_TREE*Description:*

This is a temporary table used to load the following main table: GYS TREE ASSESSMENT
Corresponds to a record in the TREE table for Handheld-format input data.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAGING_AREA_ID Retrofitted from column STAGING_AREA_ID of table GRY_HH_TREE	NOT NULL	NUMBER(38)
* 2	LINE_NUMBER Retrofitted from column LINE_NUMBER of table GRY_HH_TREE	NOT NULL	NUMBER(38)
3	DB_KEY Retrofitted from column DB_KEY of table GRY_HH_TREE	NULL	VARCHAR2(16)
4	PL_PLOT_NO Retrofitted from column PL_PLOT_NO of table GRY_HH_TREE	NULL	NUMBER(38)
5	TR_TREE_NO Retrofitted from column TR_TREE_NO of table GRY_HH_TREE	NULL	NUMBER(38)
6	TR_SECTOR Retrofitted from column TR_SECTOR of table GRY_HH_TREE	NULL	NUMBER(38)
7	TR_NEAR Retrofitted from column TR_NEAR of table GRY_HH_TREE	NULL	NUMBER(38)
8	TR_SPECIES Retrofitted from column TR_SPECIES of table GRY_HH_TREE	NULL	VARCHAR2(3)
9	TR_NAT Retrofitted from column TR_NAT of table GRY_HH_TREE	NULL	VARCHAR2(1)
10	TR_DIA Retrofitted from column TR_DIA of table GRY_HH_TREE	NULL	NUMBER(5,1)
11	TR_HEIGHT Retrofitted from column TR_HEIGHT of table GRY_HH_TREE	NULL	NUMBER(3,1)
12	TR_NEW_OLD Retrofitted from column TR_NEW_OLD of table GRY_HH_TREE	NULL	VARCHAR2(1)
13	TR_BEAR Retrofitted from column TR_BEAR of table GRY_HH_TREE	NULL	NUMBER(38)
14	TR_SLOPE Retrofitted from column TR_SLOPE of table GRY_HH_TREE	NULL	NUMBER(38)
15	TR_DIST Retrofitted from column TR_DIST of table GRY_HH_TREE	NULL	NUMBER(5,2)
16	TR_TR1_NO Retrofitted from column TR_TR1_NO of table GRY_HH_TREE	NULL	NUMBER(38)
17	TR_TR1DIST Retrofitted from column TR_TR1DIST of table GRY_HH_TREE	NULL	NUMBER(5,2)
18	TR_TR2_NO Retrofitted from column TR_TR2_NO of table GRY_HH_TREE	NULL	NUMBER(38)
19	TR_TR2DIST Retrofitted from column TR_TR2DIST of table GRY_HH_TREE	NULL	NUMBER(5,2)
20	TR_TR3_NO Retrofitted from column TR_TR3_NO of table GRY_HH_TREE	NULL	NUMBER(38)
21	TR_TR3DIST Retrofitted from column TR_TR3DIST of table GRY_HH_TREE	NULL	NUMBER(5,2)
22	TR_SEQ_NO Retrofitted from column TR_SEQ_NO of table GRY_HH_TREE	NULL	NUMBER(38)
23	TR_IN_PLOT Retrofitted from column TR_IN_PLOT of table GRY_HH_TREE	NULL	VARCHAR2(1)
24	DUMMY_A Retrofitted from column DUMMY_A of table GRY_HH_TREE	NULL	VARCHAR2(1)
25	CR_DATE Retrofitted from column CR_DATE of table GRY_HH_TREE	NULL	DATE
26	CR_TIME Retrofitted from column CR_TIME of table GRY_HH_TREE	NULL	VARCHAR2(8)
27	LU_DATE Retrofitted from column LU_DATE of table GRY_HH_TREE	NULL	DATE

Table: GYS_HH_TREE (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
28	LU_TIME	NULL	VARCHAR2(8)
	Retrofitted from column LU_TIME of table GRY_HH_TREE		
29	CR_MODE	NULL	VARCHAR2(1)
	Retrofitted from column CR_MODE of table GRY_HH_TREE		
30	LU_MODE	NULL	VARCHAR2(1)
	Retrofitted from column LU_MODE of table GRY_HH_TREE		
31	TR_SECSITE	NULL	NUMBER(38)
	Retrofitted from column TR_SECSITE of table GRY_HH_TREE		
32	TR_DOWN_LD	NULL	VARCHAR2(1)
	Retrofitted from column TR_DOWN_LD of table GRY_HH_TREE		
33	TR_SECCNTR	NULL	VARCHAR2(1)
	Retrofitted from column TR_SECCNTR of table GRY_HH_TREE		

Table: GYS_HH_TR_MEAS*Description:*

This is a temporary table used to load the following main table: GYS TREE ASSESSMENT
Corresponds to a record in the TR MEAS table for Handheld-format input data.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAGING_AREA_ID Retrofitted from column STAGING_AREA_ID of table GRY_HH_TR_MEAS	NOT NULL	NUMBER(38)
* 2	LINE_NUMBER Retrofitted from column LINE_NUMBER of table GRY_HH_TR_MEAS	NOT NULL	NUMBER(38)
3	DB_KEY Retrofitted from column DB_KEY of table GRY_HH_TR_MEAS	NULL	VARCHAR2(16)
4	PL_PLOT_NO Retrofitted from column PL_PLOT_NO of table GRY_HH_TR_MEAS	NULL	NUMBER(38)
5	TR_SECTOR Retrofitted from column TR_SECTOR of table GRY_HH_TR_MEAS	NULL	NUMBER(38)
6	TR_TREE_NO Retrofitted from column TR_TREE_NO of table GRY_HH_TR_MEAS	NULL	NUMBER(38)
7	SM_MEAS_NO Retrofitted from column SM_MEAS_NO of table GRY_HH_TR_MEAS	NULL	NUMBER(38)
8	TM_MISSED Retrofitted from column TM_MISSED of table GRY_HH_TR_MEAS	NULL	VARCHAR2(1)
9	TM_TAG_OK Retrofitted from column TM_TAG_OK of table GRY_HH_TR_MEAS	NULL	VARCHAR2(1)
10	TM_SPC_CHG Retrofitted from column TM_SPC_CHG of table GRY_HH_TR_MEAS	NULL	VARCHAR2(1)
11	TM_DBH1_3 Retrofitted from column TM_DBH1_3 of table GRY_HH_TR_MEAS	NULL	NUMBER(5,1)
12	TM_DIA1_37 Retrofitted from column TM_DIA1_37 of table GRY_HH_TR_MEAS	NULL	NUMBER(5,1)
13	TM_HEIGHT Retrofitted from column TM_HEIGHT of table GRY_HH_TR_MEAS	NULL	NUMBER(4,1)
14	TM_CROWN Retrofitted from column TM_CROWN of table GRY_HH_TR_MEAS	NULL	NUMBER(38)
15	TM_LAYER Retrofitted from column TM_LAYER of table GRY_HH_TR_MEAS	NULL	VARCHAR2(1)
16	TM_LC_LEN Retrofitted from column TM_LC_LEN of table GRY_HH_TR_MEAS	NULL	NUMBER(38)
17	TM_CLASS Retrofitted from column TM_CLASS of table GRY_HH_TR_MEAS	NULL	NUMBER(38)
18	TM_BOTSIGN Retrofitted from column TM_BOTSIGN of table GRY_HH_TR_MEAS	NULL	VARCHAR2(1)
19	TM_CONK Retrofitted from column TM_CONK of table GRY_HH_TR_MEAS	NULL	NUMBER(38)
20	TM_BL_CONK Retrofitted from column TM_BL_CONK of table GRY_HH_TR_MEAS	NULL	NUMBER(38)
21	TM_SCAR Retrofitted from column TM_SCAR of table GRY_HH_TR_MEAS	NULL	NUMBER(38)
22	TM_FKCROOK Retrofitted from column TM_FKCROOK of table GRY_HH_TR_MEAS	NULL	NUMBER(38)
23	TM_FROST Retrofitted from column TM_FROST of table GRY_HH_TR_MEAS	NULL	NUMBER(38)
24	TM_MISTLE Retrofitted from column TM_MISTLE of table GRY_HH_TR_MEAS	NULL	NUMBER(38)
25	TM_RBRANCH Retrofitted from column TM_RBRANCH of table GRY_HH_TR_MEAS	NULL	NUMBER(38)
26	TM_DEADTOP Retrofitted from column TM_DEADTOP of table GRY_HH_TR_MEAS	NULL	NUMBER(38)
27	TM_BRKNTOP Retrofitted from column TM_BRKNTOP of table GRY_HH_TR_MEAS	NULL	NUMBER(38)

Table: GYS_HH_TR_MEAS (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
28	TM_SPIRAL	NULL	NUMBER(38)
	Retrofitted from column TM_SPIRAL of table GRY_HH_TR_MEAS		
29	TM_SWEEP	NULL	NUMBER(38)
	Retrofitted from column TM_SWEEP of table GRY_HH_TR_MEAS		
30	TM_LEAN	NULL	NUMBER(38)
	Retrofitted from column TM_LEAN of table GRY_HH_TR_MEAS		
31	TM_LIMB	NULL	NUMBER(38)
	Retrofitted from column TM_LIMB of table GRY_HH_TR_MEAS		
32	TM_STUB	NULL	NUMBER(38)
	Retrofitted from column TM_STUB of table GRY_HH_TR_MEAS		
33	TM_1KNOT5M	NULL	NUMBER(38)
	Retrofitted from column TM_1KNOT5M of table GRY_HH_TR_MEAS		
34	TM_2KNOT5M	NULL	NUMBER(38)
	Retrofitted from column TM_2KNOT5M of table GRY_HH_TR_MEAS		
35	TM_CNDTN	NULL	VARCHAR2(2)
	Retrofitted from column TM_CNDTN of table GRY_HH_TR_MEAS		
36	TM_HT_CRWN	NULL	NUMBER(4,1)
	Retrofitted from column TM_HT_CRWN of table GRY_HH_TR_MEAS		
37	TM_HT_BRCH	NULL	NUMBER(4,1)
	Retrofitted from column TM_HT_BRCH of table GRY_HH_TR_MEAS		
38	TMSLEAN	NULL	NUMBER(38)
	Retrofitted from column TMSLEAN of table GRY_HH_TR_MEAS		
39	TMSSWEEP	NULL	NUMBER(38)
	Retrofitted from column TMSSWEEP of table GRY_HH_TR_MEAS		
40	TMSBRK_TOP	NULL	NUMBER(38)
	Retrofitted from column TMSBRK_TOP of table GRY_HH_TR_MEAS		
41	TMSFRKUDIA	NULL	NUMBER(38)
	Retrofitted from column TMSFRKUDIA of table GRY_HH_TR_MEAS		
42	TMSFRKODIA	NULL	NUMBER(38)
	Retrofitted from column TMSFRKODIA of table GRY_HH_TR_MEAS		
43	TMSSCAR	NULL	NUMBER(38)
	Retrofitted from column TMSSCAR of table GRY_HH_TR_MEAS		
44	TMSDEADTOP	NULL	NUMBER(38)
	Retrofitted from column TMSDEADTOP of table GRY_HH_TR_MEAS		
45	TMSCROOKED	NULL	NUMBER(38)
	Retrofitted from column TMSCROOKED of table GRY_HH_TR_MEAS		
46	TM_S_BASE	NULL	NUMBER(38)
	Retrofitted from column TM_S_BASE of table GRY_HH_TR_MEAS		
47	TM_S_MID	NULL	NUMBER(38)
	Retrofitted from column TM_S_MID of table GRY_HH_TR_MEAS		
48	TM_S_TOP	NULL	NUMBER(38)
	Retrofitted from column TM_S_TOP of table GRY_HH_TR_MEAS		
49	TM_STATUS	NULL	VARCHAR2(1)
	Retrofitted from column TM_STATUS of table GRY_HH_TR_MEAS		
50	TMSHEIGHT	NULL	NUMBER(4,1)
	Retrofitted from column TMSHEIGHT of table GRY_HH_TR_MEAS		
51	TMSDIA_HT	NULL	NUMBER(38)
	Retrofitted from column TMSDIA_HT of table GRY_HH_TR_MEAS		
52	TMSCOMP_HT	NULL	VARCHAR2(1)
	Retrofitted from column TMSCOMP_HT of table GRY_HH_TR_MEAS		
53	TMS_AGE13M	NULL	NUMBER(38)
	Retrofitted from column TMS_AGE13M of table GRY_HH_TR_MEAS		
54	TMSBOREHT	NULL	NUMBER(4,2)
	Retrofitted from column TMSBOREHT of table GRY_HH_TR_MEAS		
55	TMS_AGE_TL	NULL	NUMBER(38)
	Retrofitted from column TMS_AGE_TL of table GRY_HH_TR_MEAS		
56	TMSCOMPAGE	NULL	VARCHAR2(1)
	Retrofitted from column TMSCOMPAGE of table GRY_HH_TR_MEAS		

Table: GYS_HH_TR_MEAS (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
57	TMSPITHCDE	NULL	VARCHAR2(1)
	Retrofitted from column TMSPITHCDE of table GRY_HH_TR_MEAS		
58	TM_RADINC1	NULL	NUMBER(38)
	Retrofitted from column TM_RADINC1 of table GRY_HH_TR_MEAS		
59	TM_RADINC2	NULL	NUMBER(38)
	Retrofitted from column TM_RADINC2 of table GRY_HH_TR_MEAS		
60	DUMMY_D	NULL	VARCHAR2(1)
	Retrofitted from column DUMMY_D of table GRY_HH_TR_MEAS		
61	TMS_TOP	NULL	NUMBER(38)
	Retrofitted from column TMS_TOP of table GRY_HH_TR_MEAS		
62	TMS_BOT	NULL	NUMBER(38)
	Retrofitted from column TMS_BOT of table GRY_HH_TR_MEAS		
63	TMS_SLPDIS	NULL	NUMBER(4,1)
	Retrofitted from column TMS_SLPDIS of table GRY_HH_TR_MEAS		
64	TMS_SLOPE	NULL	NUMBER(38)
	Retrofitted from column TMS_SLOPE of table GRY_HH_TR_MEAS		
65	TMS_HTCORR	NULL	NUMBER(4,2)
	Retrofitted from column TMS_HTCORR of table GRY_HH_TR_MEAS		
66	TR_SPECIES	NULL	VARCHAR2(3)
	Retrofitted from column TR_SPECIES of table GRY_HH_TR_MEAS		
67	TM_REMEASD	NULL	VARCHAR2(1)
	Retrofitted from column TM_REMEASD of table GRY_HH_TR_MEAS		
68	TM_MEMO	NULL	VARCHAR2(20)
	Retrofitted from column TM_MEMO of table GRY_HH_TR_MEAS		
69	TM_HT_BRK	NULL	NUMBER(38)
	Retrofitted from column TM_HT_BRK of table GRY_HH_TR_MEAS		
70	DUMMY_A	NULL	VARCHAR2(1)
	Retrofitted from column DUMMY_A of table GRY_HH_TR_MEAS		
71	TM_SEL_TR	NULL	VARCHAR2(1)
	Retrofitted from column TM_SEL_TR of table GRY_HH_TR_MEAS		
72	TM_PRV_HT	NULL	VARCHAR2(1)
	Retrofitted from column TM_PRV_HT of table GRY_HH_TR_MEAS		
73	CR_DATE	NULL	DATE
	Retrofitted from column CR_DATE of table GRY_HH_TR_MEAS		
74	CR_TIME	NULL	VARCHAR2(8)
	Retrofitted from column CR_TIME of table GRY_HH_TR_MEAS		
75	LU_DATE	NULL	DATE
	Retrofitted from column LU_DATE of table GRY_HH_TR_MEAS		
76	LU_TIME	NULL	VARCHAR2(8)
	Retrofitted from column LU_TIME of table GRY_HH_TR_MEAS		
77	CR_MODE	NULL	VARCHAR2(1)
	Retrofitted from column CR_MODE of table GRY_HH_TR_MEAS		
78	LU_MODE	NULL	VARCHAR2(1)
	Retrofitted from column LU_MODE of table GRY_HH_TR_MEAS		
79	TM_PRV_AGE	NULL	VARCHAR2(1)
	Retrofitted from column TM_PRV_AGE of table GRY_HH_TR_MEAS		
80	TM_SEL_HT	NULL	VARCHAR2(1)
	Retrofitted from column TM_SEL_HT of table GRY_HH_TR_MEAS		
81	MANUAL_SEL	NULL	VARCHAR2(1)
	Retrofitted from column MANUAL_SEL of table GRY_HH_TR_MEAS		
82	TM_STEMMAP	NULL	VARCHAR2(1)
	Retrofitted from column TM_STEMMAP of table GRY_HH_TR_MEAS		
83	TM_SUPPRES	NULL	VARCHAR2(1)
	Retrofitted from column TM_SUPPRES of table GRY_HH_TR_MEAS		
84	TM_RADINC5	NULL	NUMBER(38)
	Retrofitted from column TM_RADINC5 of table GRY_HH_TR_MEAS		
85	TM_SUP_LEN	NULL	NUMBER(38)
	Retrofitted from column TM_SUP_LEN of table GRY_HH_TR_MEAS		

Table: GYS_HH_TR_MEAS (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
86	TM_SUP_AGE	NULL	NUMBER(38)
	Retrofitted from column TM_SUP_AGE of table GRY_HH_TR_MEAS		
87	TM_COR_LEN	NULL	NUMBER(38)
	Retrofitted from column TM_COR_LEN of table GRY_HH_TR_MEAS		
88	TM_COR_AGT	NULL	NUMBER(38)
	Retrofitted from column TM_COR_AGT of table GRY_HH_TR_MEAS		
89	TM_SUP_10	NULL	NUMBER(38)
	Retrofitted from column TM_SUP_10 of table GRY_HH_TR_MEAS		
90	TM_REL_10	NULL	NUMBER(38)
	Retrofitted from column TM_REL_10 of table GRY_HH_TR_MEAS		
91	TM_LC_HTBS	NULL	NUMBER(4,1)
	Retrofitted from column TM_LC_HTBS of table GRY_HH_TR_MEAS		
92	TM_LC_MEAS	NULL	VARCHAR2(1)
	Retrofitted from column TM_LC_MEAS of table GRY_HH_TR_MEAS		
93	TM_LC_PCBS	NULL	NUMBER(38)
	Retrofitted from column TM_LC_PCBS of table GRY_HH_TR_MEAS		
94	TM_LC_PCBT	NULL	NUMBER(38)
	Retrofitted from column TM_LC_PCBT of table GRY_HH_TR_MEAS		
95	TM_LC_DSSL	NULL	NUMBER(4,1)
	Retrofitted from column TM_LC_DSSL of table GRY_HH_TR_MEAS		
96	TM_LC_PCSL	NULL	NUMBER(38)
	Retrofitted from column TM_LC_PCSL of table GRY_HH_TR_MEAS		
97	TM_LC_CORR	NULL	NUMBER(4,2)
	Retrofitted from column TM_LC_CORR of table GRY_HH_TR_MEAS		
98	TM_LC_SGNB	NULL	VARCHAR2(1)
	Retrofitted from column TM_LC_SGNB of table GRY_HH_TR_MEAS		
99	TR_SECSITE	NULL	NUMBER(38)
	Retrofitted from column TR_SECSITE of table GRY_HH_TR_MEAS		
100	TM_DTNOCRT	NULL	NUMBER(38)
	Retrofitted from column TM_DTNOCRT of table GRY_HH_TR_MEAS		
101	TM_DTSPCRT	NULL	NUMBER(38)
	Retrofitted from column TM_DTSPCRT of table GRY_HH_TR_MEAS		
102	TM_DTWLIFE	NULL	NUMBER(38)
	Retrofitted from column TM_DTWLIFE of table GRY_HH_TR_MEAS		
103	TM_DTDNPOS	NULL	VARCHAR2(1)
	Retrofitted from column TM_DTDNPOS of table GRY_HH_TR_MEAS		
104	TM_SUITHT	NULL	VARCHAR2(1)
	Retrofitted from column TM_SUITHT of table GRY_HH_TR_MEAS		
105	TM_VD_MEAS	NULL	VARCHAR2(1)
	Retrofitted from column TM_VD_MEAS of table GRY_HH_TR_MEAS		
106	TMSVERTDIS	NULL	NUMBER(4,1)
	Retrofitted from column TMSVERTDIS of table GRY_HH_TR_MEAS		
107	TMS_VDBEAR	NULL	NUMBER(38)
	Retrofitted from column TMS_VDBEAR of table GRY_HH_TR_MEAS		
108	TMS_VDDPOG	NULL	NUMBER(4,1)
	Retrofitted from column TMS_VDDPOG of table GRY_HH_TR_MEAS		
109	TMS_VDSPOG	NULL	NUMBER(38)
	Retrofitted from column TMS_VDSPOG of table GRY_HH_TR_MEAS		
110	TM_VDSSIGN	NULL	VARCHAR2(1)
	Retrofitted from column TM_VDSSIGN of table GRY_HH_TR_MEAS		
111	TR_DOWN_LD	NULL	VARCHAR2(1)
	Retrofitted from column TR_DOWN_LD of table GRY_HH_TR_MEAS		
112	TMS_AGECOR	NULL	NUMBER(2)
	Retrofitted from column TMS_AGECOR of table GRY_HH_TR_MEAS		
113	TMS_SI	NULL	NUMBER(4,1)
	Retrofitted from column TMS_SI of table GRY_HH_TR_MEAS		
114	TM_DASPEC2	NULL	VARCHAR2(2)
	Retrofitted from column TM_DASPEC2 of table GRY_HH_TR_MEAS		

Table: GYS_HH_TR_MEAS (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
115	TM_DATYPE2	NULL	VARCHAR2(1)
	Retrofitted from column TM_DATYPE2 of table GRY_HH_TR_MEAS		
116	TM_DASVTY2	NULL	VARCHAR2(3)
	Retrofitted from column TM_DASVTY2 of table GRY_HH_TR_MEAS		
117	TMS_NEWAGE	NULL	NUMBER(3)
	Retrofitted from column TMS_NEWAGE of table GRY_HH_TR_MEAS		
118	TM_DATYPE1	NULL	VARCHAR2(1)
	Retrofitted from column TM_DATYPE1 of table GRY_HH_TR_MEAS		
119	TM_DASVTY1	NULL	VARCHAR2(3)
	Retrofitted from column TM_DASVTY1 of table GRY_HH_TR_MEAS		
120	TM_DASPEC1	NULL	VARCHAR2(2)
	Retrofitted from column TM_DASPEC1 of table GRY_HH_TR_MEAS		
121	TM_REMARK1	NULL	VARCHAR2(1)
122	TM_REMARK2	NULL	VARCHAR2(1)
123	TM_REMARK3	NULL	VARCHAR2(1)
124	TM_AGECORE	NULL	VARCHAR2(1)
125	TR_SECCNTR	NULL	VARCHAR2(1)

Table: GYS_HT_DIAMETER_CURVE_USE_CODE*Description:*

A HT DIAMETER CURVE USE CODE is a code that denotes that the measured tree height is not to be used for height diameter curve calculation or gives tree height check status. Examples: W = Warning, V = Verified.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HT_DIAMETER_CURVE_USE_CODE A code that denotes that the measured tree height is not to be used for height diameter curve calculation or gives tree height check status. Examples: W = Warning, V = Verified.	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_HT_MEASUREMENT_STATUS_CODE*Description:*

A HT MEASUREMENT STATUS CODE is a code that describes the status of a tree which is measured for height. Codes describe whether the tree has been measured as a a top height tree, a site height tree, as both types, or as measured without either designation. Examples: H = "Selected for height measurement and measured as a top height tree", M = "Measured for height but not selected (designated) as either a top height or site height tree."

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HT_MEASUREMENT_STATUS_CODE A code that describes the status of a tree which is measured for height. Codes describe whether the tree has been measured as a a top height tree, a site height tree, as both types, or as measured without either designation. Examples: H = "Selected for height measurement and measured as a top height tree", M = "Measured for height but not selected (designated) as either a top height or site height tree."	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_IMPERIAL_DBH_CLASS_COUNT**Description:**

An IMPERIAL DBH CLASS COUNT is a count of the TREES in a given PLOT for a given tree species, categorized by imperial Diameter at Breast Height (DBH) class

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	IMPERIAL_DBH_CLASS_COUNT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
2	PLOT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
3	SAMPLE_MEASUREMENT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
4	SPECIES_CODE A code which describes the genus or genus and species for a tree. Examples: H = Hemlock (Tsuga), Hm = Mountain hemlock (T. mertensiana)	NOT NULL	VARCHAR2(10)
5	CLASS_NO A class code describing a Imperial Diameter at Breast Height (DBH) diameter range. Imperial DBH Class 1 includes trees with a DBH in the range 0.6"-1.5" , Class 2; 1.6"-2.5", and Class 3; 2.6"-3.5". SED 7:26 1.5-3.9cm=>1 SED 7:30 4.0-6.4cm=>2 SED 7:34 6.5-9.0cm=>3	NOT NULL	NUMBER(2)
6	TREE_COUNT The total number of trees counted by species within an Imperial Diameter at Breast Height (DBH) Class. SED 7:26 1.5-3.9cm SED 7:30 4.0-6.4cm SED 7:34 6.5-9.0cm	NULL	NUMBER(4)
7	ENTRY_TIMESTAMP Date/time the record was created.	NOT NULL	DATE
8	ENTRY_USERID ID of the user who created the record.	NOT NULL	VARCHAR2(30)
9	UPDATE_TIMESTAMP Date/time the record was last updated.	NULL	DATE
10	UPDATE_USERID ID of the user who last updated the record.	NULL	VARCHAR2(30)

Foreign Keys:

GYS_IDCCT_GYS_P_FK
PLOT_ID = GYS_PLOT.PLOT_ID
GYS_IDCCT_GYS_SC_FK
SPECIES_CODE = GYS_SPECIES_CODE.SPECIES_CODE
GYS_IDCCT_GYS_SM_FK
SAMPLE_MEASUREMENT_ID = GYS_SAMPLE_MEASUREMENT.SAMPLE_MEASUREMENT_ID

Indexes:

GYS_IDCCT_GYS_P_FK_I
PLOT_ID
GYS_IDCCT_GYS_SC_FK_I
SPECIES_CODE
GYS_IDCCT_GYS_SM_FK_I
SAMPLE_MEASUREMENT_ID

Table: GYS_LAYER*Description:*

A LAYER is a horizontal stratum or layer in a plant community and in a forest, appearing as one or more canopies.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	LAYER_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
2	SPECIAL_SITE_CODE SPECIAL SITE CODE is a code that is used when age and height of stand do not reflect site productivity. Examples: G = Good site, M = Medium site, P = Poor site, L = Low site.	NULL	VARCHAR2(10)
3	LAYER_CODE A code that denotes a layer; a horizontal stratum in the forest appearing as one or more canopies. Examples: 1 = main layer, V = veteran layer.	NOT NULL	VARCHAR2(10)
4	SAMPLE_MEASUREMENT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
5	LAYER_STRUCTURE Indicates whether a stand layer is of simple (S) or complex (C) (uneven aged) structure in terms of age and height composition. A blank value is assumed to be 'S'. <i>SED 3:23 Structure</i>	NULL	VARCHAR2(1)
6	CROWN_CLOSURE_GROUND_PERCENT Crown closure is the percentage of plot area covered by the crowns of trees in a stand layer. This is estimated from the ground to the nearest percent. <i>SED 3:45 Crown Closure Ground %</i> <i>HH Sp_Meas:29 sm_l1_grnd</i> <i>HH Sp_Meas:40 sm_l2_grnd</i>	NULL	NUMBER(3)
7	DENSITY_FIELD_EST Stand density in stems per hectare for a layer. <i>SED 3:48 Density Stems/ha (Field Estimate)</i> <i>HH Sp_Meas:35 sm_l1st_ha</i> <i>HH Sp_Meas:46 sm_l2st_ha</i>	NULL	NUMBER(5)
8	CROWN_CLOSURE_AIR_PERCENT Crown closure is the percentage of plot area covered by the crowns of trees in a stand layer. This is estimated from air photo interpretation or aerial reconnaissance to the nearest percent. <i>SED 3:68 Crown Closure Air %</i> <i>HH Sp_Meas:32 sm_l1_air</i> <i>HH Sp_Meas:43 sm_l2_air</i>	NULL	NUMBER(3)
9	ENTRY_TIMESTAMP Date/time the record was created.	NOT NULL	DATE
10	ENTRY_USERID ID of the user who created the record.	NOT NULL	VARCHAR2(30)
11	UPDATE_TIMESTAMP Date/time the record was last updated.	NULL	DATE
12	UPDATE_USERID ID of the user who last updated the record.	NULL	VARCHAR2(30)

Foreign Keys:

GYS_L_GYS_LC_1_FK
LAYER_CODE = GYS_LAYER_CODE.LAYER_CODE
GYS_L_GYS_SM_FK
SAMPLE_MEASUREMENT_ID = GYS_SAMPLE_MEASUREMENT.SAMPLE_MEASUREMENT_ID
GYS_L_GYS_SPSIC_FK
SPECIAL_SITE_CODE = GYS_SPECIAL_SITE_CODE.SPECIAL_SITE_CODE

Indexes:

GYS_L_GYS_LC_1_FK_I
LAYER_CODE
GYS_L_GYS_SM_FK_I
SAMPLE_MEASUREMENT_ID
GYS_L_GYS_SPSIC_FK_I

Table: GYS_LAYER (cont'd)*Indexes:*

SPECIAL_SITE_CODE

Notes:

The following layer classes are recognized:

Single-layered: a forest having one story (the main layer)

Multi-layered: a forest having two or more stories

Table: GYS_LAYER_CODE*Description:*

A LAYER CODE is a code that denotes a layer; a horizontal stratum in the forest appearing as one or more canopies.
Examples: 1 = main layer, V = veteran layer.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	LAYER_CODE A code that denotes a layer; a horizontal stratum in the forest appearing as one or more canopies. Examples: 1 = main layer, V = veteran layer.	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_LAYER_SPECIES_ASSESSMENT**Description:**

A LAYER SPECIES ASSESSMENT is an examination of a given species within a given LAYER within a given SAMPLE.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	LAYER_SPECIES_ASSESSMENT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
2	LAYER_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
3	SPECIES_CODE A code which describes the genus or genus and species for a tree. Examples: H = Hemlock (Tsuga), Hm = Mountain hemlock (T. mertensiana)	NOT NULL	VARCHAR2(10)
4	LEADING_SPECIES_IND LEADING SPECIES IND is an indicator denoting that the species is the species having the largest basal area percent within the layer. Valid values are "Y", "N", or NULL.	NULL	VARCHAR2(1)
5	SECOND_SPECIES_IND SECOND SPECIES IND is an indicator denoting that the species is the species having the second largest basal area percent within the layer. Valid values are "Y", "N", or NULL.	NULL	VARCHAR2(1)
6	BASAL_AREA This is the basal area for the species within the layer. Basal area is the cross sectional tree area at breast height. <i>HH Species:30 so_basal</i>	NULL	NUMBER(10,4)
7	QUADRATIC_MEAN_DIAM This variable allows conversion of density to basal area per hectare for a species and layer. <i>HH Species:68 so_qmd</i>	NULL	NUMBER(5,1)
8	BASAL_AREA_PERCENT This is the percentage of the total basal area for the layer represented by the species. <i>HH Species:76 so_ba_pct</i>	NULL	NUMBER(3)
9	LEADING_SPC_MEAN_TOTAL_AGE The mean age of a stand calculated using total age values for leading species sample trees which were bored for age. <i>SED 3:33 Mean Total Age</i> <i>HH Species:154 so_totagav</i>	NULL	NUMBER(3)
10	LEADING_SPC_AGE_RANGE_MIN Lower value of age range of a complex layer. <i>SED 3:36 Age Range (Complex Layer) - Minimum</i> <i>HH Species:56 so_bh_min</i>	NULL	NUMBER(3)
11	LEADING_SPC_AGE_RANGE_MAX Upper value of age range of a complex layer. <i>SED 3:39 Age Range (Complex Layer) - Maximum</i> <i>HH Species:59 so_bh_max</i>	NULL	NUMBER(3)
12	LEADING_SPC_MEAN_HT The mean height of the layer in metres calculated using measured or estimated tree heights for leading species. <i>SED 3:42 Height (m)</i> <i>HH Species:103 so_ht_avg</i>	NULL	NUMBER(3,1)
13	LEADING_SPC_MEAN_BREAST_HT_AGE The mean age of a stand calculated using breast height age values for leading species sample trees bored at breast height. <i>SED 3:65 Mean Breast Height Age</i> <i>HH Species:97 so_bh_avg</i>	NULL	NUMBER(6)
14	LEADING_SPC_TOP_HT_CURVE An attribute that is loaded from Standard Edit Data (SEDATA) format. This is a top height value from a curve calculated as a one time project for input for the Variable Density Yield Projection model. <i>SED 3:73 Top Height (Curve)</i>	NULL	NUMBER(3,1)
15	LEADING_SPC_SITE_INDEX_BHA_50 An expression of the forest site quality based on stand age and height. Site index is determined using stand age, stand height, and site index equations. These equations are based on reference age of 50 years at Breast Height Age.	NULL	NUMBER(3,1)

Table: GYS_LAYER_SPECIES_ASSESSMENT (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	<i>SED 3:76 Site Index BHA 50</i> <i>HH Species:194 so_siteidx</i>		
16	ENTRY_TIMESTAMP Date/time the record was created.	NOT NULL	DATE
17	ENTRY_USERID ID of the user who created the record.	NOT NULL	VARCHAR2(30)
18	UPDATE_TIMESTAMP Date/time the record was last updated.	NULL	DATE
19	UPDATE_USERID ID of the user who last updated the record.	NULL	VARCHAR2(30)

Foreign Keys:

GYS_LSA_GYS_L_FK
LAYER_ID = GYS_LAYER.LAYER_ID
GYS_LSA_GYS_SC_FK
SPECIES_CODE = GYS_SPECIES_CODE.SPECIES_CODE

Indexes:

GYS_LSA_GYS_L_FK_I
LAYER_ID
GYS_LSA_GYS_SC_FK_I
SPECIES_CODE

Table: GYS_MESSAGE_LEVEL_CODE*Description:*

A list of codes that describe the level (degree of severity) of an error message that was produced by the application.

Eg:

INFO - Information

WARN - Warning

ERR - Error

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MESSAGE_LEVEL_CODE Code representation of the error level.	NOT NULL	VARCHAR2(4)
2	DESCRIPTION Provides the description for the code. This is the human readable form of the code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Effective date/time	NOT NULL	DATE
4	EXPIRY_DATE Expiry date/time	NOT NULL	DATE
5	UPDATE_TIMESTAMP Update date/time	NOT NULL	DATE

Table: GYS_MESSAGE_TYPE_CODE*Description:*

A list of codes that describe the type of messages produced while loading samples and sample measurements into GYS.

Eg.

BRP0 Business Rule Pass 0 - Type, range and optionality check

BRP1 Business Rule Pass 1 - Within sample check

BRP2 Business Rule Pass 2 - Compare between sample check

SYS System message

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MESSAGE_TYPE_CODE Code representation of the process type.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION Provides the description for the code. This is the human readable form of the code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Effective date/time	NOT NULL	DATE
4	EXPIRY_DATE Expiry date/time	NOT NULL	DATE
5	UPDATE_TIMESTAMP Update date/time	NOT NULL	DATE

Table: GYS_METRIC_DBH_CLASS_COUNT**Description:**

A METRIC DBH CLASS COUNT is a count of the TREES in a given PLOT for a given tree species, categorized by metric Diameter at Breast Height (DBH) class.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 20	METRIC_DBH_CLASS_COUNT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
30	PLOT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
40	SAMPLE_MEASUREMENT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
50	SPECIES_CODE A code which describes the genus or genus and species for a tree. Examples: H = Hemlock (Tsuga), Hm = Mountain hemlock (T. mertensiana)	NOT NULL	VARCHAR2(10)
55	TREE_COUNT The total number of trees counted by species within a Metric Diameter at Breast Height (DBH) Class. SED 7:43 0.3-1.3m SED 7:46 0.0-1.9cm SED 7:49 2.0-3.9cm SED 7:46 4.0-5.9cm SED 7:55 6.0-7.9cm SED 7:58 8.0-9.9cm SED 7:61 10.0-11.9cm SED 7:64 12.0-13.9cm SED 7:67 14.0-15.9cm SED 7:70 16.0-17.9cm SED 7:73 18.0-19.9cm SED 7:76 20.0+cm HH Dot:24 dc_class0 HH Dot:28 dc_class1 HH Dot:32 dc_class2 HH Dot:36 dc_class3 HH Dot:40 dc_class4 HH Dot:44 dc_class5 HH Dot:48 dc_class6 HH Dot:52 dc_class7 HH Dot:56 dc_class8 HH Dot:60 dc_class9 HH Dot:64 dc_class10 HH Dot:68 dc_class11	NULL	NUMBER(4)
60	CLASS_NO Metric Diameter at Breast Height (DBH) class code describing DBH range within which trees are tallied. A class is a code describing a tree height or diameter range. ie Metric DBH Class 0 describes trees having a height in the range 0.3 m to 1.3 m , class 1 describes a trees having a DBH within the range of 0.0 cm to 1.9 cm. SED 7:43 0.3-1.3m=>0 SED 7:46 0.0-1.9cm=>1 SED 7:49 2.0-3.9cm=>2 SED 7:46 4.0-5.9cm=>3 SED 7:55 6.0-7.9cm=>4 SED 7:58 8.0-9.9cm=>5 SED 7:61 10.0-11.9cm=>6 SED 7:64 12.0-13.9cm=>7 SED 7:67 14.0-15.9cm=>8 SED 7:70 16.0-17.9cm=>9 SED 7:73 18.0-19.9cm=>10 SED 7:76 20.0+cm=>11 HH Dot:24 dc_class0=>0	NOT NULL	NUMBER(2)

Table: GYS_METRIC_DBH_CLASS_COUNT (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	HH Dot:28 dc_class1=>1		
	HH Dot:32 dc_class2=>2		
	HH Dot:36 dc_class3=>3		
	HH Dot:40 dc_class4=>4		
	HH Dot:44 dc_class5=>5		
	HH Dot:48 dc_class6=>6		
	HH Dot:52 dc_class7=>7		
	HH Dot:56 dc_class8=>8		
	HH Dot:60 dc_class9=>9		
	HH Dot:64 dc_class10=>10		
	HH Dot:68 dc_class11=>11		
70	ENTRY_TIMESTAMP Date/time the record was created.	NOT NULL	DATE
80	ENTRY_USERID ID of the user who created the record.	NOT NULL	VARCHAR2(30)
90	UPDATE_TIMESTAMP Date/time the record was last updated.	NULL	DATE
100	UPDATE_USERID ID of the user who last updated the record.	NULL	VARCHAR2(30)

Foreign Keys:

GYS_MDCCT_GYS_P_FK
PLOT_ID = GYS_PLOT.PLOT_ID

GYS_MDCCT_GYS_SC_FK
SPECIES_CODE = GYS_SPECIES_CODE.SPECIES_CODE

GYS_MDCCT_GYS_SM_FK
SAMPLE_MEASUREMENT_ID = GYS_SAMPLE_MEASUREMENT.SAMPLE_MEASUREMENT_ID

Indexes:

GYS_MDCCT_GYS_P_FK_I
PLOT_ID

GYS_MDCCT_GYS_SC_FK_I
SPECIES_CODE

GYS_MDCCT_GYS_SM_FK_I
SAMPLE_MEASUREMENT_ID

Table: GYS_MISSED_DROPPED_FALLEN_CD*Description:*

A MISSED DROPPED FALLEN CD is a code that describes the condition of the tree as missed, dropped or fallen.
Examples: M, D, F.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MISSED_DROPPED_FALLEN_CD A code that describes the condition of the tree as missed, dropped or fallen. Examples: M, D, F.	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_PACKAGE_TRANSACTION*Description:*

This entity represents a package made up of samples and sample measurements that have been processed in a single transaction. The package can contain one or many sample measurements and can be from a SED or Handheld data recorder.

Once the package transaction has completed the sample and or the sample measurement will be loaded in the core GYS entities. These package entities are used to load file data into the system and to provide a history of the files loaded and the errors, warnings, and informational messages generated during the load. No business process has been defined yet to purge this information but this will be addressed in a future release as any change would require a model change. (ie for XML data file processing)

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	PACKAGE_TRANSACTION_ID Primary unique numeric identifier for a transaction made up of samples or sample measurements	NOT NULL	NUMBER(10)
2	TRANSACTION_TYPE_CODE A code that describes the type of transaction.eg.HH - HandHeld Sample Data Collection SED - Sample Edit Data Collection XML - XML Data Collection	NOT NULL	VARCHAR2(10)
3	TRANSACTION_LOAD_IND An indicator to used to reflect if a transaction (sample or sample measurement) has been successfully loaded into the database. Successful loads are normally associated with sample and sample measurements that meet at least the pass 0 and database referential integrity rules.	NOT NULL	VARCHAR2(1)
4	TRANSACTION_DESCRIPTION A description of the transaction. This could include the name of the firm that has completed the work, project name and the general location of the sample or sample measurement.	NULL	VARCHAR2(120)
5	ENTRY_TIMESTAMP Entry date/time	NOT NULL	DATE
6	ENTRY_USERID Entry by userid	NOT NULL	VARCHAR2(30)
7	UPDATE_TIMESTAMP Update date/time	NOT NULL	DATE
8	UPDATE_USERID Updated by userid	NOT NULL	VARCHAR2(30)

Foreign Keys:

GYSPT_GYSTTC_FK
TRANSACTION_TYPE_CODE = GYS_PACKAGE_TRANS_TYPE_CODE.TRANSACTION_TYPE_CODE

Indexes:

GYSPT_GYSTTC_FK_I
TRANSACTION_TYPE_CODE

Table: GYS_PACKAGE_TRANSACTION_FILE*Description:*

This entity represents the names of files used within a single package transaction. SED formatted files will only have a single file for a package transaction and Handheld formatted files will have nine files.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	PACKAGE_TRANSACTION_FILE_ID Primary unique numeric identifier for a package made up of polygons.	NOT NULL	NUMBER(10)
2	PACKAGE_TRANSACTION_ID Primary unique numeric identifier for a transaction made up of samples or sample measurements	NOT NULL	NUMBER(10)
3	FILE_NAME The name of the file for the package.	NOT NULL	VARCHAR2(64)
4	ENTRY_TIMESTAMP Entry date/time	NOT NULL	DATE
5	ENTRY_USERID Entry by userid	NOT NULL	VARCHAR2(30)
6	UPDATE_TIMESTAMP Update date/time	NOT NULL	DATE
7	UPDATE_USERID Updated by userid	NOT NULL	VARCHAR2(30)

Foreign Keys:

GYSPTF_GYSPT_FK
PACKAGE_TRANSACTION_ID = GYS_PACKAGE_TRANSACTION.PACKAGE_TRANSACTION_ID

Indexes:

GYSPTF_GYSPT_FK_I
PACKAGE_TRANSACTION_ID

Table: GYS_PACKAGE_TRANSACTION_LOG*Description:*

Provides a container for writing business and system information, warnings and errors. As this table acts as a queriable, historical log, entries within it will never be updated. When required, the table may be purged.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	PACKAGE_TRANSACTION_LOG_ID Primary unique identifier for an error entry.	NOT NULL	NUMBER(10)
2	PACKAGE_TRANSACTION_CONTEXT_ID Primary unique numeric identifier for a package made up of polygons.	NULL	NUMBER(10)
3	PACKAGE_TRANSACTION_ID Primary unique numeric identifier for a transaction made up of samples or sample measurements	NULL	NUMBER(10)
4	MESSAGE_LEVEL_CODE Code representation of the error level.	NOT NULL	VARCHAR2(4)
5	MESSAGE_TYPE_CODE Code representation of the process type.	NOT NULL	VARCHAR2(3)
6	LOG_MESSAGE Contains the application text error.	NOT NULL	VARCHAR2(2000)
7	ENTRY_TIMESTAMP Entry date/time	NOT NULL	DATE
8	ENTRY_USERID Entry by userid	NOT NULL	VARCHAR2(30)

Foreign Keys:

GYSPTL_GYSMLC_FK
MESSAGE_LEVEL_CODE = GYS_MESSAGE_LEVEL_CODE.MESSAGE_LEVEL_CODE

GYSPTL_GYSMTC_FK
MESSAGE_TYPE_CODE = GYS_MESSAGE_TYPE_CODE.MESSAGE_TYPE_CODE

GYSPTL_GYSPTC_FK
PACKAGE_TRANSACTION_CONTEXT_ID =
GYS_PACKAGE_TRANS_CONTENT.PACKAGE_TRANSACTION_CONTEXT_ID

GYSPTL_GYSPT_FK
PACKAGE_TRANSACTION_ID = GYS_PACKAGE_TRANSACTION.PACKAGE_TRANSACTION_ID

Indexes:

GYSPTL_GYSMLC_FK_I
MESSAGE_LEVEL_CODE

GYSPTL_GYSMTC_FK_I
MESSAGE_TYPE_CODE

GYSPTL_GYSPTC_FK_I
PACKAGE_TRANSACTION_CONTEXT_ID

GYSPTL_GYSPT_FK_I
PACKAGE_TRANSACTION_ID

Table: GYS_PACKAGE_TRANS_CONTENT**Description:**

As a package transaction could have one or more samples or sample measurements within them so this entity will maintain the sample and sample measurement numbers loaded.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	PACKAGE_TRANSACTION_CONTEXT_ID Primary unique numeric identifier for a package made up of polygons.	NOT NULL	NUMBER(10)
2	PACKAGE_TRANSACTION_ID Primary unique numeric identifier for a transaction made up of samples or sample measurements	NOT NULL	NUMBER(10)
3	RCL_AREA_VALIDN_SKEY Unique surrogate key identifier for a RCL Area Validation Code entry.	NOT NULL	NUMBER(7)
4	SAMPLE_TYPE_CODE A code indicating the type of sample e.g. G = Growth Natural, S = Standard Inventory.	NOT NULL	VARCHAR2(10)
5	INSTALLATION_NO Installation identification number - must be unique for a sample type within Region, Compartment and Compartment Letter. <i>SED 0:8 Installation</i>	NULL	NUMBER(3)
6	SAMPLE_NO Sample identification number - must be unique for a sample type within Region, Compartment, Compartment Letter and Installation. <i>SED 0:11 Sample No</i>	NOT NULL	NUMBER(3)
7	MEASUREMENT_NO Zero denotes the first measurement, one the first remeasurement, etc. <i>SED 0:15 Measurement No</i> <i>HH Sp_Meas:17 sm_meas_no</i> <i>The SED measurement number comes in as either 1-9, or as an alphabetic character representing measurement numbers greater than 9, for example, A=10, B=11.</i> <i>The SED alphabetic measurement numbers should be converted to their numeric equivalents.</i>	NULL	NUMBER(3)
8	ENTRY_TIMESTAMP Entry date/time	NOT NULL	DATE
9	ENTRY_USERID Entry by userid	NOT NULL	VARCHAR2(30)
10	UPDATE_TIMESTAMP Update date/time	NOT NULL	DATE
11	UPDATE_USERID Updated by userid	NOT NULL	VARCHAR2(30)

Foreign Keys:

GYSPTC_GYSPT_FK
PACKAGE_TRANSACTION_ID = GYS_PACKAGE_TRANSACTION.PACKAGE_TRANSACTION_ID
GYSPTC_GYSRCL_FK
RCL_AREA_VALIDN_SKEY = RCL_AREA_VALIDN_CODES.RCL_AREA_VALIDN_SKEY
GYSPTC_GYSSTC_FK
SAMPLE_TYPE_CODE = GYS_SAMPLE_TYPE_CODE.SAMPLE_TYPE_CODE

Indexes:

GYSPTC_GYSPT_FK_I
PACKAGE_TRANSACTION_ID
GYSPTC_GYSRCL_FK_I
RCL_AREA_VALIDN_SKEY
GYSPTC_GYSSTC_FK_I
SAMPLE_TYPE_CODE

Table: GYS_PACKAGE_TRANS_TYPE_CODE*Description:*

Currently the GYS system has two type of file formats that is supports. One is the SED format and the second is the handheld format. In the future a XML format will be supported. The package transaction type code identifies the transaction (file) type or the file format of the sample or sample measurement.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TRANSACTION_TYPE_CODE A code that describes the type of transaction.eg.HH - HandHeld Sample Data Collection SED - Sample Edit Data CollectionXML - XML Data Collection	NOT NULL	VARCHAR2(10)
2	DESCRIPTION Provides the description for the code. This is the human readable form of the code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Effective date/time	NOT NULL	DATE
4	EXPIRY_DATE Expiry date/time	NOT NULL	DATE
5	UPDATE_TIMESTAMP Update date/time	NOT NULL	DATE

Table: GYS_PATHOLOGICAL_OBSERVATION*Description:*

A PATHOLOGICAL OBSERVATION is an observation of the presence of decay on one or more thirds of the stem.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	PATHOLOGICAL_OBSERVATION_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
2	PATHOLOGICAL_OBSRVTN_CODE A code which describes pathological decay indicators present for the tree. Examples: CNK = Conk, ROT = Rotten Branch	NOT NULL	VARCHAR2(10)
3	TREE_MEASUREMENT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
4	TREE_THIRD_CODE A code which denotes one or more thirds of the stem. Examples: 1 = lower third, 2 = middle third, 4 = lower and middle third.	NOT NULL	VARCHAR2(10)
5	ENTRY_TIMESTAMP Date/time the record was created.	NOT NULL	DATE
6	ENTRY_USERID ID of the user who created the record.	NOT NULL	VARCHAR2(30)
7	UPDATE_TIMESTAMP Date/time the record was last updated.	NULL	DATE
8	UPDATE_USERID ID of the user who last updated the record.	NULL	VARCHAR2(30)

Foreign Keys:

GYS_PO_GYS_POC_FK
 PATHOLOGICAL_OBSRVTN_CODE =
 GYS_PATHOLOGICAL_OBSRVTN_CODE.PATHOLOGICAL_OBSRVTN_CODE
 GYS_PO_GYS_TM_FK
 TREE_MEASUREMENT_ID = GYS_TREE_MEASUREMENT.TREE_MEASUREMENT_ID
 GYS_PO_GYS_TTHC_FK
 TREE_THIRD_CODE = GYS_TREE_THIRD_CODE.TREE_THIRD_CODE

Indexes:

GYS_PO_GYS_POC_FK_I
 PATHOLOGICAL_OBSRVTN_CODE
 GYS_PO_GYS_TM_FK_I
 TREE_MEASUREMENT_ID
 GYS_PO_GYS_TTHC_FK_I
 TREE_THIRD_CODE

Table: GYS_PATHOLOGICAL_OBSRVTN_CODE*Description:*

A PATHOLOGICAL OBSERVATION TYPE CODE is a code which describes pathological decay indicators present for the tree. Examples: CNK = Conk, ROT = Rotten Branch

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	PATHOLOGICAL_OBSRVTN_CODE A code which describes pathological decay indicators present for the tree. Examples: CNK = Conk, ROT = Rotten Branch	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_PITH_CODE*Description:*

A PITH CODE is a code that describes the condition of the pith on boring a tree for age. The pith was hit and was intact or the pith was hit and found to be rotten. Examples: P = Pith Obtained, R = Rotten

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	PITH_CODE A code that describes the condition of the pith on boring a tree for age. The pith was hit and was intact or the pith was hit and found to be rotten. Examples: P = Pith Obtained, R = Rotten	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_PLOT**Description:**

A PLOT is a physical area within a given SAMPLE used to determine how much of a given characteristic is present for a given TREE.

A STEM MAPPING is a measure of the bearing and horizontal distance (corrected slope distance) of a plot tree relative to a common sample reference point (e.g. plot centre stake).

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	PLOT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
2	SLOPE_POSITION_CODE A code which identifies the sample position within a water catchment profile. Examples: U = upper, T = toe.	NULL	VARCHAR2(10)
3	SAMPLE_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
4	PLOT_NO The plot within a sample. A circular or rectangular area within which trees are measured (tallied). Number of plots per sample varies by sample type. Sample type G or T = 1 to 3 plots per sample, I = 1 to 10, R = 1, S = 1 to 6. <i>SED 4:17 Plot Number</i> <i>HH Plot:17 pl_plot_no</i>	NOT NULL	NUMBER(2)
5	PLOT_ASPECT Plot aspect in degrees. Value 0 = Flat, 45 = NE, 90 = E, 135 = SE, 180 = S, 225 = SW, 270 = W, 315 = NW, 360 = N. <i>HH Plot:19 pl_aspect</i>	NULL	NUMBER(3)
6	PLOT_SLOPE Plot slope in percent. Range 0 to 99. <i>HH Plot:22 pl_slope</i>	NULL	NUMBER(3)
7	PLOT_ELEVATION The elevation in metres above sea level of the site location. Range 0 to 3000. <i>HH Plot:26 pl_elevate</i>	NULL	NUMBER(4)
8	PLOT_RADIUS Plot radius in metres for fixed radius plot. Must be consistent with plot area, if present and Per Hectare Factor. <i>HH Plot:30 pl_radius</i> <i>SED 2:35 Main Plot Radius (m)</i>	NULL	NUMBER(5,2)
9	PLOT_AREA Plot area in hectares rounded to the nearest 0.001. Must be consistent with plot radius and per hectare factor. <i>HH Plot:35 pl_area</i> <i>SED 2:39 Main Plot Area (ha)</i>	NULL	NUMBER(6,4)
10	PLOT_LENGTH The length of the longest side of a rectangular sample plot. <i>HH Plot:41 pl_lgth</i>	NULL	NUMBER(6,2)
11	PLOT_WIDTH The length of the shortest side of a rectangular sample plot. <i>HH Plot:47 pl_wdth</i>	NULL	NUMBER(6,2)
12	BASAL_AREA_FACTOR The diameter of a tree at breast height (1.3 metres) and its distance from the plot centre will determine whether the tree is in the variable radius (prism) plot. The BASAL AREA FACTOR is a conversion factor that allows you to extrapolate to represent the stem area (metres squared) per hectare. <i>HH Plot:53 pl_ba_fctr</i> <i>SED 2:30 Basal Area Factor No 1</i>	NULL	NUMBER(6,3)
13	CENTER_STAKE_OK_IND Indicates whether the center stake for the plot is present. Values: Y, N. <i>HH Plot:91 pl_stk_ok</i>	NULL	VARCHAR2(1)
14	STEM_MAP_OFF_BRG_TO_PLT_CENTER Bearing from offset compass position to plot centre. Currently for Growth Natural (G) samples only. This indicates that stem map measurements were not taken from plot centre but from an offset point. <i>SED 6:66 Stem Map Offset - Bearing to Center (0-360)</i>	NULL	NUMBER(3)

Table: GYS_PLOT (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	<i>HH Plot:59 pl_os_bear</i> If the plot if full stem mapped (stem mapped ind = Y) then there may be stem map offset variables (bearing, slope percent, slope distance) recorded. This indicates that measurements for trees were not taken from plot center but from an offset point. SEData card type 6 is a stem map record for a tree. These offset variables should be written into the card type 6 for each tree stem mapped.		
15	STEM_MAP_OFF_SLOPE_PERCENT	NULL	NUMBER(3)
	Slope reading in percent for stem map offset compass position. <i>SED 6:69 Stem Map Offset - Slope Percent</i> <i>HH Plot:62 pl_os_slop</i>		
16	STEM_MAP_OFF_SLOPE_DISTANCE	NULL	NUMBER(5,2)
	Slope distance (metres) from stem map offset compass position to plot centre. <i>SED 6:71 Stem Map Offset - Slope Distance</i> <i>HH Plot:65 pl_ossdist</i>		
17	IN_GROWTH_RADIUS	NULL	NUMBER(4,2)
	Ingrowth subplot radius; used for Intensive Forestry samples only. <i>HH Plot:87 pl_ing_rad</i>		
18	TAGGING_SECTOR_CNT	NULL	NUMBER(2)
	Number of tagging sectors in the plot. Values = blank or 1 to 16. <i>HH Plot:95 pl_num_sec</i>		
19	TIELINE_BEARING	NULL	NUMBER(3)
	Tie-line bearing from tie point reference to plot one or, in a sample composed of several plots, the bearing from a plot to the next plot in sequence.		
20	TIELINE_DISTANCE	NULL	NUMBER(5,1)
	Distance from tie point to plot one or in a sample composed of several plots the distance from a plot to the next plot in sequence.		
21	ENTRY_TIMESTAMP	NOT NULL	DATE
	Date/time the record was created.		
22	ENTRY_USERID	NOT NULL	VARCHAR2(30)
	ID of the user who created the record.		
23	UPDATE_TIMESTAMP	NULL	DATE
	Date/time the record was last updated.		
24	UPDATE_USERID	NULL	VARCHAR2(30)
	ID of the user who last updated the record.		

Foreign Keys:

GYS_P_GYS_SPC_FK
 SLOPE_POSITION_CODE = GYS_SLOPE_POSITION_CODE.SLOPE_POSITION_CODE
 GYS_P_GYS_S_FK
 SAMPLE_ID = GYS_SAMPLE.SAMPLE_ID

Indexes:

GYS_P_GYS_SPC_FK_I
 SLOPE_POSITION_CODE
 GYS_P_GYS_S_FK_I
 SAMPLE_ID

Table: GYS_POSITION_METHOD_CODE*Description:*

Describes the method used to gather the position of the spatial data. Values include (DGPS) Differential GPS, (RGPS) Recreation GPS, (MAP) Map Based Coordinates, and (OTH) Other.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	POSITION_METHOD_CODE	NOT NULL	VARCHAR2(10)
	A code that identifies a method used to gather the position of the spatial data for a sample.		
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
	A description of this code.		
3	EFFECTIVE_DATE	NOT NULL	DATE
	Date/time the code is effective.		
4	EXPIRY_DATE	NOT NULL	DATE
	Date/time the code expires.		
5	UPDATE_TIMESTAMP	NOT NULL	DATE
	The date and time of the last update to this entry.		

Notes:

Added August 9 2007. John Jobson

Table: GYS_PRE_CONV_TREE_DMG_OCCUR**Description:**

Pre conversion tree damage occurrence is retained, pre-conversion tree damage information being held for potential correction of converted values. Conversion (in 2008) of damage information determined Damage Agent and Damage Severity values for tree damage and stored the values in TREE DAMAGE OCCURANCE. This pre-conversion input data from handhelds and SED cards is source data for the conversion tree damage values and is kept because the input values were inconsistent in some cases, and therefore conversion may not have created the correct tree damage information. This information will be retained until some future date when it will be corrected.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TREE_MEASUREMENT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
* 2	PRE_CONV_TREE_DAMAGE_OCCUR_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
3	DATA_COLLECTION_METHOD_CD A code that identifies the input data source as SEDATA (Standard Edit Data) format or as collected in Handheld format. Values: CARD, HH.	NOT NULL	VARCHAR2(10)
4	DAMAGE_ORDER The order in which the tree damage is reported for a tree measurement. Where order 1 would represent the primary tree damage and 2 would represent the secondary damage. The business area can only collect two types of tree damage with thier current data collection tools however the business area has reported collecting an addition three damage types manually.	NULL	NUMBER(3)
5	DAMAGE_AGENT_SEVERITY_CODE A single character code that describes the degree or nature of damage to a tree due to insect, disease or injury. Examples: RA - Red attack, mountain oine beetle, L = Low damage.	NOT NULL	VARCHAR2(10)
6	DAMAGE_AGENT_TYPE_CODE A code that describes the type of species that has damaged a tree. Examples: A = Animal Damage, C = Cone and Seed Insects.	NOT NULL	VARCHAR2(10)
7	DURATION_OF_ATTACKS Records the number of years of attacks when damage agent type code is Major crook, Minor crook, forking, or staghead	NULL	NUMBER(3)
8	HAWKSWORTH_CLASS Hawksworth Class is a six class dwarf mistletoe rating system for a tree. On a tree or stand basis, light infection is a rating of 1 to 2; moderate is 3 to 4; and severe is 5 to 6. For a stand, the rating is calculated as the average rating of all infected trees. Only identified when damage agent severity code is Major or Minor Stem Swell.	NULL	VARCHAR2(3)
9	SEVERITY_PERCENT Severity percent. The percentage of trees in the sample measurement that have been affected by the damage occurrence. IE: If a sample measurement has half its trees damaged by a mountain pine beetle (insect), then damage agent type code = 'I', damage species code = 'BM', and severity level percent = '50'.	NULL	NUMBER(3)
10	ENTRY_TIMESTAMP Date/time the record was created.	NOT NULL	DATE
11	ENTRY_USERID ID of the user who created the record.	NOT NULL	VARCHAR2(30)
12	UPDATE_TIMESTAMP Date/time the record was last updated.	NOT NULL	DATE
13	UPDATE_USERID ID of the user who last updated the record.	NOT NULL	VARCHAR2(30)

Foreign Keys:

PCTD_GYS_DCMC_FK
DATA_COLLECTION_METHOD_CD =
GYS_DATA_COLLECTION_METHOD_CD.DATA_COLLECTION_METHOD_CD
PCTD_GYS_TM_FK
TREE_MEASUREMENT_ID = GYS_TREE_MEASUREMENT.TREE_MEASUREMENT_ID

Indexes:

PCTD_GYS_DCMC_FK_I
DATA_COLLECTION_METHOD_CD

Table: GYS_PRE_CONV_TREE_DMG_OCCUR (cont'd)*Indexes:*

PCTD_GYS_TM_FK_I
TREE_MEASUREMENT_ID

Table: GYS_SAMPLE*Description:*

A SAMPLE is a cluster of physical areas, or plots, used to determine how much of a given characteristic is present in the PLOT.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 20	SAMPLE_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
30	BEC_CODE_ID Unique identifier for biogeoclimatic unit code.	NULL	NUMBER(5)
40	BEC_SITE_SERIES_ID Assigned numeric identifier for a site series unique within a biogeoclimatic unit.	NULL	NUMBER(5)
50	BEC_SOURCE_CODE A code indicating the data source for the Biogeoclimatic Ecosystem e.g. M = from map, F = from field data.	NULL	VARCHAR2(10)
60	HORIZONTAL_DATUM_CODE A mathematical approximation of the earth's shape. One of: NAD83, NAD27.	NULL	VARCHAR2(10)
70	BCGS_10K_MAP_TILE BCGS 1:10 000 Map number	NULL	VARCHAR2(32)
80	BCGS_20K_MAP_TILE BCGS 1:20 000 Map number	NULL	VARCHAR2(32)
90	ORG_UNIT_NO	NULL	NUMBER(10)
100	POSITION_METHOD_CODE A code that identifies a method used to gather the position of the spatial data for a sample.	NULL	VARCHAR2(10)
110	SAMPLE_CONTACT_ID A unique identifier for the contact.	NULL	NUMBER(10)
120	SAMPLE_STATUS_CODE A code indicating the condition of a sample e.g. A = Active, X = Destroyed.	NULL	VARCHAR2(10)
130	SAMPLING_METHOD_CODE A code indicating whether prism or relascop was used for point sampling. Values: P or R. Valid for sample type 'S' only.	NULL	VARCHAR2(10)
140	SPECIAL_CRUISE_SUBCODE A SPECIAL CRUISE SUBCODE is a supplemental code for Special Cruise number used to denote former Public Sustained Yield Units that have been subdivided into smaller subunit surveys. Examples: 1, 2, 3.	NULL	VARCHAR2(10)
150	SPECIAL_SAMPLE_CODE A code indicating a special purpose sample category e.g. C = control.	NULL	VARCHAR2(10)
160	STAND_ORIGIN_CODE A code indicating the way in which a stand became established e.g. C = Coppice, F = Fill Planted.	NULL	VARCHAR2(10)
170	TSA_NUMBER_CODE The unique identifier for the Timber Supply Area.	NULL	VARCHAR2(2)
180	TSB_NUMBER_CODE The unique identifier for the Timber Supply Block.	NULL	VARCHAR2(3)
185	DATA_OWNER_CODE A code indicating the representative for the collected permanent ground sample and associated information e.g. BFP = British Columbia Forest Products, DLL = Dunkley Lumber Ltd.	NULL	VARCHAR2(10)
190	VALIDATION_LEVEL_CODE Indicates the level of Validation applied against a sample prior to its loading. Values are: 0, 1, 2, or NULL, indicating the "Pass Level" of validation that was applied. If NULL then the sample was loaded bypassing all validation.	NULL	VARCHAR2(10)
200	RCL_AREA_VALIDN_SKEY Unique surrogate key identifier for a RCL Area Validation Code entry.	NOT NULL	NUMBER(7)
210	SAMPLE_TYPE_CODE A code indicating the type of sample e.g. G = Growth Natural, S = Standard Inventory.	NOT NULL	VARCHAR2(10)
220	INSTALLATION Installation identification number - must be unique for a sample type within Region, Compartment and Compartment Letter. <i>SED 0:8 Installation</i>	NULL	NUMBER(3)
230	SAMPLE_NO Sample identification number - must be unique for a sample type within Region, Compartment, Compartment Letter and Installation.	NOT NULL	NUMBER(3)

Table: GYS_SAMPLE (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	<i>SED 0:11 Sample No</i>		
240	UTM_ZONE The Universal Trans Mercator Projection (UTM) reference line from which the Easting distance is taken. <i>SED 0:23 UTM Grid Coordinates - Zone</i> <i>HH Sample:31 sa_uzone</i>	NULL	NUMBER(2)
250	UTM_EASTING Latitudinal Co-ordinate of the Universal Trans Mercator Projection (UTM). The co-ordinate that locates a SAMPLE along a latitudinal axis of a UTM map projection. <i>SED 0:25 UTM Grid Coordinates - Easting</i> <i>HH Sample:33 sa_easting</i>	NULL	NUMBER(6)
260	UTM_NORTHING Longitudinal coordinate of the Universal Trans Mercator Projection (UTM). The co-ordinate that locates the sample along a longitudinal axis of a UTM map projection. <i>SED 0:31 UTM Grid Coordinates - Northing</i> <i>HH Sample:39 sa_northng</i>	NULL	NUMBER(7)
270	OBJECTID A required attribute of feature classes and object classes in a geodatabase. This attribute is added to a SDE layer that was not previously created as part of a geodatabase but is now being registered with a geodatabase. This attribute maps to the OID column of the original dataset.	NULL	NUMBER(38)
280	GEOMETRY spatial column: coordinates defining the features.	NULL	
290	FEATURE_CLASS_SKEY Unique identifier for a feature class.	NOT NULL	NUMBER(38,0)
300	TIEPOINT_UTM_EASTING The X (easting) geographic coordinate that locates the Tie Point of a sample along a latitudinal axis of a UTM map projection.	NULL	NUMBER(6)
310	TIEPOINT_UTM_NORTHING The Y (northing) geographic coordinate that locates the Tie Point of a sample along a longitudinal axis of a UTM map projection.	NULL	NUMBER(7)
320	STEM_MAPPED_IND The Stem Mapped Indicator denotes whether the sample has been stem mapped or not. Valid values of stem mapped indicator are (Y)es and (N)o. Y = Yes, the sample has been stem mapped. N = No, the sample has not been stem mapped.	NULL	VARCHAR2(1)
330	TREATED_STAND_PLANTATION_YR The year that the sample was planted with young trees. <i>SED 0:57 Treated Stands - Plantation Year</i> <i>HH Sample:58 sa_plnt_yr</i>	NULL	NUMBER(4)
340	TREATED_STAND_AGE_OF_STOCK The age of tree stock (young trees) planted. <i>SED 0:59 Treated Stands - Age of Stock</i> <i>HH Sample:62 sa_age_stk</i>	NULL	NUMBER(1)
350	BGC_ZONE_CODE A code uniquely identifying a Biogeoclimatic Zone of interest to MOF.	NULL	VARCHAR2(4)
360	BGC_SUBZONE_CODE A code uniquely identifying a Biogeoclimatic SubZone of interest to MOF. A code used to designate a division of a specific biogeoclimatic Zone; a geographic area with a fairly uniform regional climate and a typical pattern of vegetation and soils. Subzones are not unique. They are only meaningful in conjunction with a Zone.	NULL	VARCHAR2(3)
370	VARIANT A one digit number used to denote a division of a specific biogeoclimatic subzone; A geographic area with a more specific regional climate. A variant has a specific pattern of vegetation and soils. Variants are only meaningful within a Zone and Subzone.	NULL	VARCHAR2(1)
380	PHASE A one character code used to denote an atypical area, resulting from local relief, in the regional climate of the subzones and variants. Phases are not unique. They only have meaning in combination with a specific Zone, Subzone and Variant.	NULL	VARCHAR2(1)
390	BEC_SITE_SERIES_CD	NULL	VARCHAR2(2)

Table: GYS_SAMPLE (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	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.		
400	SITE_SERIES_PHASE_CD	NULL	VARCHAR2(3)
	A subdivision of a site series used when site or soil properties differ sufficiently to affect management prescriptions.		
410	ECOSYSTEM_SUBPLOT_PHASE	NULL	VARCHAR2(1)
	A forestry code for the subplot phase where different from the sample phase. <i>HH Sample:106 sa_subphas</i>		
420	BGC_TRANSITION_IND	NULL	VARCHAR2(1)
	An indicator of whether the plot is within more than one BEC site series. BGC stands for Bio Geo Climatic. Values: Y, N. <i>HH Sample:198 sa_bgctran</i>		
430	SOIL_MOIST_REGIME_DOM	NULL	VARCHAR2(1)
	Soil Moisture Regime - Dominant. Value = blank or 0 to 8. Only one of the soil moisture attributes 'dominant', 'sub-dominant' or 'range' may be non-blank. <i>HH Sample:199 sa_smoistd</i>		
440	SOIL_MOIST_REGIME_SUB_DOM	NULL	VARCHAR2(1)
	Soil Moisture Regime - Sub-dominant. Value = blank or 0 to 8. Only one of the soil moisture attributes 'dominant', 'sub-dominant' or 'range' may be non-blank. <i>HH Sample:200 sa_smoists</i>		
450	SOIL_MOIST_REGIME_RANGE	NULL	VARCHAR2(2)
	Soil Moisture Regime - Range. Value = blank or 'mn'. Only one of the soil moisture attributes 'dominant', 'sub-dominant' or 'range' may be non-blank. <i>HH Sample:201 sa_smoistr</i>		
460	SOIL_NUTRIENT_REGIME_SINGLE	NULL	VARCHAR2(1)
	Soil Nutrient Regime - Single. Value = blank or 'A' to 'E'. Only one of soil nutrient attributes 'single' or 'range' may be non-blank. <i>HH Sample:203 sa_snutris</i>		
470	SOIL_NUTRIENT_REGIME_RANGE	NULL	VARCHAR2(2)
	Soil Nutrient Regime - Range. Value = blank or 'mn'. Only one of soil nutrient attributes 'single' or 'range' may be non-blank. <i>HH Sample:204 sa_snutrir</i>		
480	SITE_SERIES_PROPORTION_OF_PLOT	NULL	NUMBER(3)
	The proportion of the plot area attributed to the dominant site series. This would be 100% unless a second site series exists within the plot. <i>HH Sample:210 sa_ss1_pp</i>		
490	SPECIAL_CRUISE_NO	NULL	NUMBER(3)
	Code number for a Public Sustained Yield Unit (P.S.Y.U.), Tree Farm Licence (TFL) or other regulated unit. <i>SED 1:35 Special Cruise Number</i>		
500	SPECIAL_PROGRAM_IND	NULL	VARCHAR2(1)
	"Y" code for yes if a special program. Alternative values are "N" for no or blank. <i>SED 1:42 Special Program Flag</i> <i>HH Sample:187 sa_specprg</i>		
510	REGIONAL_PROJECT_NO	NULL	NUMBER(3)
	Unique number assigned to each inventory field project by Forest Region. (ie. Vancouver 100-199, Kamloops 200-299, Nelson 300-399, Cariboo 400-499, Prince George 500-599, Prince Rupert 600-699). <i>SED 1:43 Regional Project Number</i> <i>HH Sample:47 sa_proj_no</i>		
520	ESTABLISHMENT_YR	NULL	NUMBER(4)
	The year of sample establishment for a permanent sample plot. This represents the first year in which a particular sample plot area was designated as a permanent sample plot. <i>SED 1:68 Establishment Year</i> <i>HH Sample:50 sa_estb_yr</i>		
530	PLOTS_IN_SAMPLE_CNT	NULL	NUMBER(2)
	The number of primary plots that exist in the sample. Primary plots are the largest of all the plots, containing the largest number of trees.		

Table: GYS_SAMPLE (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
540	SED 2:23 No of Plots in Sample PER_HECTARE_FACTOR_1 Sample per hectare factor applied to trees tallied in the main plot allows conversion to density per hectare. SED 2:42 Per Hectare Factor No 1 This field could eventually be split into values for a Variable Radius Plot and a Fixed Radius Plot.	NULL	NUMBER(6,2)
550	COMPANY_SAMPLE_ID_CROSS_REF Sample identity code assigned to an Industrial sample by the Owner. Can be compared to the Ministry of Sustainable Resource Management's sample ID of region\compt\compt letter\sample number. A unique identity assigned to the sample which may be composed of plot and location codes unique to the industrial owner's samples. HH Sample:17 sa_csamp	NULL	VARCHAR2(14)
560	TFL Tree Farm Licence number (administrative unit) HH Sample:193 sa_tfl	NULL	NUMBER(2)
570	OPENING_NO Refers to the MoF administration number associated with forest harvest and management.. A unique number assigned to each opening in the forest caused by a disturbance (e.g. fire, logging, etc.) HH Sample:195 sa_opening	NULL	NUMBER(3)
580	FREQUENT_VALUE_ADJ_IND Indicates if the record was run through the Frequent Value Adjustment process during/prior to load. Values: Y, N.	NULL	VARCHAR2(1)
590	ENTRY_TIMESTAMP Date/time the record was created.	NOT NULL	DATE
600	ENTRY_USERID ID of the user who created the record.	NOT NULL	VARCHAR2(30)
610	UPDATE_TIMESTAMP Date/time the record was last updated.	NOT NULL	DATE
620	UPDATE_USERID ID of the user who last updated the record.	NOT NULL	VARCHAR2(30)

Foreign Keys:

GYS_S_BCGS_B1G_FK
 BCGS_10K_MAP_TILE = BCGS_10K_GRID.MAP_TILE
 GYS_S_BCGS_B2G_FK
 BCGS_20K_MAP_TILE = BCGS_20K_GRID.MAP_TILE
 GYS_S_BCT_FK
 BEC_CODE_ID = BEC_CODE_TABLE.BEC_CODE_ID
 GYS_S_BSS_FK
 BEC_SITE_SERIES_ID = BEC_SITE_SERIES.BEC_SITE_SERIES_ID
 GYS_S_GYSRCL_FK
 RCL_AREA_VALIDN_SKEY = RCL_AREA_VALIDN_CODES.RCL_AREA_VALIDN_SKEY
 GYS_S_GYSSC_FK
 SAMPLE_CONTACT_ID = GYS_SAMPLE_CONTACT.SAMPLE_CONTACT_ID
 GYS_S_GYSSTC_FK
 SAMPLE_TYPE_CODE = GYS_SAMPLE_TYPE_CODE.SAMPLE_TYPE_CODE
 GYS_S_GYS_BSC_FK
 BEC_SOURCE_CODE = GYS_BEC_SOURCE_CODE.BEC_SOURCE_CODE
 GYS_S_GYS_DOC_FK
 DATA_OWNER_CODE = GYS_DATA_OWNER_CODE.DATA_OWNER_CODE
 GYS_S_GYS_SCS_FK
 SPECIAL_CRUISE_SUBCODE = GYS_SPECIAL_CRUISE_SUBCODE.SPECIAL_CRUISE_SUBCODE
 GYS_S_GYS_SMC_FK
 SAMPLING_METHOD_CODE = GYS_SAMPLING_METHOD_CODE.SAMPLING_METHOD_CODE
 GYS_S_GYS_SOC_FK
 STAND_ORIGIN_CODE = GYS_STAND_ORIGIN_CODE.STAND_ORIGIN_CODE
 GYS_S_GYS_SPSC_FK

Table: GYS_SAMPLE (cont'd)*Foreign Keys:*

SPECIAL_SAMPLE_CODE = GYS_SPECIAL_SAMPLE_CODE.SPECIAL_SAMPLE_CODE
 GYS_S_GYS_SSC_FK
 SAMPLE_STATUS_CODE = GYS_SAMPLE_STATUS_CODE.SAMPLE_STATUS_CODE
 GYS_S_GYS_VLC_FK
 VALIDATION_LEVEL_CODE = GYS_VALIDATION_LEVEL_CODE.VALIDATION_LEVEL_CODE
 GYS_S_HDC_FK
 HORIZONTAL_DATUM_CODE = HORIZONTAL_DATUM_CODE.HORIZONTAL_DATUM_CODE
 GYS_S_ORG_UNIT_FK
 ORG_UNIT_NO = ORG_UNIT.ORG_UNIT_NO
 GYS_S_PMC_FK
 POSITION_METHOD_CODE = GYS_POSITION_METHOD_CODE.POSITION_METHOD_CODE
 GYS_S_TSANC_FK
 TSA_NUMBER_CODE = TSA_NUMBER_CODE.TSA_NUMBER_CODE
 GYS_S_TSBNC_FK
 TSB_NUMBER_CODE = TSB_NUMBER_CODE.TSB_NUMBER_CODE

Indexes:

GYS_S_BCGS_B1G_FK_I
 BCGS_10K_MAP_TILE
 GYS_S_BCGS_B2G_FK_I
 BCGS_20K_MAP_TILE
 GYS_S_BCT_FK_I
 BEC_CODE_ID
 GYS_S_BSS_FK_I
 BEC_SITE_SERIES_ID
 GYS_S_GYSRCL_FK_I
 RCL_AREA_VALIDN_SKEY
 GYS_S_GYSSC_FK_I
 SAMPLE_CONTACT_ID
 GYS_S_GYSSTC_FK_I
 SAMPLE_TYPE_CODE
 GYS_S_GYS_BSC_FK_I
 BEC_SOURCE_CODE
 GYS_S_GYS_DOC_FK_I
 DATA_OWNER_CODE
 GYS_S_GYS_SCS_FK_I
 SPECIAL_CRUISE_SUBCODE
 GYS_S_GYS_SMC_FK_I
 SAMPLING_METHOD_CODE
 GYS_S_GYS_SOC_FK_I
 STAND_ORIGIN_CODE
 GYS_S_GYS_SPSC_FK_I
 SPECIAL_SAMPLE_CODE
 GYS_S_GYS_SSC_FK_I
 SAMPLE_STATUS_CODE
 GYS_S_GYS_VLC_FK_I
 VALIDATION_LEVEL_CODE
 GYS_S_HDC_FK_I
 HORIZONTAL_DATUM_CODE
 GYS_S_ORG_UNIT_FK_I
 ORG_UNIT_NO
 GYS_S_PMC_FK_I
 POSITION_METHOD_CODE
 GYS_S_TSANC_FK_I
 TSA_NUMBER_CODE
 GYS_S_TSBNC_FK_I
 TSB_NUMBER_CODE

Notes:

Table: GYS_SAMPLE (cont'd)*Notes:*

Information sent from Richard Bott to Bev Denslow on 2005-01-31 regarding the Handheld validation of Map Number (SA_MAP_NO):

"May be blank. If not blank, the leftmost 3 characters must be 82 (or 082), 92 (or 092), 93 (or 093), 94 (or 094), 102, 103, 104 or 114; the next character (the 4th) must be from A to P (upper case); and the last 4 characters (5th thru 8th) must be numeric and non-zero. Either a 7 or 8 character value may be entered. If only a 7 character field is entered - 999A999, the 3 digit map number is still validated for being non-zero. Being a character field, it is left-justified so a 3 digit map number should have a space entered as the 8th character in the whole field."

Table: GYS_SAMPLE_COMMENT*Description:*

A comment or a series of comments will be provided for a sample after each sample measurement.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SAMPLE_COMMENT_ID A unique identifier for the contact.	NOT NULL	NUMBER(10)
* 2	SAMPLE_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
4	SAMPLE_COMMENT Comment on the sample of the sample measurement	NOT NULL	VARCHAR2(2000)
5	COMMENT_DATE Date/time the comment was recorded.	NOT NULL	DATE
6	ENTRY_TIMESTAMP Date/time the record was created.	NOT NULL	DATE
7	ENTRY_USERID ID of the user who created the record.	NOT NULL	VARCHAR2(30)
8	UPDATE_TIMESTAMP Date/time the record was last updated.	NOT NULL	DATE
9	UPDATE_USERID ID of the user who last updated the record.	NOT NULL	VARCHAR2(30)

Foreign Keys:

GYSSCMT_GYS_S_FK
SAMPLE_ID = GYS_SAMPLE.SAMPLE_ID

Indexes:

GYSSCMT_GYS_S_FK_I
SAMPLE_ID

Table: GYS_SAMPLE_CONTACT*Description:*

An individual that can be contacted to get additional information about Samples. Current contacts include Ministry staff only at this time. Individual consultants maybe added in the future.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SAMPLE_CONTACT_ID A unique identifier for the contact.	NOT NULL	NUMBER(10)
2	FIRST_NAME The first name of the contact.	NOT NULL	VARCHAR2(30)
3	LAST_NAME The last name of the contact.	NOT NULL	VARCHAR2(60)
4	EMAIL The email address of the contact.	NOT NULL	VARCHAR2(128)
5	PHONE_NUMBER The phone number of the contact.	NOT NULL	VARCHAR2(10)
6	PHONE_EXTENSION The phone number extension of the contact.	NULL	VARCHAR2(5)
7	ENTRY_TIMESTAMP Date/time the record was created.	NOT NULL	DATE
8	ENTRY_USERID ID of the user who created the record.	NOT NULL	VARCHAR2(30)
9	UPDATE_TIMESTAMP Date/time the record was last updated.	NOT NULL	DATE
10	UPDATE_USERID ID of the user who last updated the record.	NOT NULL	VARCHAR2(30)

Table: GYS_SAMPLE_MEASUREMENT**Description:**

A SAMPLE MEASUREMENT is an assessment of attributes within a given SAMPLE.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SAMPLE_MEASUREMENT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
2	AGENCY_TYPE_CODE A code that describes the type of agency that owns the sample. Applies when the sample owner is other than the government of B.C. Examples: F = Federal, I = Industrial.	NULL	VARCHAR2(10)
3	LAYER_CODE A code that denotes a layer; a horizontal stratum in the forest appearing as one or more canopies. Examples: 1 = main layer, V = veteran layer.	NULL	VARCHAR2(10)
4	ORG_UNIT_NO	NULL	NUMBER(10)
5	SPACING_FACTOR_TYPE_CODE A code that describes the type of spacing factor that applies to the sample. Examples: T = triangular, S = square	NULL	VARCHAR2(10)
6	STAND_HIST_DISTURBANCE_CD A code that describes disturbance at a sample level as complete (sample destroyed) or partial. Examples: C = complete disturbance, P = partial disturbance.	NULL	VARCHAR2(10)
7	STAND_STRUCTURE_CODE A code that describes the physical arrangement or pattern of organization of the stand. Stand structure is described and classified according to recognizable age and height differences. Examples: 1 = single layer, simple stands; 3 = multi-layered stand	NULL	VARCHAR2(10)
8	DATA_COLLECTION_METHOD_CD A code that identifies the input data source as SEDATA (Standard Edit Data) format or as collected in Handheld format. Values: CARD, HH.	NOT NULL	VARCHAR2(10)
9	SAMPLE_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
10	MEAS_NO Zero denotes the first measurement, one the first remeasurement, etc. <i>SED 0:15 Measurement No</i> <i>HH Sp_Meas:17 sm_meas_no</i> <i>The SED measurement number comes in as either 1-9, or as an alphabetic character representing measurement numbers greater than 9, for example, A=10, B=11.</i> <i>The SED alphabetic measurement numbers should be converted to their numeric equivalents.</i>	NOT NULL	NUMBER(3)
11	MEAS_DATE The date on which the sample measurement was created. <i>SED 1:23 Measurement Date</i> <i>HH Sp_Meas:19 sm_date</i>	NOT NULL	DATE
12	AGE_HT_MIDPOINT An 'M' indicates that mean sample age and height are based on class midpoints. 'M' is valid for sample type 'S' before 1980 only. <i>SED 1:66 Age/Height Midpoint</i>	NULL	VARCHAR2(1)
13	AIR_PHOTO_FLIGHT_NO Flight number for aerial photograph. <i>SED 1:58 Air Photo Number - Flight Number</i> <i>HH Sample:79 sa_flt_no</i>	NULL	VARCHAR2(5)
14	AIR_PHOTO_NO Photo number for aerial photograph. <i>SED 1:63 Air Photo Number - Photo Number</i> <i>HH Sample:84 sa_photono</i>	NULL	NUMBER(3)
15	CONTRACTOR_NAME Name of contractor who measured the sample. <i>HH Sp_Meas:51 sm_cntrctr</i>	NULL	VARCHAR2(10)
16	CREW_MEMBER_1 Name of the lead crew member who worked for the contractor in measuring the sample.	NULL	VARCHAR2(25)

Table: GYS_SAMPLE_MEASUREMENT (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
17	<i>HH Sp_Meas:61 sm_fcrew1</i> CREW_MEMBER_2 Name of a second crew member who worked for the contractor in measuring the sample.	NULL	VARCHAR2(25)
18	<i>HH Sp_Meas:86 sm_fcrew2</i> DBH_CONVERTED_IND A 'C' indicates that diameters at 1.37 meters (4.5 ft) were converted to diameter at 1.3 meters using Damerschalks formula. A blank means that diameters were not converted.	NULL	VARCHAR2(1)
19	<i>SED 1:67 DBH Converted?</i> DIAM_CLASS_VER_NO The version number that corresponds to the assigned diameter class limit range.	NULL	NUMBER(2)
20	<i>SED 8:77 Diameter Class Version Number</i> GROWING_SEASON_YR The Growing Season Year during which the sample measurement took place. If measurement date is Jan 1st through June 30th then growing season year = measurement year -1. If measurement date is July 1st through Dec 31st then growing season year = measurement year.	NULL	NUMBER(4)
21	<i>SED 1:72 Growing Season Year</i> SAMPLE_BREAK_POINT_IND The break point indicator defines the value recorded in Break Point as being either a diameter break point or height tag limit break point. Values: H(eight), D(iameter)	NULL	VARCHAR2(1)
22	SAMPLE_BREAK_POINT The break point for a sample measurement. The sample break point attribute from handheld format records the value of a diameter break point (in cm) or height tag limit break point (in metres). SAMPLE_BREAK_POINT_IND identifies the break point as either a diameter or height break point. From Standard Edit Data (SEDATA) format the Diameter Break Point is the minimum diameter for trees within the sample which were to be measured in the main plot(s). The Height Tag Limit is the break point for measurement of small trees. Small trees above the height limit were to be tagged and measured. Break point values from SEDATA format are converted to create SAMPLE_BREAK_POINT and SAMPLE_BREAK_POINT_IND at load to Oracle.	NULL	NUMBER(4,1)
23	IN_OUT_OF_PROV_IND Code for indicating whether plot is from within Province (=blank); out of Province, Canada (=N for National); or Out of Province, International (=I for International).	NULL	VARCHAR2(1)
24	<i>SED 3:71 In/Out of Province</i> LAYER_CNT Number of stand layers present, may be 1 or 2 only. Each layer or component must have a corresponding card type 3 "layer" description.	NULL	NUMBER(1)
25	<i>SED 1:32 No of Layers</i> PHOTO_70_MM_IND Indicates whether sample has 70 mm photography or not, a code of 1 = yes, blank = no.	NULL	VARCHAR2(1)
26	<i>SED 1:70 70mm?</i> <i>HH Sample:87 sa_photo70</i> PHOTO_GRID_X_COORD Plot centre horizontal coordinate grid for large (70mm) scale photography	NULL	NUMBER(3)
27	<i>SED 0:38 Photo Grid Coordinates - X</i> <i>HH Sample:88 sa_photo_x</i> PHOTO_GRID_Y_COORD Plot centre vertical coordinate grid for large scale (70mm) photography	NULL	NUMBER(3)
28	<i>SED 0:41 Photo Grid Coordinates - Y</i> <i>HH Sample:91 sa_photo_y</i> POLYGON_NO Unique reference number for forest cover or vegetation polygon on a digital BC Geographic System (BCGS) map sheet.	NULL	NUMBER(4)
29	<i>SED 1:54 Polygon Number</i> <i>HH Sample:75 sa_poly_no</i> SAMPLE_MIN_DBH Sample minimum diameter. Indicates the minimum DBH (diameter at breast height) for trees are to be included for compilation of volume and other calculations.	NULL	NUMBER(3,1)
	<i>SED 2:26 Sample Minimum DBH</i>		

Table: GYS_SAMPLE_MEASUREMENT (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
30	SPECIAL_SITE_HT Site class code used when age and height of stand do not reflect site productivity. <i>HH Sample:63 sa_act_ht</i>	NULL	NUMBER(4,1)
31	STEMS_PER_HA Stems per hectare. The number of tree stems per hectare. <i>HH Sp_Meas:126 sm_stem_ha</i>	NULL	NUMBER(5)
32	REMARKS Remarks relevant to the collection of sample data at a particular measurement. <i>HH Sp_Meas:131 sm_memo</i>	NULL	VARCHAR2(100)
33	SIBEC_MEASUREMENT_IND Indicates whether a Site Index-Biogeoclimatic Ecological Classification (SIBEC) measurement was done; (Y)es or (N)o.	NULL	VARCHAR2(1)
34	SELECTIVELY_LOGGED_IND Indicates selective logging of the sample. Values 'S' or blank. <i>SED 1:71 Sel Logged</i> <i>HH Sample:54 sa_slctlog</i>	NULL	VARCHAR2(1)
35	DIAM_MEASURED_AT_13M_IND Indicates that diameters for trees above diameter break point were measured at a height of 1.3 metres (metric breast height) on the tree. Values: Y, N. <i>HH Sample:24 sa_d13</i>	NULL	VARCHAR2(1)
36	DIAM_MEASURED_AT_137M_IND Indicates that diameters for trees above diameter break point were measured at a height of 1.37 metres (Imperial breast height) on the tree. Values: Y, N. <i>HH Sample:25 sa_d137</i>	NULL	VARCHAR2(1)
37	DISTANCE_TO_DISTURBANCE Distance in meters from PSP boundary to disturbance.	NULL	NUMBER(5,1)
38	RULE_PASS_IND An indicator to reflect a sample measurement meets all the business rules defined for a sample measurement. These rules are currently defined to be pass 0, pass 1 and pass 2 business rules. So if this indicator is Y the sample measurement meets all the pass 0,1,2 business rules.	NULL	VARCHAR2(1)
39	AUDIT_IND An indicator to reflect the business area has reviewed this sample measurement and deems this sample measurement to be usable by the larger business area. A sample measurement maybe audited but may not pass all the business rules indicated by the RULE PASS IND field. This can occur as the sample measurement cannot be adjusted any further due to limited knowledge of the sample measurement origin or limitations to the data format that collected the sample measurement.	NULL	VARCHAR2(1)
40	ENTRY_TIMESTAMP Date/time the record was created.	NOT NULL	DATE
41	ENTRY_USERID ID of the user who created the record.	NOT NULL	VARCHAR2(30)
42	UPDATE_TIMESTAMP Date/time the record was last updated.	NOT NULL	DATE
43	UPDATE_USERID ID of the user who last updated the record.	NOT NULL	VARCHAR2(30)

Foreign Keys:

GYS_SM_GYS_ATC_FK

AGENCY_TYPE_CODE = GYS_AGENCY_TYPE_CODE.AGENCY_TYPE_CODE

GYS_SM_GYS_DCMC_FK

DATA_COLLECTION_METHOD_CD =

GYS_DATA_COLLECTION_METHOD_CD.DATA_COLLECTION_METHOD_CD

GYS_SM_GYS_LC_1_FK

LAYER_CODE = GYS_LAYER_CODE.LAYER_CODE

GYS_SM_GYS_SFTC_FK

SPACING_FACTOR_TYPE_CODE = GYS_SPACING_FACTOR_TYPE_CODE.SPACING_FACTOR_TYPE_CODE

GYS_SM_GYS_SHDC_FK

STAND_HIST_DISTURBANCE_CD = GYS_STAND_HIST_DISTURBANCE_CD.STAND_HIST_DISTURBANCE_CD

Table: GYS_SAMPLE_MEASUREMENT (cont'd)*Foreign Keys:*

GYS_SM_GYS_STSC_FK
STAND_STRUCTURE_CODE = GYS_STAND_STRUCTURE_CODE.STAND_STRUCTURE_CODE
GYS_SM_GYS_S_FK
SAMPLE_ID = GYS_SAMPLE.SAMPLE_ID
GYS_SM_ORG_UNIT_FK
ORG_UNIT_NO = ORG_UNIT.ORG_UNIT_NO

Indexes:

GYS_SM_GYS_ATC_FK_I
AGENCY_TYPE_CODE
GYS_SM_GYS_DCMC_FK_I
DATA_COLLECTION_METHOD_CD
GYS_SM_GYS_LC_1_FK_I
LAYER_CODE
GYS_SM_GYS_SFTC_FK_I
SPACING_FACTOR_TYPE_CODE
GYS_SM_GYS_SHDC_FK_I
STAND_HIST_DISTURBANCE_CD
GYS_SM_GYS_STSC_FK_I
STAND_STRUCTURE_CODE
GYS_SM_GYS_S_FK_I
SAMPLE_ID
GYS_SM_ORG_UNIT_FK_I
ORG_UNIT_NO

Table: GYS_SAMPLE_MEAS_DAMAGE_OCCUR*Description:*

Is an occurrence of damage to the sample measurement area. The damage is further identified by the damage agent species, damage agent type code and the severity level percent.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SAMPLE_MEASUREMENT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
* 2	SAMPLE_MEAS_DAMAGE_OCCUR_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
3	DAMAGE_AGENT_TYPE_CODE A code that describes the type of species that has damaged a tree. Examples: A = Animal Damage, C = Cone and Seed Insects.	NOT NULL	VARCHAR2(10)
4	DAMAGE_ORDER The order in which the sample damage is reported for a sample measurement. Where order 1 would represent the primary sample damage and 2 would represent the secondary damage for any sample measurement.	NOT NULL	NUMBER(3)
5	YEAR Damage Agent year is the year in which the disturbance to the stand attributable to the damage agent type occurred .	NULL	NUMBER(4)
6	SEVERITY_PERCENT Severity percent. The percentage of trees in the sample measurement that have been affected by the damage occurrence. IE: If a sample measurement has half its trees damaged by a mountain pine beetle (insect), then damage agent type code = 'I', damage species code = 'BM', and severity level percent = '50'.	NOT NULL	NUMBER(3)
7	ENTRY_TIMESTAMP Date/time the record was created.	NOT NULL	DATE
8	ENTRY_USERID ID of the user who created the record.	NOT NULL	VARCHAR2(30)
9	UPDATE_TIMESTAMP Date/time the record was last updated.	NOT NULL	DATE
10	UPDATE_USERID ID of the user who last updated the record.	NOT NULL	VARCHAR2(30)

Foreign Keys:

GYS_SDO_GYS_DATC_FK
DAMAGE_AGENT_TYPE_CODE = GYS_DAMAGE_AGENT_TYPE_CODE.DAMAGE_AGENT_TYPE_CODE
GYS_SDO_GYS_SM_FK
SAMPLE_MEASUREMENT_ID = GYS_SAMPLE_MEASUREMENT.SAMPLE_MEASUREMENT_ID

Indexes:

GYS_SDO_GYS_DATC_FK_I
DAMAGE_AGENT_TYPE_CODE
GYS_SDO_GYS_SM_FK_I
SAMPLE_MEASUREMENT_ID

Table: GYS_SAMPLE_STATUS_CODE*Description:*

A SAMPLE STATUS CODE is a code indicating the condition of a SAMPLE e.g. A = Active, X = Destroyed.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SAMPLE_STATUS_CODE A code indicating the condition of a sample e.g. A = Active, X = Destroyed.	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_SAMPLE_TYPE_CODE*Description:*

A SAMPLE TYPE CODE is a code indicating the type of SAMPLE e.g. G = Growth Natural, S = Standard Inventory.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SAMPLE_TYPE_CODE A code indicating the type of sample e.g. G = Growth Natural, S = Standard Inventory.	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_SAMPLING_METHOD_CODE*Description:*

A SAMPLING METHOD CODE is a code indicating whether prism or relascop was used for point sampling. Values: P or R. Valid for sample type 'S' only.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SAMPLING_METHOD_CODE A code indicating whether prism or relascop was used for point sampling. Values: P or R. Valid for sample type 'S' only.	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_SED_CARD_0*Description:*

This is a temporary table used to load the following main tables: GYS SAMPLE, GYS SAMPLE MEASUREMENT, GYS LAYER SPECIES ASSESSMENT, GYS PLOT, GYS IMPERIAL DBH CLASS COUNT, GYS METRIC DBH CLASS COUNT, GYS DEAD TREE TALLY, GYS TREE ASSESSMENT

Corresponds to a record in a Standard Edit Data (SEDATA)-format Card Type 0 input file.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAGING_AREA_ID	NOT NULL	NUMBER(38)
	Retrofitted from column STAGING_AREA_ID of table GRY_SED_CARD_0		
* 2	LINE_NUMBER	NOT NULL	NUMBER(38)
	Retrofitted from column LINE_NUMBER of table GRY_SED_CARD_0		
3	DB_KEY	NOT NULL	VARCHAR2(16)
	Retrofitted from column DB_KEY of table GRY_SED_CARD_0		
4	REGION	NULL	NUMBER(38)
	Retrofitted from column REGION of table GRY_SED_CARD_0		
5	COMPT	NULL	NUMBER(38)
	Retrofitted from column COMPT of table GRY_SED_CARD_0		
6	COMPT_LTR	NULL	VARCHAR2(1)
	Retrofitted from column COMPT_LTR of table GRY_SED_CARD_0		
7	INSTALLTN	NULL	NUMBER(38)
	Retrofitted from column INSTALLTN of table GRY_SED_CARD_0		
8	SAMP_NO	NULL	NUMBER(38)
	Retrofitted from column SAMP_NO of table GRY_SED_CARD_0		
9	SAMP_TYPE	NULL	VARCHAR2(1)
	Retrofitted from column SAMP_TYPE of table GRY_SED_CARD_0		
10	MEAS_NO	NULL	VARCHAR2(1)
	Retrofitted from column MEAS_NO of table GRY_SED_CARD_0		
11	UTM_ZONE	NULL	NUMBER(38)
	Retrofitted from column UTM_ZONE of table GRY_SED_CARD_0		
12	UTM_EASTING	NULL	NUMBER(38)
	Retrofitted from column UTM_EASTING of table GRY_SED_CARD_0		
13	UTM_NORTHING	NULL	NUMBER(38)
	Retrofitted from column UTM_NORTHING of table GRY_SED_CARD_0		
14	PHOTO_GRID_X_COORD	NULL	NUMBER(38)
	Retrofitted from column PHOTO_GRID_X_COORD of table GRY_SED_CARD_0		
15	PHOTO_GRID_Y_COORD	NULL	NUMBER(38)
	Retrofitted from column PHOTO_GRID_Y_COORD of table GRY_SED_CARD_0		
16	SAMP_ELEVATION	NULL	NUMBER(38)
	Retrofitted from column SAMP_ELEVATION of table GRY_SED_CARD_0		
17	SAMP_ASPECT	NULL	NUMBER(38)
	Retrofitted from column SAMP_ASPECT of table GRY_SED_CARD_0		
18	SAMP_SLOPE	NULL	NUMBER(38)
	Retrofitted from column SAMP_SLOPE of table GRY_SED_CARD_0		
19	STEM_MAPPED_IND	NULL	VARCHAR2(1)
	Retrofitted from column STEM_MAPPED_IND of table GRY_SED_CARD_0		
20	STAND_ORIGIN	NULL	VARCHAR2(1)
	Retrofitted from column STAND_ORIGIN of table GRY_SED_CARD_0		
21	SAMP_STATUS	NULL	VARCHAR2(1)
	Retrofitted from column SAMP_STATUS of table GRY_SED_CARD_0		
22	TREATED_STAND_PLANTATION_YR	NULL	NUMBER(38)
	Retrofitted from column TREATED_STAND_PLANTATION_YR of table GRY_SED_CARD_0		
23	TREATED_STAND_AGE_OF_STOCK	NULL	NUMBER(38)
	Retrofitted from column TREATED_STAND_AGE_OF_STOCK of table GRY_SED_CARD_0		
24	TREATED_STAND_THINNING	NULL	VARCHAR2(1)
	Retrofitted from column TREATED_STAND_THINNING of table GRY_SED_CARD_0		
25	TREATED_STAND_FERTILIZING	NULL	VARCHAR2(1)
	Retrofitted from column TREATED_STAND_FERTILIZING of table GRY_SED_CARD_0		
26	TREATED_STAND_PRUNING	NULL	VARCHAR2(1)
	Retrofitted from column TREATED_STAND_PRUNING of table GRY_SED_CARD_0		

Table: GYS_SED_CARD_0 (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
27	TREATED_STAND_OTHER_TREATMENT Retrofitted from column TREATED_STAND_OTHER_TREATMENT of table GRY_SED_CARD_0	NULL	VARCHAR2(1)
28	ECOSYSTEM_ZONE Retrofitted from column ECOSYSTEM_ZONE of table GRY_SED_CARD_0	NULL	VARCHAR2(4)
29	ECOSYSTEM_SUBZONE Retrofitted from column ECOSYSTEM_SUBZONE of table GRY_SED_CARD_0	NULL	VARCHAR2(3)
30	ECOSYSTEM_VARIANT Retrofitted from column ECOSYSTEM_VARIANT of table GRY_SED_CARD_0	NULL	VARCHAR2(1)
31	ECOSYSTEM_PHASE Retrofitted from column ECOSYSTEM_PHASE of table GRY_SED_CARD_0	NULL	VARCHAR2(1)
32	ECOSYSTEM_BEC_SOURCE Retrofitted from column ECOSYSTEM_BEC_SOURCE of table GRY_SED_CARD_0	NULL	VARCHAR2(1)
33	NAD_YEAR Retrofitted from column NAD_YEAR of table GRY_SED_CARD_0	NULL	NUMBER(38)
34	SITE_SERIES_1 Retrofitted from column SITE_SERIES_1 of table GRY_SED_CARD_0	NULL	NUMBER(2)
35	SITE_SERIES_1_PHASE Retrofitted from column SITE_SERIES_1_PHASE of table GRY_SED_CARD_0	NULL	VARCHAR2(1)

Table: GYS_SED_CARD_1*Description:*

This is a temporary table used to load the following main tables: GYS SAMPLE, GYS SAMPLE MEASUREMENT
Corresponds to a record in a Standard Edit Data (SEDATA)-format Card Type 1 input file.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAGING_AREA_ID	NOT NULL	NUMBER(38)
	Retrofitted from column STAGING_AREA_ID of table GRY_SED_CARD_1		
* 2	LINE_NUMBER	NOT NULL	NUMBER(38)
	Retrofitted from column LINE_NUMBER of table GRY_SED_CARD_1		
3	DB_KEY	NOT NULL	VARCHAR2(16)
	Retrofitted from column DB_KEY of table GRY_SED_CARD_1		
4	DATA_OWNER	NULL	VARCHAR2(3)
	Retrofitted from column DATA_OWNER of table GRY_SED_CARD_1		
5	REGIONAL_PROJECT_NO	NULL	NUMBER(38)
	Retrofitted from column REGIONAL_PROJECT_NO of table GRY_SED_CARD_1		
6	MEAS_DATE	NULL	DATE
	Retrofitted from column MEAS_DATE of table GRY_SED_CARD_1		
7	SPECIAL_SAMPLE_CODE	NULL	VARCHAR2(1)
	Retrofitted from column SPECIAL_SAMPLE_CODE of table GRY_SED_CARD_1		
8	AGENCY_IND	NULL	VARCHAR2(1)
	Retrofitted from column AGENCY_IND of table GRY_SED_CARD_1		
9	STAND_STRUCTURE_CODE	NULL	NUMBER(38)
	Retrofitted from column STAND_STRUCTURE_CODE of table GRY_SED_CARD_1		
10	LAYER_CNT	NULL	NUMBER(38)
	Retrofitted from column LAYER_CNT of table GRY_SED_CARD_1		
11	PRIMARY_LAYER	NULL	NUMBER(38)
	Retrofitted from column PRIMARY_LAYER of table GRY_SED_CARD_1		
12	FIZ	NULL	VARCHAR2(1)
	Retrofitted from column FIZ of table GRY_SED_CARD_1		
13	SPECIAL_CRUISE_NO	NULL	NUMBER(38)
	Retrofitted from column SPECIAL_CRUISE_NO of table GRY_SED_CARD_1		
14	SPECIAL_CRUISE_SUBCODE	NULL	NUMBER(38)
	Retrofitted from column SPECIAL_CRUISE_SUBCODE of table GRY_SED_CARD_1		
15	TSA	NULL	NUMBER(38)
	Retrofitted from column TSA of table GRY_SED_CARD_1		
16	TSA_BLOCK	NULL	VARCHAR2(1)
	Retrofitted from column TSA_BLOCK of table GRY_SED_CARD_1		
17	SPECIAL_PROGRAM_IND	NULL	VARCHAR2(1)
	Retrofitted from column SPECIAL_PROGRAM_IND of table GRY_SED_CARD_1		
18	BCGS_MAP_NO	NULL	VARCHAR2(8)
	Retrofitted from column BCGS_MAP_NO of table GRY_SED_CARD_1		
19	POLYGON_NO	NULL	NUMBER(38)
	Retrofitted from column POLYGON_NO of table GRY_SED_CARD_1		
20	AIR_PHOTO_FLIGHT_NO	NULL	VARCHAR2(8)
	Retrofitted from column AIR_PHOTO_FLIGHT_NO of table GRY_SED_CARD_1		
21	AIR_PHOTO_NO	NULL	VARCHAR2(8)
	Retrofitted from column AIR_PHOTO_NO of table GRY_SED_CARD_1		
22	AGE_HT_MIDPOINT	NULL	VARCHAR2(1)
	Retrofitted from column AGE_HT_MIDPOINT of table GRY_SED_CARD_1		
23	DBH_CONVERTED_IND	NULL	VARCHAR2(1)
	Retrofitted from column DBH_CONVERTED_IND of table GRY_SED_CARD_1		
24	ESTABLISHMENT_YR	NULL	NUMBER(38)
	Retrofitted from column ESTABLISHMENT_YR of table GRY_SED_CARD_1		
25	PHOTO_70_MM_IND	NULL	NUMBER(38)
	Retrofitted from column PHOTO_70_MM_IND of table GRY_SED_CARD_1		
26	SELECTIVELY_LOGGED_IND	NULL	VARCHAR2(1)
	Retrofitted from column SELECTIVELY_LOGGED_IND of table GRY_SED_CARD_1		
27	GROWING_SEASON_YR	NULL	NUMBER(38)
	Retrofitted from column GROWING_SEASON_YR of table GRY_SED_CARD_1		

Table: GYS_SED_CARD_2*Description:*

This is a temporary table used to load the following main tables: GYS SAMPLE, GYS SAMPLE MEASUREMENT, GYS PLOT

Corresponds to a record in a Standard Edit Data (SEDATA)-format Card Type 2 input file.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAGING_AREA_ID Retrofitted from column STAGING_AREA_ID of table GRY_SED_CARD_2	NOT NULL	NUMBER(38)
* 2	LINE_NUMBER Retrofitted from column LINE_NUMBER of table GRY_SED_CARD_2	NOT NULL	NUMBER(38)
3	DB_KEY Retrofitted from column DB_KEY of table GRY_SED_CARD_2	NOT NULL	VARCHAR2(16)
4	PLOTS_IN_SAMPLE_CNT Retrofitted from column PLOTS_IN_SAMPLE_CNT of table GRY_SED_CARD_2	NULL	NUMBER(38)
5	SAMPLING_METHOD Retrofitted from column SAMPLING_METHOD of table GRY_SED_CARD_2	NULL	VARCHAR2(1)
6	SAMP_MIN_DBH Retrofitted from column SAMP_MIN_DBH of table GRY_SED_CARD_2	NULL	NUMBER(3,1)
7	BASAL_AREA_FACTOR_1 Retrofitted from column BASAL_AREA_FACTOR_1 of table GRY_SED_CARD_2	NULL	NUMBER(5,3)
8	MAIN_PLOT_RADIUS Retrofitted from column MAIN_PLOT_RADIUS of table GRY_SED_CARD_2	NULL	NUMBER(4,2)
9	MAIN_PLOT_AREA Retrofitted from column MAIN_PLOT_AREA of table GRY_SED_CARD_2	NULL	NUMBER(3,3)
10	PER_HECTARE_FACTOR_1 Retrofitted from column PER_HECTARE_FACTOR_1 of table GRY_SED_CARD_2	NULL	NUMBER(6,2)
11	DIAM_BREAK_PT Retrofitted from column DIAM_BREAK_PT of table GRY_SED_CARD_2	NULL	NUMBER(3,1)
12	BASAL_AREA_FACTOR_2 Retrofitted from column BASAL_AREA_FACTOR_2 of table GRY_SED_CARD_2	NULL	NUMBER(5,3)
13	SECOND_PLOT_RADIUS Retrofitted from column SECOND_PLOT_RADIUS of table GRY_SED_CARD_2	NULL	NUMBER(4,2)
14	SECOND_PLOT_AREA Retrofitted from column SECOND_PLOT_AREA of table GRY_SED_CARD_2	NULL	NUMBER(4,4)
15	PER_HECTARE_FACTOR_2 Retrofitted from column PER_HECTARE_FACTOR_2 of table GRY_SED_CARD_2	NULL	NUMBER(6,2)
16	THIRD_PLOT_RADIUS Retrofitted from column THIRD_PLOT_RADIUS of table GRY_SED_CARD_2	NULL	NUMBER(3,2)
17	HT_TAG_LIMIT Retrofitted from column HT_TAG_LIMIT of table GRY_SED_CARD_2	NULL	NUMBER(2,1)
18	SAMP_SLOPE_POSN Retrofitted from column SAMP_SLOPE_POSN of table GRY_SED_CARD_2	NULL	VARCHAR2(1)
19	SPACING_FACTOR_TYPE Retrofitted from column SPACING_FACTOR_TYPE of table GRY_SED_CARD_2	NULL	VARCHAR2(1)

Table: GYS_SED_CARD_3*Description:*

This is a temporary table used to load the following main tables: GYS SAMPLE MEASUREMENT, GYS LAYER SPECIES ASSESSMENT

Corresponds to a record in a Standard Edit Data (SEDATA)-format Card Type 3 input file.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAGING_AREA_ID Retrofitted from column STAGING_AREA_ID of table GRY_SED_CARD_3	NOT NULL	NUMBER(38)
* 2	LINE_NUMBER Retrofitted from column LINE_NUMBER of table GRY_SED_CARD_3	NOT NULL	NUMBER(38)
3	DB_KEY Retrofitted from column DB_KEY of table GRY_SED_CARD_3	NOT NULL	VARCHAR2(16)
4	LAYER Retrofitted from column LAYER of table GRY_SED_CARD_3	NULL	VARCHAR2(1)
5	LAYER_STRUCTURE Retrofitted from column LAYER_STRUCTURE of table GRY_SED_CARD_3	NULL	VARCHAR2(1)
6	LEADING_SPC Retrofitted from column LEADING_SPC of table GRY_SED_CARD_3	NULL	VARCHAR2(2)
7	LEADING_SPC_PCT Retrofitted from column LEADING_SPC_PCT of table GRY_SED_CARD_3	NULL	NUMBER(38)
8	SECOND_SPC Retrofitted from column SECOND_SPC of table GRY_SED_CARD_3	NULL	VARCHAR2(2)
9	CROWN_CLOSURE_GROUND_PCT Retrofitted from column CROWN_CLOSURE_GROUND_PCT of table GRY_SED_CARD_3	NULL	NUMBER(38)
10	CROWN_CLOSURE_AIR_PCT Retrofitted from column CROWN_CLOSURE_AIR_PCT of table GRY_SED_CARD_3	NULL	NUMBER(38)
11	SECOND_SPC_PCT Retrofitted from column SECOND_SPC_PCT of table GRY_SED_CARD_3	NULL	NUMBER(38)
12	LEADING_SPC_MEAN_TOTAL_AGE Retrofitted from column LEADING_SPC_MEAN_TOTAL_AGE of table GRY_SED_CARD_3	NULL	NUMBER(38)
13	AGE_RANGE_MIN Retrofitted from column AGE_RANGE_MIN of table GRY_SED_CARD_3	NULL	NUMBER(38)
14	AGE_RANGE_MAX Retrofitted from column AGE_RANGE_MAX of table GRY_SED_CARD_3	NULL	NUMBER(38)
15	LEADING_SPC_MEAN_HT Retrofitted from column LEADING_SPC_MEAN_HT of table GRY_SED_CARD_3	NULL	NUMBER(3,1)
16	DENSITY_FIELD_EST Retrofitted from column DENSITY_FIELD_EST of table GRY_SED_CARD_3	NULL	NUMBER(38)
17	STAND_HIST_COMP_DISTURB_TYPE Retrofitted from column STAND_HIST_COMP_DISTURB_TYPE of table GRY_SED_CARD_3	NULL	VARCHAR2(2)
18	STAND_HIST_COMP_DISTURB_YR Retrofitted from column STAND_HIST_COMP_DISTURB_YR of table GRY_SED_CARD_3	NULL	NUMBER(38)
19	STAND_HIST_PART_DISTURB_TYPE Retrofitted from column STAND_HIST_PART_DISTURB_TYPE of table GRY_SED_CARD_3	NULL	VARCHAR2(2)
20	STAND_HIST_PART_DISTURB_SPC Retrofitted from column STAND_HIST_PART_DISTURB_SPC of table GRY_SED_CARD_3	NULL	VARCHAR2(2)
21	STAND_HIST_PART_DISTURB_YR Retrofitted from column STAND_HIST_PART_DISTURB_YR of table GRY_SED_CARD_3	NULL	NUMBER(38)
22	STAND_HIST_PART_DISTURB_DEGREE Retrofitted from column STAND_HIST_PART_DISTURB_DEGREE of table GRY_SED_CARD_3	NULL	VARCHAR2(1)
23	SPECIAL_SITE Retrofitted from column SPECIAL_SITE of table GRY_SED_CARD_3	NULL	VARCHAR2(1)
24	LEADING_SPC_MEAN_BREAST_HT_AGE Retrofitted from column LEADING_SPC_MEAN_BREAST_HT_AGE of table GRY_SED_CARD_3	NULL	NUMBER(38)
25	IN_OUT_OF_PROV_IND Retrofitted from column IN_OUT_OF_PROV_IND of table GRY_SED_CARD_3	NULL	VARCHAR2(1)
26	AGENCY_TYPE Retrofitted from column AGENCY_TYPE of table GRY_SED_CARD_3	NULL	VARCHAR2(1)
27	LEADING_SPC_TOP_HT_CURVE	NULL	NUMBER(3,1)

Table: GYS_SED_CARD_3 (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
28	LEADING_SPC_SITE_INDEX_BHA_50	NULL	NUMBER(3,1)
	Retrofitted from column LEADING_SPC_SITE_INDEX_BHA_50 of table GRY_SED_CARD_3		

Table: GYS_SED_CARD_4*Description:*

This is a temporary table used to load the following main tables: GYS SAMPLE MEASUREMENT, GYS LAYER SPECIES ASSESSMENT, GYS TREE, GYS TREE ASSESSMENT

Corresponds to a record in a Standard Edit Data (SEDATA)-format Card Type 4 input file.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAGING_AREA_ID Retrofitted from column STAGING_AREA_ID of table GRY_SED_CARD_4	NOT NULL	NUMBER(38)
* 2	LINE_NUMBER Retrofitted from column LINE_NUMBER of table GRY_SED_CARD_4	NOT NULL	NUMBER(38)
3	DB_KEY Retrofitted from column DB_KEY of table GRY_SED_CARD_4	NOT NULL	VARCHAR2(16)
4	ROTTEN_BRANCH Retrofitted from column ROTTEN_BRANCH of table GRY_SED_CARD_4	NULL	NUMBER(38)
5	COMPILATION_LAYER Retrofitted from column COMPILATION_LAYER of table GRY_SED_CARD_4	NULL	VARCHAR2(1)
6	TREE_SPC Retrofitted from column TREE_SPC of table GRY_SED_CARD_4	NULL	VARCHAR2(2)
7	DIAM_AT_13M Retrofitted from column DIAM_AT_13M of table GRY_SED_CARD_4	NULL	NUMBER(4,1)
8	HT_FOR_VOLUME_CALCS Retrofitted from column HT_FOR_VOLUME_CALCS of table GRY_SED_CARD_4	NULL	NUMBER(3,1)
9	HT_SOURCE Retrofitted from column HT_SOURCE of table GRY_SED_CARD_4	NULL	VARCHAR2(1)
10	LAYER Retrofitted from column LAYER of table GRY_SED_CARD_4	NULL	VARCHAR2(1)
11	CROWN_CLASS Retrofitted from column CROWN_CLASS of table GRY_SED_CARD_4	NULL	NUMBER(38)
12	TREE_CLASS Retrofitted from column TREE_CLASS of table GRY_SED_CARD_4	NULL	NUMBER(38)
13	DEAD_STANDING_OR_DOWN Retrofitted from column DEAD_STANDING_OR_DOWN of table GRY_SED_CARD_4	NULL	VARCHAR2(1)
14	CONK Retrofitted from column CONK of table GRY_SED_CARD_4	NULL	NUMBER(38)
15	BLIND_CONK Retrofitted from column BLIND_CONK of table GRY_SED_CARD_4	NULL	NUMBER(38)
16	SCAR Retrofitted from column SCAR of table GRY_SED_CARD_4	NULL	NUMBER(38)
17	FORK_OR_CROOK Retrofitted from column FORK_OR_CROOK of table GRY_SED_CARD_4	NULL	NUMBER(38)
18	FROST_CRACK Retrofitted from column FROST_CRACK of table GRY_SED_CARD_4	NULL	NUMBER(38)
19	MISTLETOE Retrofitted from column MISTLETOE of table GRY_SED_CARD_4	NULL	NUMBER(38)
20	DEAD_OR_BROKEN_TOP Retrofitted from column DEAD_OR_BROKEN_TOP of table GRY_SED_CARD_4	NULL	NUMBER(38)
21	SITE_SECTOR_NO Retrofitted from column SITE_SECTOR_NO of table GRY_SED_CARD_4	NULL	VARCHAR2(1)
22	SPIRAL_GRAIN Retrofitted from column SPIRAL_GRAIN of table GRY_SED_CARD_4	NULL	NUMBER(38)
23	SWEEP Retrofitted from column SWEEP of table GRY_SED_CARD_4	NULL	NUMBER(38)
24	LEAN Retrofitted from column LEAN of table GRY_SED_CARD_4	NULL	NUMBER(38)
25	FIRST_LIVE_LIMB Retrofitted from column FIRST_LIVE_LIMB of table GRY_SED_CARD_4	NULL	NUMBER(38)
26	FIRST_STUB Retrofitted from column FIRST_STUB of table GRY_SED_CARD_4	NULL	NUMBER(38)
27	KNOTS_AT_FIRST_5M	NULL	NUMBER(38)

Table: GYS_SED_CARD_4 (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	Retrofitted from column KNOTS_AT_FIRST_5M of table GRY_SED_CARD_4		
28	KNOTS_AT_SECOND_5M	NULL	NUMBER(38)
	Retrofitted from column KNOTS_AT_SECOND_5M of table GRY_SED_CARD_4		
29	SUB_PLOT_TREE_IND	NULL	VARCHAR2(1)
	Retrofitted from column SUB_PLOT_TREE_IND of table GRY_SED_CARD_4		
30	DIAM_AT_137M	NULL	NUMBER(4,1)
	Retrofitted from column DIAM_AT_137M of table GRY_SED_CARD_4		
31	DAMAGE_AGENT_TYPE	NULL	VARCHAR2(3)
	Retrofitted from column DAMAGE_AGENT_TYPE of table GRY_SED_CARD_4		
32	DAMAGE_AGENT_SEVERITY	NULL	VARCHAR2(1)
	Retrofitted from column DAMAGE_AGENT_SEVERITY of table GRY_SED_CARD_4		
33	PLOT_NO	NULL	NUMBER(38)
	Retrofitted from column PLOT_NO of table GRY_SED_CARD_4		
34	TREE_NO	NULL	NUMBER(38)
	Retrofitted from column TREE_NO of table GRY_SED_CARD_4		
35	LIVE_CROWN_PCT	NULL	NUMBER(38)
	Retrofitted from column LIVE_CROWN_PCT of table GRY_SED_CARD_4		
36	NATURAL_OR_PLANTED	NULL	VARCHAR2(1)
	Retrofitted from column NATURAL_OR_PLANTED of table GRY_SED_CARD_4		
37	NEAR_TREE_NO	NULL	NUMBER(38)
	Retrofitted from column NEAR_TREE_NO of table GRY_SED_CARD_4		
38	SCAR_PROD_BASE	NULL	NUMBER(38)
	Retrofitted from column SCAR_PROD_BASE of table GRY_SED_CARD_4		
39	SCAR_PROD_MID	NULL	NUMBER(38)
	Retrofitted from column SCAR_PROD_MID of table GRY_SED_CARD_4		
40	SCAR_PROD_TOP	NULL	NUMBER(38)
	Retrofitted from column SCAR_PROD_TOP of table GRY_SED_CARD_4		
41	HT_TO_BREAK	NULL	NUMBER(38)
	Retrofitted from column HT_TO_BREAK of table GRY_SED_CARD_4		
42	MISSED_DROPPED_OR_FALLEN_IND	NULL	VARCHAR2(1)
	Retrofitted from column MISSED_DROPPED_OR_FALLEN_IND of table GRY_SED_CARD_4		
43	TAGGING_SECTOR_NO	NULL	NUMBER(38)
	Retrofitted from column TAGGING_SECTOR_NO of table GRY_SED_CARD_4		

Table: GYS_SED_CARD_5*Description:*

This is a temporary table used to load the following main tables: GYS TREE, GYS TREE ASSESSMENT
Corresponds to a record in a Standard Edit Data (SEDATA)-format Card Type 5 input file.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAGING_AREA_ID Retrofitted from column STAGING_AREA_ID of table GRY_SED_CARD_5	NOT NULL	NUMBER(38)
* 2	LINE_NUMBER Retrofitted from column LINE_NUMBER of table GRY_SED_CARD_5	NOT NULL	NUMBER(38)
3	DB_KEY Retrofitted from column DB_KEY of table GRY_SED_CARD_5	NOT NULL	VARCHAR2(16)
4	TOTAL_PCT Retrofitted from column TOTAL_PCT of table GRY_SED_CARD_5	NULL	NUMBER(38)
5	RADIAL_INCREMENT_10_YRS Retrofitted from column RADIAL_INCREMENT_10_YRS of table GRY_SED_CARD_5	NULL	NUMBER(38)
6	RADIAL_INCREMENT_20_YRS Retrofitted from column RADIAL_INCREMENT_20_YRS of table GRY_SED_CARD_5	NULL	NUMBER(38)
7	CROWN_CLASS Retrofitted from column CROWN_CLASS of table GRY_SED_CARD_5	NULL	NUMBER(38)
8	COMPILATION_AGE_IND Retrofitted from column COMPILATION_AGE_IND of table GRY_SED_CARD_5	NULL	VARCHAR2(1)
9	LAYER Retrofitted from column LAYER of table GRY_SED_CARD_5	NULL	VARCHAR2(1)
10	TREE_SPC Retrofitted from column TREE_SPC of table GRY_SED_CARD_5	NULL	VARCHAR2(2)
11	DIAM_AT_13M Retrofitted from column DIAM_AT_13M of table GRY_SED_CARD_5	NULL	NUMBER(4,1)
12	TREE_CLASS Retrofitted from column TREE_CLASS of table GRY_SED_CARD_5	NULL	NUMBER(38)
13	PLOT_NO Retrofitted from column PLOT_NO of table GRY_SED_CARD_5	NULL	NUMBER(38)
14	TREE_NO Retrofitted from column TREE_NO of table GRY_SED_CARD_5	NULL	NUMBER(38)
15	SUPPRESSION_IND Retrofitted from column SUPPRESSION_IND of table GRY_SED_CARD_5	NULL	VARCHAR2(1)
16	MEAS_HT Retrofitted from column MEAS_HT of table GRY_SED_CARD_5	NULL	NUMBER(3,1)
17	HT_OR_DIAM_IND Retrofitted from column HT_OR_DIAM_IND of table GRY_SED_CARD_5	NULL	VARCHAR2(1)
18	TOP_PCT Retrofitted from column TOP_PCT of table GRY_SED_CARD_5	NULL	NUMBER(38)
19	BOTTOM_PCT Retrofitted from column BOTTOM_PCT of table GRY_SED_CARD_5	NULL	NUMBER(38)
20	SLOPE_DIST Retrofitted from column SLOPE_DIST of table GRY_SED_CARD_5	NULL	NUMBER(3,1)
21	SLOPE_PCT Retrofitted from column SLOPE_PCT of table GRY_SED_CARD_5	NULL	NUMBER(38)
22	HORIZ_DIST Retrofitted from column HORIZ_DIST of table GRY_SED_CARD_5	NULL	NUMBER(3,1)
23	UNCORRECTED_HT Retrofitted from column UNCORRECTED_HT of table GRY_SED_CARD_5	NULL	NUMBER(3,1)
24	HT_CORRECTION Retrofitted from column HT_CORRECTION of table GRY_SED_CARD_5	NULL	NUMBER(2,1)
25	HT_MEAS_STATUS Retrofitted from column HT_MEAS_STATUS of table GRY_SED_CARD_5	NULL	VARCHAR2(1)
26	BORING_AGE Retrofitted from column BORING_AGE of table GRY_SED_CARD_5	NULL	NUMBER(38)
27	BORING_HT Retrofitted from column BORING_HT of table GRY_SED_CARD_5	NULL	NUMBER(2,1)

Table: GYS_SED_CARD_5 (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
28	AGE_CORRECTION Retrofitted from column AGE_CORRECTION of table GRY_SED_CARD_5	NULL	NUMBER(38)
29	PITH_IND Retrofitted from column PITH_IND of table GRY_SED_CARD_5	NULL	VARCHAR2(1)
30	TOTAL_AGE Retrofitted from column TOTAL_AGE of table GRY_SED_CARD_5	NULL	NUMBER(38)
31	OUT_OF_PLOT_IND Retrofitted from column OUT_OF_PLOT_IND of table GRY_SED_CARD_5	NULL	NUMBER(38)

Table: GYS_SED_CARD_6*Description:*

This is a temporary table used to load the following main tables: GYS PLOT, GYS TREE
 Corresponds to a record in a Standard Edit Data (SEDATA)-format Card Type 6 input file.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAGING_AREA_ID Retrofitted from column STAGING_AREA_ID of table GRY_SED_CARD_6	NOT NULL	NUMBER(38)
* 2	LINE_NUMBER Retrofitted from column LINE_NUMBER of table GRY_SED_CARD_6	NOT NULL	NUMBER(38)
3	DB_KEY Retrofitted from column DB_KEY of table GRY_SED_CARD_6	NOT NULL	VARCHAR2(16)
4	PLOT_NO Retrofitted from column PLOT_NO of table GRY_SED_CARD_6	NULL	NUMBER(38)
5	TREE_NO Retrofitted from column TREE_NO of table GRY_SED_CARD_6	NULL	NUMBER(38)
6	TREE_SPC Retrofitted from column TREE_SPC of table GRY_SED_CARD_6	NULL	VARCHAR2(2)
7	TREE_STEM_MAP_BEARING Retrofitted from column TREE_STEM_MAP_BEARING of table GRY_SED_CARD_6	NULL	NUMBER(38)
8	TREE_STEM_MAP_SLOPE_PCT Retrofitted from column TREE_STEM_MAP_SLOPE_PCT of table GRY_SED_CARD_6	NULL	NUMBER(38)
9	TREE_STEM_MAP_SLOPE_DIST Retrofitted from column TREE_STEM_MAP_SLOPE_DIST of table GRY_SED_CARD_6	NULL	NUMBER(4,2)
10	TREE_STEM_MAP_HORIZ_DIST Retrofitted from column TREE_STEM_MAP_HORIZ_DIST of table GRY_SED_CARD_6	NULL	NUMBER(4,2)
11	IN_GROWTH_DIST_TO_FIRST_TREE Retrofitted from column IN_GROWTH_DIST_TO_FIRST_TREE of table GRY_SED_CARD_6	NULL	NUMBER(3,2)
12	IN_GROWTH_FIRST_TREE_NO Retrofitted from column IN_GROWTH_FIRST_TREE_NO of table GRY_SED_CARD_6	NULL	NUMBER(38)
13	IN_GROWTH_DIST_TO_SECOND_TREE Retrofitted from column IN_GROWTH_DIST_TO_SECOND_TREE of table GRY_SED_CARD_6	NULL	NUMBER(3,2)
14	IN_GROWTH_SECOND_TREE_NO Retrofitted from column IN_GROWTH_SECOND_TREE_NO of table GRY_SED_CARD_6	NULL	NUMBER(38)
15	IN_GROWTH_DIST_TO_THIRD_TREE Retrofitted from column IN_GROWTH_DIST_TO_THIRD_TREE of table GRY_SED_CARD_6	NULL	NUMBER(3,2)
16	IN_GROWTH_THIRD_TREE_NO Retrofitted from column IN_GROWTH_THIRD_TREE_NO of table GRY_SED_CARD_6	NULL	NUMBER(38)
17	X_COORD Retrofitted from column X_COORD of table GRY_SED_CARD_6	NULL	NUMBER(4,2)
18	Y_COORD Retrofitted from column Y_COORD of table GRY_SED_CARD_6	NULL	NUMBER(4,2)
19	STEM_MAP_OFF_BRG_TO_PLT_CENTER Retrofitted from column STEM_MAP_OFF_BRG_TO_PLT_CENTER of table GRY_SED_CARD_6	NULL	NUMBER(38)
20	STEM_MAP_OFF_SLOPE_PCT Retrofitted from column STEM_MAP_OFF_SLOPE_PCT of table GRY_SED_CARD_6	NULL	NUMBER(38)
21	STEM_MAP_OFF_SLOPE_DIST Retrofitted from column STEM_MAP_OFF_SLOPE_DIST of table GRY_SED_CARD_6	NULL	NUMBER(3,2)

Table: GYS_SED_CARD_7*Description:*

This is a temporary table used to load the following main tables: GYS IMPERIAL DBH CLASS COUNT, GYS METRIC DBH CLASS COUNT

Corresponds to a record in a Standard Edit Data (SEDATA)-format Card Type 7 input file.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAGING_AREA_ID	NOT NULL	NUMBER(38)
	Retrofitted from column STAGING_AREA_ID of table GRY_SED_CARD_7		
* 2	LINE_NUMBER	NOT NULL	NUMBER(38)
	Retrofitted from column LINE_NUMBER of table GRY_SED_CARD_7		
3	DB_KEY	NOT NULL	VARCHAR2(16)
	Retrofitted from column DB_KEY of table GRY_SED_CARD_7		
4	PLOT_NO	NULL	NUMBER(38)
	Retrofitted from column PLOT_NO of table GRY_SED_CARD_7		
5	SPECIES	NULL	VARCHAR2(2)
	Retrofitted from column SPECIES of table GRY_SED_CARD_7		
6	IMPERIAL_TREE_COUNT_1	NULL	NUMBER(38)
	Retrofitted from column IMPERIAL_TREE_COUNT_1 of table GRY_SED_CARD_7		
7	IMPERIAL_TREE_COUNT_2	NULL	NUMBER(38)
	Retrofitted from column IMPERIAL_TREE_COUNT_2 of table GRY_SED_CARD_7		
8	IMPERIAL_TREE_COUNT_3	NULL	NUMBER(38)
	Retrofitted from column IMPERIAL_TREE_COUNT_3 of table GRY_SED_CARD_7		
9	METRIC_TREE_COUNT_0	NULL	NUMBER(38)
	Retrofitted from column METRIC_TREE_COUNT_0 of table GRY_SED_CARD_7		
10	METRIC_TREE_COUNT_1	NULL	NUMBER(38)
	Retrofitted from column METRIC_TREE_COUNT_1 of table GRY_SED_CARD_7		
11	METRIC_TREE_COUNT_2	NULL	NUMBER(38)
	Retrofitted from column METRIC_TREE_COUNT_2 of table GRY_SED_CARD_7		
12	METRIC_TREE_COUNT_3	NULL	NUMBER(38)
	Retrofitted from column METRIC_TREE_COUNT_3 of table GRY_SED_CARD_7		
13	METRIC_TREE_COUNT_4	NULL	NUMBER(38)
	Retrofitted from column METRIC_TREE_COUNT_4 of table GRY_SED_CARD_7		
14	METRIC_TREE_COUNT_5	NULL	NUMBER(38)
	Retrofitted from column METRIC_TREE_COUNT_5 of table GRY_SED_CARD_7		
15	METRIC_TREE_COUNT_6	NULL	NUMBER(38)
	Retrofitted from column METRIC_TREE_COUNT_6 of table GRY_SED_CARD_7		
16	METRIC_TREE_COUNT_7	NULL	NUMBER(38)
	Retrofitted from column METRIC_TREE_COUNT_7 of table GRY_SED_CARD_7		
17	METRIC_TREE_COUNT_8	NULL	NUMBER(38)
	Retrofitted from column METRIC_TREE_COUNT_8 of table GRY_SED_CARD_7		
18	METRIC_TREE_COUNT_9	NULL	NUMBER(38)
	Retrofitted from column METRIC_TREE_COUNT_9 of table GRY_SED_CARD_7		
19	METRIC_TREE_COUNT_10	NULL	NUMBER(38)
	Retrofitted from column METRIC_TREE_COUNT_10 of table GRY_SED_CARD_7		
20	METRIC_TREE_COUNT_11	NULL	NUMBER(38)
	Retrofitted from column METRIC_TREE_COUNT_11 of table GRY_SED_CARD_7		

Table: GYS_SED_CARD_8*Description:*

This is a temporary table used to load the following main tables: GYS SAMPLE MEASUREMENT, GYS DEAD TREE TALLY

Corresponds to a record in a Standard Edit Data (SEDATA)-format Card Type 8 input file.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAGING_AREA_ID Retrofitted from column STAGING_AREA_ID of table GRY_SED_CARD_8	NOT NULL	NUMBER(38)
* 2	LINE_NUMBER Retrofitted from column LINE_NUMBER of table GRY_SED_CARD_8	NOT NULL	NUMBER(38)
3	DB_KEY Retrofitted from column DB_KEY of table GRY_SED_CARD_8	NOT NULL	VARCHAR2(16)
4	PLOT_NO Retrofitted from column PLOT_NO of table GRY_SED_CARD_8	NULL	NUMBER(38)
5	SPECIES Retrofitted from column SPECIES of table GRY_SED_CARD_8	NULL	VARCHAR2(2)
6	TREE_COUNT_1 Retrofitted from column TREE_COUNT_1 of table GRY_SED_CARD_8	NULL	NUMBER(38)
7	TREE_COUNT_2 Retrofitted from column TREE_COUNT_2 of table GRY_SED_CARD_8	NULL	NUMBER(38)
8	TREE_COUNT_3 Retrofitted from column TREE_COUNT_3 of table GRY_SED_CARD_8	NULL	NUMBER(38)
9	TREE_COUNT_4 Retrofitted from column TREE_COUNT_4 of table GRY_SED_CARD_8	NULL	NUMBER(38)
10	TREE_COUNT_5 Retrofitted from column TREE_COUNT_5 of table GRY_SED_CARD_8	NULL	NUMBER(38)
11	TREE_COUNT_6 Retrofitted from column TREE_COUNT_6 of table GRY_SED_CARD_8	NULL	NUMBER(38)
12	TREE_COUNT_7 Retrofitted from column TREE_COUNT_7 of table GRY_SED_CARD_8	NULL	NUMBER(38)
13	TREE_COUNT_8 Retrofitted from column TREE_COUNT_8 of table GRY_SED_CARD_8	NULL	NUMBER(38)
14	TREE_COUNT_9 Retrofitted from column TREE_COUNT_9 of table GRY_SED_CARD_8	NULL	NUMBER(38)
15	TREE_COUNT_10 Retrofitted from column TREE_COUNT_10 of table GRY_SED_CARD_8	NULL	NUMBER(38)
16	TREE_COUNT_11 Retrofitted from column TREE_COUNT_11 of table GRY_SED_CARD_8	NULL	NUMBER(38)
17	DIAM_CLASS_VER_NO Retrofitted from column DIAM_CLASS_VER_NO of table GRY_SED_CARD_8	NULL	NUMBER(38)

Table: GYS_SED_CARD_9*Description:*

This is a temporary table used to load the following main tables: GYS TREE, GYS TREE ASSESSMENT
Corresponds to a record in a Standard Edit Data (SEDATA)-format Card Type 9 input file.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAGING_AREA_ID Retrofitted from column STAGING_AREA_ID of table GRY_SED_CARD_9	NOT NULL	NUMBER(38)
* 2	LINE_NUMBER Retrofitted from column LINE_NUMBER of table GRY_SED_CARD_9	NOT NULL	NUMBER(38)
3	DB_KEY Retrofitted from column DB_KEY of table GRY_SED_CARD_9	NOT NULL	VARCHAR2(16)
4	COMPILATION_LAYER Retrofitted from column COMPILATION_LAYER of table GRY_SED_CARD_9	NULL	VARCHAR2(1)
5	PLOT_NO Retrofitted from column PLOT_NO of table GRY_SED_CARD_9	NULL	NUMBER(38)
6	TREE_NO Retrofitted from column TREE_NO of table GRY_SED_CARD_9	NULL	NUMBER(38)
7	TREE_SPC Retrofitted from column TREE_SPC of table GRY_SED_CARD_9	NULL	VARCHAR2(2)
8	STUMP_DIAM Retrofitted from column STUMP_DIAM of table GRY_SED_CARD_9	NULL	NUMBER(4,1)
9	STUMP_HT Retrofitted from column STUMP_HT of table GRY_SED_CARD_9	NULL	NUMBER(3,1)
10	STUMP_HT_SOURCE Retrofitted from column STUMP_HT_SOURCE of table GRY_SED_CARD_9	NULL	VARCHAR2(1)
11	NEAR_TREE_NO Retrofitted from column NEAR_TREE_NO of table GRY_SED_CARD_9	NULL	NUMBER(38)
12	STUMP_NEW_OR_OLD Retrofitted from column STUMP_NEW_OR_OLD of table GRY_SED_CARD_9	NULL	VARCHAR2(1)
13	TAGGING_SECTOR_NO Retrofitted from column TAGGING_SECTOR_NO of table GRY_SED_CARD_9	NULL	NUMBER(38)

Table: GYS_SED_CARD_A*Description:*

This is a temporary table used to load the following main tables: GYS ACCESS NOTE
 Corresponds to a record in a Standard Edit Data (SEDATA)-format Card Type A input file.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAGING_AREA_ID Retrofitted from column STAGING_AREA_ID of table GRY_SED_CARD_A	NOT NULL	NUMBER(38)
* 2	LINE_NUMBER Retrofitted from column LINE_NUMBER of table GRY_SED_CARD_A	NOT NULL	NUMBER(38)
3	DB_KEY Retrofitted from column DB_KEY of table GRY_SED_CARD_A	NOT NULL	VARCHAR2(16)
4	SEQ_NO Retrofitted from column SEQ_NO of table GRY_SED_CARD_A	NULL	NUMBER(2)
5	ODOM_READING Retrofitted from column ODOM_READING of table GRY_SED_CARD_A	NULL	NUMBER(8,1)
6	ODOM_INCREMENT Retrofitted from column ODOM_INCREMENT of table GRY_SED_CARD_A	NULL	NUMBER(8,1)
7	REMARKS Retrofitted from column REMARKS of table GRY_SED_CARD_A	NULL	VARCHAR2(60)

Table: GYS_SED_PASS_2_MESSAGE*Description:*

This is a temporary table for storing Pass 2 Validation error messages for the Standard Edit Data (SEDATA) input data. These error messages are retrieved by the client application.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ID	NOT NULL	NUMBER(10,0)
2	STAGING_AREA_ID	NOT NULL	NUMBER(38)
	Identifies the STAGING AREA ID of the sample measurement to which this error message applies. The STAGING AREA ID is assigned from a sequence to each sample measurement loaded into the SED temporary "staging area" tables.		
3	TIMESTAMP	NOT NULL	DATE
	Date/time the record was created.		
4	DB_KEY	NOT NULL	VARCHAR2(16)
	The 14-character business key of this sample measurement, in Standard Edit Data (SEDATA) format e.g. "76030 021G0". People who work with SEDATA-format text files are familiar with this representation. Region - 2 characters; Compartment - 3 characters; Compartment Letter - 1 character; Installation - 3 characters; Sample Number - 3 characters; Sample Type - 1 character; Measurement Number - 1 character		
5	MESSAGE	NULL	VARCHAR2(255)
	An error message generated during Pass 2 validation of the Standard Edit Data (SEDATA) data.		

Table: GYS_SED_SAMPLE*Description:*

A SED SAMPLE is a SAMPLE MEASUREMENT that has been "downloaded" from the main tables to the client application for editing.

The data in this table is temporary. When the SAMPLE MEASUREMENT is "uploaded" back into the main tables, the corresponding data will be deleted from this table.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	WORK_AREA_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(38)
2	GYS_ID Identifies the GYS SAMPLE ID of the GYS SAMPLE MEASUREMENT that was "downloaded" to this record.	NOT NULL	NUMBER(38)
3	MEASUREMENT_NUMBER Identifies the MEAS NO of the GYS SAMPLE MEASUREMENT ID that was "downloaded" to this record.	NOT NULL	NUMBER(38)
4	BUSINESS_KEY The 14-character business key of this sample measurement, in Standard Edit Data (SEDATA) format e.g. "76030 021G0". People who work with SEDATA-format text files are familiar with this representation. Region - 2 characters; Compartment - 3 characters; Compartment Letter - 1 character; Installation - 3 characters; Sample Number - 3 characters; Sample Type - 1 character; Measurement Number - 1 character	NOT NULL	VARCHAR2(16)
5	LAST_MODIFIED_BY ID of the user who last updated the record.	NOT NULL	VARCHAR2(50)
6	LAST_MODIFIED_ON Date/time the record was last updated.	NOT NULL	DATE

Unique Constraints:

GYS_SS_GYS_SS_BUSKEY_UK
BUSINESS_KEY
GYS_SS_GYS_SS_MEAS_UK
GYS_ID
MEASUREMENT_NUMBER

Table: GYS_SED_SAMPLE_DATA*Description:*

A SED SAMPLE DATA is a record within a SAMPLE MEASUREMENT that has been "downloaded" from the main tables to the client application for editing. The record is a long string having the same format as a line in a Standard Edit Data (SEDATA) text file.

The data in this table is temporary. When the SAMPLE MEASUREMENT is "uploaded" back into the main tables, the corresponding data will be deleted from this table.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	WORK_AREA_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(38)
* 2	LINE_NUMBER Line number of this line in the sample measurement.	NOT NULL	NUMBER(38)
3	LINE A record within a sample measurement that has been "downloaded" from the main tables to the client application for editing. The record is a long string having the same format as a line in a Standard Edit Data (SEDATA) text file.	NOT NULL	VARCHAR2(325)

Foreign Keys:

GYS_SSD_GYS_SS_FK
WORK_AREA_ID = GYS_SED_SAMPLE.WORK_AREA_ID

Indexes:

GYS_SSD_GYS_SS_FK_I
WORK_AREA_ID

Table: GYS_SED_SAMPLE_LOG*Description:*

A SED SAMPLE LOG is a line from the validation log file for a SAMPLE MEASUREMENT that has been "downloaded" from the main tables to the client application for editing. The log file data is kept in this table so that the user does not need to re-run the time-consuming validation whenever they return to editing a "downloaded" SAMPLE MEASUREMENT. The data in this table is temporary. When the SAMPLE MEASUREMENT is "uploaded" back into the main tables, the corresponding data will be deleted from this table.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	WORK_AREA_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(38)
* 2	LINE_NUMBER Line number of this line in the validation log file.	NOT NULL	NUMBER(38)
3	LINE A line from the validation log file for a sample measurement that has been "downloaded" from the main tables to the client application for editing.	NOT NULL	VARCHAR2(500)

Foreign Keys:

GYS_SSL_GYS_SS_FK
WORK_AREA_ID = GYS_SED_SAMPLE.WORK_AREA_ID

Indexes:

GYS_SSL_GYS_SS_FK_I
WORK_AREA_ID

Table: GYS_SILVCUTRL_TREATMENT*Description:*

A TREATMENT is a silvicultural treatment done to the SAMPLE for treatment response study. e.g. thinning, fertilization, pruning or other.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SILVCUTRL_TREATMENT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
2	SILVCUTRL_TREATMENT_CODE A TREATMENT TYPE CODE is a code that describes a treatment done to the SAMPLE. Values: T=Thinning, F=Fertilization, P=Pruning, S=Spacing, O=Other.	NULL	VARCHAR2(10)
3	SAMPLE_MEASUREMENT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
4	SEQ_NO The order of the treatment recorded in the sample measurement.	NOT NULL	NUMBER(3)
5	TREATMENT_DATE The date of the treatment. <i>HH Sample:112 sa_treatd1</i>	NULL	DATE
6	ENTRY_TIMESTAMP Date/time the record was created.	NOT NULL	DATE
7	ENTRY_USERID ID of the user who created the record.	NOT NULL	VARCHAR2(30)
8	UPDATE_TIMESTAMP Date/time the record was last updated.	NULL	DATE
9	UPDATE_USERID ID of the user who last updated the record.	NULL	VARCHAR2(30)

Foreign Keys:

GYS_ST_GYS_SITC_FK
SILVCUTRL_TREATMENT_CODE = GYS_SILVCUTRL_TREATMENT_CODE.SILVCUTRL_TREATMENT_CODE
GYS_ST_GYS_SM_FK
SAMPLE_MEASUREMENT_ID = GYS_SAMPLE_MEASUREMENT.SAMPLE_MEASUREMENT_ID

Indexes:

GYS_ST_GYS_SITC_FK_I
SILVCUTRL_TREATMENT_CODE
GYS_ST_GYS_SM_FK_I
SAMPLE_MEASUREMENT_ID

Table: GYS_SILVCUTRL_TREATMENT_CODE*Description:*

A TREATMENT TYPE CODE is a code that describes a treatment done to the SAMPLE. Values: T=Thinning, F=Fertilization, P=Pruning, S=Spacing, O=Other.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SILVCUTRL_TREATMENT_CODE A TREATMENT TYPE CODE is a code that describes a treatment done to the SAMPLE. Values: T=Thinning, F=Fertilization, P=Pruning, S=Spacing, O=Other.	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_SLOPE_POSITION_CODE*Description:*

A SLOPE POSITION CODE is a code which identifies the sample position within a water catchment profile. Examples: U = upper, T = toe.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SLOPE_POSITION_CODE	NOT NULL	VARCHAR2(10)
	A code which identifies the sample position within a water catchment profile. Examples: U = upper, T = toe.		
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
	A description of this code.		
3	EFFECTIVE_DATE	NOT NULL	DATE
	Date/time the code is effective.		
4	EXPIRY_DATE	NOT NULL	DATE
	Date/time the code expires.		
5	UPDATE_TIMESTAMP	NOT NULL	DATE
	The date and time of the last update to this entry.		

Table: GYS_SPACING_FACTOR_TYPE_CODE*Description:*

A SPACING FACTOR TYPE CODE is a code that describes the type of spacing factor that applies to the SAMPLE.

Examples: T = triangular, S = square

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SPACING_FACTOR_TYPE_CODE A code that describes the type of spacing factor that applies to the sample. Examples: T = triangular, S = square	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_SPECIAL_CRUISE_SUBCODE*Description:*

A SPECIAL CRUISE SUBCODE is a supplemental code for Special Cruise number used to denote former Public Sustained Yield Units that have been subdivided into smaller subunit surveys. Examples: 1, 2, 3.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SPECIAL_CRUISE_SUBCODE A SPECIAL CRUISE SUBCODE is a supplemental code for Special Cruise number used to denote former Public Sustained Yield Units that have been subdivided into smaller subunit surveys. Examples: 1, 2, 3.	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_SPECIAL_SAMPLE_CODE*Description:*

A SPECIAL SAMPLE CODE is a code indicating a special purpose sample category e.g. C = control.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SPECIAL_SAMPLE_CODE A code indicating a special purpose sample category e.g. C = control.	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_SPECIAL_SITE_CODE*Description:*

SPECIAL SITE CODE is a code that is used when age and height of stand do not reflect site productivity. Examples: G = Good site, M = Medium site, P = Poor site, L = Low site.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SPECIAL_SITE_CODE SPECIAL SITE CODE is a code that is used when age and height of stand do not reflect site productivity. Examples: G = Good site, M = Medium site, P = Poor site, L = Low site.	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_SPECIES_CODE*Description:*

A SPECIES CODE is a code which describes the genus or genus and species for a TREE. Examples: H = Hemlock (Tsuga), Hm = Mountain hemlock (T. mertensiana)

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SPECIES_CODE A code which describes the genus or genus and species for a tree. Examples: H = Hemlock (Tsuga), Hm = Mountain hemlock (T. mertensiana)	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_STAND_HIST_DISTURBANCE_CD*Description:*

A STAND HIST DISTURBANCE CD is a code that describes disturbance at a sample level as complete (sample destroyed) or partial. Examples: C = complete disturbance, P = partial disturbance.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAND_HIST_DISTURBANCE_CD A code that describes disturbance at a sample level as complete (sample destroyed) or partial. Examples: C = complete disturbance, P = partial disturbance.	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_STAND_ORIGIN_CODE*Description:*

A STAND ORIGIN CODE is a code indicating the way in which a stand became established e.g. C = Coppice, F = Fill Planted.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAND_ORIGIN_CODE A code indicating the way in which a stand became established e.g. C = Coppice, F = Fill Planted.	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_STAND_STRUCTURE_CODE*Description:*

A STAND STRUCTURE CODE is a code that describes the physical arrangement or pattern of organization of the stand. Stand structure is described and classified according to recognizable age and height differences. Examples: 1 = single layer, simple stands; 3 = multi-layered stand

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAND_STRUCTURE_CODE A code that describes the physical arrangement or pattern of organization of the stand. Stand structure is described and classified according to recognizable age and height differences. Examples: 1 = single layer, simple stands; 3 = multi-layered stand	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_STUMP_HEIGHT_SOURCE_CODE*Description:*

A STUMP HEIGHT SOURCE CODE is a code that describes the source of a stump height as measured or estimated.
Values: M = Measured, E = Estimated.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STUMP_HEIGHT_SOURCE_CODE A STUMP HEIGHT SOURCE CODE is a code that describes the source of a stump height as measured or estimated. Values: M = Measured, E = Estimated.	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_STUMP_STATUS_CODE*Description:*

A STUMP STATUS CODE is a code recorded at establishment of a SAMPLE within a selectively logged stand that describes the age of a stump. The stump may be described as new, that is having been cut in the last ten years, or old. Values: 1 = New, 2 = Old.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STUMP_STATUS_CODE A STUMP STATUS CODE is a code recorded at establishment of a SAMPLE within a selectively logged stand that describes the age of a stump. The stump may be described as new, that is having been cut in the last ten years, or old. Values: 1 = New, 2 = Old.	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_SUBPLOT**Description:**

A circular SUBPLOT is established around the centroid of a given PLOT to get some representation of commercial TREES smaller than the PLOT diameter or height tagging limit. The SUBPLOT area is density dependent as the objective is to obtain a SAMPLE of approximately 20 trees. The minimum acceptable size is 0.002 ha and the maximum is the PLOT size.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SUBPLOT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
2	PLOT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
3	SAMPLE_MEASUREMENT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
4	SUBPLOT_RADIUS Small tree subplot radius in metres for a fixed radius plot. Must be consistent with subplot area and subplot per hectare factor. Trees less than the Break Point are tallied in the subplot. <i>HH Plot:70 pl_sub_rad</i> <i>SED 2:57 Second Plot Radius (m)</i>	NULL	NUMBER(5,2)
5	SUBPLOT_AREA Secondary (subplot) area in hectares rounded to the nearest 0.0001. Must be consistent with subplot radius and subplot per hectare factor. <i>HH Plot:75 pl_subarea</i> <i>SED 2:61 Second Plot Area (ha)</i>	NULL	NUMBER(6,4)
6	SUBPLOT_BASAL_AREA_FACTOR The diameter of a tree at breast height (1.3 metres) and its distance from the plot centre will determine whether the tree is in the variable radius (prism) subplot. The basal area factor is a conversion factor that allows you to extrapolate the to represent the stem area (metres squared) per hectare. Subplots are established to sample the small trees that are less than the plot tagging limit. <i>HH Plot:81 pl_sub_ba</i> <i>SED 2:52 Basal Area Factor No 2</i>	NULL	NUMBER(6,3)
7	SUBPLOT_PER_HECTARE_FACTOR Per hectare factor applied to trees tallied in the subplot to allow conversion to density per hectare. <i>SED 2:65 Per Hectare Factor No 2</i>	NULL	NUMBER(6,2)
8	THIRD_PLOT_RADIUS Third plot radius. For Intensive Forestry (sample type I) the third plot is used for density of the small tree layer. <i>SED 2:72 Third Plot Radius (m)</i>	NULL	NUMBER(4,2)
9	ENTRY_TIMESTAMP Date/time the record was created.	NOT NULL	DATE
10	ENTRY_USERID ID of the user who created the record.	NOT NULL	VARCHAR2(30)
11	UPDATE_TIMESTAMP Date/time the record was last updated.	NULL	DATE
12	UPDATE_USERID ID of the user who last updated the record.	NULL	VARCHAR2(30)

Foreign Keys:

GYS_SP_GYS_P_FK
PLOT_ID = GYS_PLOT.PLOT_ID
GYS_SP_GYS_SM_FK
SAMPLE_MEASUREMENT_ID = GYS_SAMPLE_MEASUREMENT.SAMPLE_MEASUREMENT_ID

Indexes:

GYS_SP_GYS_P_FK_I
PLOT_ID
GYS_SP_GYS_SM_FK_I
SAMPLE_MEASUREMENT_ID

Table: GYS_TREE*Description:*

A TREE is an identified tree used in the PLOT for measurements and the determination of characteristics.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TREE_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
2	SPECIES_CODE A code which describes the genus or genus and species for a tree. Examples: H = Hemlock (Tsuga), Hm = Mountain hemlock (T. mertensiana)	NULL	VARCHAR2(10)
3	PLOT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
4	CENTER_SECTOR_TREE This attribute annotates trees that are within the 0.01 hectare (5.64 m radius) circular sector which is centred on plot centre. The centre sector is used to select the top height tree as per the MoF Site Index-Biogeoclimatic Ecological Classification (SIBEC) program.	NULL	VARCHAR2(1)
5	TREE_NO Tree number. In permanent sample plots an blue plastic tag with tree number is attached to each tree. For temporary sample plots trees are given a number at measure but are not permanently tagged as the plot will not be re-visited. Tree numbers are unique to a plot within a sample. <i>SED 4:19 Tree Number</i> <i>HH tree:19 tr_tree_no</i>	NOT NULL	NUMBER(4)
6	SITE_SECTOR_NO Site Sector Number. The number of the Site Sector in which the tree is located. In order to aid in selection of top height and site trees the plot may be divided into 0.01 ha site sectors. <i>SED 4:46 Site Sector A-Z</i> <i>the A to Z values need to be converted back to numeric values</i> <i>HH tree:120 tr_secsite</i>	NULL	NUMBER(2)
7	NEAR_TREE_NO Tree number of nearest tagged tree which will allow reconstruction of the tagging sequence to replace missing tree tags. <i>SED 4:67 In-Growth - Near Tree Number</i> <i>SED 9:67 Stump Near Tree Number</i> <i>HH tree:25 tr_near</i>	NULL	NUMBER(4)
8	TAGGING_SECTOR_NO To simplify tree tagging and replacement of missing tree tags, the sample plot is divided into tagging sectors. In a circular plot the sectors are shaped like pie slices and in a rectangular plot they are rectangular strips. A tree is physically identified at remeasurement by its tree number and presence within a tagging sector. Tree tags face in the opposite direction from sector to adjacent sector. <i>SED 4:77 Sector</i> <i>SED 9:77 Sector</i> <i>HH tree:23 sector</i>	NULL	NUMBER(2)
9	OUT_OF_PLOT_IND Out of plot indicator. Denotes a tree outside the plot that has been bored for age. In a plot where trees are big enough to tag but still quite small in diameter a tree outside the plot might be bored for age so as not to damage any of the plot trees. Values: (Y)es - tree is out of plot or (N)o - tree is in plot. <i>SED 5:78 Out of Plot</i> <i>HH tree:84 tr_in_plot</i>	NULL	VARCHAR2(1)
10	TREE_STEM_MAP_BEARING Stem map bearing from compass location (usually plot centre) to tree. <i>SED 6:26 Bearing in Degrees (0-360)</i> <i>HH tree:42 tr_bear</i>	NULL	NUMBER(3)
11	TREE_STEM_MAP_SLOPE_PERCENT Slope percent reading for distance measurement from compass position to tree for stem mapping. <i>SED 6:29 Slope Percent</i> <i>HH tree:45 tr_slope</i>	NULL	NUMBER(3)
12	TREE_STEM_MAP_SLOPE_DISTANCE Slope distance from compass location to tree for stem mapping. <i>SED 6:32 Slope Distance (m)</i>	NULL	NUMBER(5,2)

Table: GYS_TREE (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	<i>HH tree:48 tr_dist</i>		
13	TREE_STEM_MAP_HORIZ_DISTANCE The corrected horizontal distance from plot centre to the tree. <i>SED 6:36 Horizontal Distance (m)</i>	NULL	NUMBER(5,2)
	<i>HH tree:53 tr_tr1dist</i>		
14	IN_GROWTH_DIST_TO_FIRST_TREE Distance from the ingrowth tree to first tree. An ingrowth tree is a small tree which has grown large enough to be above break point at this measurement. In order to place it on a stem map of the plot, distances are measured to each of three trees which represent the points of a triangle placed around the ingrowth tree. <i>SED 6:40 In-Growth - Distance to First Tree (m)</i>	NULL	NUMBER(3,2)
	<i>HH tree:53 tr_tr1dist</i>		
15	IN_GROWTH_FIRST_TREE_NO Ingrowth first tree number. This is the tree number of the first tree to which a distance is measured from the ingrowth tree. <i>SED 6:43 In-Growth - First Tree Number</i>	NULL	NUMBER(4)
	<i>HH tree:53 tr_tr1_no</i>		
16	IN_GROWTH_DIST_TO_SECOND_TREE Distance from the ingrowth tree to second tree. An ingrowth tree is a small tree which has grown large enough to be above break point at this measurement. In order to place it on a stem map of the plot, distances are measured to each of three trees which represent the points of a triangle placed around the ingrowth tree. <i>SED 6:46 In-Growth - Distance to Second Tree (m)</i>	NULL	NUMBER(3,2)
	<i>HH tree:66 tr_tr2dist</i>		
17	IN_GROWTH_SECOND_TREE_NO Ingrowth second tree number. This is the tree number of the second tree to which a distance is measured from the ingrowth tree. <i>SED 6:49 In-Growth - Second Tree Number</i>	NULL	NUMBER(4)
	<i>HH tree:62 tr_tr2_no</i>		
18	IN_GROWTH_DIST_TO_THIRD_TREE Distance from the ingrowth tree to third tree. An ingrowth tree is a small tree which has grown large enough to be above break point at this measurement. In order to place it on a stem map of the plot, distances are measured to each of three trees which represent the points of a triangle placed around the ingrowth tree. <i>SED 6:52 In-Growth - Distance to Third Tree (m)</i>	NULL	NUMBER(3,2)
	<i>HH tree:75 tr_tr3dist</i>		
19	IN_GROWTH_THIRD_TREE_NO Ingrowth third tree number. This is the tree number of the third tree to which a distance is measured from the ingrowth tree. <i>SED 6:55 In-Growth - Third Tree Number</i>	NULL	NUMBER(4)
	<i>HH tree:71 tr_tr3_no</i>		
20	X_COORDINATE Stem map x-coordinate position of a tree based on bearing and distance from plot centre. Plot radius is added to make all coordinates positive. (eg. plot centre coordinates are {16.06,16.06} for a 16.06 radius plot, not {0.0, 0.0} NOTE: For 'R' samples use the sub-plot radius to make all coordinates positive as there is no plot radius for 'R' samples if sub-plot > 7.0 m. If sub-plot radius < or = 7.0 m to make coordinates positive. <i>SED 6:58 X Coordinate</i>	NULL	NUMBER(4,2)
	<i>HH tree:71 tr_tr3_no</i>		
21	Y_COORDINATE Stem map y-coordinate position of a tree based on bearing and distance from plot centre. Plot radius is added to make all coordinates positive. [eg. plot centre coordinates are {16.06,16.06} for a 16.06 radius plot, not {0.0, 0.0} NOTE: For 'R' samples, use the sub-plot radius to make all coordinates positive as there is no plot radius for 'R' samples if sub-plot radius > 7.0 m. If sub-plot radius < or = 7.0 m, use 7.0 m to make coordinates positive. <i>SED 6:62 Y Coordinate</i>	NULL	NUMBER(4,2)
	<i>HH tree:71 tr_tr3_no</i>		
22	NATURAL_OR_PLANTED Natural or Planted. Identifies if a tree has regenerated naturally or has been planted. Blank assumes it has regenerated naturally. The value 'P' for planted is valid for sample type T (treated) only.	NULL	VARCHAR2(1)

Table: GYS_TREE (cont'd)*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	<i>SED 4:66 Nat / Planted</i> <i>HH tree:32 tr_nat</i>		
23	ENTRY_TIMESTAMP Date/time the record was created.	NOT NULL	DATE
24	ENTRY_USERID ID of the user who created the record.	NOT NULL	VARCHAR2(30)
25	UPDATE_TIMESTAMP Date/time the record was last updated.	NULL	DATE
26	UPDATE_USERID ID of the user who last updated the record.	NULL	VARCHAR2(30)

Foreign Keys:

GYS_TREE_GYS_P_FK
PLOT_ID = GYS_PLOT.PLOT_ID
GYS_TREE_GYS_SC_FK
SPECIES_CODE = GYS_SPECIES_CODE.SPECIES_CODE

Indexes:

GYS_TREE_GYS_P_FK_I
PLOT_ID
GYS_TREE_GYS_SC_FK_I
SPECIES_CODE

Table: GYS_TREE_CLASS_CODE*Description:*

A TREE CLASS CODE describes the tree as live or dead, as being a veteran tree or not, and is a general indicator of recoverable fiber. Examples: 5 = Veteran; 6 = Dead, Cut Down

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TREE_CLASS_CODE Tree class describes the tree as live or dead, as being a veteran tree or not, and is a general indicator of recoverable fiber. Examples: 5 = Veteran; 6 = Dead, Cut Down	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_TREE_DAMAGE_OCCURRENCE*Description:*

A TREE DAMAGE OCCURRENCE is an occurrence of damage to a tree within a sample measurement.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 10	TREE_MEASUREMENT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
* 20	TREE_DAMAGE_OCCURRENCE_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
30	DAMAGE_AGENT_SEVERITY_CODE A single character code that describes the degree or nature of damage to a tree due to insect, disease or injury. Examples: RA - Red attack, mountain pine beetle, L = Low damage.	NOT NULL	VARCHAR2(10)
40	DAMAGE_AGENT_TYPE_CODE A code that describes the type of species that has damaged a tree. Examples: A = Animal Damage, C = Cone and Seed Insects.	NOT NULL	VARCHAR2(10)
60	DAMAGE_ORDER The order in which the tree damage is reported for a tree measurement. Where order 1 would represent the primary tree damage and 2 would represent the secondary damage. The business area can only collect two types of tree damage with their current data collection tools however the business area has reported collecting an addition three damage types manually.	NOT NULL	NUMBER(3)
70	DURATION_OF_ATTACKS Records the number of years of attacks when damage agent type code is Major crook, Minor crook, forking, or staghead	NULL	NUMBER(3)
80	HAWKSWORTH_CLASS Hawksworth Class is a six class dwarf mistletoe rating system for a tree. On a tree or stand basis, light infection is a rating of 1 to 2; moderate is 3 to 4; and severe is 5 to 6. For a stand, the rating is calculated as the average rating of all infected trees. Only identified when damage agent severity code is Major or Minor Stem Swell.	NULL	VARCHAR2(3)
90	SEVERITY_PERCENT Severity percent. The percentage of trees in the sample measurement that have been affected by the damage occurrence. IE: If a sample measurement has half its trees damaged by a mountain pine beetle (insect), then damage agent type code = 'I', damage species code = 'BM', and severity level percent = '50'.	NULL	NUMBER(3)
100	ENTRY_TIMESTAMP Date/time the record was created.	NOT NULL	DATE
110	ENTRY_USERID ID of the user who created the record.	NOT NULL	VARCHAR2(30)
120	UPDATE_TIMESTAMP Date/time the record was last updated.	NOT NULL	DATE
130	UPDATE_USERID ID of the user who last updated the record.	NOT NULL	VARCHAR2(30)

Foreign Keys:

GYS_TDO_GYS_DASCC_FK
DAMAGE_AGENT_SEVERITY_CODE =
GYS_DAMAGE_AGENT_SEVERITY_CODE.DAMAGE_AGENT_SEVERITY_CODE

GYS_TDO_GYS_DATC_FK
DAMAGE_AGENT_TYPE_CODE = GYS_DAMAGE_AGENT_TYPE_CODE.DAMAGE_AGENT_TYPE_CODE

GYS_TDO_GYS_TM_FK
TREE_MEASUREMENT_ID = GYS_TREE_MEASUREMENT.TREE_MEASUREMENT_ID

Indexes:

GYS_TDO_GYS_DASCC_FK_I
DAMAGE_AGENT_SEVERITY_CODE

GYS_TDO_GYS_DATC_FK_I
DAMAGE_AGENT_TYPE_CODE

GYS_TDO_GYS_TM_FK_I
TREE_MEASUREMENT_ID

Table: GYS_TREE_MEASUREMENT**Description:**

A TREE ASSESSMENT is an evaluation of a given TREE during a given SAMPLE MEASUREMENT.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TREE_MEASUREMENT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
2	COMPILATION_LAYER_CODE A COMPILATION LAYER CODE is a code that assigns each tree to a layer for compilation. This was used in the now defunct sample compiler software for the VAX computer. Examples: V = Veteran layer, L = Logged, 2 = Layer 2	NULL	VARCHAR2(10)
3	CROWN_CLASS_CODE Crown Class is a designation of trees in a forest with crowns of similar development and occupying similar position in the canopy. Crown classification applies to groups of trees. It refers to the position of the crown of the tree relative to all other trees within the general plot area, not the whole stand. Examples: 1 = Dominant, 4 = Suppressed	NULL	VARCHAR2(10)
4	HEIGHT_SOURCE_CODE A code that represents the height source for a tree height loaded to oracle from the Standard Edit Data (SEDATA) format. Examples: M = Measured, E = Estimated, C = Calculated	NULL	VARCHAR2(10)
5	HT_DIAMETER_CURVE_USE_CODE A code that denotes that the measured tree height is not to be used for height diameter curve calculation or gives tree height check status. Examples: W = Warning, V = Verified.	NULL	VARCHAR2(10)
6	HT_MEASUREMENT_STATUS_CODE A code that describes the status of a tree which is measured for height. Codes describe whether the tree has been measured as a a top height tree, a site height tree, as both types, or as measured without either designation. Examples: H = "Selected for height measurement and measured as a top height tree", M = "Measured for height but not selected (designated) as either a top height or site height tree."	NULL	VARCHAR2(10)
7	LAYER_ID A unique key, generated from a sequence.	NULL	NUMBER(10)
8	MISSED_DROPPED_FALLEN_CD A code that describes the condition of the tree as missed, dropped or fallen. Examples: M, D, F.	NULL	VARCHAR2(10)
9	PITH_CODE A code that describes the condition of the pith on boring a tree for age. The pith was hit and was intact or the pith was hit and found to be rotten. Examples: P = Pith Obtained, R = Rotten	NULL	VARCHAR2(10)
10	STUMP_HEIGHT_SOURCE_CODE A STUMP HEIGHT SOURCE CODE is a code that describes the source of a stump height as measured or estimated. Values: M = Measured, E = Estimated.	NULL	VARCHAR2(10)
11	STUMP_STATUS_CODE A STUMP STATUS CODE is a code recorded at establishment of a SAMPLE within a selectively logged stand that describes the age of a stump. The stump may be described as new, that is having been cut in the last ten years, or old. Values: 1 = New, 2 = Old.	NULL	VARCHAR2(10)
12	TREE_CLASS_CODE Tree class describes the tree as live or dead, as being a veteran tree or not, and is a general indicator of recoverable fiber. Examples: 5 = Veteran; 6 = Dead, Cut Down	NULL	VARCHAR2(10)
13	SAMPLE_MEASUREMENT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
14	TREE_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
16	SITE_INDEX An expression of the forest site quality based on tree age and height. Site index is determined using tree age, tree height, and site index equations. These equations are based on reference age 50 years at Breast Height Age.	NULL	NUMBER(3,1)
17	DIAM_AT_13M Diameter of the tree measured at 1.3m (breast height). SED 4:25 DBH (@ 1.3 m) HH tr_meas:30 tm_dbh1_3	NULL	NUMBER(4,1)
18	CURVE_OR_EST_HT An indicator whether height is estimated in the field or calculated based upon diameter SED 4:30 Height (m)	NULL	NUMBER(4,1)

Table: GYS_TREE_MEASUREMENT (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	<i>HH tr_meas:40 tm_height</i> <i>HH: this is the estimated height of the tree. An "E" needs to be stored in the HT SOURCE field to record that this height was an estimate.</i>		
19	DEAD_STANDING_OR_DOWN This attribute indicates whether the dead tree is standing or down on the ground. <i>SED 4:37 Dead Standing / Down</i> <i>HH tr_meas:68 tm_cndtn</i>	NULL	VARCHAR2(1)
20	SPIRAL_GRAIN Quality remark for spiral grain. A non-zero value indicates the presence of spiral in one or more tree segments. <i>SED 4:47 Quality - Spiral Grain</i> <i>HH tr_meas:61 tm_spiral</i>	NULL	NUMBER(1)
21	SWEEP Quality remark for sweep which denotes class of bowing of the tree stem. <i>SED 4:48 Quality - Sweep</i> <i>HH tr_meas:62 tm_sweep</i>	NULL	NUMBER(1)
22	LEAN Quality remark for lean. <i>SED 4:49 Quality - Lean</i> <i>HH tr_meas:63 tm_lean</i>	NULL	NUMBER(1)
23	FIRST_LIVE_LIMB Quality remark for first live limb. <i>SED 4:50 Quality - First Live Limb</i> <i>HH tr_meas:64 tm_limb</i>	NULL	NUMBER(1)
24	FIRST_STUB Quality remark for first stub. <i>SED 4:51 Quality - First Stub</i> <i>HH tr_meas:65 tm_stub</i>	NULL	NUMBER(1)
25	KNOTS_AT_FIRST_5M Quality remark for knots at first 5 metres. <i>SED 4:52 Quality - Knots at 1st 5m</i> <i>HH tr_meas:66 tm_1knot5m</i>	NULL	NUMBER(1)
26	KNOTS_AT_SECOND_5M Quality remark for knots at second 5 metres. <i>SED 4:53 Quality - Knots at 2nd 5m</i> <i>HH tr_meas:67 tm_2knot5m</i>	NULL	NUMBER(1)
27	SUB_PLOT_TREE_IND Indicates the tree is in the sub-plot; 'S' or blank. <i>SED 4:54 Sub-Plot Tree?</i>	NULL	VARCHAR2(1)
28	DIAM_AT_137M Diameter of the tree measured at 1.37 metres (Imperial Diameter at Breast Height (DBH)) above the germination point. <i>SED 4:55 Diameter (@ 1.37)</i> <i>HH tr_meas:35 tm_dia1_37</i>	NULL	NUMBER(4,1)
29	LIVE_CROWN_PERCENT Live crown expressed as a percent of the total tree length. <i>SED 4:59 Live Crown Percent</i> <i>HH tr_meas:46 tm_lc_len</i>	NULL	NUMBER(3)
30	SCAR_PROD_BASE Pathological remark Scar Base for a Productivity sample; sample type 'P'. <i>SED 4:71 Scar (Prod) - Base</i> <i>HH tr_meas:90 tm_s_base</i>	NULL	NUMBER(1)
31	SCAR_PROD_MID Pathological remark Scar Mid for a Productivity sample; sample type 'P'. <i>SED 4:72 Scar (Prod) - Mid</i> <i>HH tr_meas:91 tm_s_mid</i>	NULL	NUMBER(1)

Table: GYS_TREE_MEASUREMENT (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
32	SCAR_PROD_TOP Pathological remark Scar Top for a Productivity sample; sample type 'P'. <i>SED 4:73 Scar (Prod) - Top</i> <i>HH tr_meas:92 tm_s_top</i>	NULL	NUMBER(1)
33	HT_TO_BREAK Is the measured or estimated height in metres to the broken top of the tree. <i>SED 4:74 Height to Break</i> <i>HH tr_meas:162 tm_ht_brk</i>	NULL	NUMBER(2)
34	SUPPRESSION_IND An indicator of whether radial growth suppression (inhibition of radial growth) is evident in the age core. If the tree is suppressed the age and duration of the suppression as well as the length of age core affected by suppression is recorded to assess the extent of the suppression. Suppressed trees are not suitable as site trees as they may not have age to height relations that represent site potential. Valid values are (Y)es, (N)o, (P)ossible. <i>SED 5:29 Suppression</i> <i>HH tr_meas:205 tm_suppres</i>	NULL	VARCHAR2(1)
35	MEAS_HT Measured height in metres for a tree. <i>SED 5:30 Height (m)</i> <i>HH tr_meas:94 tmsheight</i>	NULL	NUMBER(4,1)
36	TOP_PERCENT This is the clinometer percentage measurement to the tip of the tree. To measure tree height with a clinometer the total angle between the tip and base of the tree, as seen from the observer's eye, and the horizontal distance from the observer's eye to the tree is used to calculate the tree height based upon trigonometric principles. <i>SED 5:37 Top Percent</i> <i>HH tr_meas:119 tms_top</i>	NULL	NUMBER(3)
37	BOTTOM_PERCENT Bottom percent for clinometer height measurement. <i>SED 5:40 Bottom Percent</i> <i>This field has a plus or minus sign as the first character.</i> <i>HH tr_meas:50 tm_botsign</i> <i>HH tr_meas:122 tms_bot</i>	NULL	NUMBER(3)
38	TOTAL_PERCENT Total Percent a sum of the top and bottom percent <i>SED 5:43 Total Percent</i>	NULL	NUMBER(3)
39	SLOPE_DISTANCE Slope Distance (distance from clinometer to tree not corrected for slope) <i>SED 5:46 Slope Distance (m)</i> <i>HH tr_meas:125 tms_slpdis</i>	NULL	NUMBER(4,1)
40	SLOPE_PERCENT Slope Percent. The gradient in percent for the site location from the clinometer to the tree. <i>SED 5:49 Slope Percent</i> <i>HH tr_meas:129 tms_slope</i>	NULL	NUMBER(3)
41	HORIZ_DISTANCE Horizontal Distance (distance from clinometer to tree corrected for slope). <i>SED 5:51 Horizontal Distance (m)</i>	NULL	NUMBER(4,1)
42	UNCORRECTED_HT Uncorrected Height (does not include the constant tag height used for the bottom percent measurement) <i>SED 5:54 Uncorrected Height</i>	NULL	NUMBER(3,1)
43	HT_CORRECTION Height Correction. <i>SED 5:57 Height Correction</i> <i>HH tr_meas:132 tms_htcorr</i>	NULL	NUMBER(2,1)
44	BORING_AGE The counted age of the increment core taken at breast height (1.3m). <i>SED 5:60 Breast Height (Boring Age)</i>	NULL	NUMBER(3)

Table: GYS_TREE_MEASUREMENT (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
45	BORING_HT <i>HH tr_meas:100 tm_age13m</i> Boring height is the height that the increment core was taken which in usually metric breast height (1.3m). <i>SED 5:63 Boring Height</i>	NULL	NUMBER(2,1)
46	AGE_CORRECTION <i>HH tr_meas:103 tmsboreht</i> Will correct breast height age to total age. <i>SED 5:65 Age Correction</i>	NULL	NUMBER(2)
47	TOTAL_AGE Total measured and corrected age for the tree. <i>SED 5:68 Total Age</i>	NULL	NUMBER(3)
48	NEW_AGE The NEW AGE attribute is used only if a "re-measured" tree is bored for age. The attribute may be the same as or different from BORING AGE for the given measurement. The essential difference is that NEW AGE is the measured age at re-measurement of a re-measured tree while BORING AGE is the extended age from its measured age at establishment.	NULL	NUMBER(3)
49	COMPILATION_AGE_IND Compilation Age Indicator. Valid values 'A' or blank. Indicates that a tree has a boring age which, if the tree is of leading species, is to be used in calculating mean breast height age and mean total age for the measurement. <i>SED 5:71 Compilation Age</i>	NULL	VARCHAR2(1)
50	RADIAL_INCREMENT_5_YRS <i>HH tr_meas:110 tmscompage</i> The radial measurement (mm) of the first 5 years of growth.	NULL	NUMBER(3)
51	RADIAL_INCREMENT_10_YRS <i>HH tr_meas:206 tm_radinc5</i> The radial measurement (mm) of the first 10 years of growth. <i>SED 5:72 Radial Increment - Inc 1 (mm)</i>	NULL	NUMBER(3)
52	RADIAL_INCREMENT_20_YRS <i>HH tr_meas:112 tm_radinc1</i> The radial measurement (mm) of the first 20 years of growth. <i>SED 5:75 Radial Increment - Inc 2 (mm)</i>	NULL	NUMBER(3)
53	STUMP_DIAM <i>HH tr_meas:115 tm_radinc2</i> The stem diameter of a tree measured at the top of the stump. If a tree was cut and removed, and a diameter (@ 1.3 m Diameter at Breast Height (DBH)) was not taken immediately prior to the cutting, a diameter is taken of the stump, allowing a regressed diameter at 1.3 m DBH to be determined. <i>SED 9:25 Stump Diameter (cm)</i>	NULL	NUMBER(4,1)
54	STUMP_HT <i>HH tree:33 tr_dia</i> The height to the top of the stump from the high side ground. This is where the stump diameter is measured. <i>SED 9:30 Stump Height (m)</i>	NULL	NUMBER(3,1)
55	TREE_TAG_OK_IND <i>HH tree_38 tr_height</i> An indicator of whether the tree tag attached to the tree at establishment measurement was found to be present during this current measurement. This annotates retagged trees to in case there are remeasurement anomalies. Valid values are (Y)es , (N)o or blank meaning no value recorded.	NULL	VARCHAR2(1)
56	SPECIES_CHANGE_IND <i>HH tr_meas:28 tm_tag_ok</i> An indicator (yes or no) of whether the tree species was changed during the current measurement. This annotates changes to species when previous measurements are in error. Valid values are (Y)es, (N)o and blank meaning no value recorded.	NULL	VARCHAR2(1)
57	HT_TO_LIVE_CROWN <i>HH tr_meas:29 tm_spc_chg</i> The direct entry of the vertical distance from the tree base to the lowest portion of the continuous live crown or bole. This allows one to relate the crown (branches with foliage) length to the overall tree height.	NULL	NUMBER(4,1)

Table: GYS_TREE_MEASUREMENT (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
58	<i>HH tr_meas:70 tm_ht_crwn</i> HT_TO_FIRST_LIVE_BRANCH Height to First Live Branch.	NULL	NUMBER(4,1)
59	<i>HH tr_meas:74 tm_ht_brch</i> REMARKS Remarks for the tree at this measurement.	NULL	VARCHAR2(20)
60	<i>HH tr_meas:142 tm_memo</i> SUPPRESSION_LEN Suppressed Length (mm). Explanation of suppression: High stand density may cause inhibition of individual tree radial growth and this will be evidenced in their age core. If the tree is suppressed the age and duration of the suppression as well as the length of age core affected by suppression is recorded to assess the extent of the suppression. Suppressed trees are not suitable as site trees as they may not have age to height relations that represent site potential.	NULL	NUMBER(3)
61	<i>HH tr_meas:209 tm_sup_len</i> SUPPRESSION_AGE Suppressed Age (years). Explanation of suppression: High stand density may cause inhibition of individual tree radial growth and this will be evidenced in their age core. If the tree is suppressed the age and duration of the suppression as well as the length of age core affected by suppression is recorded to assess the extent of the suppression. Suppressed trees are not suitable as site trees as they may not have age to height relations that represent site potential.	NULL	NUMBER(3)
62	<i>HH tr_meas:212 tm_sup_age</i> SUPPRESSION_CORE_LEN Suppression - Core Length (mm). Explanation of suppression: High stand density may cause inhibition of individual tree radial growth and this will be evidenced in their age core. If the tree is suppressed the age and duration of the suppression as well as the length of age core affected by suppression is recorded to assess the extent of the suppression. Suppressed trees are not suitable as site trees as they may not have age to height relations that represent site potential.	NULL	NUMBER(3)
63	<i>HH tr_meas:215 tm_cor_len</i> SUPPRESSION_CORE_TOTAL_AGE Suppression - Core Total Age (years). Explanation of suppression: High stand density may cause inhibition of individual tree radial growth and this will be evidenced in their age core. If the tree is suppressed the age and duration of the suppression as well as the length of age core affected by suppression is recorded to assess the extent of the suppression. Suppressed trees are not suitable as site trees as they may not have age to height relations that represent site potential.	NULL	NUMBER(3)
64	<i>HH tr_meas:218 tm_cor_agt</i> SUPPRESSION_SUPP_10_YRS Suppression - Suppressed 10 Years (mm). Explanation of suppression: High stand density may cause inhibition of individual tree radial growth and this will be evidenced in their age core. If the tree is suppressed the age and duration of the suppression as well as the length of age core affected by suppression is recorded to assess the extent of the suppression. Suppressed trees are not suitable as site trees as they may not have age to height relations that represent site potential.	NULL	NUMBER(3)
65	<i>HH tr_meas:221 tm_sup_10</i> SUPPRESSION_REL_10_YRS Suppression - Released 10 years (mm). Explanation of suppression: High stand density may cause inhibition of individual tree radial growth and this will be evidenced in their age core. If the tree is suppressed the age and duration of the suppression as well as the length of age core affected by suppression is recorded to assess the extent of the suppression. Suppressed trees are not suitable as site trees as they may not have age to height relations that represent site potential.	NULL	NUMBER(3)
66	<i>HH tr_meas:224 tm_rel_10</i> MEAS_HT_TO_BASE_OF_LIVE_CROWN The calculated vertical distance from the tree base to the lowest portion of the continuous live crown or	NULL	NUMBER(4,1)

Table: GYS_TREE_MEASUREMENT (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	bole. This is based upon clinometer readings and distances. This allows one to relate the crown (branches with foliage) length to the overall tree height. <i>HH tr_meas:227 tm_lc_htbs</i>		
67	HT_TO_BASE_OF_LIVE_CR_MEAS_IND Indicates whether Height to Base of Live Crown is (M)easured or (E)stimated. <i>HH tr_meas:231 tm_lc_meas</i>	NULL	VARCHAR2(1)
68	SLOPE_PCT_TO_BASE_OF_LIVE_CR Clinometer Slope Percent to Base of Live Crown. To measure tree height with a clinometer the total angle between the tip and base of the tree, as seen from the observer's eye, and the horizontal distance from the observer's eye to the tree is used to calculate the tree height based upon trigonometric principles. <i>HH tr_meas:232 tm_lc_pcbs</i>	NULL	NUMBER(3)
69	SLOPE_PCT_TO_BOTTOM_OF_TREE Clinometer Slope Percent to Bottom of Tree when measuring height to base of live crown. To measure tree height with a clinometer the total angle between the tip and base of the tree, as seen from the observer's eye, and the horizontal distance from the observer's eye to the tree is used to calculate the tree height based upon trigonometric principles. <i>HH tr_meas:235 tm_lc_pcbt</i>	NULL	NUMBER(3)
70	SLOPE_DIST_MEAS_HT_TO_LIVE_CR Slope Distance from clinometer to tree when measuring height to base of live crown. To measure tree height with a clinometer the total angle between the tip and base of the tree, as seen from the observer's eye, and the horizontal distance from the observer's eye to the tree is used to calculate the tree height based upon trigonometric principles. <i>HH tr_meas:238 tm_lc_dssl</i>	NULL	NUMBER(4,1)
71	SLOPE_PCT_MEAS_HT_TO_LIVE_CR Clinometer Slope Percent (for slope distance) from clinometer to tree when measuring height to base of live crown. To measure tree height with a clinometer the total angle between the tip and base of the tree, as seen from the observer's eye, and the horizontal distance from the observer's eye to the tree is used to calculate the tree height based upon trigonometric principles. <i>HH tr_meas:242 tm_lc_pcsf</i>	NULL	NUMBER(3)
72	HT_CORR_MEAS_TO_LIVE_CR Height Correction when measuring to base of the live crown. <i>HH tr_meas:245 tm_lc_corr</i>	NULL	NUMBER(4,2)
73	SIGN_OF_BOT_SLOPE_PCT_HT_TO_LC Sign (+/-) of Bottom Slope Percent when measuring height to base of live crown. <i>HH tr_meas:249 tm_lc_sgnb</i>	NULL	VARCHAR2(1)
74	DEAD_TREE_NO_CERTAINTY Dead Tree Number Certainty Code. How certain is the field crew member that he has determined the original tree number for the tree. Values 1 to 3. <i>HH tr_meas:252 tm_dtnocrf</i>	NULL	NUMBER(1)
75	DEAD_TREE_SPECIES_CERTAINTY Dead Tree Species Certainty Code. How certain is the field crew member that he has determined the correct species for the tree. Values 1 to 3. <i>HH tr_meas:253 tm_dtsprct</i>	NULL	NUMBER(1)
76	DEAD_TREE_WILDLIFE_APPEARANCE Dead Tree Wildlife Appearance Code. Values 1 to 9. <i>HH tr_meas:254 tm_dtwlfr</i>	NULL	NUMBER(1)
77	DEAD_TREE_POSN_OF_DOWN_TREE Position of a dead tree that is (fallen) down . The tree is either (S)upported or is lying on the (G)round. <i>HH tr_meas:255 tm_dtdnps</i>	NULL	VARCHAR2(1)
78	TREE_SUITABLE_FOR_HT Is Tree Suitable for Height measurement Code from handheld input format. This is the initial user evaluation of the suitability of a tree and any later user suitability updates. It DOES NOT reflect the tree status when the tree is involved in the top height selection and status update processes. Values are; (N)ot suitable, (C)ould be suitable, (V)ery difficult to measure, (E)asy to measure, (Y)es suitable for height, (F)lagged for height measurement. <i>HH tr_meas:256 tm_suitht</i>	NULL	VARCHAR2(1)
79	VERT_DISTANCE_MEAS_REQD_IND	NULL	VARCHAR2(1)

Table: GYS_TREE_MEASUREMENT (cont'd)**Columns:**

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	Is a Vertical Distance Measurement Required. (Y)es or (N)o. <i>HH tr_meas:257 tm_vd_meas</i>		
80	HT_TO_LEANING_TIP Height to Leaning Tip of tree. Height of tip of tree above a point on the ground vertically below the tip. <i>HH tr_meas:258 tmsvertdis</i>	NULL	NUMBER(4,1)
81	LEANING_TREE_BEARING Leaning Tree Bearing. The bearing of lean for a leaning tree. <i>HH tr_meas:262 tms_vdbear</i>	NULL	NUMBER(3)
82	DISTANCE_TO_PT_OF_GERM Distance to Point of Germination when evaluating vertical distance. <i>HH tr_meas:265 tms_vddpog</i>	NULL	NUMBER(4,1)
83	SLOPE_PERCENT_TO_PT_OF_GERM Slope Percent to Point of Germination when evaluating vertical distance. <i>HH tr_meas:269 tms_vdspog</i>	NULL	NUMBER(3)
84	SIGN_OF_SLOPE_PERCENT_LEANING Sign (+/-) of Leaning Tree Slope Percent when evaluating vertical distance; default to '-'. <i>HH tr_meas:272 tm_vdssign</i>	NULL	VARCHAR2(1)
85	AGE_CORE_TAKEN_IND An indicator of whether radial growth suppression (inhibition of radial growth) is evident in the age core. If the tree is suppressed the age and duration of the suppression as well as the length of age core affected by suppression is recorded to assess the extent of the suppression. Suppressed trees are not suitable as site trees as they may not have age to height relations that represent site potential. Valid values are (Y)es, (N)o, (P)ossible.	NULL	VARCHAR2(1)
86	ENTRY_TIMESTAMP Date/time the record was created.	NOT NULL	DATE
87	ENTRY_USERID ID of the user who created the record.	NOT NULL	VARCHAR2(30)
88	UPDATE_TIMESTAMP Date/time the record was last updated.	NOT NULL	DATE
89	UPDATE_USERID ID of the user who last updated the record.	NOT NULL	VARCHAR2(30)

Foreign Keys:

GYS_TM_GYS_CCC_FK
 CROWN_CLASS_CODE = GYS_CROWN_CLASS_CODE.CROWN_CLASS_CODE
 GYS_TM_GYS_CLC_FK
 COMPILATION_LAYER_CODE = GYS_COMPILATION_LAYER_CODE.COMPILATION_LAYER_CODE
 GYS_TM_GYS_HDCUC_FK
 HT_DIAMETER_CURVE_USE_CODE =
 GYS_HT_DIAMETER_CURVE_USE_CODE.HT_DIAMETER_CURVE_USE_CODE
 GYS_TM_GYS_HMSC_FK
 HT_MEASUREMENT_STATUS_CODE =
 GYS_HT_MEASUREMENT_STATUS_CODE.HT_MEASUREMENT_STATUS_CODE
 GYS_TM_GYS_HSC_FK
 HEIGHT_SOURCE_CODE = GYS_HEIGHT_SOURCE_CODE.HEIGHT_SOURCE_CODE
 GYS_TM_GYS_L_FK
 LAYER_ID = GYS_LAYER.LAYER_ID
 GYS_TM_GYS_MDFC_FK
 MISSED_DROPPED_FALLEN_CD = GYS_MISSED_DROPPED_FALLEN_CD.MISSED_DROPPED_FALLEN_CD
 GYS_TM_GYS_PC_FK
 PITH_CODE = GYS_PITH_CODE.PITH_CODE
 GYS_TM_GYS_SHSC_FK
 STUMP_HEIGHT_SOURCE_CODE = GYS_STUMP_HEIGHT_SOURCE_CODE.STUMP_HEIGHT_SOURCE_CODE
 GYS_TM_GYS_SM_FK
 SAMPLE_MEASUREMENT_ID = GYS_SAMPLE_MEASUREMENT.SAMPLE_MEASUREMENT_ID
 GYS_TM_GYS_STUMP_FK

Table: GYS_TREE_MEASUREMENT (cont'd)*Foreign Keys:*

STUMP_STATUS_CODE = GYS_STUMP_STATUS_CODE.STUMP_STATUS_CODE
GYS_TM_GYS_TCC_FK
TREE_CLASS_CODE = GYS_TREE_CLASS_CODE.TREE_CLASS_CODE
GYS_TM_GYS_TRC_FK
GYS_TM_GYS_TREE_FK
TREE_ID = GYS_TREE.TREE_ID

Indexes:

GYS_TM_GYS_CCC_FK_I
CROWN_CLASS_CODE
GYS_TM_GYS_CLC_FK_I
COMPILATION_LAYER_CODE
GYS_TM_GYS_HDCUC_FK_I
HT_DIAMETER_CURVE_USE_CODE
GYS_TM_GYS_HMSC_FK_I
HT_MEASUREMENT_STATUS_CODE
GYS_TM_GYS_HSC_FK_I
HEIGHT_SOURCE_CODE
GYS_TM_GYS_L_FK_I
LAYER_ID
GYS_TM_GYS_MDFC_FK_I
MISSED_DROPPED_FALLEN_CD
GYS_TM_GYS_PC_FK_I
PITH_CODE
GYS_TM_GYS_SHSC_FK_I
STUMP_HEIGHT_SOURCE_CODE
GYS_TM_GYS_SM_FK_I
SAMPLE_MEASUREMENT_ID
GYS_TM_GYS_STUMP_FK_I
STUMP_STATUS_CODE
GYS_TM_GYS_TCC_FK_I
TREE_CLASS_CODE
GYS_TM_GYS_TRC_FK_I
GYS_TM_GYS_TREE_FK_I
TREE_ID

Table: GYS_TREE_MEASUREMENT_REMARKS*Description:*

A tree measurement can have up to three tree remarks that indicate some characteristic or check about the tree. ie. Alive, major lean, Species check, Height check.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
2	TREE_MEASUREMENT_ID A unique key, generated from a sequence.	NOT NULL	NUMBER(10)
3	TREE_REMARK_CODE A code that describes the characteristics of a tree. Examples: A = Alive, Y = Dying, L = Major Lean.	NOT NULL	VARCHAR2(3)
4	ENTRY_TIMESTAMP Date/time the record was created.	NOT NULL	DATE
5	ENTRY_USERID ID of the user who created the record.	NOT NULL	VARCHAR2(30)
6	UPDATE_TIMESTAMP Date/time the record was last updated.	NULL	DATE
7	UPDATE_USERID ID of the user who last updated the record.	NULL	VARCHAR2(30)

Unique Constraints:

GYS_TMR_GYS_TMR_UK
 TREE_REMARK_CODE
 TREE_MEASUREMENT_ID

Foreign Keys:

GYS_TMR_GYS_TM_FK
 TREE_MEASUREMENT_ID = GYS_TREE_MEASUREMENT.TREE_MEASUREMENT_ID
 GYS_TMR_GYS_TRC_FK
 TREE_REMARK_CODE = GYS_TREE_REMARK_CODE.TREE_REMARK_CODE

Indexes:

GYS_TMR_GYS_TM_FK_I
 TREE_MEASUREMENT_ID
 GYS_TMR_GYS_TRC_FK_I
 TREE_REMARK_CODE

Table: GYS_TREE_REMARK_CODE*Description:*

A TREE REMARK CODE is a code that describes the characteristic of a tree. Examples: A =Alive, Y=Dying, L=Major Lean.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TREE_REMARK_CODE	NOT NULL	VARCHAR2(3)
	A code that describes the characteristics of a tree. Examples: A = Alive, Y = Dying, L = Major Lean.		
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
	A description of this code.		
3	EFFECTIVE_DATE	NOT NULL	DATE
	Date/time the code is effective.		
4	EXPIRY_DATE	NOT NULL	DATE
	Date/time the code expires.		
5	UPDATE_TIMESTAMP	NOT NULL	DATE
	The date and time of the last update to this entry.		

Table: GYS_TREE_THIRD_CODE*Description:*

A TREE THIRD CODE is a code which denotes one or more thirds of the stem. Examples: 1 = lower third, 2 = middle third, 4 = lower and middle third.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TREE_THIRD_CODE A code which denotes one or more thirds of the stem. Examples: 1 = lower third, 2 = middle third, 4 = lower and middle third.	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: GYS_VALIDATION_LEVEL_CODE*Description:*

A VALIDATION LEVEL CODE indicates the level of validation applied against a SAMPLE MEASUREMENT prior to its loading. Values are: 0, 1, 2, or NULL, indicating the "Pass Level" of validation that was applied. If NULL then the SAMPLE MEASUREMENT was loaded without any validation.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	VALIDATION_LEVEL_CODE Indicates the level of Validation applied against a sample prior to its loading. Values are: 0, 1, 2, or NULL, indicating the "Pass Level" of validation that was applied. If NULL then the sample was loaded bypassing all validation.	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A description of this code.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
4	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: HORIZONTAL_DATUM_CODE*Description:*

A mathematical approximation of the earth's shape. One of: NAD83, NAD27.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HORIZONTAL_DATUM_CODE A mathematical approximation of the earth's shape. One of: NAD83, NAD27.	NOT NULL	VARCHAR2(10)
2	DESCRIPTION The long description of the code suitable for display	NOT NULL	VARCHAR2(240)
3	EFFECTIVE_DATE The date the code becomes effective	NOT NULL	DATE
4	EXPIRY_DATE The date the code is not longer valid to be used but retained for referential integrity	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last changed	NOT NULL	DATE

Notes:

Sourced from Ministry of Forests (MOF) - CODE LIST as a full set of codes. All codes in MOF are corporate codes as long as they come from CODE LIST and are a full set. If it is a partial set of the main code list for any business area then they are created as a individual code table and prefixed with the application acronym.

Part of Ministry of Forests (MOF) client model for relationships see data model container ""ABR""

Source replication THE schema to idwprod1 WHSE_CORP ----> copied to CORP schemas

Table: ORG_UNIT*Columns:*

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ORG_UNIT_NO	NOT NULL	NUMBER(10)

Table: RCL_AREA_VALIDN_CODES*Description:*

The list of valid combinations of Region, Compartment and Compartment Letter.

These identify areal units by which the forest inventory was traditionally summarized. Also included is the mapping to the larger, broadly climatic in nature, Forest Inventory Zone (FIZ).

The Region, Compartment and Compartment Letter combination also serves as three of the six compound identifiers of the business key of a sample as used by the Growth and Yield Section, Inventory Branch.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	RCL_AREA_VALIDN_SKEY Unique surrogate key identifier for a RCL Area Validation Code entry.	NOT NULL	NUMBER(7)
2	INV_REGION_NUM An Inventory Branch designated region of BC for numbering samples.	NOT NULL	NUMBER(2)
3	COMPT_NUM A geographic subdivision of (Inventory) Region.	NOT NULL	NUMBER(3)
4	COMPT_LTR A subdivision of provincial inventory reference compartments in regions 1, 3, 5, 6, 7, 9, 10, 11, 56.	NULL	VARCHAR2(1)
5	FIZ_CD A geographic area of BC approximating broad climatic regimes. Forest Inventory Zone Code.	NOT NULL	VARCHAR2(1)
6	EFFECTIVE_DATE Date/time the code is effective.	NOT NULL	DATE
7	EXPIRY_DATE Date/time the code expires.	NOT NULL	DATE
8	UPDATE_TIMESTAMP The date and time of the last update to this entry.	NOT NULL	DATE

Table: TSA_NUMBER_CODE*Description:*

The Timber Supply Area identifier.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TSA_NUMBER_CODE The unique identifier for the Timber Supply Area.	NOT NULL	VARCHAR2(2)
2	DESCRIPTION The full description of the Timber Supply Area.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the value is available for use.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the value is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the value was last modified.	NOT NULL	DATE

Notes:

Sourced from Ministry of Forests (MOF) - CODE LIST as a full set of codes. All codes in MOF are corporate codes as long as they come from CODE LIST and are a full set. If it is a partial set of the main code list for any business area then they are created as a individual code table and prefixed with the application acronym.

Part of Ministry of Forests (MOF) client model for relationships see data model container "" FTA_WHSE"".

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Table: TSB_NUMBER_CODE*Description:*

The number and name of the Timber Supply Blocks within the province. Must be defined in relation to an existing Timber Supply Area.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TSB_NUMBER_CODE The unique identifier for the Timber Supply Bock.	NOT NULL	VARCHAR2(3)
2	DESCRIPTION The long description of the code suitable for display.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date the code is not longer valid to be used but retained for referential integrity.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last changed.	NOT NULL	DATE

Notes:

Sourced from Ministry of Forests (MOF) - CODE LIST as a full set of codes. All codes in MOF are corporate codes as long as they come from CODE LIST and are a full set. If it is a partial set of the main code list for any buisness area then they are created as a individual code table and prefixed with the application acronym.

Part of Ministry of Forests (MOF) client model for relationships see data model container ""RESULTS_WHSE"".

Source replication THE schema to idwprod1 WHSE_CORP ----> copied to CORP schemas