

Table and Column Definitions Report

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Parameters

Workarea:	GLOBAL SHARED WORKAREA
Container:	HBS
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: ACK_MASK*Description:*

Contains the default values for the different parts of an account control key (ACK). These are identified by a code (which is also used as a code lookup) which represents commonly used ACKs. The defaults are used as an edit mask when the code is used.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ACK_MASK_ACODE	NOT NULL	VARCHAR2(3)
A three character code that will identify all, or part, of an account control key. This allows users to enter only three characters instead of the entire account control key. This code will not be in CODE_LIST_TABLE.			

Table: ACTION_TYPE_CODE*Description:*

Describes a type of action being applied to an application object (i.e. insert, update, delete)

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ACTION_TYPE_CODE A code used to describe the action being applied to an object for audit purposes e.g Upd - update Del - delete Ins - insert etc	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A text description of a code used to identify a type of action that was applied to an object for audit purposes	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: ANOMALY_ASSESSMENT_CONTROL*Description:*

Defines the parameters used for executing the Anomaly Assessment batch processes

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SCALE_CONTROL_TYPE_CODE	NOT NULL	VARCHAR2(1)
	A code used to identify the type of a scale control audit associated with an anomaly		
2	PRESENTATION_SEQUENCE	NOT NULL	NUMBER(2)
	A number used to sort anomaly process control types for display purposes		
3	ASSESSMENT_BEGIN	NOT NULL	NUMBER(4)
	A number used to describe how far into the past the anomaly process should 'begin looking' to include scale documents for assessment.		
	i.e. include documents for assessment whose scale dates are greater than or equal to the anomaly process run-date minus the assessment begin value		
4	ASSESSMENT_END	NOT NULL	NUMBER(4)
	A number used to describe how far into the past the anomaly process should 'finish looking' to include scale documents for assessment.		
	i.e. include documents for assessment whose scale dates are less than or equal to the anomaly process run-date minus the assessment end value		
5	ANOMALY_ASSESSMENT_STATUS_CODE	NOT NULL	VARCHAR2(3)
	A code used to identify the current state of an anomaly assessment process		
6	PREVIOUS_ANOMALY_BATCH_ID	NOT NULL	NUMBER(32)
	A unique identifier assigned to each run of the anomaly batch process		
7	CURRENT_ANOMALY_BATCH_ID	NOT NULL	NUMBER(32)
	A unique identifier assigned to each run of the anomaly batch process		
8	UPDATE_TIMESTAMP	NOT NULL	DATE
	The date and time of the last update to the parameters used to control an assessment process		
9	UPDATE_USERID	NOT NULL	VARCHAR2(30)
	Identifies the HBS user that last updated the anomaly process control parameters		

Foreign Keys:

AAC_AASC_FK
 ANOMALY_ASSESSMENT_STATUS_CODE =
 ANOMALY_ASSESSMENT_STATUS_CODE.ANOMALY_ASSESSMENT_STATUS_CODE

AAC_ANOMBAT_FK
 PREVIOUS_ANOMALY_BATCH_ID = HBS_ANOMALY_BATCH_EVENT.ANOMALY_BATCH_ID

AAC_SCLCTRLTYP_FK
 SCALE_CONTROL_TYPE_CODE = SCALE_CONTROL_TYPE_CODE.SCALE_CONTROL_TYPE_CODE

RECORDING_THE_CURRENT_EVENT_FK
 CURRENT_ANOMALY_BATCH_ID = HBS_ANOMALY_BATCH_EVENT.ANOMALY_BATCH_ID

Indexes:

AAC_AASC_FK_I
 ANOMALY_ASSESSMENT_STATUS_CODE

AAC_ANOMBAT_FK_I
 PREVIOUS_ANOMALY_BATCH_ID

AAC_SCLCTRLTYP_FK_I
 SCALE_CONTROL_TYPE_CODE

RECORDING_THE_CURRENT_EVENT__I
 CURRENT_ANOMALY_BATCH_ID

Table: ANOMALY_ASSESSMENT_STATUS_CODE*Description:*

Identifies the state of anomaly assessment batch processes

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ANOMALY_ASSESSMENT_STATUS_CODE A code used to identify the current state of an anomaly assessment process	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A text description of a code used to identify the current state of an anomaly assessment process	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date at which a code becomes effective and available for use	NOT NULL	DATE
4	EXPIRY_DATE The date at which a code expires and is no longer effective or available for use	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to a code (includes the insert date)	NOT NULL	DATE

Table: APPINT_SPECIES*Description:*

This identifies each species within the stand for the appraisal. For each species the volume and selling price per cubic metre are identified. The estimated selling price for each species is based upon market value schedules.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NOT NULL	VARCHAR2(6)
* 2	APP_EFFECTIVE_DATE The date on which the appraisal becomes effective.	NOT NULL	DATE
* 3	HDBS_TREE_SPECIES A two letter code indicating the tree species in the stand.	NOT NULL	VARCHAR2(2)

Table: APP_OPRNG_COST*Description:*

The Appraisal Operating Cost consists of the appraisal logging cost, silviculture cost, and manufacturing cost at the effective date of the appraisal, and the individual trended costs that were used determine the current stumpage rate.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NOT NULL	VARCHAR2(6)
* 2	APP_EFFECTIVE_DATE The date on which the appraisal becomes effective.	NOT NULL	DATE

Table: APP_SPECIES*Description:*

This entity identifies each species within the stand for the appraisal. For each species the volume, selling price/m3, and the species stumpage rate is identified. The estimated selling price is based upon market value schedules.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NOT NULL	VARCHAR2(6)
* 2	APP_EFFECTIVE_DATE The date on which the appraisal becomes effective.	NOT NULL	DATE
* 3	HDBS_TREE_SPECIES A two letter code indicating the tree species in the stand.	NOT NULL	VARCHAR2(2)

Table: APP_SPP_SP_PROD*Description:*

Provision for special fixed stumpage rates for authorized special species product grade combinations.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NOT NULL	VARCHAR2(6)
* 2	APP_EFFECTIVE_DATE The date on which the appraisal becomes effective.	NOT NULL	DATE
* 3	HDBS_SPP_PRD_GRADE A five character code. The first two characters stand for the tree species. The next two characters stand for the product to be made and the last character stands for the quality or grade of the species.	NOT NULL	VARCHAR2(5)

Table: APP_STMPG_RATE*Description:*

The Stumpage Rate for the mark being appraised. A bonus bid may be added to some species. Amount for stumpage rates are expressed in dollars per cubic metre.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NOT NULL	VARCHAR2(6)
* 2	APP_EFFECTIVE_DATE The date on which the appraisal becomes effective.	NOT NULL	DATE
* 3	STMPG_RTE_EFCTV_DT The date on which the stumpage rate becomes effective.	NOT NULL	DATE

Table: APP_WORKSHEET*Description:*

An Appraisal Worksheet is a conceptual collection of information required to process an appraisal and the results of the appraisal.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NOT NULL	VARCHAR2(6)
* 2	APP_EFFECTIVE_DATE The date on which the appraisal becomes effective.	NOT NULL	DATE

Table: AR_POST_TXN_KEY*Description:*

This table is used as a driver table for the Accounts Receivable Posting run. It is used to indicate all new invoices that were inserted into the Invoice table from the Billing processes. "Volume only" invoices are not inserted to this table.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	INVOICE_NUMBER The Invoice Number is a character string that appears on each printed invoice and uniquely identifies that invoice.	NOT NULL	VARCHAR2(7)
* 2	CANCELLATION_IND This attribute is used to identify invoices that are cancelling an invoice with the same Invoice_Number. It is set to "Y" only for a Piece Scale R2 transaction (Cancel and Replace). All other billing transactions are defaulted to "N".	NOT NULL	VARCHAR2(1)

Table: BILLING_TYPE_CODE*Description:*

A code identifying the type of a billing process that has been applied to a transaction or set of transactions being recorded in Harvest and Scaling History:

NP Normal Production

CR Cruise Based

WA Waste Avoidable

WU Waste Unavoidable

B1 Beachcomb 1

B2 Beachcomb 2

B3 Beachcomb 3

B4 Beachcomb 4

B5 Beachcomb 5

B6 Beachcomb 6

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	BILLING_TYPE_CODE	NOT NULL	VARCHAR2(2)
	A text code used to identify a type of billing process applied to a transaction or set of transactions		
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
	A text description of a code used to identify billing types		
3	EFFECTIVE_DATE	NOT NULL	DATE
	The date at which a code becomes effective and available for use		
4	EXPIRY_DATE	NOT NULL	DATE
	The date at which a code expires and is no longer effective or available for use		
5	UPDATE_TIMESTAMP	NOT NULL	DATE
	The date and time of the last update to a code (includes the insert date)		

Notes:

This entity was added for HBS Ticket BT15778

Table: CLIENT_LOCATION*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NOT NULL	VARCHAR2(8)
* 2	CLIENT_LOCN_CODE A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NOT NULL	VARCHAR2(2)

Foreign Keys:

CL_FC_FK
CLIENT_NUMBER = FOREST_CLIENT.CLIENT_NUMBER

Indexes:

CL_FC_FK_I
CLIENT_NUMBER

Table: CLNT_RCVBL_ACCT*Description:*

A uniquely numbered account for accumulating accounts receivable transactions. Each client may have one account per location.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CLIENT_NUMBER	NOT NULL	VARCHAR2(8)
	A sequentially assigned number which uniquely identifies a Ministry client.		
* 2	CLIENT_LOCN_CODE	NOT NULL	VARCHAR2(2)
	A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.		

Table: COAST_SCALE_GRADE_CODE*Description:*

A subset of Scale Grade Code used to describe the grades that are only valid for coast scale log grades.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	COAST_SCALE_GRADE_CODE A code identifying scale grades that our used in coastal scaling areas	NOT NULL	VARCHAR2(1)
2	DESCRIPTION A text description of a code used identify a scale grade used in coastal areas	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date at which a code becomes effective and available for use	NOT NULL	DATE
4	EXPIRY_DATE The date at which a code expires and is no longer effective or available for use	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to a code (includes the insert date)	NOT NULL	DATE

Notes:

Although the entity represents a subset of the Scale Grade Code entity it has been modelled as a seperate entity for ease of transformation. The implementation and data for this entity is static and will be maintained manually.

Table: CONIFEROUS_SCALE_SPECIES_CODE*Description:*

A subset of Scale Species Code containing only codes for Coniferous Speices

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CONIFEROUS_SCALE_SPECIES_CODE A code identifying the type of a coniferous species	NOT NULL	VARCHAR2(2)
2	DESCRIPTION A text description of a code used to identify a type of coniferous species	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date at which a code becomes effective and available for use	NOT NULL	DATE
4	EXPIRY_DATE The date at which a code expires and is no longer effective or available for use	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to a code (includes the insert date)	NOT NULL	DATE

Notes:

Although the entity represents a subset of the Scale Species Code entity it has been modelled as a seperate entity for ease of transformation. The implementation and data for this entity is static and will be maintained manually.

Table: CUT_BLOCK*Description:*

Information about harvesting that takes place on a cut block within a cutting permit, for a file on a harvesting tenure.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CB_SKEY The unique identifier for a cut block.	NOT NULL	NUMBER(10)

Table: DECIDUOUS_SCALE_SPECIES_CODE*Description:*

A subset of Scale Species Code containing only codes for Deciduous Speices

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DECIDUOUS_SCALE_SPECIES_CODE A code identifying the type of a deciduous species	NOT NULL	VARCHAR2(2)
2	DESCRIPTION A text description of a code used to identify a type of decidous species	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date at which a code becomes effective and available for use	NOT NULL	DATE
4	EXPIRY_DATE The date at which a code expires and is no longer effective or available for use	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to a code (includes the insert date)	NOT NULL	DATE

Notes:

Although the entity represents a subset of the Scale Species Code entity it has been modelled as a seperate entity for ease of transformation. The implementation and data for this entity is static and will be maintained manually.

Also: Although YEW is a Coniferous, for the purposes of appraisal and raitng information the ministry chooses to treat it as a deciduous species

Table: DETAIL_SCALE_DOCUMENT*Description:*

Provides the identification for a single instance of a detail scale document

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DETAIL_DOCUMENT_NUMBER A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.	NOT NULL	VARCHAR2(13)
2	SCALE_RETURN_STATE_CODE A code used to describe the current state of a summary scale return	NOT NULL	VARCHAR2(3)
3	DETAIL_SCALE_DOC_TYPE_CODE A code used to identify the type of a scale document being captured	NOT NULL	VARCHAR2(3)
4	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
5	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
6	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
7	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

DTLSCLDOC_DTLSDTTC_FK
 DETAIL_SCALE_DOC_TYPE_CODE = DETAIL_SCALE_DOC_TYPE_CODE.DETAIL_SCALE_DOC_TYPE_CODE
 DTLSCLDOC_SCLRTNSTAT_FK
 SCALE_RETURN_STATE_CODE = SCALE_RETURN_STATE_CODE.SCALE_RETURN_STATE_CODE

Indexes:

DTLSCLDOC_DTLSDTTC_FK_I
 DETAIL_SCALE_DOC_TYPE_CODE
 DTLSCLDOC_SCLRTNSTAT_FK_I
 SCALE_RETURN_STATE_CODE

Table: DETAIL_SCALE_DOC_TYPE_CODE*Description:*

Identifies a type of detail scale document:

e.g.

A arrival ledger

D departure ledger

L log tally

S sample log tally

W weigh slip

etc...

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DETAIL_SCALE_DOC_TYPE_CODE A code used to identify the type of a scale document being captured	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A text description of the code used to identify a scale document type.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: DFLT_STMPG_RT_T*Description:*

This table: 1) stores the maximum stumpage rate for an appraised species, where applicable; 2) stores the default stumpage rate for billing purposes for a species-product-grade combination that does not have rates specified in an individual appraisal.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	APPRAISAL_METHOD_CODE The method used to determine the appraisal being done. (eg. 'c' = Coast, 'I' = Interior)	NOT NULL	VARCHAR2(1)
* 2	HDBS_SPECIES_PRODUCT_GRADE A five character code. Two characters stand for the tree species in a volume. Another two characters stand for the product to be made and the last character stands for the quality of the species found within a given volume.	NOT NULL	VARCHAR2(5)
* 3	ORG_UNIT_NO Unique physical identifier for the storage of organizational unit codes for the Ministry of Forests' offices. Values stored here are for the computer's use only, and are not to be used by people as "ministry codes".	NOT NULL	NUMBER(10)
* 4	EFFECTIVE_DATE The date on which the associated default rate entry becomes effective.	NOT NULL	DATE

Table: DOCUMENT_DELIVERY_BATCH_ITEM*Description:*

Represents a batch of scale return data being either delivered to the HBS or being bridged from HBS to the HDBS.

Captures the instance of a HBS statement (i.e. invoices, volume statements, compiled samples, and ratio reports) contained in a batch, which is being prepared for transmission to a Ministry client.

Statements can be transmitted in two methods, i.e. images and data.

Images are transmitted as a PDF document (1 PDF file per statement). The PDF documents being delivered are compressed into a single zipped file.

Data is transmitted as a single XML file containing the data for each statement.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	BATCH_ID Surrogate key for uniquely identifying a batch	NOT NULL	NUMBER(32)
2	TRANSMISSION_ID A surrogate key uniquely identifying a transmission	NOT NULL	NUMBER(32)
3	HBS_FILE_ID Surrogate key uniquely identifying a file	NOT NULL	NUMBER(32)
4	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
5	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE

Foreign Keys:

BATCHITEM_DOCDELTRAN_FK
TRANSMISSION_ID = DOCUMENT_DELIVERY_TRANSMISSION.TRANSMISSION_ID
BATCHITEM_HBSFILE_FK
HBS_FILE_ID = HBS_FILE.HBS_FILE_ID

Indexes:

BATCHITEM_DOCDELTRAN_FK_I
TRANSMISSION_ID
BATCHITEM_HBSFILE_FK_I
HBS_FILE_ID

Notes:

A batch is either an input batch (i.e. received from an EDI trading partner) or an output batch (i.e. scale returns that have been received in an input batch and have been compiled into a processing batch for transmission to the HDBS)

Table: DOCUMENT_DELIVERY_TRANSMISSION**Description:**

This entity captures information pertaining to a physical data file being transmitted from or to the HBS. Captures information about the physical attributes of a file of statements being delivered to a Ministry client

Statements can be transmitted in two methods, i.e. images and data.

Images are transmitted as a PDF document (1 PDF file per statement). The PDF documents being delivered are compressed into a single zipped file.

Data is transmitted as a single XML file containing the data for each statement.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TRANSMISSION_ID A surrogate key uniquely identifying a transmission	NOT NULL	NUMBER(32)
2	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NOT NULL	VARCHAR2(8)
3	CLIENT_LOCN_CODE A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NOT NULL	VARCHAR2(2)
4	RECIPIENT_TYPE Indicates if the recipient is receiving a copy (copy-to) or an original (send-to) document	NOT NULL	VARCHAR2(7)
5	HBS_REPORT_STATUS_CODE A code used to describes the current state of a a request for a HBS report	NOT NULL	VARCHAR2(3)
6	HBS_DELIVERY_METHOD_CODE A code used to identify a method of delivering documents to a HBS client	NOT NULL	VARCHAR2(1)
7	PS_INVOICE_COUNT The number of piece scale invoices being transmitted in a file	NOT NULL	NUMBER(10)
8	PS_VOL_STATEMENT_COUNT The number of piece scale volume statements being transmitted in a file	NOT NULL	NUMBER(10)
9	WS_INVOICE_COUNT The number of weight scale invoices being transmitted in a file	NOT NULL	NUMBER(10)
10	WS_VOL_STATEMENT_COUNT The number of weight scale volume statements being transmitted in a file	NOT NULL	NUMBER(10)
11	COMPILED_SAMPLE_STMT_COUNT The number of compiled sample return statements being transmitted in a file	NOT NULL	NUMBER(10)
12	RATIO_STATEMENT_COUNT The number of ratio statements being transmitted in a file	NOT NULL	NUMBER(10)
13	FILE_NAME The name of the physical file stored on the server that contains the transmission data	NULL	VARCHAR2(100)
14	PDF_FILE_NAME A text string of the name of the pdf file generated for delivery	NULL	VARCHAR2(100)
15	CREATION_DATE The date the document was created	NULL	DATE
16	SENT_DATE The date that the document was sent to the recipient	NULL	DATE
17	EMAIL_ADDRESS The email address of the recipient to which the document was sent	NULL	VARCHAR2(2000)
18	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
19	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE

Foreign Keys:

DOCDELTRAN_CL_FK

CLIENT_NUMBER = CLIENT_LOCATION.CLIENT_NUMBER

CLIENT_LOCN_CODE = CLIENT_LOCATION.CLIENT_LOCN_CODE

DOCDELTRAN_DELMTHDCD_FK

HBS_DELIVERY_METHOD_CODE = HBS_DELIVERY_METHOD_CODE.HBS_DELIVERY_METHOD_CODE

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

DOCDELTRAN_HRSC_FK
HBS_REPORT_STATUS_CODE = HBS_REPORT_STATUS_CODE.HBS_REPORT_STATUS_CODE

Indexes:

DOCDELTRAN_CL_FK_I
CLIENT_NUMBER
CLIENT_LOCN_CODE
DOCDELTRAN_DELMTHDCD_FK_I
HBS_DELIVERY_METHOD_CODE
DOCDELTRAN_HRSC_FK_I
HBS_REPORT_STATUS_CODE

Notes:

The following attributes from the HBS_TRANSMISSION supertype are not implemented by this subtype:
RECORD COUNT
FILE DATETIME
BATCH COUNT
FAILURE REASON

Table: DROPOUT_MARK_LATEST_RATIO**Description:**

This entity records a link to the latest set of ratios that were used to bill a load of timber against a timber mark that has a non-renewable tenure (i.e. "drop-mark")

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>																																																								
* 1	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NOT NULL	VARCHAR2(6)																																																								
* 2	STATEMENT_NUMBER A unique identifier generated for each statement. <i>To accomodate downstream systems the statement identifier will conform to the current format supported by HDBS (i.e. 7 character alphanumeric).</i> <i>To ensure a sufficient number of unique statement identifiers, given the aforementioned constraint, the following scheme will be implemented to identify the various types of documents</i>	NOT NULL	VARCHAR2(7)																																																								
	<table><tr><th>Statement type</th><th>pos 1</th><th>pos 2</th><th>pos 3</th><th>pos 4</th><th>pos 5</th><th>pos 6</th><th>pos 7</th></tr><tr><td>Piece Scale Invoices</td><td>Q, R, or S</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Weight Scale Invoices</td><td>X, Y, or Z</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Piece Scale Vol Stmt</td><td>L, M, or N</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Weight ScaleVol Stmt</td><td>T, U, or V</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Compiled Sample Stmt</td><td>B, C, or D</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Ratio Stmt</td><td>F, G, or H</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr></table>	Statement type	pos 1	pos 2	pos 3	pos 4	pos 5	pos 6	pos 7	Piece Scale Invoices	Q, R, or S	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Weight Scale Invoices	X, Y, or Z	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Piece Scale Vol Stmt	L, M, or N	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Weight ScaleVol Stmt	T, U, or V	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Compiled Sample Stmt	B, C, or D	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Ratio Stmt	F, G, or H	0-9, A-Z	0-9	0-9	0-9	0-9	0-9		
Statement type	pos 1	pos 2	pos 3	pos 4	pos 5	pos 6	pos 7																																																				
Piece Scale Invoices	Q, R, or S	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Weight Scale Invoices	X, Y, or Z	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Piece Scale Vol Stmt	L, M, or N	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Weight ScaleVol Stmt	T, U, or V	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Compiled Sample Stmt	B, C, or D	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Ratio Stmt	F, G, or H	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
* 3	POPULATION_NUMBER A number uniquely identifying a population	NOT NULL	VARCHAR2(4)																																																								
* 4	SAMPLING_YEAR Describes a period within which loads of timber are attributed to a particular stratum within a population <i>This column is specified as Number (5) due to the use of legacy tables during the original implementiion of HBS Phase 1</i>	NOT NULL	NUMBER(5)																																																								
* 5	STRATUM_NUMBER A unique identifier for a stratum within a population/sampling year	NOT NULL	VARCHAR2(2)																																																								
6	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)																																																								
7	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE																																																								
8	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)																																																								
9	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE																																																								

Foreign Keys:

DMLASTRAT_RATIOSTMT_FK
STATEMENT_NUMBER = HBS_RATIO_STATEMENT.STATEMENT_NUMBER

DMLASTRAT_STRATUM_FK
POPULATION_NUMBER = STRATUM.POPULATION_NUMBER
SAMPLING_YEAR = STRATUM.SAMPLING_YEAR
STRATUM_NUMBER = STRATUM.STRATUM_NUMBER

DMLASTRAT_TM_FK
TIMBER_MARK = TIMBER_MARK.TIMBER_MARK

Indexes:

DMLASTRAT_RATIOSTMT_FK_I
STATEMENT_NUMBER

DMLASTRAT_STRATUM_FK_I
POPULATION_NUMBER
SAMPLING_YEAR
STRATUM_NUMBER

DMLASTRAT_TM_FK_I

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

TIMBER_MARK

Table: DTL_BAT_DOC_FORMAT_ERROR*Description:*

Records all errors encountered during edit events.

Records an error that caused a document, recieved in a batch of detail documents, to fail unpacking edit event.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ERROR_ID	NOT NULL	NUMBER(32)
	Surrogate key for uniquely identifying an error		
2	BATDOC_ID	NOT NULL	NUMBER(32)
	Surrogate key for uniquely identifying a document from a detail scale document batch		
3	HBS_EDIT_ERR_CATEGORY_CODE	NOT NULL	VARCHAR2(3)
	A code used to identify an error category for an edit error		
4	HBS_EDIT_ERR_MESSAGE_CODE	NOT NULL	VARCHAR2(6)
	A code used to identify an error message that an edit event may generate		
5	ERROR_TIMESTAMP	NOT NULL	DATE
	Date and time at which the error message was generated		
6	INPUT_SCALE_SITE	NULL	VARCHAR2(4)
	An text string in a detail document in error, representing an un-validated scale site identifier		
7	INPUT_DATE	NULL	VARCHAR2(8)
	An text string in a detail document in error, representing an un-validated scale date		
8	INPUT_PRIMARY_SCALER_LIC	NULL	VARCHAR2(4)
	An text string in a detail document in error, representing an un-validated primary scaler identifier		
9	INPUT_WEIGH_SLIP_NUMBER	NULL	VARCHAR2(10)
	An text string in a detail document in error, representing an un-validated weigh slip number		
10	INPUT_SOURCE	NULL	VARCHAR2(7)
	An text string in a detail document in error, representing an un-validated timber mark or timber brand identifier		
11	INPUT_SCALE_EVENT_TYPE	NULL	VARCHAR2(2)
	An text string in a detail document in error, representing an un-validated scale event type		
12	INPUT_RETURN_NUMBER	NULL	VARCHAR2(4)
	An text string in a detail document in error, representing an un-validated return number		

Foreign Keys:

BATDOCFERR_BATDOC_FK

BATDOC_ID = DTL_DOC_BATCH_DOCUMENT.BATDOC_ID

BATDOCFERR_EEMC_FK

HBS_EDIT_ERR_MESSAGE_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_CATEGORY_CODE

Indexes:

BATDOCFERR_BATDOC_FK_I

BATDOC_ID

BATDOCFERR_EEMC_FK_I

HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE

Table: DTL_BAT_FORMAT_ERROR*Description:*

Records all errors encountered during edit events.

Records an error that caused a batch of detail documents to fail an unpacking edit event.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ERROR_ID	NOT NULL	NUMBER(32)
	Surrogate key for uniquely identifying an error		
2	HBS_EDIT_ERR_CATEGORY_CODE	NOT NULL	VARCHAR2(3)
	A code used to identify an error category for an edit error		
3	HBS_EDIT_ERR_MESSAGE_CODE	NOT NULL	VARCHAR2(6)
	A code used to identify an error message that an edit event may generate		
4	BATCH_ID	NOT NULL	NUMBER(32)
	Surrogate key for uniquely identifying a batch		
5	ERROR_TIMESTAMP	NOT NULL	DATE
	Date and time at which the error message was generated		

Foreign Keys:

DBATFMTERR_DTLDOCBAT_FK

BATCH_ID = DTL_DOC_BATCH.BATCH_ID

DBATFMTERR_EEMC_FK

HBS_EDIT_ERR_MESSAGE_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_CATEGORY_CODE

Indexes:

DBATFMTERR_DTLDOCBAT_FK_I

BATCH_ID

DBATFMTERR_EEMC_FK_I

HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE

Table: DTL_DOC_BATCH**Description:**

Represents a batch of scale return data being either delivered to the HBS or being bridged from HBS to the HDBS.

A subtype of HBS Input Batch...

A batch of detail scale document data received by HBS

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	BATCH_ID Surrogate key for uniquely identifying a batch	NOT NULL	NUMBER(32)
2	DTLDOCBAT_TYPE Describes the type of scale document being submitted. *** OBSOLETE *** Only contains a single value "DTLBAT"	NOT NULL	VARCHAR2(10)
3	TRANSMISSION_ID A surrogate key uniquely identifying a transmission	NOT NULL	NUMBER(32)
4	HBS_RETURN_TYPE_CODE A code used to identify a type of scale return	NULL	VARCHAR2(1)
5	SCALE_SITE_ID_NMBR An alphanumeric code used to uniquely identify a scale site.	NULL	VARCHAR2(4)
6	DETAIL_SCALE_DOC_TYPE_CODE A code used to identify the type of a scale document being captured	NOT NULL	VARCHAR2(3)
7	BATCH_CONTROL_TOTAL A control total for validating the contents of a batch: - for Piece scale and samples batches the control total is the sum of log counts on all tallies in batch - for Weight scale batches the control total is the sum of gross weights on all weigh slips in batch - for ledgers - 0	NOT NULL	NUMBER(15)
8	READY_COUNT A count of the scale documents contained in the batch that HBS was able to accept and which contained no edit errors, and is ready for processing	NOT NULL	NUMBER(10)
9	IN_ERROR_COUNT A count of the documents contained in the batch that HBS was able to accept but which contained edit errors	NOT NULL	NUMBER(10)
10	FROM_SCALE_DATE The earliest scale date from the set of scale documents included in the batch	NOT NULL	DATE
11	TO_SCALE_DATE The latest scale date from the set of scale documents included in the batch	NOT NULL	DATE
12	OTHER_COUNT Tracks the number of documents in the batch that were accepted into the database but have a status other than 'In Error' or 'Ready'	NOT NULL	NUMBER(10)
13	RETURN_COUNT A total count of the scale documents contained in the batch that HBS was able to accept	NOT NULL	NUMBER(10)
14	ACCEPTED_IND a boolean (yes/no) indicating if the batch was successfully unpacked and excepted by HBS	NOT NULL	VARCHAR2(1)
15	SUBMITTER_BATCH_ID A batch identifier supplied by the submitter	NULL	VARCHAR2(10)
16	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
17	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE

Foreign Keys:

DTLDOCBAT_DTLDOCTRAN_FK

TRANSMISSION_ID = DTL_SCL_DOC_TRANSMISSION.TRANSMISSION_ID

DTLDOCBAT_DTLSDTC_FK

DETAIL_SCALE_DOC_TYPE_CODE = DETAIL_SCALE_DOC_TYPE_CODE.DETAIL_SCALE_DOC_TYPE_CODE

DTLDOCBAT_HRTC_FK

HBS_RETURN_TYPE_CODE = HBS_RETURN_TYPE_CODE.HBS_RETURN_TYPE_CODE

DTLDOCBAT_SS_FK

SCALE_SITE_ID_NMBR = SCALE_SITE.SCALE_SITE_ID_NMBR

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

DTLDOCBAT_DTLDOCTRAN_FK_I
TRANSMISSION_ID
DTLDOCBAT_DTLSDTN_FK_I
DETAIL_SCALE_DOC_TYPE_CODE
DTLDOCBAT_HRTC_FK_I
HBS_RETURN_TYPE_CODE
DTLDOCBAT_SS_FK_I
SCALE_SITE_ID_NMBR

Notes:

A batch is either an input batch (i.e. received from an EDI trading partner) or an output batch (i.e. scale returns that have been received in an input batch and have been compiled into a processing batch for transmission to the HDBS)

Table: DTL_DOC_BATCH_DOCUMENT*Description:*

Records identifiers of an instance of a scale document recieved in a batch of detail scale documents that may or may not be accepted as a valid HBS detail scale document.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	BATDOC_ID Surrogate key for uniquely identifying a document from a detail scale document batch	NOT NULL	NUMBER(32)
2	BATCH_ID Surrogate key for uniquely identifying a batch	NOT NULL	NUMBER(32)
3	ACCEPTED_IND a boolean (yes/no) indicating if a scale document was successfully unpacked and excepted by HBS	NOT NULL	VARCHAR2(1)
4	SOFTWARE_PRODUCT The name of the software product used to generate a scale document	NULL	VARCHAR2(12)
5	SOFTWARE_VERSION Identifies the version of the software used to generate a scale document	NULL	VARCHAR2(4)
6	SOFTWARE_REVISION Identifies a revision or release of a version of a software product used to generate a scale document	NULL	VARCHAR2(4)
7	DETAIL_DOCUMENT_NUMBER A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.	NULL	VARCHAR2(13)
8	INPUT_DDN The contents of the detail document number field recieved in a scale document	NULL	VARCHAR2(13)
9	INPUT_DV The contents of the document version number field recieved in a scale document	NULL	VARCHAR2(2)
10	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
11	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE

Foreign Keys:

BATDOC_DTLDOCBAT_FK
BATCH_ID = DTL_DOC_BATCH.BATCH_ID
BATDOC_DTLSCLDOK_FK
DETAIL_DOCUMENT_NUMBER = DETAIL_SCALE_DOCUMENT.DETAIL_DOCUMENT_NUMBER

Indexes:

BATDOC_DTLDOCBAT_FK_I
BATCH_ID
BATDOC_DTLSCLDOK_FK_I
DETAIL_DOCUMENT_NUMBER

Table: DTL_SCL_DOC_TRANSMISSION**Description:**

This entity captures information pertaining to a physical data file being transmitted from or to the HBS.

This entity captures information regarding the physical transmission of an file of detail scale documents, and is later validated against information obtained from its XML content.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	HBS_XML_TRANS_STEP_CODE A code used to describe the current processing step of a XML Transmission	NOT NULL	VARCHAR2(3)
* 2	TRANSMISSION_ID A surrogate key uniquely identifying a transmission	NOT NULL	NUMBER(32)
3	HBS_PROCESSING_STATUS_CODE A code used to describe the current state of a HBS Transmission	NOT NULL	VARCHAR2(3)
4	USER_ID A userid by a HBS user is identified to the application	NULL	VARCHAR2(30)
5	CLIENT_LOCN_CODE A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NULL	VARCHAR2(2)
6	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NULL	VARCHAR2(8)
7	BATCH_COUNT The number of batches contained in the transmisson	NOT NULL	NUMBER(10)
8	ACCEPTED_IND a boolean (yes/no) indicating if the transmission was successfully unpacked and excepted by HBS	NOT NULL	VARCHAR2(1)
9	FILE_NAME The name of the physical file stored on the server that contains the transmission data	NOT NULL	VARCHAR2(100)
10	FILE_DATETIME the date and time a document is recieved by HBS	NOT NULL	DATE
11	RECORD_COUNT The number of records contained in a transmission	NOT NULL	NUMBER(10)
12	TEST_FILE_IND A booean type field (test/prod) indicating that a tranmission has been sent to HBS as a production (P) file, that is to be fully processed, or a test (T) file that is only to be used to test the transmission of a file to HBS (no processing is performed on test files)	NULL	VARCHAR2(1)
13	INPUT_USERID A text string containing the user id of the HBS user who sent the file. <i>This field must be validated before its value can be copied to a HBS User foreign key field</i>	NULL	VARCHAR2(30)
14	RECD_DIRECTORY Captures the directory that a ftp transmitted scale document file was saved to <i>Contains the directory name, prefixed with a Client number identifier, into which HBS placed the file after the transmission is recieved</i>	NULL	VARCHAR2(200)
15	RECD_CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NULL	VARCHAR2(8)
16	HBS_XML_PURGE_STATUS_CODE A code used to identify the disposition (status) of a file recieved by HBS, which is to be purged after a prescribed time period. e.g. NOD - No Directory NOF - No File NOU - No Org Unit PRG - Purged	NULL	VARCHAR2(3)
17	HBS_XML_PURGE_TIMESTAMP	NULL	DATE
18	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
19	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
20	UPDATE_USERID	NULL	VARCHAR2(30)
21	UPDATE_TIMESTAMP	NULL	DATE

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

DTLDOCTRAN_CL_FK
 CLIENT_NUMBER = CLIENT_LOCATION.CLIENT_NUMBER
 CLIENT_LOCN_CODE = CLIENT_LOCATION.CLIENT_LOCN_CODE
 DTLDOCTRAN_FC_FK
 RECD_CLIENT_NUMBER = FOREST_CLIENT.CLIENT_NUMBER
 DTLDOCTRAN_HBS_HU_FK
 USER_ID = HBS_USER.USER_ID
 DTLDOCTRAN_HBS_XML_TR_FK
 HBS_XML_TRANS_STEP_CODE = HBS_XML_TRANS_STEP_CODE.HBS_XML_TRANS_STEP_CODE
 DTLDOCTRAN_HXPSC_FK
 HBS_XML_PURGE_STATUS_CODE = HBS_XML_PURGE_STATUS_CODE.HBS_XML_PURGE_STATUS_CODE
 DTLDOCTRAN_PROCESSTAT_FK
 HBS_PROCESSING_STATUS_CODE =
 HBS_PROCESSING_STATUS_CODE.HBS_PROCESSING_STATUS_CODE

Indexes:

DTLDOCTRAN_CL_FK_I
 CLIENT_NUMBER
 CLIENT_LOCN_CODE
 DTLDOCTRAN_FC_FK_I
 RECD_CLIENT_NUMBER
 DTLDOCTRAN_HBS_HU_FK_I
 USER_ID
 DTLDOCTRAN_HBS_XML_TR_FK_I
 HBS_XML_TRANS_STEP_CODE
 DTLDOCTRAN_HXPSC_FK_I
 HBS_XML_PURGE_STATUS_CODE
 DTLDOCTRAN_PROCESSTAT_FK_I
 HBS_PROCESSING_STATUS_CODE

Notes:

At the time a file is received in its target directory a transmission record is created with the following data:

- transmission id
- file name
- file datetime
- entry userid (i.e. system userid)
- entry timestamp (i.e. system timestamp)
- accepted ind = N
- input userid (i.e. the NT userid)
- batch count = 0 (until validation)
- record count = 0 (until validation)
- test file ind = null (until validation)
- submitted by userid relationship is null (until validation)
- client/loc source relationship is null (until validation)
- hbs processing status code relationship is 'processing'

At the time the file is validated the following data is updated as appropriate:

- batch count
- record count
- accepted ind
- test file ind
- submitted by userid (if input userid is a valid HBS Userid)
- client/loc source
- hbs processing status code

For Industry transmissions the source is the client/loc for the site owner;
 therefore, all scale sites in the transmission must be owned by the same client/loc

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

For Check scale transmissions the source is the client/loc for the Org_unit of the check scaler.

Table: FINAL_BILLABLE_DROP_OUT_MARK*Description:*

This entity identifies situations where a timber mark with a non-renewable tenure, (aka "dropout mark"), which are normally exempt from final billing, have chosen to be final billed, with current ratios, for timber scaled at a specific population.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	POPULATION_NUMBER A number uniquely identifying a population	NOT NULL	VARCHAR2(4)
* 2	SAMPLING_YEAR Describes a period within which loads of timber are attributed to a particular stratum within a population <i>This column is specified as Number (5) due to the use of legacy tables during the original implementation of HBS Phase 1</i>	NOT NULL	NUMBER(5)
* 3	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NOT NULL	VARCHAR2(6)
4	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
5	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
6	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
7	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

FBDM_POP_FK
POPULATION_NUMBER = POPULATION.POPULATION_NUMBER
SAMPLING_YEAR = POPULATION.SAMPLING_YEAR
FBDM_TM_FK
TIMBER_MARK = TIMBER_MARK.TIMBER_MARK

Indexes:

FBDM_POP_FK_I
POPULATION_NUMBER
SAMPLING_YEAR
FBDM_TM_FK_I
TIMBER_MARK

Table: FOREST_CLIENT*Description:*

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

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CLIENT_NUMBER	NOT NULL	VARCHAR2(8)
	Sequentially assigned number to identify a ministry client.		

Table: FOREST_INVOICE*Description:*

The invoice is the document that is used to notify a client of a billing assessment made by the Ministry.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	INVOICE_NUMBER The Invoice Number is a character string that appears on each printed invoice and uniquely identifies that invoice.	NOT NULL	VARCHAR2(7)
* 2	CANCELLATION_IND This attribute is used to identify invoices that are cancelling an invoice with the same Invoice_Number. It is set to "Y" only for a Piece Scale R2 transaction (Cancel and Replace). All other billing transactions are defaulted to "N".	NOT NULL	VARCHAR2(1)

Table: FOR_CLIENT_LINK*Description:*

Retrofitted from table FOR_CLIENT_LINK

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOR_CLIENT_LINK_SKEY	NOT NULL	NUMBER(10)
	Retrofitted from column FOR_CLIENT_LINK_SKEY of table FOR_CLIENT_LINK		

Table: GRADE_SCHEDULE_CODE*Description:*

Identifies which grade schedule is permitted for a stratum.

e.g.

I - Interior

C - Coast

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	GRADE_SCHEDULE_CODE A code identifying a grade schedule e.g. C - Coast I - Interior	NOT NULL	VARCHAR2(1)
2	DESCRIPTION A text description of a code used to identify a grade schedule	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date at which a code becomes effective and available for use	NOT NULL	DATE
4	EXPIRY_DATE The date at which a code expires and is no longer effective or available for use	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to a code (includes the insert date)	NOT NULL	DATE

Table: HARVEST_COMMIT*Description:*

Information about the agreement under which quota-type tenures operate. This refers to the distribution of the AAC and the area to be harvested, reflected as a commitment by the Forest Service to the tenure holder. This is the tenure current AAC.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID	NOT NULL	VARCHAR2(10)
	File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.		

Table: HARVEST_HISTORY*Description:*

This is the table used to store volume and value data for a Mark. The volumes are summary data, retained by Species, product, grade, billing period, and billing type. It exists for performance reasons to support the various queries and reports.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NOT NULL	VARCHAR2(6)
* 2	BILLING_YEAR This is the year in which the recorded volume was billed.	NOT NULL	NUMBER(5)
* 3	BILLING_MONTH This is the month in which the recorded volume was billed.	NOT NULL	NUMBER(5)
* 4	HDBS_TREE_SPECIES A code that identifies the species of log being scaled.	NOT NULL	VARCHAR2(2)
* 5	FOREST_PRODUCT_CDE This code identifies the type of forest product being scaled. It is blank for logs.	NOT NULL	VARCHAR2(2)
* 6	LOG_GRADE A code assigned to each log to indicate the overall quality, which infers a certain value.	NOT NULL	VARCHAR2(1)
* 7	BILLING_TYPE_CODE This is a code used to differentiate between various types of billed volumes. Examples being regular harvest volume, waste volume, trespass volume, and overcut volume.	NOT NULL	VARCHAR2(2)

Table: HARVEST_SALE*Description:*

Sale information relating to specific tenures, usually let via the competitive bid process. Information on planned sale and actual sale details are required for Small Business tenures.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID	NOT NULL	VARCHAR2(10)
	File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.		

Table: HBS_ANOMALY_BATCH_EVENT**Description:**

Records the processing of the batch process that looks for scale anomalies.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ANOMALY_BATCH_ID A unique identifier assigned to each run of the anomaly batch process	NOT NULL	NUMBER(32)
2	SCALE_CONTROL_TYPE_CODE A code used to identify the type of a scale control audit associated with an anomal	NOT NULL	VARCHAR2(1)
3	ANOMALY_BATCH_DATETIME Records the date and time an anomaly batch process was run	NOT NULL	DATE
4	FROM_SCALE_DATE Captures the date that was used to identify the starting date of the date range for the scale documents to be included in the anomaly process event. This date is derived from the assessment control entity 'Assessment begin' value i.e. a document scale date must be greater than or equal to the 'from scale date' <i>The starting point for the batch to process can be found by retrieving the TO_DTL_DOC_SEQ from the previous anomaly batch process event.</i>	NULL	DATE
5	TO_SCALE_DATE Captures the date that was used to identify the end date of the date range for the scale documents to be included in the anomaly process event. This date is derived from the assessment control entity 'Assessment end' value i.e. a document scale date must be less than or equal to the 'to scale date'	NULL	DATE

Foreign Keys:

ANOMBAT_SCLCTRLTYP_FK
SCALE_CONTROL_TYPE_CODE = SCALE_CONTROL_TYPE_CODE.SCALE_CONTROL_TYPE_CODE

Indexes:

ANOMBAT_SCLCTRLTYP_FK_I
SCALE_CONTROL_TYPE_CODE

Table: HBS_AUDIT*Description:*

Captures information about changes to HBS system data

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	AUDIT_ID Surrogate key used to uniquely identify HBS audit events	NOT NULL	NUMBER
2	AUDIT_DATE Date an audit event occurred	NOT NULL	DATE
3	OBJECT_OLD_ID The before audit event identifier of the object <i>This attribute is represented as a large varchar2 data item so that compound identifiers may be captured as a concatenated string</i>	NOT NULL	VARCHAR2(128)
4	OBJECT_NEW_ID The after audit event identifier of the object <i>This attribute is represented as a large varchar2 data item so that compound identifiers may be captured as a concatenated string</i>	NOT NULL	VARCHAR2(128)
5	HBS_OBJECT_TYPE_CODE A code used to identify a type of HBS object	NOT NULL	VARCHAR2(3)
6	ACTION_TYPE_CODE A code used to describe the action being applied to an object for audit purposes e.g Upd - update Del - delete Ins - insert etc	NOT NULL	VARCHAR2(3)
7	USER_ID_RECORDING_ACTIONS_FOR A userid by a HBS user is identified to the application	NOT NULL	VARCHAR2(30)
8	USER_ID A userid by a HBS user is identified to the application	NULL	VARCHAR2(30)

Foreign Keys:

HBS_HA_ATC_FK
ACTION_TYPE_CODE = ACTION_TYPE_CODE.ACTION_TYPE_CODE
HBS_HA_HBS_HU_FK
USER_ID_RECORDING_ACTIONS_FOR = HBS_USER.USER_ID
HBS_HA_HOTC1_FK
HBS_OBJECT_TYPE_CODE = HBS_OBJECT_TYPE_CODE.HBS_OBJECT_TYPE_CODE
HBS_RECORDING_AUTHORIZATION_FK
USER_ID = HBS_USER.USER_ID

Indexes:

HBS_HA_ATC_FK_I
ACTION_TYPE_CODE
HBS_HA_HBS_HU_FK_I
USER_ID_RECORDING_ACTIONS_FOR
HBS_HA_HOTC1_FK_I
HBS_OBJECT_TYPE_CODE
HBS_RECORDING_AUTHORIZATION__I
USER_ID

Table: HBS_CLIENT_DELIVERY_PROFILE*Description:*

This entity identifies the delivery method by which a client location will receive documents from HBS

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DLVPROF_ID A unique identifier (surrogate) for a client delivery profile	NOT NULL	NUMBER(32)
2	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NOT NULL	VARCHAR2(8)
3	CLIENT_LOCN_CODE A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NOT NULL	VARCHAR2(2)
4	HBS_DELIVERY_METHOD_CODE A code used to identify a method of delivering documents to a HBS client	NOT NULL	VARCHAR2(1)
5	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
6	EXPIRY_DATE The date after which the code is no longer available for use.	NULL	DATE
7	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
8	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
9	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
10	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

DLVPROF_CL_FK

CLIENT_NUMBER = CLIENT_LOCATION.CLIENT_NUMBER

CLIENT_LOCN_CODE = CLIENT_LOCATION.CLIENT_LOCN_CODE

DLVPROF_DELMTHDCD_FK

HBS_DELIVERY_METHOD_CODE = HBS_DELIVERY_METHOD_CODE.HBS_DELIVERY_METHOD_CODE

Indexes:

DLVPROF_CL_FK_I

CLIENT_NUMBER

CLIENT_LOCN_CODE

DLVPROF_DELMTHDCD_FK_I

HBS_DELIVERY_METHOD_CODE

Table: HBS_COMPILED_SAMPLE_STMNT**Description:**

This entity represents the generation of a formal HBS statement (i.e. Invoices, volume statements, compiled sample statements, and ratio statements).

Provides a level of sub-typing that groups together all statement types excluding HBS Ratio Statements

This entity captures information supporting the creation of a formal compiled sample statement document.

Columns:

Seq.	Column	Nulls?	Type																																																								
* 1	STATEMENT_NUMBER A unique identifier generated for each statement. <i>To accomodate downstream systems the statement identifier will conform to the current format supported by HDBS (i.e. 7 character alphanumeric).</i> <i>To ensure a sufficient number of unique statement identifiers, given the aforementioned constraint, the following scheme will be implemented to identify the various types of documents</i>	NOT NULL	VARCHAR2(7)																																																								
	<table><tr><th>Statement type</th><th>pos 1</th><th>pos 2</th><th>pos 3</th><th>pos 4</th><th>pos 5</th><th>pos 6</th><th>pos 7</th></tr><tr><td>Piece Scale Invoices</td><td>Q, R, or S</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Weight Scale Invoices</td><td>X, Y, or Z</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Piece Scale Vol Stmt</td><td>L, M, or N</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Weight ScaleVol Stmt</td><td>T, U, or V</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Compiled Sample Stmt</td><td>B, C, or D</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Ratio Stmt</td><td>F, G, or H</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr></table>	Statement type	pos 1	pos 2	pos 3	pos 4	pos 5	pos 6	pos 7	Piece Scale Invoices	Q, R, or S	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Weight Scale Invoices	X, Y, or Z	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Piece Scale Vol Stmt	L, M, or N	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Weight ScaleVol Stmt	T, U, or V	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Compiled Sample Stmt	B, C, or D	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Ratio Stmt	F, G, or H	0-9, A-Z	0-9	0-9	0-9	0-9	0-9		
Statement type	pos 1	pos 2	pos 3	pos 4	pos 5	pos 6	pos 7																																																				
Piece Scale Invoices	Q, R, or S	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Weight Scale Invoices	X, Y, or Z	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Piece Scale Vol Stmt	L, M, or N	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Weight ScaleVol Stmt	T, U, or V	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Compiled Sample Stmt	B, C, or D	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Ratio Stmt	F, G, or H	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
2	TRX_ID A generated unique identifier for the a summary scale return transaction	NOT NULL	NUMBER(32)																																																								
3	CLIENT_NUMBER_SEND_TO Sequentially assigned number to identify a ministry client.	NOT NULL	VARCHAR2(8)																																																								
4	CLIENT_LOCN_CODE_SEND_TO A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NOT NULL	VARCHAR2(2)																																																								
5	CLIENT_NUMBER_COPY_TO Sequentially assigned number to identify a ministry client.	NULL	VARCHAR2(8)																																																								
6	CLIENT_LOCN_CODE_COPY_TO A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NULL	VARCHAR2(2)																																																								
7	HBS_FILE_ID Surrogate key uniquely identifying a file	NULL	NUMBER(32)																																																								
8	MIME_TYPE_CODE <i>This column was added to facilitate historical data in this column as it is no longer a component of the HBS_FILE table primary key.</i>	NULL	VARCHAR2(3)																																																								
9	TOTAL_VOLUME The total volume recorded for the summary scale statement	NOT NULL	NUMBER(15,3)																																																								
10	ISSUE_DATE The date that the statement was generated by HBS	NOT NULL	DATE																																																								
11	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)																																																								
12	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE																																																								

Foreign Keys:

COMPSMPL_CL_FK

CLIENT_NUMBER_COPY_TO = CLIENT_LOCATION.CLIENT_NUMBER

CLIENT_LOCN_CODE_COPY_TO = CLIENT_LOCATION.CLIENT_LOCN_CODE

COMPSMPL_CL_SENT_TO_FK

CLIENT_NUMBER_SEND_TO = CLIENT_LOCATION.CLIENT_NUMBER

CLIENT_LOCN_CODE_SEND_TO = CLIENT_LOCATION.CLIENT_LOCN_CODE

COMPSMPL_HBSFILE_FK

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

HBS_FILE_ID = HBS_FILE.HBS_FILE_ID
COMPSMPL_SMPLSCLTXN_FK
TRX_ID = SAMPLE_SCL_SMRY_TXN.TRX_ID

Indexes:

COMPSMPL_CL_FK_I
CLIENT_NUMBER_COPY_TO
CLIENT_LOCN_CODE_COPY_TO
COMPSMPL_CL_SENT_TO_FK_I
CLIENT_NUMBER_SEND_TO
CLIENT_LOCN_CODE_SEND_TO
COMPSMPL_HBSFILE_FK_I
HBS_FILE_ID
COMPSMPL_SMPLSCLTXN_FK_I
TRX_ID

Notes:

Each statement is identified by a unique identifier, generated by HBS, but conforming to downstream system constraints that the identifier be a 7 character alphanumeric

Table: HBS_DELIVERY_METHOD_CODE*Description:*

Identifies methods of delivering HBS documents to clients

P - paper

A - attended HTTP transfer of PDF and/or XML electronic files

U - unattended (automated) FTP transfer of PDF and/or XML electronic files

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HBS_DELIVERY_METHOD_CODE A code used to identify a method of delivering documents to a HBS client	NOT NULL	VARCHAR2(1)
2	DESCRIPTION A textual description of a method of delivering documents to a HBS client	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: HBS_DISTRICT_DEFAULT_RATE**Description:**

Provides default billing rates for various segregations as assigned to a forest district

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DISTR_ID A unique identifier (surrogate) for district default rate record	NOT NULL	NUMBER(32)
2	ORG_UNIT_NO Unique physical identifier for the storage of organizational unitcodes for the Ministry of Forests' offices. Values stored here are for the computer's use only, and are not to be used by people as "ministry codes".	NOT NULL	NUMBER(10)
3	SCALE_SPECIES_CODE A code used to identify a type of tree species <i>optional flag overwritten to 'yes' to facilitate wild cards</i>	NULL	VARCHAR2(2)
4	SCALE_PRODUCT_CODE A code used to identify a type of timber product	NOT NULL	VARCHAR2(2)
5	SCALE_GRADE_CODE A code used to identify a grade of timber	NOT NULL	VARCHAR2(1)
6	APPRAISAL_MTHD_CODE Indicates if a default rate is used for interior or coastal appraisals	NOT NULL	VARCHAR2(1)
7	RATE The default rated assigned to a segregation by a forest district	NOT NULL	NUMBER(6,2)
8	ACTIVE_IND Indicates if a record is active (regardless of effective/expiry dates)	NOT NULL	VARCHAR2(1)
9	EFFECTIVE_DATE The date at which a default rate becomes effective and available for use	NOT NULL	DATE
10	EXPIRY_DATE The date at which a default rate expires and is no longer effective or available for use	NOT NULL	DATE
11	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
12	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
13	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
14	UPDATE_TIMESTAMP The date and time of the last update to a default rate record (includes the insert date)	NULL	DATE

Foreign Keys:

DISTR_ORG_UNIT_FK
ORG_UNIT_NO = ORG_UNIT.ORG_UNIT_NO
DISTR_SSPGXREF_FK
SCALE_SPECIES_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_SPECIES_CODE
SCALE_PRODUCT_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_PRODUCT_CODE
SCALE_GRADE_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_GRADE_CODE

Indexes:

DISTR_ORG_UNIT_FK_I
ORG_UNIT_NO
DISTR_SSPGXREF_FK_I
SCALE_SPECIES_CODE
SCALE_PRODUCT_CODE
SCALE_GRADE_CODE

Table: HBS_EDIT_ERR_CATEGORY_CODE*Description:*

Provides a code and a description of categories of error messages used to describe an edit error:

e.g.

FMT Format error

STR Structure error

RTE Rate error

DTE Date error

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HBS_EDIT_ERR_CATEGORY_CODE A code used to identify an error category for an edit error	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A text description of the code used to identify an error category for an edit error	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: HBS_EDIT_ERR_MESSAGE_CODE*Description:*

Provides a code and a description of messages used to describe an Edit Error.

HDBS Table-42 will be used as the basis (starting point) for the list of codes for this entity.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HBS_EDIT_ERR_MESSAGE_CODE A code used to identify an error message that an edit event may generate	NOT NULL	VARCHAR2(6)
* 2	HBS_EDIT_ERR_CATEGORY_CODE A code used to identify an error category for an edit error	NOT NULL	VARCHAR2(3)
3	HBS_EDIT_ERR_RESPONSIBLTY_CODE A code used to identify who is responsible for resolving an error	NOT NULL	VARCHAR2(1)
4	DESCRIPTION Message text describing an error message that an edit event may generate	NOT NULL	VARCHAR2(120)
5	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
6	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
7	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Foreign Keys:

EEMC_ECC_FK
 HBS_EDIT_ERR_CATEGORY_CODE =
 HBS_EDIT_ERR_CATEGORY_CODE.HBS_EDIT_ERR_CATEGORY_CODE
 EEMC_HEERC_FK
 HBS_EDIT_ERR_RESPONSIBLTY_CODE =
 HBS_EDIT_ERR_RESPONSIBLTY_CODE.HBS_EDIT_ERR_RESPONSIBLTY_CODE

Indexes:

EEMC_ECC_FK_I
 HBS_EDIT_ERR_CATEGORY_CODE
 EEMC_HEERC_FK_I
 HBS_EDIT_ERR_RESPONSIBLTY_CODE

Notes:

This entity does not adhere to the ministry code table standard, and will therefore not be maintained through the regular IMG code table maintenance/replication processes.

The business area maintenance processes will be responsible for maintaining the table values.

Table: HBS_EDIT_ERR_RESPONSIBLTY_CODE*Description:*

Describes the type of organization responsible for resolving errors.

e.g.

I - Industry

M - Misinstry

J - joint Ministry/Industry

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HBS_EDIT_ERR_RESPONSIBLTY_CODE A code used to identify who is responsible for resolving an error	NOT NULL	VARCHAR2(1)
2	DESCRIPTION A text description of a code used to identify who is responsible for resolving an error	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date at which a code becomes effective and available for use	NOT NULL	DATE
4	EXPIRY_DATE The date at which a code expires and is no longer effective or available for use	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to a code (includes the insert date)	NOT NULL	DATE

Table: HBS_FILE*Description:*

Captures physical representation of documents generated by HBS

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HBS_FILE_ID Surrogate key uniquely identifying a file	NOT NULL	NUMBER(32)
2	MIME_TYPE_CODE A code used to identify a type of format used to create a HBS report or data file	NOT NULL	VARCHAR2(3)
3	FILE_SENT_IND An indicator that a file has been delivered to the appropriate recipients	NOT NULL	VARCHAR2(1)
4	HBS_TS_VERSION_ID Schema transformation version id	NOT NULL	NUMBER(32)
5	FILE_TIMESTAMP The date and time at which the file was saved	NOT NULL	DATE
6	FILE_OBJECT The physical representation of the file (i.e. a blob object) <i>This field was specified with a Varchar2 data type but must be altered after transformation to a CLOB datatype (clob is not available as a data type)</i>	NULL	CLOB

Foreign Keys:

HBSFILE_HBSTSVER_FK
HBS_TS_VERSION_ID = HBS_TS_VERSION.HBS_TS_VERSION_ID
HBSFILE_MTC_FK
MIME_TYPE_CODE = MIME_TYPE_CODE.MIME_TYPE_CODE

Indexes:

HBSFILE_HBSTSVER_FK_I
HBS_TS_VERSION_ID
HBSFILE_MTC_FK_I
MIME_TYPE_CODE

Table: HBS_FREQUENCY_TYPE_CODE*Description:*

A code used to identify a type of frequency control to be used for the submission, summarization, and processing of scale data

DLY daily

WKLY weekly, on a given weekday (initialized by a profile start_date)

MNDY monthly, on a given day of the month

MNLD last day of month

MNTW twice monthly, on a given day of the month (initialized by a profile start_date)

and a day 15 days later

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HBS_FREQUENCY_TYPE_CODE A code used to identify a type of frequency control to be used for the submission, summarization, and processing of scale data	NOT NULL	VARCHAR2(4)
2	DESCRIPTION A textual description of a type of frequency control to be used for the submission, summarization, and processing of scale data	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Notes:

Frequency type restrictions

DLY - none

WKLY - none

MNDY - if selected day is 31, then same as MNLD

- if selected day is 30, then 28 (or 29) in February

MNLD - none

MNTW - first day must be between 1 and 15

- In February...

if first day + 15 is greater than the last day of the month

then the second day is the last day of the month

Table: HBS_MARK_HOLDER_PROFILE*Description:*

Captures client profile settings for a licensee with regard to statement processing frequency (i.e. when to create invoices and volume statements)

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MHPROF_ID A unique identifier (surrogate) for a mark holder profile	NOT NULL	NUMBER(32)
2	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NULL	VARCHAR2(8)
3	CLIENT_LOCN_CODE A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NULL	VARCHAR2(2)
4	HBS_RETURN_TYPE_CODE A code used to identify a type of scale return	NOT NULL	VARCHAR2(1)
5	HBS_FREQUENCY_TYPE_CODE A code used to identify a type of frequency control to be used for the submission, summarization, and processing of scale data	NOT NULL	VARCHAR2(4)
6	FORCED_SUMMARIZATION_DATE The next date that detail scale documents from a scale site will be processed into summary documents	NULL	DATE
7	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
8	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
9	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
10	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
11	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
12	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

MHPROF_CL_FK
 CLIENT_NUMBER = CLIENT_LOCATION.CLIENT_NUMBER
 CLIENT_LOCN_CODE = CLIENT_LOCATION.CLIENT_LOCN_CODE
 MHPROF_FREQTYP_FK
 HBS_FREQUENCY_TYPE_CODE = HBS_FREQUENCY_TYPE_CODE.HBS_FREQUENCY_TYPE_CODE
 MHPROF_HRTC_FK
 HBS_RETURN_TYPE_CODE = HBS_RETURN_TYPE_CODE.HBS_RETURN_TYPE_CODE

Indexes:

MHPROF_CL_FK_I
 CLIENT_NUMBER
 CLIENT_LOCN_CODE
 MHPROF_FREQTYP_FK_I
 HBS_FREQUENCY_TYPE_CODE
 MHPROF_HRTC_FK_I
 HBS_RETURN_TYPE_CODE

Table: HBS_MESSAGE*Description:*

Captures messages generated for the purposes of notifying a user of the processing of an application event.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MESSAGE_ID Surrogate key used to uniquely identify an instance of a message generated and sent by HBS	NOT NULL	NUMBER
2	CREATE_DATE The date that a HBS message was created	NOT NULL	DATE
3	MESSAGE_TYPE_CODE A code used to identify a type of message that is to be sent to a HBS user	NOT NULL	VARCHAR2(3)
4	MESSAGE_SUBJECT Message subject text to be entered as the subject line in an email	NOT NULL	VARCHAR2(120)
5	MESSAGE_CONTENT Message content text	NOT NULL	VARCHAR2(2000)

Foreign Keys:

HBS_HM_MSGTC_FK
MESSAGE_TYPE_CODE = MESSAGE_TYPE_CODE.MESSAGE_TYPE_CODE

Indexes:

HBS_HM_MSGTC_FK_I
MESSAGE_TYPE_CODE

Table: HBS_OBJECT_TYPE_CODE*Description:*

Describes HBS objects upon which action are performed (e.g. Users, Reports, Invoices, Scale Returns, etc...)

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HBS_OBJECT_TYPE_CODE A code used to identify a type of HBS object	NOT NULL	VARCHAR2(3)
2	DESCRIPTION Text description of a type of HBS object	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: HBS_OUTPUT_BATCH**Description:**

Represents a batch of scale return data being either delivered to the HBS or being bridged from HBS to the HDBS.
 A batch of scale return data that has passed all HBS editing and has been collected to be transmitted to the HDBS for invoic processing.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	BATCH_ID Surrogate key for uniquely identifying a batch	NOT NULL	NUMBER(32)
2	HBS_RETURN_TYPE_CODE A code used to identify a type of scale return	NULL	VARCHAR2(1)
3	TRANSMISSION_ID A surrogate key uniquely identifying a transmission	NULL	NUMBER(32)
4	OUTPUT_BATCH_STATUS_CODE A code used to describe the current state of an output batch that has been prepared for transmission to the HDBS	NOT NULL	VARCHAR2(3)
5	RETURN_COUNT A count of returns contained in a batch	NOT NULL	NUMBER(10)
6	SENT_DATE_TIME The date the batch was sent	NULL	DATE
7	RECORD_COUNT The number of records in a batch <i>For EDI input batches this number will be greater than the sum of the scale return header and detail records as it includes edi specific records as well.</i>	NOT NULL	NUMBER(10)
8	SENT_IND Indicates that the batch has been sent	NOT NULL	VARCHAR2(1)
9	RECONCILED_TXN_COUNT A count of transactions in a batch	NULL	NUMBER(10)
10	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
11	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE

Foreign Keys:

HBSOUTBAT_HDBSTR_FK
 TRANSMISSION_ID = HDBS_TRANSMISSION.TRANSMISSION_ID
 HBSOUTBAT_HRTC_FK
 HBS_RETURN_TYPE_CODE = HBS_RETURN_TYPE_CODE.HBS_RETURN_TYPE_CODE
 HBSOUTBAT_OBSC_FK
 OUTPUT_BATCH_STATUS_CODE = OUTPUT_BATCH_STATUS_CODE.OUTPUT_BATCH_STATUS_CODE

Indexes:

HBSOUTBAT_HDBSTR_FK_I
 TRANSMISSION_ID
 HBSOUTBAT_HRTC_FK_I
 HBS_RETURN_TYPE_CODE
 HBSOUTBAT_OBSC_FK_I
 OUTPUT_BATCH_STATUS_CODE

Notes:

A batch is either an input batch (i.e. received from an EDI trading partner) or an output batch (i.e. scale returns that have been received in an input batch and have been compiled into a processing batch for transmission to the HDBS)

*** OBSOLETE ***

Although this entity and its physical table are obsolete it is still being referenced and updated by HBS code

Table: HBS_PROCESSING_STATUS_CODE*Description:*

Tracks the current processing status:

e.g.

PRC Processing (In Progress)

CSA Completed Satisfactorily

CUS Completed Unsatisfactorily

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HBS_PROCESSING_STATUS_CODE A code used to describe the current state of a HBS Transmission	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A textual description of the code used to describe the current state of a HBS Transmission	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: HBS_PS_STATEMENT**Description:**

This entity represents the generation of a formal HBS statement (i.e. Invoices, volume statements, compiled sample statements, and ratio statements).

Provides a level of sub-typing that groups together all statement types excluding HBS Ratio Statements

This entity represents the generation of a formal piece scale invoice statment

This entity represents the generation of a formal piece scale volume statment

This entity represents the generation of a formal piece scale invoice or volume statement

Columns:

Seq.	Column	Nulls?	Type																																																								
* 1	STATEMENT_NUMBER A unique identifier generated for each statement. <i>To accomodate downstream systems the statement identifier will conform to the current format supported by HDBS (i.e. 7 character alphanumeric).</i> <i>To ensure a sufficient number of unique statement identifiers, given the aforementioned constraint, the following scheme will be implemented to identify the various types of documents</i>	NOT NULL	VARCHAR2(7)																																																								
	<table><tr><th>Statement type</th><th>pos 1</th><th>pos 2</th><th>pos 3</th><th>pos 4</th><th>pos 5</th><th>pos 6</th><th>pos 7</th></tr><tr><td>Piece Scale Invoices</td><td>Q, R, or S</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Weight Scale Invoices</td><td>X, Y, or Z</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Piece Scale Vol Stmt</td><td>L, M, or N</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Weight ScaleVol Stmt</td><td>T, U, or V</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Compiled Sample Stmt</td><td>B, C, or D</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Ratio Stmt</td><td>F, G, or H</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr></table>	Statement type	pos 1	pos 2	pos 3	pos 4	pos 5	pos 6	pos 7	Piece Scale Invoices	Q, R, or S	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Weight Scale Invoices	X, Y, or Z	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Piece Scale Vol Stmt	L, M, or N	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Weight ScaleVol Stmt	T, U, or V	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Compiled Sample Stmt	B, C, or D	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Ratio Stmt	F, G, or H	0-9, A-Z	0-9	0-9	0-9	0-9	0-9		
Statement type	pos 1	pos 2	pos 3	pos 4	pos 5	pos 6	pos 7																																																				
Piece Scale Invoices	Q, R, or S	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Weight Scale Invoices	X, Y, or Z	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Piece Scale Vol Stmt	L, M, or N	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Weight ScaleVol Stmt	T, U, or V	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Compiled Sample Stmt	B, C, or D	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Ratio Stmt	F, G, or H	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
2	PSSTMT_TYPE	NOT NULL	VARCHAR2(10)																																																								
3	TRX_ID A generated unique identifier for the a summary scale return transaction	NOT NULL	NUMBER(32)																																																								
4	CLIENT_NUMBER_SEND_TO Sequentially assigned number to identify a ministry client.	NOT NULL	VARCHAR2(8)																																																								
5	CLIENT_LOCN_CODE_SEND_TO A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NOT NULL	VARCHAR2(2)																																																								
6	CLIENT_NUMBER_COPY_TO Sequentially assigned number to identify a ministry client.	NULL	VARCHAR2(8)																																																								
7	CLIENT_LOCN_CODE_COPY_TO A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NULL	VARCHAR2(2)																																																								
8	HBS_FILE_ID Surrogate key uniquely identifying a file	NULL	NUMBER(32)																																																								
9	MIME_TYPE_CODE <i>This column was added to facilitate historical data in this column as it is no longer a component of the HBS_FILE table primary key.</i>	NULL	VARCHAR2(3)																																																								
10	SUMMARY_DOC_TYPE Identifies a statement for summary documents	NOT NULL	VARCHAR2(6)																																																								
11	ISSUE_DATE The date that the statement was generated by HBS	NOT NULL	DATE																																																								
12	TOTAL_VOLUME The total volume recorded for the summary scale statement	NOT NULL	NUMBER(15,3)																																																								
13	TOTAL_VALUE The total value recorded for the summary scale statement	NULL	NUMBER(15,2)																																																								
14	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)																																																								
15	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE																																																								

Foreign Keys:

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

PSSTMT_CL_FK
 CLIENT_NUMBER_COPY_TO = CLIENT_LOCATION.CLIENT_NUMBER
 CLIENT_LOCN_CODE_COPY_TO = CLIENT_LOCATION.CLIENT_LOCN_CODE
PSSTMT_CL_SENT_TO_FK
 CLIENT_NUMBER_SEND_TO = CLIENT_LOCATION.CLIENT_NUMBER
 CLIENT_LOCN_CODE_SEND_TO = CLIENT_LOCATION.CLIENT_LOCN_CODE
PSSTMT_HBSFILE_FK
 HBS_FILE_ID = HBS_FILE.HBS_FILE_ID
PSSTMT_PSTXN_FK
 TRX_ID = PIECE_SCL_SMRY_TXN.TRX_ID

Indexes:

PSSTMT_CL_FK_I
 CLIENT_NUMBER_COPY_TO
 CLIENT_LOCN_CODE_COPY_TO
PSSTMT_CL_SENT_TO_FK_I
 CLIENT_NUMBER_SEND_TO
 CLIENT_LOCN_CODE_SEND_TO
PSSTMT_HBSFILE_FK_I
 HBS_FILE_ID
PSSTMT_PSTXN_FK_I
 TRX_ID

Notes:

Each statement is identified by a unique identifier, generated by HBS, but conforming to downstream system constraints that the identifier be a 7 character alphanumeric

Table: HBS_RATIO_STATEMENT**Description:**

This entity represents the generation of a formal HBS statement (i.e. Invoices, volume statements, compiled sample statements, and ratio statements).

This entity represents the generation of a formal ratio statement

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>																																																								
* 1	STATEMENT_NUMBER A unique identifier generated for each statement. <i>To accomodate downstream systems the statement identifier will conform to the current format supported by HDBS (i.e. 7 character alphanumeric).</i> <i>To ensure a sufficient number of unique statement identifiers, given the aforementioned constraint, the following scheme will be implemented to identify the various types of documents</i>	NOT NULL	VARCHAR2(7)																																																								
	<table><tr><th>Statement type</th><th>pos 1</th><th>pos 2</th><th>pos 3</th><th>pos 4</th><th>pos 5</th><th>pos 6</th><th>pos 7</th></tr><tr><td>Piece Scale Invoices</td><td>Q, R, or S</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Weight Scale Invoices</td><td>X, Y, or Z</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Piece Scale Vol Stmt</td><td>L, M, or N</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Weight ScaleVol Stmt</td><td>T, U, or V</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Compiled Sample Stmt</td><td>B, C, or D</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Ratio Stmt</td><td>F, G, or H</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr></table>	Statement type	pos 1	pos 2	pos 3	pos 4	pos 5	pos 6	pos 7	Piece Scale Invoices	Q, R, or S	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Weight Scale Invoices	X, Y, or Z	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Piece Scale Vol Stmt	L, M, or N	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Weight ScaleVol Stmt	T, U, or V	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Compiled Sample Stmt	B, C, or D	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Ratio Stmt	F, G, or H	0-9, A-Z	0-9	0-9	0-9	0-9	0-9		
Statement type	pos 1	pos 2	pos 3	pos 4	pos 5	pos 6	pos 7																																																				
Piece Scale Invoices	Q, R, or S	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Weight Scale Invoices	X, Y, or Z	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Piece Scale Vol Stmt	L, M, or N	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Weight ScaleVol Stmt	T, U, or V	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Compiled Sample Stmt	B, C, or D	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Ratio Stmt	F, G, or H	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
2	HBS_FILE_ID Surrogate key uniquely identifying a file	NULL	NUMBER(32)																																																								
3	CLIENT_NUMBER_SEND_TO Sequentially assigned number to identify a ministry client.	NOT NULL	VARCHAR2(8)																																																								
4	CLIENT_LOCN_CODE_SEND_TO A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NOT NULL	VARCHAR2(2)																																																								
5	CLIENT_NUMBER_COPY_TO Sequentially assigned number to identify a ministry client.	NULL	VARCHAR2(8)																																																								
6	CLIENT_LOCN_CODE_COPY_TO A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NULL	VARCHAR2(2)																																																								
7	MIME_TYPE_CODE <i>This column was added to facilitate historical data in this column as it is no longer a component of the HBS_FILE table primary key.</i>	NULL	VARCHAR2(3)																																																								
8	ISSUE_DATE The date that the statement was generated by HBS	NOT NULL	DATE																																																								
9	COMPUTATION_PERIOD_START	NULL	DATE																																																								
10	COMPUTATION_PERIOD_END	NULL	DATE																																																								
11	RATIO_EFFECTIVE_DATE	NULL	DATE																																																								
12	RATIO_TYPE_CODE	NOT NULL	VARCHAR2(1)																																																								
13	STRATUM_PLAN_ID	NULL	NUMBER(32)																																																								
14	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)																																																								
15	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE																																																								

Foreign Keys:

RATIOSTMT_CL_FK

CLIENT_NUMBER_COPY_TO = CLIENT_LOCATION.CLIENT_NUMBER

CLIENT_LOCN_CODE_COPY_TO = CLIENT_LOCATION.CLIENT_LOCN_CODE

RATIOSTMT_CL_SENT_TO_FK

CLIENT_NUMBER_SEND_TO = CLIENT_LOCATION.CLIENT_NUMBER

CLIENT_LOCN_CODE_SEND_TO = CLIENT_LOCATION.CLIENT_LOCN_CODE

RATIOSTMT_HBSFILE_FK

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

HBS_FILE_ID = HBS_FILE.HBS_FILE_ID
RATIOSTMT_RTC_FK
RATIO_TYPE_CODE = RATIO_TYPE_CODE.RATIO_TYPE_CODE
RATIOSTMT_STRATPLAN_FK
STRATUM_PLAN_ID = STRATUM_PLAN.STRATUM_PLAN_ID

Indexes:

RATIOSTMT_CL_FK_I
CLIENT_NUMBER_COPY_TO
CLIENT_LOCN_CODE_COPY_TO
RATIOSTMT_CL_SENT_TO_FK_I
CLIENT_NUMBER_SEND_TO
CLIENT_LOCN_CODE_SEND_TO
RATIOSTMT_HBSFILE_FK_I
HBS_FILE_ID
RATIOSTMT_RTC_FK_I
RATIO_TYPE_CODE
RATIOSTMT_STRATPLAN_FK_I
STRATUM_PLAN_ID

Notes:

Each statement is identified by a unique identifier, generated by HBS, but conforming to downstream system constraints that the identifier be a 7 character alphanumeric

Table: HBS_REFRESH_MBC_LOG*Description:*

Application table recording the time and row counts for Mark Billed Cli table refresh processing

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	BEGIN_TIME A the date and time the MBC refresh process started	NOT NULL	DATE
2	END_TIME A the date and time the MBC refresh process completed	NOT NULL	DATE
3	RUN_BY The process or user that ran/initiated the MBC refresh process	NOT NULL	VARCHAR2(30)
4	ROWCOUNT The number of rows inserted into the Mark Billed Cli table as a result of the refresh	NOT NULL	NUMBER(10)

Table: HBS_REPORT_CODE*Description:*

Identifies a HBS report

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HBS_REPORT_CODE Unique identifier for an HBS report	NOT NULL	VARCHAR2(8)
2	DESCRIPTION Text description of an HBS report	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: HBS_REPORT_LOG**Description:**

Records information about requests for HBS reports by Ministry, Industry and public users.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	REQUEST_ID	NOT NULL	NUMBER
	Surrogate key used to uniquely identify an instance of a request for a HBS report		
2	USER_ID	NULL	VARCHAR2(30)
	A userid by a HBS user is identified to the application		
3	HBS_REPORT_CODE	NOT NULL	VARCHAR2(8)
	Unique identifier for an HBS report		
4	REQUEST_DATE	NOT NULL	DATE
	Date a HBS was requested		
5	COMPLETED_DATE	NULL	DATE
	The date at which the report has been completed		
6	HBS_REPORT_STATUS_CODE	NOT NULL	VARCHAR2(3)
	A code used to describes the current state of a a request for a HBS report		
7	MIME_TYPE_CODE	NOT NULL	VARCHAR2(3)
	A code used to identify a type of format used to create a HBS report or data file		
8	CLIENT_NUMBER	NULL	VARCHAR2(8)
9	CLIENT_LOCN_CODE	NULL	VARCHAR2(2)
10	REQUEST_URL	NOT NULL	VARCHAR2(2000)
	The URL used to generate the report		
	<i>Not implemented, due to Crystal Server and WEBADE issues</i>		
11	REPORT_URL	NULL	VARCHAR2(2000)
	The URL from where the report may be retrieved		
	<i>Not implemented, due to Crystal Server and WEBADE issues</i>		

Foreign Keys:

HBS_HRL_CL_FK

CLIENT_LOCN_CODE = CLIENT_LOCATION.CLIENT_LOCN_CODE

CLIENT_NUMBER = CLIENT_LOCATION.CLIENT_NUMBER

HBS_HRL_HBS_HU_FK

USER_ID = HBS_USER.USER_ID

HBS_HRL_HRC_FK

HBS_REPORT_CODE = HBS_REPORT_CODE.HBS_REPORT_CODE

HBS_HRL_HRSC_FK

HBS_REPORT_STATUS_CODE = HBS_REPORT_STATUS_CODE.HBS_REPORT_STATUS_CODE

HBS_HRL_MTC_FK

MIME_TYPE_CODE = MIME_TYPE_CODE.MIME_TYPE_CODE

Indexes:

HBS_HRL_HBS_HU_FK_I

USER_ID

HBS_HRL_HRC_FK_I

HBS_REPORT_CODE

HBS_HRL_HRSC_FK_I

HBS_REPORT_STATUS_CODE

HBS_HRL_MTC_FK_I

MIME_TYPE_CODE

Table: HBS_REPORT_STATUS_CODE*Description:*

Describes the state of a report request (e.g. Processing, Cancelled, Completed, etc.)

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HBS_REPORT_STATUS_CODE A code used to describes the current state of a a request for a HBS report	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A textual description of the current state of a request for a HBS report	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: HBS_REQUEST_STATUS_CODE*Description:*

Describes the current state of a HBS user request (e.g. 'Received', 'Accepted', 'Rejected', 'Confirmed')

Received - new request

Accepted - HBS Account Manager has Ok'd the processing of the request

Rejected - HBS Account Manager has rejected the request

Confirmed - HBS Account Manager has posted the request details

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HBS_REQUEST_STATUS_CODE	NOT NULL	VARCHAR2(3)
	A code used to describe the current state of a request for new or updated HBS user information		
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
	A textual description of the current state of a request for new or updated HBS user information		
3	EFFECTIVE_DATE	NOT NULL	DATE
	The date the code becomes effective.		
4	EXPIRY_DATE	NOT NULL	DATE
	The date after which the code is no longer available for use.		
5	UPDATE_TIMESTAMP	NOT NULL	DATE
	The date and time the record was last modified.		

Table: HBS_REQUEST_TYPE_CODE*Description:*

Describes the type of action be requested for a HBS user ('Insert', 'Update', 'Delete')

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HBS_REQUEST_TYPE_CODE A code used to identify a type of HBS user request (i.e. add delete update)	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A textual description of a type of HBS user request (i.e. add delete update)	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: HBS_RETURN_TYPE_CODE*Description:*

Describes the summary return type:

e.g.

W weight scale

P piece scale

S sample scale

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HBS_RETURN_TYPE_CODE A code used to identify a type of scale return	NOT NULL	VARCHAR2(1)
2	DESCRIPTION Text describing a type of scale return	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: HBS_SAMPLE_TYPE_CODE*Description:*

Identifies a type of sample taken for a weigh slip:

e.g.

N None

C Company Use

F Forced

R Random

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HBS_SAMPLE_TYPE_CODE A code used to identify the type of sample taken for a Weigh Slip e.g. N None C Company Use F Forced R Random	NOT NULL	VARCHAR2(1)
2	DESCRIPTION A text description of the code used to identify the type of sample taken for a Weigh Slip e.g. N None C Company Use F Forced R Random	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: HBS_SCALER_AUTH_KEY**Description:**

Extends a scaler's Quant Licence information for the purpose of providing the HBS application with a scaler's authentication key information

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HSAK_ID A unique identifier (surrogate) for a scaler authorization key	NOT NULL	NUMBER(32)
2	USER_ID A userid by a HBS user is identified to the application	NULL	VARCHAR2(30)
3	CLIENT_NUMBER Sequentially assigned number to identify a ministry client. <i>This column will be used as a foreign key to the SCALER table in which CLIENT NUMBER is a unique key but not the primary key</i>	NOT NULL	VARCHAR2(8)
4	AUTHENTICATION_KEY A scaler's authentication key (including check digit) that will be used to generate a digital signature. <i>A scaler's assigned authentication key may differ from the requested authentication key if the addition of the check digit results in an objectionable word or phrase.</i>	NOT NULL	VARCHAR2(10)
5	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
6	EXPIRY_DATE The date after which the code is no longer available for use.	NULL	DATE
7	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
8	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
9	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
10	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

SAKEHT_HBS_HU_FK
USER_ID = HBS_USER.USER_ID
SAKEHT_SCLR_CLI_FK
CLIENT_NUMBER = SCALER.CLIENT_NUMBER

Indexes:

SAKEHT_HBS_HU_FK_I
USER_ID
SAKEHT_SCA_FK_I

Table: HBS_SCALE_RETURN*Description:*

Provides the identification for a single instance of a summary scale return

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DOCUMENT_CONTROL_NUMBER Uniquely identifies a scale return	NOT NULL	NUMBER(10)
2	EDI_BATCH_ID *** OBSOLETE ***	NULL	NUMBER(32)
3	VOLEST_BATCH_ID *** OBSOLETE ***	NULL	NUMBER(32)
4	EDI_DOC_ID *** OBSOLETE ***	NULL	NUMBER(32)
5	HBS_RETURN_TYPE_CODE A code used to identify a type of scale return	NOT NULL	VARCHAR2(1)
6	SCALE_RETURN_STATE_CODE A code used to describe the current state of a summary scale return	NOT NULL	VARCHAR2(3)
7	GENERATED_SUMMARY_IND Indicates if a summary scale return was generated from detail scale returns	NOT NULL	VARCHAR2(1)
8	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
9	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
10	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
11	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

HBSSR_HRTC_FK

HBS_RETURN_TYPE_CODE = HBS_RETURN_TYPE_CODE.HBS_RETURN_TYPE_CODE

HBSSR_SCLRTNSTAT_FK

SCALE_RETURN_STATE_CODE = SCALE_RETURN_STATE_CODE.SCALE_RETURN_STATE_CODE

Indexes:

HBSSR_HRTC_FK_I

HBS_RETURN_TYPE_CODE

HBSSR_SCLRTNSTAT_FK_I

SCALE_RETURN_STATE_CODE

Table: HBS_SCALE_RETURN_AUDIT*Description:*

Records a history of business actions performed on a specific field of a scale return or scale return segregation.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	AUDIT_ID Surrogate key used to uniquely identify HBS audit events	NOT NULL	NUMBER
* 2	FIELD_NAME Identifies a scale return, or scale return segregation, field that has been modified	NOT NULL	VARCHAR2(240)
3	ACTION_TYPE_CODE A code used to describe the action being applied to an object for audit purposes e.g Upd - update Del - delete Ins - insert etc	NOT NULL	VARCHAR2(3)
4	HBS_OBJECT_TYPE_CODE A code used to identify a type of HBS object	NOT NULL	VARCHAR2(3)
5	OLD_VALUE The value of the field prior to the modification	NULL	VARCHAR2(240)
6	NEW_VALUE The value of the field as a result of the modification	NULL	VARCHAR2(240)

Foreign Keys:

SCLRETAUDT_ATC_FK
ACTION_TYPE_CODE = ACTION_TYPE_CODE.ACTION_TYPE_CODE

SCLRETAUDT_HBS_HA_FK
AUDIT_ID = HBS_AUDIT.AUDIT_ID

SCLRETAUDT_HOTC1_FK
HBS_OBJECT_TYPE_CODE = HBS_OBJECT_TYPE_CODE.HBS_OBJECT_TYPE_CODE

Indexes:

SCLRETAUDT_ATC_FK_I
ACTION_TYPE_CODE

SCLRETAUDT_HBS_HA_FK_I
AUDIT_ID

SCLRETAUDT_HOTC1_FK_I
HBS_OBJECT_TYPE_CODE

Table: HBS_SFP_SCALE_TYPE_CODE*Description:*

Provides identifiers for the method used to scale special forest product:

L - log

C - count

K - stack

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HBS_SFP_SCALE_TYPE_CODE A code used to identify a method scaling special forest products	NOT NULL	VARCHAR2(1)
2	DESCRIPTION A textual description of a method used to scale special forest products	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: HBS_STATEMENT_NUMBER*Description:*

This entity will be used to store the last statement number used for each statement type.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STMT_TYPE This attribute identifies the type of statement associated with each statement number last used. Valid values are as follows: PSI PSV WSI WSV COMPSMPL RATIOSTMT <i>the statement types have been taken from the short name from each statement entity and statement entity sub-types.</i>	NOT NULL	VARCHAR2(10)
* 2	STMT_NUMBER_PREFIX The first character in a statement number as appropriate for the statement type. PSI Q, R, and S PSV L, M, and N WSI X, Y, and Z WSV T, U, and V COMPSMPL B, C, and D RATIOSTMT F, G, and H	NOT NULL	VARCHAR2(1)
* 3	STMT_NUMBER_SUB_PREFIX The second character in a statement number as appropriate for the statement type. Values for this attribute are 0-9, A-Z	NOT NULL	VARCHAR2(1)
4	STMT_NUMBER The last numeric suffix used for a specific statement type	NOT NULL	NUMBER(5)

Notes:

The table implemented for this entity will only ever contain 6 rows, one for each statement type

Table: HBS_TS_VERSION*Description:*

Records transformation schema versions

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HBS_TS_VERSION_ID Schema transformation version id	NOT NULL	NUMBER(32)
2	SCHEMA_VERSION Schema transformation schema number information	NOT NULL	VARCHAR2(80)
3	TRANS_VERSION Schema transformation version number information	NOT NULL	VARCHAR2(80)

Table: HBS_TXN_STATUS_CODE*Description:*

Tracks the current status of a summary scale return transaction:

e.g.

EXT Scale Return Transaction created and bridged

OIV Transaction reconciled to an HDBS-generated Invoice

FAL Transaction not reconciled, HDBS invoice failed

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HBS_TXN_STATUS_CODE A code used to describe the current state of a summary scale return transaction	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A textual description of the current state of a summary scale return transaction	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: HBS_TXN_TYPE_CODE*Description:*

Identifies a type of transaction being applied to a scale return:

e.g.

ORG Original

CAN Exact Cancel

RWC Replace With Changes

RWN Replace With No Changes

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HBS_TXN_TYPE_CODE A code used to identify the type of transaction generated for a summary scale return version	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A textual description of a code used to identify the type of transaction generated for a summary scale return version	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: HBS_USER**Description:**

Any person having been granted access to the HBS application and data

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	USER_ID A userid by a HBS user is identified to the application	NOT NULL	VARCHAR2(30)
2	HBS_USER_TYPE_CODE A code used to identify a type of HBS user	NOT NULL	VARCHAR2(3)
3	HBS_USER_STATUS_CODE A code used to identify a user's status within the HBS application	NOT NULL	VARCHAR2(3)
4	LAST_NAME A HBS user's last name	NOT NULL	VARCHAR2(40)
5	FIRST_NAME A HBS user's first name	NOT NULL	VARCHAR2(40)
6	MIDDLE_INITIAL A HBS user's middle initial <i>It is understood that not all users will have a middle initial but the information is required by the Ministry security applications and a placeholder will be supplied by the Ministry in these cases</i>	NOT NULL	VARCHAR2(1)
7	PHONE The phone number where a HBS user can be contacted	NOT NULL	VARCHAR2(10)
8	EMAIL The email address that a HBS user has identified as their destination for electronic HBS correspondence	NOT NULL	VARCHAR2(128)
9	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NULL	VARCHAR2(8)
10	CLIENT_LOCN_CODE A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NULL	VARCHAR2(2)
11	ORG_UNIT_NO Unique physical identifier for the storage of organizational unitcodes for the Ministry of Forests' offices. Values stored here are forthe computer's use only, and are not to be used by people as "ministry codes".	NULL	NUMBER(10)

Foreign Keys:

HBS_HU_CL_FK
 CLIENT_NUMBER = CLIENT_LOCATION.CLIENT_NUMBER
 CLIENT_LOCN_CODE = CLIENT_LOCATION.CLIENT_LOCN_CODE
 HBS_HU_HUSC_FK
 HBS_USER_STATUS_CODE = HBS_USER_STATUS_CODE.HBS_USER_STATUS_CODE
 HBS_HU_HUTC_FK
 HBS_USER_TYPE_CODE = HBS_USER_TYPE_CODE.HBS_USER_TYPE_CODE
 HBS_HU_ORG_UNIT_FK
 ORG_UNIT_NO = ORG_UNIT.ORG_UNIT_NO

Indexes:

HBS_HU_CL_FK_I
 CLIENT_NUMBER
 CLIENT_LOCN_CODE
 HBS_HU_HUSC_FK_I
 HBS_USER_STATUS_CODE
 HBS_HU_HUTC_FK_I
 HBS_USER_TYPE_CODE
 HBS_HU_ORG_UNIT_FK_I
 ORG_UNIT_NO

Notes:

Subtype resolution will be resolved as a single table with a discriminator column. For greater clarity the relationship to the HBS_USER_TYPE_CODE will be used in place of the generated descriminator.

Table: HBS_USER_CLI_LOC_DATA_DOMAIN*Description:*

This entity describes which users have been assigned to receive HBS output on behalf of a ministry client, at a specific location

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	USER_ID A userid by a HBS user is identified to the application	NOT NULL	VARCHAR2(30)
* 2	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NOT NULL	VARCHAR2(8)
* 3	CLIENT_LOCN_CODE A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NOT NULL	VARCHAR2(2)

Foreign Keys:

HUCLDD_CL_FK
CLIENT_NUMBER = CLIENT_LOCATION.CLIENT_NUMBER
CLIENT_LOCN_CODE = CLIENT_LOCATION.CLIENT_LOCN_CODE
HUCLDD_HBS_HU_FK
USER_ID = HBS_USER.USER_ID

Indexes:

HUCLDD_CL_FK_I
CLIENT_NUMBER
CLIENT_LOCN_CODE
HUCLDD_HBS_HU_FK_I
USER_ID

Table: HBS_USER_DIST_DATA_DOMAIN*Description:*

This entity describes which districts a HBS ministry user can perform the billing functions granted to them, for a given HBS role.

The ministry roles constrained by this entity are:

MBA Ministry Billing Administrator

MCA Ministry Correction Approval

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ORG_UNIT_NO	NOT NULL	NUMBER(10)
	Unique physical identifier for the storage of organizational unitcodes for the Ministry of Forests' offices. Values stored here are forthe computer's use only, and are not to be used by people as "ministry codes".		
* 2	USER_ID	NOT NULL	VARCHAR2(30)
	A userid by a HBS user is identified to the application		

Foreign Keys:

HBSUDISTDD_HBS_HU_FK

USER_ID = HBS_USER.USER_ID

HBSUDISTDD_ORG_UNIT_FK

ORG_UNIT_NO = ORG_UNIT.ORG_UNIT_NO

Indexes:

HBSUDISTDD_HBS_HU_FK_I

USER_ID

HBSUDISTDD_ORG_UNIT_FK_I

ORG_UNIT_NO

Notes:

The user/role information is captured in WEBADE and is not available to this model.

The constraints ensuring the proper user/role/district assignments will be implemented programatically in the application.

Table: HBS_USER_MESSAGE*Description:*

Captures the instance of a HBS_Message being sent to a user.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	USER_MESSAGE_ID	NOT NULL	NUMBER
	Surrogate key used to uniquely identify an instance of a user receiving a HBS generated message		
2	MESSAGE_ID	NOT NULL	NUMBER
	Surrogate key used to uniquely identify an instance of a message generated and sent by HBS		
3	MESSAGE_STATUS_CODE	NOT NULL	VARCHAR2(3)
	A code used to identify the state of a message that has been sent to a HBS user		
4	USER_ID	NULL	VARCHAR2(30)
	A userid by a HBS user is identified to the application		
5	SENT_TO_EMAIL	NOT NULL	VARCHAR2(128)
	The email address to which a HBS has been sent		
6	SENT_DATE	NULL	DATE
	The date/time that a message was sent to a HBS user		
7	USER_MESSAGE_ID_SUPERCEDED_BY	NULL	NUMBER
	Surrogate key used to uniquely identify an instance of a user receiving a HBS generated message		

Foreign Keys:

HBS_HUM_HBS_HM_FK
MESSAGE_ID = HBS_MESSAGE.MESSAGE_ID

HBS_HUM_HBS_HUM_FK
USER_MESSAGE_ID_SUPERCEDED_BY = HBS_USER_MESSAGE.USER_MESSAGE_ID

HBS_HUM_HBS_HU_FK
USER_ID = HBS_USER.USER_ID

HBS_HUM_MSC_FK
MESSAGE_STATUS_CODE = MESSAGE_STATUS_CODE.MESSAGE_STATUS_CODE

Indexes:

HBS_HUM_HBS_HM_FK_I
MESSAGE_ID

HBS_HUM_HBS_HUM_FK_I
USER_MESSAGE_ID_SUPERCEDED_BY

HBS_HUM_HBS_HU_FK_I
USER_ID

HBS_HUM_MSC_FK_I
MESSAGE_STATUS_CODE

Table: HBS_USER_REQUEST*Description:*

A request for a new HBS user access or a change to an existing HBS user's account information

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	REQUEST_ID	NOT NULL	NUMBER
	Surrogate key used to uniquely identify a request to add or update HBS user information		
2	USER_ID	NULL	VARCHAR2(30)
	A userid by a HBS user is identified to the application		
3	LAST_NAME	NOT NULL	VARCHAR2(40)
	The last name of the person for whom the request is being made		
4	FIRST_NAME	NOT NULL	VARCHAR2(40)
	The first name of the person for whom the request is being made		
5	MIDDLE_INITIAL	NOT NULL	VARCHAR2(1)
	The middle initial of the person for whom the request is being made		
6	EMAIL	NOT NULL	VARCHAR2(128)
	The email address of the person for whom the request is being made		
7	PHONE	NOT NULL	VARCHAR2(10)
	The first name of the person for whom the request is being made		
8	EXISTING_USERID	NULL	VARCHAR2(30)
	The first name of the person for whom the request is being made		
9	REQUESTED_DATE	NOT NULL	DATE
	The date the user request was initiated		
10	HBS_USER_TYPE_CODE	NOT NULL	VARCHAR2(3)
	A code used to identify a type of HBS user		
11	HBS_REQUEST_TYPE_CODE	NOT NULL	VARCHAR2(3)
	A code used to identify a type of HBS user request (i.e. add delete update)		
12	HBS_REQUEST_STATUS_CODE	NOT NULL	VARCHAR2(3)
	A code used to describe the current state of a request for new or updated HBS user information		
13	CLIENT_NUMBER	NULL	VARCHAR2(8)
	Sequentially assigned number to identify a ministry client.		
14	CLIENT_LOCN_CODE	NULL	VARCHAR2(2)
	A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.		
15	ORG_UNIT_NO	NULL	NUMBER(10)
	Unique physical identifier for the storage of organizational unitcodes for the Ministry of Forests' offices. Values stored here are forthe computer's use only, and are not to be used by people as "ministry codes".		
16	UPDATE_USERID	NOT NULL	VARCHAR2(30)
	The USERID of the individual who last updated the information.		
17	UPDATE_TIMESTAMP	NOT NULL	DATE
	The date and time the record was last modified.		
18	ADD_USERID	NOT NULL	VARCHAR2(30)
	The HBS user id of the user adding the request into HBS		
19	ADD_TIMESTAMP	NOT NULL	DATE
	The date and time that the request record was added to the database		
20	ADMIN_COMMENTS	NULL	VARCHAR2(2000)
	A text string capturing any miscellaneous comments of the administrator		
21	REQUESTOR_COMMENTS	NULL	VARCHAR2(2000)
	A text string capturing any miscellaneous comments of the requestor		

Foreign Keys:

HBS_HUR_CL_FK

CLIENT_NUMBER = CLIENT_LOCATION.CLIENT_NUMBER

CLIENT_LOCN_CODE = CLIENT_LOCATION.CLIENT_LOCN_CODE

HBS_HUR_HBS_HU_FK

USER_ID = HBS_USER.USER_ID

HBS_HUR_HREQSC_FK

HBS_REQUEST_STATUS_CODE = HBS_REQUEST_STATUS_CODE.HBS_REQUEST_STATUS_CODE

HBS_HUR_HREQTC_FK

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

HBS_REQUEST_TYPE_CODE = HBS_REQUEST_TYPE_CODE.HBS_REQUEST_TYPE_CODE
HBS_HUR_HUTC_FK
HBS_USER_TYPE_CODE = HBS_USER_TYPE_CODE.HBS_USER_TYPE_CODE
HBS_HUR_ORG_UNIT_FK
ORG_UNIT_NO = ORG_UNIT.ORG_UNIT_NO

Indexes:

HBS_HUR_CL_FK_I
CLIENT_NUMBER
CLIENT_LOCN_CODE
HBS_HUR_HBS_HU_FK_I
USER_ID
HBS_HUR_HREQSC_FK_I
HBS_REQUEST_STATUS_CODE
HBS_HUR_HREQTC_FK_I
HBS_REQUEST_TYPE_CODE
HBS_HUR_HUTC_FK_I
HBS_USER_TYPE_CODE
HBS_HUR_ORG_UNIT_FK_I
ORG_UNIT_NO

Table: HBS_USER_REQUEST_ROLE*Description:*

A HBS role requested for a user on an HBS User Request

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	REQUEST_ID	NOT NULL	NUMBER
	Surrogate key used to uniquely identify a request to add or update HBS user information		
* 2	APPLICATION_ACRONYM	NOT NULL	VARCHAR2(30)
	The acronym of the application the user is requesting access to		
* 3	ROLE_NAME	NOT NULL	VARCHAR2(50)
	The data access role that the user is requesting		

Foreign Keys:

HBS_HURR_HBS_HUR_FK
REQUEST_ID = HBS_USER_REQUEST.REQUEST_ID

Indexes:

HBS_HURR_HBS_HUR_FK_I
REQUEST_ID

Table: HBS_USER_SITE_DATA_DOMAIN*Description:*

This entity describes which sites a HBS client or ministry user can perform the billing functions granted to them, for a given HBS role.

The ministry roles constrained by this entity are:

MSA Ministry Scaling Administrator

CPA Client Profile Administrator

The client roles constrained by this entity are:

ISA Industry Scaling Administrator

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SCALE_SITE_ID_NMBR An alphanumeric code used to uniquely identify a scale site.	NOT NULL	VARCHAR2(4)
* 2	USER_ID A userid by a HBS user is identified to the application	NOT NULL	VARCHAR2(30)

Foreign Keys:

HBSSITEDD_HBS_HU_FK

USER_ID = HBS_USER.USER_ID

HBSSITEDD_SS_FK

SCALE_SITE_ID_NMBR = SCALE_SITE.SCALE_SITE_ID_NMBR

Indexes:

HBSSITEDD_HBS_HU_FK_I

USER_ID

HBSSITEDD_SS_FK_I

SCALE_SITE_ID_NMBR

Notes:

The user/role information is captured in WEBADE and is not available to this model.

The constraints ensuring the proper user/role/site assignments will be implemented programatically in the application.

Table: HBS_USER_STATUS_CODE*Description:*

Indicates if an HBS user is Active or Inactive

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HBS_USER_STATUS_CODE A code used to identify a user's status within the HBS application	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A text description of a code used to identify a users status within the HBS application	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: HBS_USER_TYPE_CODE*Description:*

Identifies a type of HBS user (i.e. MOF- Ministry User, CLIENT - Client or Industry User)

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HBS_USER_TYPE_CODE A code used to identify a type of HBS user	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A text description of a code used to identify a type of HBS user	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: HBS_WS_STATEMENT**Description:**

This entity represents the generation of a formal HBS statement (i.e. Invoices, volume statements, compiled sample statements, and ratio statements).

Provides a level of sub-typing that groups together all statement types excluding HBS Ratio Statements

This entity represents the generation of a formal weight scale volume statment

This entity represents the generation of a formal wieght scale invoice statment

This entity represents the generation of formal weight scale invoices and volume statments

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>																																																								
* 1	STATEMENT_NUMBER A unique identifier generated for each statement. <i>To accomodate downstream systems the statement identifier will conform to the current format supported by HDBS (i.e. 7 character alphanumeric).</i> <i>To ensure a sufficient number of unique statement identifiers, given the aforementioned constraint, the following scheme will be implemented to identify the various types of documents</i>	NOT NULL	VARCHAR2(7)																																																								
	<table><tr><th>Statement type</th><th>pos 1</th><th>pos 2</th><th>pos 3</th><th>pos 4</th><th>pos 5</th><th>pos 6</th><th>pos 7</th></tr><tr><td>Piece Scale Invoices</td><td>Q, R, or S</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Weight Scale Invoices</td><td>X, Y, or Z</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Piece Scale Vol Stmt</td><td>L, M, or N</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Weight ScaleVol Stmt</td><td>T, U, or V</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Compiled Sample Stmt</td><td>B, C, or D</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Ratio Stmt</td><td>F, G, or H</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr></table>	Statement type	pos 1	pos 2	pos 3	pos 4	pos 5	pos 6	pos 7	Piece Scale Invoices	Q, R, or S	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Weight Scale Invoices	X, Y, or Z	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Piece Scale Vol Stmt	L, M, or N	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Weight ScaleVol Stmt	T, U, or V	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Compiled Sample Stmt	B, C, or D	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	Ratio Stmt	F, G, or H	0-9, A-Z	0-9	0-9	0-9	0-9	0-9		
Statement type	pos 1	pos 2	pos 3	pos 4	pos 5	pos 6	pos 7																																																				
Piece Scale Invoices	Q, R, or S	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Weight Scale Invoices	X, Y, or Z	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Piece Scale Vol Stmt	L, M, or N	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Weight ScaleVol Stmt	T, U, or V	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Compiled Sample Stmt	B, C, or D	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
Ratio Stmt	F, G, or H	0-9, A-Z	0-9	0-9	0-9	0-9	0-9																																																				
2	WSSTMT_TYPE	NOT NULL	VARCHAR2(10)																																																								
3	TRX_ID A generated unique identifier for the a summary scale return transaction	NOT NULL	NUMBER(32)																																																								
4	CLIENT_NUMBER_SEND_TO Sequentially assigned number to identify a ministry client.	NOT NULL	VARCHAR2(8)																																																								
5	CLIENT_LOCN_CODE_SEND_TO A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NOT NULL	VARCHAR2(2)																																																								
6	CLIENT_NUMBER_COPY_TO Sequentially assigned number to identify a ministry client.	NULL	VARCHAR2(8)																																																								
7	CLIENT_LOCN_CODE_COPY_TO A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NULL	VARCHAR2(2)																																																								
8	HBS_FILE_ID Surrogate key uniquely identifying a file	NULL	NUMBER(32)																																																								
9	MIME_TYPE_CODE <i>This column was added to facilitate historical data in this column as it is no longer a component of the HBS_FILE table primary key.</i>	NULL	VARCHAR2(3)																																																								
10	TOTAL_VOLUME The total volume recorded for the summary scale statement	NOT NULL	NUMBER(15,3)																																																								
11	ISSUE_DATE The date that the statement was generated by HBS	NOT NULL	DATE																																																								
12	TOTAL_VALUE The total value recorded for the summary scale statement	NULL	NUMBER(15,2)																																																								
13	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)																																																								
14	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE																																																								

Foreign Keys:

WSSTMT_CL_FK

CLIENT_NUMBER_COPY_TO = CLIENT_LOCATION.CLIENT_NUMBER

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

CLIENT_LOCN_CODE_COPY_TO = CLIENT_LOCATION.CLIENT_LOCN_CODE
WSSTMT_CL_SENT_TO_FK
CLIENT_NUMBER_SEND_TO = CLIENT_LOCATION.CLIENT_NUMBER
CLIENT_LOCN_CODE_SEND_TO = CLIENT_LOCATION.CLIENT_LOCN_CODE
WSSTMT_HBSFILE_FK
HBS_FILE_ID = HBS_FILE.HBS_FILE_ID
WSSTMT_WSSMRYTXN_FK
TRX_ID = WEIGHT_SCL_SMRY_TXN.TRX_ID

Indexes:

WSSTMT_CL_FK_I
CLIENT_NUMBER_COPY_TO
CLIENT_LOCN_CODE_COPY_TO
WSSTMT_CL_SENT_TO_FK_I
CLIENT_NUMBER_SEND_TO
CLIENT_LOCN_CODE_SEND_TO
WSSTMT_HBSFILE_FK_I
HBS_FILE_ID
WSSTMT_WSSMRYTXN_FK_I
TRX_ID

Notes:

Each statement is identified by a unique identifier, generated by HBS, but conforming to downstream system constraints that the identifier be a 7 character alphanumeric

Table: HBS_XML_PURGE_STATUS_CODE*Description:*

A status code used to describe the disposition of the physical file submitted to HBS.

These files are moved or purged from the file server directory structure for performance considerations

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HBS_XML_PURGE_STATUS_CODE A code used to identify the disposition (status) of a file recieved by HBS, which is to be purged after a prescribed time period. e.g. NOD - No Directory NOF - No File NOU - No Org Unit PRG - Purged	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A text description of a code used to describe the disposition (status) of a file recieved by HBS, which is to be purged after a prescribed time period.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date at which a code becomes effective and available for use	NOT NULL	DATE
4	EXPIRY_DATE The date at which a code expires and is no longer effective or available for use	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to a code (includes the insert date)	NOT NULL	DATE

Table: HBS_XML_TRANS_STEP_CODE*Description:*

Identifies the current processing step an XML transmission:

e.g.

UNP Unpack (Read XML File and Create Scale Return Records)

HBE HBS Edits (Validate Scale Returns)

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	HBS_XML_TRANS_STEP_CODE A code used to describe the current processing step of a XML Transmission	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A text description of the code used to identify the current processing step of a XML Transmission	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: HDBS_TRANSMISSION*Description:*

This entity captures information pertaining to a physical data file being transmitted from or to the HBS.

A sub-type of the HBS Outgoing Transmission entity...

This entity captures information pertaining to a physical data file containing HDBS style scale returns that is to be transmitted to the HDBS.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TRANSMISSION_ID A surrogate key uniquely identifying a transmission	NOT NULL	NUMBER(32)
2	HBS_PROCESSING_STATUS_CODE A code used to describe the current state of a HBS Transmission	NOT NULL	VARCHAR2(3)
3	FAILURE_REASON A text description of the cause for a transmission failure	NULL	VARCHAR2(240)
4	FILE_NAME The name of the physical file stored on the server that contains the transmission data	NOT NULL	VARCHAR2(100)
5	FILE_DATETIME The date and time the file was created	NOT NULL	DATE
6	BATCH_COUNT a count of batches to be sent in a transmission	NOT NULL	NUMBER(10)
7	RECORD_COUNT a count of records to be sent in a transmissino	NOT NULL	NUMBER(10)
8	HDBS_RETURN_COUNT The number of summary scale returns being transmitted to the HDBS in the transmission	NOT NULL	NUMBER(10)
9	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
10	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE

Foreign Keys:

HDBSTR_PROCESSTAT_FK
HBS_PROCESSING_STATUS_CODE =
HBS_PROCESSING_STATUS_CODE.HBS_PROCESSING_STATUS_CODE

Indexes:

HDBSTR_PROCESSTAT_FK_I
HBS_PROCESSING_STATUS_CODE

Notes:

*** OBSOLETE ***

Table: INTERIOR_SCALE_GRADE_CODE*Description:*

A subset of Scale Grade Code used to describe the grades that are only valid for interior scale log grades.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	INTERIOR_SCALE_GRADE_CODE A code used identify a scale grade used in interior areas	NOT NULL	VARCHAR2(1)
2	DESCRIPTION A text description of a code used identify a scale grade used in interior areas	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date at which a code becomes effective and available for use	NOT NULL	DATE
4	EXPIRY_DATE The date at which a code expires and is no longer effective or available for us	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to a code (includes the insert date)	NOT NULL	DATE

Notes:

Although the entity represents a subset of the Scale Grade Code entity it has been modelled as a seperate entity for ease of transformation. The implementation and data for this entity is static and will be maintained manually.

Table: INVC_NOTATION*Description:*

This table contains user and system generated notations related to the calculations and processes that were used to generate the invoice.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	INVOICE_NUMBER The Invoice Number is a character string that appears on each printed invoice and uniquely identifies that invoice.	NOT NULL	VARCHAR2(7)
* 2	CANCELLATION_IND This attribute is used to identify invoices that are cancelling an invoice with the same Invoice_Number. It is set to "Y" only for a Piece Scale R2 transaction (Cancel and Replace). All other billing transactions are defaulted to "N".	NOT NULL	VARCHAR2(1)
* 3	NOTATION_NUMBER This column is a sequentially assigned number that is used to identify the occurrence of a notation on an invoice.	NOT NULL	NUMBER(5)

Table: INVC_OTHR_CHARG*Description:*

This table contains information such as scaling fees, expenses, and time and charges that relate to an invoice.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	INVOICE_NUMBER The Invoice Number is a character string that appears on each printed invoice and uniquely identifies that invoice.	NOT NULL	VARCHAR2(7)
* 2	CANCELLATION_IND This attribute is used to identify invoices that are cancelling an invoice with the same Invoice_Number. It is set to "Y" only for a Piece Scale R2 transaction (Cancel and Replace). All other billing transactions are defaulted to "N".	NOT NULL	VARCHAR2(1)
* 3	INV_OTHR_SEG_NUM a sequential number for each additional charge	NOT NULL	NUMBER(5)

Table: LICENCE_TO_CUT*Description:*

The Licence to Cut data group more finely details the reason for harvesting under a Licence to Cut tenure which is not a quota or area based tenure but a purpose based tenure. This grants permission to cut wood to clear an area of crown land.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID	NOT NULL	VARCHAR2(10)
	File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.		

Table: LOAD_DESC_SLIP_REGISTRY*Description:*

This entity tracks mandatory load description slip number ranges assigned to selected cut blocks for a timber mark.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	LDSREG_ID	NOT NULL	NUMBER(10)
	A unique identifier (surrogate) for a load description slip registry entry		
2	TIMBER_MARK	NOT NULL	VARCHAR2(6)
	Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.		
3	CUT_BLOCK_ID	NOT NULL	VARCHAR2(10)
	Identifies a specific cut block within a timber mark that a load description slip is registered to		
4	START_NUMBER	NOT NULL	NUMBER(10)
	The beginning 'LDS' number for the set of load description slips assigned to a cut block		
5	END_NUMBER	NOT NULL	NUMBER(10)
	The last 'LDS' number for the set of load description slips assigned to a cut block		
6	ENTRY_USERID	NOT NULL	VARCHAR2(30)
	The USERID of the individual who entered the information.		
7	ENTRY_TIMESTAMP	NOT NULL	DATE
	The date and time on which the record was created.		
8	UPDATE_USERID	NULL	VARCHAR2(30)
	The USERID of the individual who last updated the information.		
9	UPDATE_TIMESTAMP	NULL	DATE
	The date and time the record was last modified.		

Foreign Keys:

LDSREG_TM_FK
TIMBER_MARK = TIMBER_MARK.TIMBER_MARK

Indexes:

LDSREG_TM_FK_I
TIMBER_MARK

Notes:

It was not possible to establish a relationship between the Ministry cut block entity because cut blocks have not been standardized and some clients use their own cut block identifier when submitting scale.

Table: LOG_TALLY*Description:*

Captures source data for a version of a detail level scale document or ledger item

This entity captures all attributes common to all scale document types except for departure ledgers

This entity captures all attributes common to all scale document types except that are eligible for being summarized for statement processing.

A super-type for piece scaled detail scale documents that have common relationships and/or attributes

A sub type to distinguish log based scale (i.e. sample and piece scale) from segregation based scale (i.e. special forest product scale)

Information describing the scaling of a single parcel of logs.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DETAIL_DOCUMENT_NUMBER A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.	NOT NULL	VARCHAR2(13)
* 2	VERSION Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.	NOT NULL	NUMBER(2)
3	BATDOC_ID Surrogate key for uniquely identifying a document from a detail scale document batch	NULL	NUMBER(32)
4	SCALE_EVENT_TYPE_CODE A code used to identify the type of a scale event associated with a detail scale document	NOT NULL	VARCHAR2(2)
5	SCL_RTN_VERSION_STATE_CODE A code used to describe the current state of a summary scale return version	NOT NULL	VARCHAR2(3)
6	SCALE_DATE The date (and time for weigh slips) upon which a load of timber was scaled	NOT NULL	DATE
7	SCALE_SITE_ID_NMBR An alphanumeric code used to uniquely identify a scale site.	NULL	VARCHAR2(4)
8	CUT_BLOCK_ID Identifies the cut block where the timber scaled on a detail scale return was harvested. <i>This data item cannot be validated with RI at this time as there is no standard set Cut blocks currently in use by both Industry and the Ministry</i>	NULL	VARCHAR2(10)
9	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NULL	VARCHAR2(6)
10	TIMBER_BRAND This describes the source of a load of lumber as the combination of scale site and district code. This attribute is only used for the following scale events: WSR 4R (Weigh Slip SB4 Rescale) POT 4R (Other Tallies SB4 Rescale)	NULL	VARCHAR2(7)
11	PRIMARY_QUANT_LIC_TYPE_CD A code that indicates the type of license for the scaler responsible for the scale data recorded on a scale return. For example, a type may be: Scaling license, Cruise license, or Residue Survey license. <i>This data item is no longer required as a result of the SCS rewrite, and the retirement of the QUANT LICNECE table</i>	NULL	VARCHAR2(1)
12	PRIMARY_LICENSE_NUMBER A number used to uniquely identify each scaler who is registered with the Ministry.	NULL	VARCHAR2(4)
13	SECONDARY_QUANT_LIC_TYPE_CD A code that indicates the type of license for a scaler who assisted in collecting scale data for a scale return. For example, a type may be: Scaling license, Cruise license, or Residue Survey license. <i>This data item is no longer required as a result of the SCS rewrite, and the retirement of the QUANT LICNECE table</i>	NULL	VARCHAR2(1)
14	SECONDARY_LICENSE_NUMBER A number used to uniquely identify each scaler who is registered with the Ministry.	NULL	VARCHAR2(4)
15	SIGNING_QUANT_LIC_TYPE_CD A code that indicates the type of license for the scaler who provided the digital signature for a scale return. For example, a type may be: Scaling license, Cruise license, or Residue Survey license. <i>This data item is no longer required as a result of the SCS rewrite, and the retirement of the QUANT</i>	NULL	VARCHAR2(1)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	<i>LICNECE table</i>		
16	SIGNING_LICENSE_NUMBER A number used to uniquely identify each scaler who is registered with the Ministry.	NULL	VARCHAR2(4)
17	RETURN_NUMBER A unique number (in conjunction with the scaler's licence number and date), and is assigned to a parcel of timber by a scaler. The scaler assigns #0001 to the first parcel scaled each year and continues consecutively through to 9999. If the scaler scales more than 9999 parcels of timber in a year they then restart with 0001. The dates will then determine the uniqueness of the number.	NOT NULL	NUMBER(4)
18	LOG_COUNT The number of logs scaled on the piece scale log tally detail scale document	NOT NULL	NUMBER(4)
19	NET_VOLUME The net volume of the timber recorded on this document	NULL	NUMBER(7,3)
20	PARCEL_COUNT A sequential count of parcels within a parcel identifier (i.e. 1 of x, 2 of x, etc...)	NULL	NUMBER(1)
21	PARCEL_IDENTIFIER The number of parcels that a single load of logs was divided into. <i>The parcels can be associated by load arrival number</i>	NULL	NUMBER(1)
22	VOLUME_CALC_METHOD_TYPE Identifies the scale document as having calculated the volume on a 'Gross' or 'Net' basis.	NULL	VARCHAR2(1)
23	ORIG_CHK_SCL_QUANT_LIC_TYPE_CD A code that indicates the type of license for the scaler responsible for the original scale return being check scaled. For example, a type may be: Scaling license, Cruise license, or Residue Survey license. <i>This data item is no longer required as a result of the SCS rewrite, and the retirement of the QUANT LICNECE table</i>	NULL	VARCHAR2(1)
24	ORIGINAL_DDN Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.	NULL	VARCHAR2(13)
25	ORIGINAL_DDV A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.	NULL	NUMBER(2)
26	ORIG_CHK_SCL_LICENSE_NUMBER A number used to uniquely identify each scaler who is registered with the Ministry.	NULL	VARCHAR2(4)
27	ORIG_CHK_SCL_RETURN_NUMBER The original scaler's return number from the detail scale document being check scaled.	NULL	NUMBER(4)
28	ORIG_REDTAG_SCALE_SITE_ID_NMBR An alphanumeric code used to uniquely identify a scale site.	NULL	VARCHAR2(4)
29	RED_TAG_WEIGH_SLIP The weigh slip number of the load of timber that was 'un-stratifiable' and therefore red tagged for piece scaling	NULL	VARCHAR2(10)
30	ORIGINAL_VERSION_IND Indicates that the version was the original version received by HBS <i>A scale return's version may be prior to the version identified as the original</i>	NOT NULL	VARCHAR2(1)
31	VALID_SIGNATURE_IND A flag indicating if the detail scale document was assigned a valid digital signature.	NOT NULL	VARCHAR2(1)
32	ACTIVE_VERSION_IND Indicates that a version is the active version of interest to application processes	NOT NULL	VARCHAR2(1)
33	BEACHCOMB_IND An indicator identifying a log tally as being scaled for a beachcomb salvage operation.	NULL	VARCHAR2(1)
34	CHECK_REPLACES_ORIGINAL_IND Identifies the piece scaled detail scale document as having been replaced by a check scale detail scale document	NULL	VARCHAR2(1)
35	FIELD_SCALE_IND Flags the scale return as having been previously billed on a field scale.	NULL	VARCHAR2(1)
36	FIELD_SCALE_DECK_ID Identifies a deck of timber (i.e. pile of logs) being field scaled (i.e. volume estimate)	NULL	VARCHAR2(1)
37	TRANSPORT_IDENTIFIER	NULL	VARCHAR2(16)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	Identifies the transport mechanism that delivered the load of logs to a scale site e.g. Truck - license plate Boom - boom number etc...		
38	INCOMING_LDS_NUMBER The load description slip identifier captured from the load description slip document that accompanied a load of timber upon arrival at a scale site.	NULL	VARCHAR2(10)
39	LOAD_ARRIVAL_NUMBER A sequential number assigned to a load as it arrives at a scale site.	NULL	VARCHAR2(10)
40	LOG_TALLY_COMMENT A free form text attribute for capturing additional information about a detail scale return	NULL	VARCHAR2(240)
41	ENCRYPTED_AUTH_KEY A character string generated scaling software to uniquely identify a detail scale document as having been created by a specific scaler. <i>The encrypted authorization key, or digital signature is generated from the scaler's authentication key</i>	NULL	NUMBER(10)
42	HASH_TOTAL A number generated, by the submitting scale document application, by an algorithm applied to every character of required data in a detail scale document. <i>The hashtotal alogrithm can be reapplied to the detailed scale document upon receipt, the resulting value can be compared to the original 'hash total' value to ensure that the document has not been altered.</i>	NULL	NUMBER(10)
43	DTL_DOC_SEQ Tracks the sequence that the document version was inserted <i>This is a physical attribute for the purposes of implementing anomaly processing</i>	NOT NULL	NUMBER(32)
44	INPUT_ORIG_REDTAG_SCL_SITE A scale site identifier for the scale site at which a red tag load was originally weighed and was determined to be 'un-stratifiable' <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the scale site foreign key</i>	NULL	VARCHAR2(4)
45	INPUT_SECONDARY_SCALER_LIC A "scaler licence" supplied on the source document, identifying a secondary scaler who may have participated in the recording of a scaling event. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "scaler licence" relationship</i>	NULL	VARCHAR2(4)
46	INPUT_SIGNING_SCALER_LIC A "scaler licence" supplied on the source document, indicating which scaler, primary or secondary, 'signed' the scale document. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "scaler licence" relationship</i>	NULL	VARCHAR2(4)
47	INPUT_CUTBLOCK_ID An input text string used to identify the cut block where the timber scaled on a detail scale return was harvested. If valid it will be moved to the cut block id with RI <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "cut block id" relationship</i>	NULL	VARCHAR2(10)
48	INPUT_PRIMARY_SCALER_LIC A "scaler licence" supplied on the source document, identifying the primary scaler responsible for recording a scaling event. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "scaler licence" relationship</i>	NULL	VARCHAR2(4)
49	INPUT_ORIGINAL_DDN An input text field used to identify the document control number of a related check scaled document	NULL	VARCHAR2(13)
50	INPUT_ORIGINAL_DDV An input number field used to identify the version of a related check scaled document	NULL	NUMBER(2)
51	INPUT_ORIG_CHK_SCL_SCALER_LIC The scaler's licence number from the detail scale document being check scaled, as input. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "original scaler licence" relationship</i>	NULL	VARCHAR2(4)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
52	INPUT_SOURCE	NULL	VARCHAR2(7)
	Identifies the source of the timber scaled on a detail scale return as either a Timber Mark or a Timber Brand, depending on the scale return 'scale event type code'.		
	The Input source represents a Timber Mark for the following scale events:		
	- Weigh Slip		
	Primary scale		
	Sample scale		
	Remote scale		
	Primary departure		
	Red Tag		
	Remote red tag		
	- Piece Scaled Log Tally		
	Primary scale		
	From site deck		
	Red Tag		
	Remote red tag		
	Piece Check Scale		
	Sample scale		
	Remote sample scale		
	Sample check scale		
	- Site ledger (Arrival)		
	Primary scale		
	To site deck		
	From site deck		
	Remote sample scale		
	Remote red tag		
	- Site ledger (Departure)		
	n/a		
	The Input source represents a Timber Brand for the following scale events:		
	- Weigh Slip		
	SB4 rescale		
	- Piece Scaled Log Tally		
	SB4 rescale		
	- Site ledger (Arrival)		
	Scaled Before		
	SB4 rescale		
	- Site ledger (Departure)		
	n/a		
	<i>This attribute is used to capture information that may not permit referential integrity to be resolved for the Timber Mark relationship where required based on the scale event type.</i>		
	<i>The Timber Brand must be validated against the Timber Brand attribute on the Scale_Site entity</i>		
53	INPUT_SCALE_SITE	NULL	VARCHAR2(4)
	An text string in the scale dcoument used to identify the scale site at which a load of timber was scaled.		
	<i>This input field requires validation before it can be copied to the scale documents 'scale site' foreign key field</i>		
54	ENTRY_USERID	NOT NULL	VARCHAR2(30)
	The USERID of the individual who entered the information.		
55	ENTRY_TIMESTAMP	NOT NULL	DATE
	The date and time on which the record was created.		
56	UPDATE_USERID	NULL	VARCHAR2(30)
	The USERID of the individual who last updated the information.		
57	UPDATE_TIMESTAMP	NULL	DATE
	The date and time the record was last modified.		

Foreign Keys:

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

LOGTALLY_ORIG_CHK_SCL_FK
 ORIG_CHK_SCL_LICENSE_NUMBER = SCALER.SCALER_LICENSE_NO
 LOGTALLY_PRIMARY_SCLR_FK
 PRIMARY_LICENSE_NUMBER = SCALER.SCALER_LICENSE_NO
 LOGTALLY_SECONDARY_SCLR_FK
 SECONDARY_LICENSE_NUMBER = SCALER.SCALER_LICENSE_NO
 LOGTALLY_SIGNING_SCLR_FK
 SIGNING_LICENSE_NUMBER = SCALER.SCALER_LICENSE_NO
 LOG_TALLY_BATDOC_FK
 BATDOC_ID = DTL_DOC_BATCH_DOCUMENT.BATDOC_ID
 LOG_TALLY_DTLSCLDOC_FK
 DETAIL_DOCUMENT_NUMBER = DETAIL_SCALE_DOCUMENT.DETAIL_DOCUMENT_NUMBER
 LOG_TALLY_LOG_TALLY_FK
 ORIGINAL_DDV = LOG_TALLY.DETAIL_DOCUMENT_NUMBER
 ORIGINAL_DDN = LOG_TALLY.VERSION
 LOG_TALLY_ORIG_SS_FK
 ORIG_REDTAG_SCALE_SITE_ID_NMBR = SCALE_SITE.SCALE_SITE_ID_NMBR
 LOG_TALLY_SETC_FK
 SCALE_EVENT_TYPE_CODE = SCALE_EVENT_TYPE_CODE.SCALE_EVENT_TYPE_CODE
 LOG_TALLY_SRVERSTATE_FK
 SCL_RTN_VERSION_STATE_CODE = SCL_RTN_VERSION_STATE_CODE.SCL_RTN_VERSION_STATE_CODE
 LOG_TALLY_SS_FK
 SCALE_SITE_ID_NMBR = SCALE_SITE.SCALE_SITE_ID_NMBR
 LOG_TALLY_TM_FK
 TIMBER_MARK = TIMBER_MARK.TIMBER_MARK

Indexes:

LOGTALLY_ORIG_CHK_SCL_FK_I
 ORIG_CHK_SCL_LICENSE_NUMBER
 LOGTALLY_PRIMARY_SCLR_FK_I
 PRIMARY_LICENSE_NUMBER
 LOGTALLY_SECONDARY_SCLR_FK_I
 SECONDARY_LICENSE_NUMBER
 LOGTALLY_SIGNING_SCLR_FK_I
 SIGNING_LICENSE_NUMBER
 LOG_TALLY_BATDOC_FK_I
 BATDOC_ID
 LOG_TALLY_DTLSCLDOC_FK_I
 DETAIL_DOCUMENT_NUMBER
 LOG_TALLY_LOG_TALLY_FK_I
 ORIGINAL_DDV
 ORIGINAL_DDN
 LOG_TALLY_SETC_FK_I
 SCALE_EVENT_TYPE_CODE
 LOG_TALLY_SRVERSTATE_FK_I
 SCL_RTN_VERSION_STATE_CODE
 LOG_TALLY_SS_FK_I
 SCALE_SITE_ID_NMBR
 LOG_TALLY_TM_FK_I
 TIMBER_MARK

Table: LOG_TALLY_DETAIL**Description:**

Captures information common to all types of detail log data
 A subtype of Log
 Information pertaining to the scaling of a specific log for a piece scale log tally.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	LOGDTL_ID Surrogate key used to uniquely identify a record of information pertaining to a scaled log	NOT NULL	NUMBER(32)
2	VERSION Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.	NOT NULL	NUMBER(2)
3	DETAIL_DOCUMENT_NUMBER A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.	NOT NULL	VARCHAR2(13)
4	SCALE_GRADE_CODE A code used to identify a grade of timber	NULL	VARCHAR2(1)
5	SCALE_PRODUCT_CODE A code used to identify a type of timber product	NULL	VARCHAR2(2)
6	SCALE_SPECIES_CODE A code used to identify a type of tree species	NULL	VARCHAR2(2)
7	DTLSEG_ID Obsolete column	NULL	NUMBER(32)
8	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NULL	VARCHAR2(6)
9	LOG_NUMBER A sequential identifier for each log on a log tally.	NOT NULL	NUMBER(4)
10	LENGTH The length of a log in decimeters.	NOT NULL	NUMBER(3,1)
11	TOP The diameter of the top of the log measured in rads	NOT NULL	NUMBER(3)
12	BUTT The diameter of the butt (i.e. bottom) of the log measured in rads	NOT NULL	NUMBER(3)
13	NET_VOLUME The generated net volume of the log (i.e. net of deductions for defects) in cubic meters. <i>The calculation used to generate this value uses Smalians Formula:</i> $= ((top * top) + (butt * butt) * length * F) - (total \ net \ volume \ of \ all \ defects \ for \ the \ log)$ <i>(where F = Smalian's constant [0.0001570796])</i>	NOT NULL	NUMBER(6,3)
14	NMV_IND A flag indicating that there was no Timber Mark visibly stamped on the log.	NOT NULL	VARCHAR2(1)
15	DEDUCTION_COUNT The number of deductions/defects attributed to a log	NOT NULL	NUMBER(1)
16	INPUT_SPECIES A species identifier supplied for a detail scale document segregation. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "species" component of the relationship to the Species Product Grade Xref entity.</i>	NULL	VARCHAR2(2)
17	INPUT_GRADE A grade identifier supplied for a detail scale document segregation. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "grade" component of the relationship to the Species Product Grade Xref entity.</i>	NULL	VARCHAR2(1)
18	INPUT_BCOMB_TIMBER_MARK An input text string capturing all or partial timber mark that was visible on a salvaged log and coded on the scale return by the scaler.	NULL	VARCHAR2(6)
19	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
20	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
21	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
22	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

LOGTLYDTL_LOG_TALLY_FK
 DETAIL_DOCUMENT_NUMBER = LOG_TALLY.DETAIL_DOCUMENT_NUMBER
 VERSION = LOG_TALLY.VERSION
 LOGTLYDTL_SSPGXREF_FK
 SCALE_SPECIES_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_SPECIES_CODE
 SCALE_PRODUCT_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_PRODUCT_CODE
 SCALE_GRADE_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_GRADE_CODE
 LOGTLYDTL_TM_FK
 TIMBER_MARK = TIMBER_MARK.TIMBER_MARK

Indexes:

LOGTLYDTL_LOG_TALLY_FK_I
 DETAIL_DOCUMENT_NUMBER
 VERSION
 LOGTLYDTL_SSPGXREF_FK_I
 SCALE_SPECIES_CODE
 SCALE_PRODUCT_CODE
 SCALE_GRADE_CODE
 LOGTLYDTL_TM_FK_I
 TIMBER_MARK

Table: LOG_TALLY_DETAIL_DEFECT*Description:*

Captures information describing a defect deduction for a log.

Records defect information associated with a specific log recorded on a log tally scale document

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	LOG_DEFECT_ID A unique identifier (surrogate) for a log defect entry	NOT NULL	NUMBER(32)
2	LOGDTL_ID Surrogate key used to uniquely identify a record of information pertaining to a scaled log	NOT NULL	NUMBER(32)
3	DEFECT_NUMBER A sequential number identifying a defect deduction for a log	NOT NULL	NUMBER(1)
4	DEFECT_TYPE A code identifying the type of defect being deducted for a log. <i>There is no code list for this code as there are currently no standards for defect codes in the scaling manual.</i> <i>(e.g. for the defect code for 'butt rot' one scale may use the 'B' and another may use 'BR')</i>	NOT NULL	VARCHAR2(2)
5	VOLUME A calculated volume for a defect deduction on a log. <i>The method of calculating the defect deduction volume is described by the defect descriptor (i.e. formatted defect measurement description)</i>	NOT NULL	NUMBER(6,3)
6	DESCRIPTOR A formatted defect measurement description.	NOT NULL	VARCHAR2(40)
7	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
8	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
9	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
10	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

LTDDEFECT_LOGTLYDTL_FK
LOGDTL_ID = LOG_TALLY_DETAIL.LOGDTL_ID

Indexes:

LTDDEFECT_LOGTLYDTL_FK_I
LOGDTL_ID

Table: LOG_TALLY_DETAIL_ERROR*Description:*

Records all errors encountered during edit events.

Records errors encountered during edit events for specific log associated with a detail peice scale log tally scale document

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ERROR_ID	NOT NULL	NUMBER(32)
	Surrogate key for uniquely identifying an error		
2	HBS_EDIT_ERR_MESSAGE_CODE	NOT NULL	VARCHAR2(6)
	A code used to identify an error message that an edit event may generate		
3	HBS_EDIT_ERR_CATEGORY_CODE	NOT NULL	VARCHAR2(3)
	A code used to identify an error category for an edit error		
4	LOGDTL_ID	NOT NULL	NUMBER(32)
	Surrogate key used to uniquely identify a record of information pertaining to a scaled log		
5	ERROR_TIMESTAMP	NOT NULL	DATE
	Date and time at which the error message was generated		

Foreign Keys:

LTDTLERR_EEMC_FK

HBS_EDIT_ERR_MESSAGE_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_CATEGORY_CODE

LTDTLERR_LOGTLYDTL_FK

LOGDTL_ID = LOG_TALLY_DETAIL.LOGDTL_ID

Indexes:

LTDTLERR_EEMC_FK_I

HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE

LTDTLERR_LOGTLYDTL_FK_I

LOGDTL_ID

Table: LOG_TALLY_ERROR*Description:*

Records all errors encountered during edit events.

Records errors encountered during edit events for detail peice scale log tally scale documents

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ERROR_ID	NOT NULL	NUMBER(32)
	Surrogate key for uniquely identifying an error		
2	HBS_EDIT_ERR_MESSAGE_CODE	NOT NULL	VARCHAR2(6)
	A code used to identify an error message that an edit event may generate		
3	HBS_EDIT_ERR_CATEGORY_CODE	NOT NULL	VARCHAR2(3)
	A code used to identify an error category for an edit error		
4	VERSION	NOT NULL	NUMBER(2)
	Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.		
5	DETAIL_DOCUMENT_NUMBER	NOT NULL	VARCHAR2(13)
	A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.		
6	ERROR_TIMESTAMP	NOT NULL	DATE
	Date and time at which the error message was generated		

Foreign Keys:

LOGTLYERR_EEMC_FK

HBS_EDIT_ERR_MESSAGE_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_CATEGORY_CODE

LOGTLYERR_LOG_TALLY_FK

DETAIL_DOCUMENT_NUMBER = LOG_TALLY.DETAIL_DOCUMENT_NUMBER

VERSION = LOG_TALLY.VERSION

Indexes:

LOGTLYERR_EEMC_FK_I

HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE

LOGTLYERR_LOG_TALLY_FK_I

DETAIL_DOCUMENT_NUMBER

VERSION

Table: LOG_TALLY_TXN*Description:*

Captures derived detail scale document data generated during the processing of a detail scale document version
 Captures derived detail scale document data generated during the processing of a detail scale document version for billable detail document types
 A subtype of Detail Scale Document Version Txn...
 A record of processing a transaction applied against a peice scaled detail scale document version.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DTL_TXN_ID A generated unique identifier for the a detail scale return transaction	NOT NULL	NUMBER(32)
2	HBS_TXN_STATUS_CODE A code used to describe the current state of a summary scale return transaction	NOT NULL	VARCHAR2(3)
3	HBS_TXN_TYPE_CODE A code used to identify the type of transaction generated for a summary scale return version	NOT NULL	VARCHAR2(3)
4	INTEREST_REVERSAL_IND Indicates that a detail transaction will require interest reversal processing (Only applies to cancellations)	NULL	VARCHAR2(1)
5	DOCUMENT_CONTROL_NUMBER Uniquely identifies a scale return	NOT NULL	NUMBER(10)
6	SUMMARY_DOCUMENT_VERSION Identifies the version of a summary scale return. A new version is created when the scale return is replaced with changes.	NOT NULL	NUMBER(10)
7	DETAIL_DOCUMENT_NUMBER A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.	NOT NULL	VARCHAR2(13)
8	DETAIL_DOCUMENT_VERSION Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.	NOT NULL	NUMBER(2)
9	DTL_TXN_ID_CANCELLED_BY A generated unique identifier for the a detail scale return transaction	NULL	NUMBER(32)
10	EVENT_SEQUENCE This is the sequence, repeating for each summary scale return version, that identifies the sequence of events for which transactions have been applied to a summary scale return version. e.g, transaction sequences for a return can be... 1 original 2 cancelled 3 replaced (this is the case where the return is cancelled and replaced at a later date resulting from 3 seperate user requests or cancelled and replaced with changes resulting from a single user request) or 1 original 2 cancelled 2 replaced (this is the case where the return is cancelled and replaced without changes resulting from a single user request)	NOT NULL	NUMBER(1)
11	DEBIT_CREDIT_TYPE Indicates if a transaction results in a debit (+) or credit (-) movement	NOT NULL	VARCHAR2(2)
12	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
13	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
14	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
15	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

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

LOGTLYTXN_HBSTSC_FK
HBS_TXN_STATUS_CODE = HBS_TXN_STATUS_CODE.HBS_TXN_STATUS_CODE
LOGTLYTXN_HBSTTC_FK
HBS_TXN_TYPE_CODE = HBS_TXN_TYPE_CODE.HBS_TXN_TYPE_CODE
LOGTLYTXN_LOGTLYTXN_FK
DTL_TXN_ID_CANCELLED_BY = LOG_TALLY_TXN.DTL_TXN_ID
LOGTLYTXN_LOG_TALLY_FK
DETAIL_DOCUMENT_NUMBER = LOG_TALLY.DETAIL_DOCUMENT_NUMBER
DETAIL_DOCUMENT_VERSION = LOG_TALLY.VERSION
LOGTLYTXN_PSSMRY_FK
DOCUMENT_CONTROL_NUMBER = PIECE_SCALE_SUMMARY.DOCUMENT_CONTROL_NUMBER
SUMMARY_DOCUMENT_VERSION = PIECE_SCALE_SUMMARY.VERSION

Indexes:

LOGTLYTXN_HBSTSC_FK_I
HBS_TXN_STATUS_CODE
LOGTLYTXN_HBSTTC_FK_I
HBS_TXN_TYPE_CODE
LOGTLYTXN_LOGTLYTXN_FK_I
DTL_TXN_ID_CANCELLED_BY
LOGTLYTXN_LOG_TALLY_FK_I
DETAIL_DOCUMENT_NUMBER
DETAIL_DOCUMENT_VERSION
LOGTLYTXN_PSSMRY_FK_I
DOCUMENT_CONTROL_NUMBER
SUMMARY_DOCUMENT_VERSION

Table: LOG_TALLY_TXN_SEG*Description:*

Captures derived data being applied to detail scale document transaction segregations

A summarization of the volume for all logs of the same segregation for a detail scale return document version transaction.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DTL_TXN_SEG_ID A unique identifier (surrogate) for a transaction segregation record	NOT NULL	NUMBER(32)
2	SCALE_SPECIES_CODE A code used to identify a type of tree species	NOT NULL	VARCHAR2(2)
3	SCALE_PRODUCT_CODE A code used to identify a type of timber product	NOT NULL	VARCHAR2(2)
4	SCALE_GRADE_CODE A code used to identify a grade of timber	NOT NULL	VARCHAR2(1)
5	DTLSEG_ID	NULL	NUMBER(32)
6	SEGREGATION_ID A surrogate key uniquely identifying a segregation	NOT NULL	NUMBER(32)
7	DTL_TXN_ID A generated unique identifier for the a detail scale return transaction	NOT NULL	NUMBER(32)
8	TXN_SEG_ID	NULL	NUMBER(32)
9	PRORATED_VOLUME The prorated volume of the whole summarized bill that can be attributed to a segregation from a specific load that comprised the summary transaction	NOT NULL	NUMBER(15,3)
10	PRORATED_VALUE The prorated value of the whole summarized bill that can be attributed to a segregation from a specific load that comprised the summary transaction	NOT NULL	NUMBER(15,2)
11	RATE The rate, in dollars, that a segregation was billed at	NULL	NUMBER(6,2)
12	RATE_SOURCE Identifies the source of the rate with regard to the 'logic' path taken, and decisions made, by the price lookup function in obtaining or determining an appropriate rate.	NULL	VARCHAR2(40)
13	RESERVE_STMPG_RATE_COMPONENT The portion of the segregation rate attributed to the reserve stumpage rate component	NULL	NUMBER(6,2)
14	BONUS_BID_RATE_COMPONENT The portion of the segregation rate attributed to the bonus bid rate component	NULL	NUMBER(6,2)
15	DEV_LEVY_RATE_COMPONENT The portion of the segregation rate attributed to the development levy rate component	NULL	NUMBER(6,2)
16	SILV_LEVY_RATE_COMPONENT The portion of the segregation rate attributed to the silviculture levy rate component	NULL	NUMBER(6,2)
17	RESERVE_STMPG_AMOUNT_COMPONENT The portion of the segregation value amount attributed to the reserve stumpage rate component	NULL	NUMBER(15,2)
18	BONUS_BID_AMOUNT_COMPONENT The portion of the segregation value amount attributed to the bonus bid rate component	NULL	NUMBER(15,2)
19	DEV_LEVY_AMOUNT_COMPONENT The portion of the segregation value amount attributed to the development levy rate component	NULL	NUMBER(15,2)
20	SILV_LEVY_AMOUNT_COMPONENT The portion of the segregation value amount attributed to the silviculture levy rate component	NULL	NUMBER(15,2)
21	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
22	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
23	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
24	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

LTTXNSEG_LOGTLYTXN_FK
DTL_TXN_ID = LOG_TALLY_TXN.DTL_TXN_ID
LTTXNSEG_PSESEG_FK

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

SEGREGATION_ID = PIECE_SCL_SEGREGATION.SEGREGATION_ID
LTTXNSEG_PXSSEG_FK
TXN_SEG_ID = PIECE_SCL_TXN_SEGREGATION.TXN_SEG_ID
LTTXNSEG_SSPGXREF_FK
SCALE_SPECIES_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_SPECIES_CODE
SCALE_PRODUCT_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_PRODUCT_CODE
SCALE_GRADE_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_GRADE_CODE

Indexes:

LTTXNSEG_LOGTLYTXN_FK_I
DTL_TXN_ID
LTTXNSEG_PSSEG_FK_I
SEGREGATION_ID
LTTXNSEG_SSPGXREF_FK_I
SCALE_SPECIES_CODE
SCALE_PRODUCT_CODE
SCALE_GRADE_CODE

Table: MARK_BILLED_CLI*Description:*

This table provides an efficient query link for client data relating to a timber mark

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NOT NULL	VARCHAR2(6)
2	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
3	CUTTING_PERMIT_ID Identifier for a cutting permit associated with a quota type harvesting tenure.	NOT NULL	VARCHAR2(3)
4	FILE_TYPE_CODE The FTAS code to indicate the type of file, and often synonymous with a tenure or a project.	NOT NULL	VARCHAR2(3)
5	FOREST_REGION The region responsible for administering a timber mark	NOT NULL	NUMBER(10)
6	FOREST_DISTRICT A forest district responsible for administering a timber mark	NOT NULL	NUMBER(10)
7	GEOGRAPHIC_DISTRICT The geographic district in which the timber mark physically resides	NOT NULL	NUMBER(10)
8	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NOT NULL	VARCHAR2(8)
9	CLIENT_LOCN_CODE A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NOT NULL	VARCHAR2(2)
10	MGMT_UNIT_TYPE The type of Management Unit determines the applicable administrative policies for the forest land.	NULL	VARCHAR2(1)
11	MGMT_UNIT_ID The administrative management unit identifier defined by the ministry for managing the forest tenure, eg. 41 - Dawson Creek TSA.	NULL	VARCHAR2(4)

Unique Constraints:

MBC_2_UK
FOREST_FILE_ID
CUTTING_PERMIT_ID
MBC_UK

Table: MESSAGE_STATUS_CODE*Description:*

Describes the state of a message (e.g. 'Sent', 'Pending', 'Superceded')

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MESSAGE_STATUS_CODE	NOT NULL	VARCHAR2(3)
	A code used to identify the state of a message that has been sent to a HBS user		
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
	A text description of a code used to identify the state of a message sent to a HBS user		
3	EFFECTIVE_DATE	NOT NULL	DATE
	The date the code becomes effective.		
4	EXPIRY_DATE	NOT NULL	DATE
	The date after which the code is no longer available for use.		
5	UPDATE_TIMESTAMP	NOT NULL	DATE
	The date and time the record was last modified.		

Table: MESSAGE_TYPE_CODE*Description:*

Describes the type of message being sent to a user (e.g. 'event notification', 'content delivery', etc.)

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MESSAGE_TYPE_CODE A code used to identify a type of message that is to be sent to a HBS user	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A text description of a code used to identify a type of message that is to be sent to a HBS user	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: MIME_TYPE_CODE*Description:*

The types of formats that can be used to create a report or data file

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	MIME_TYPE_CODE	NOT NULL	VARCHAR2(3)
	A code used to identify a type of format used to create a HBS report or data file		
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
	A text description of a code used to identify a type of format used to create a HBS report or data file		
3	EFFECTIVE_DATE	NOT NULL	DATE
	The date the code becomes effective.		
4	EXPIRY_DATE	NOT NULL	DATE
	The date after which the code is no longer available for use.		
5	UPDATE_TIMESTAMP	NOT NULL	DATE
	The date and time the record was last modified.		

Table: NOTATION_TYPE_CODE**Description:**

A code that identifies the type of notation that may appear on an invoice. It is required to provide selection values for reporting.

COR This invoice corrects rates on invoice aa99999
 CRU Volume determined on the basis of a cruise
 EXP Export fee in lieu of manufacture charged on logs exported under permit numbe
 FIN This invoice bills for volume and value using final ratios
 I01 This is an interim billing and the amount is due and payable
 I02 Billing will be revised upon submission of Scale Return
 MRG This invoice uses new ratios resulting from amalgamation
 M1 This invoice exactly cancels invoice aa99999
 M2 This invoice corrects rates on invoice aa99999
 NIL This invoice bills for volume and value using latest ratios
 NOT (manual notation entry)
 NVL Invoice issued prior to 1992 is not valid legally.
 REP This invoice replaces invoice number aa99999
 R1 This invoice cancels invoice aa99999
 R2 This invoice cancels and replaces invoice aa99999
 STK Stock log boom scaled previously for stumpage and or royalty
 TRS Trespass billing
 TTM Timber mark @@@@ truncated to @@@@
 WST Billing of residue and waste survey
 W01 Residue and waste billing - volume billed for cut control stumpage or royalty
 W02 Residue and waste billing - volume billed for stumpage or royalty only @@@@
 W03 Invoice for cut control only. volume for cut control @@@@ informational o
 W04 These volumes are reported for information only
 CB4 Cruise based mark volume (rate='sb4-c') have been set sb4
 ADJ This invoice adjusts invoice number aa9999
 A01 Both invoices are now payable
 A02 Applicable x and y grade volumes billed at \$0.10/m3
 A03 Applicable x and y grade volumes billed at \$0.25/m3
 A04 Applicable x and y grade volumes billed at \$0.50/m3
 A05 This invoice uses rates effective on date @@@@
 A06 All charges on this invoice are gst exempt
 A07 Rates shown are not used in dollar value calculations
 BC1 Vancouver marine
 log salvage - inside log salvage district
 BC2 Vancouver marine log salvage - outside log salvage district
 BC3 Prince Rupert log salvage
 CAN This invoice cancels invoice number aa9999

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	NOTATION_TYPE_CODE	NOT NULL	VARCHAR2(3)
	A code used to identify a type notation that may be appended to a summary scale return		
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
	A textual description of a code used to identify a type notation that may be appended to a summary scale return		
3	EFFECTIVE_DATE	NOT NULL	DATE
	The date the code becomes effective.		
4	EXPIRY_DATE	NOT NULL	DATE
	The date after which the code is no longer available for use.		
5	UPDATE_TIMESTAMP	NOT NULL	DATE
	The date and time the record was last modified.		

Notes:

Existing code table item

Table: ORG_UNIT*Description:*

Records codes for ministry Organizational Units (offices), such as Branch, Region, or District office. Codes are currently defined to the office, section/program, and subsection level.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ORG_UNIT_NO	NOT NULL	NUMBER(10)
	Unique physical identifier for the storage of organizational unit codes for the Ministry of Forests' offices. Values stored here are for the computer's use only, and are not to be used by people as "ministry codes".		

Table: OTHER_DESCRIPTION_TYPE_CODE*Description:*

Provides identifiers for segregations for other descriptions for timber, such as B/S for boomsticks, or a special forest product code that are not provided by the product:

e.g.

B/S Boomstick

CHU Chunks

DEA Deadhead

S/W Swifters

SLA Slabs

SLI Slivers

SUB Submergd

SUN Sunken

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	OTHER_DESCRIPTION_TYPE_CODE A code used to describes other descriptions for timber in addition to those descriptions provided by the species product and grade descriptions	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A textual description of the code used to describes other descriptions for timber in addition to those descriptions provided by the species product and grade descriptions	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Notes:

Existing code table item

Table: OUTPUT_BATCH_STATUS_CODE*Description:*

The current state of an output batch:

e.g.

CRT Created - Batch has been created.

RTS Ready to Send - Batch is ready to transfer to HDBS.

SNT Sent - Batch has been sent to HDBS

PND Pending - At least one scale return on the batch successfully processed by HDBS.

COM Complete - All scale returns reconciled or failed reconciled.

HLD Held - Time limit for batch to reconcile has expired.

FAL Failed - No scale returns on the batch successfully processed by HDBS

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	OUTPUT_BATCH_STATUS_CODE A code used to describe the current state of an output batch that has been prepared for transmission to the HDBS	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A textual description of the current state of an output batch that has been prepared for transmission to the HDBS	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Notes:

*** OBSOLETE ***

Table: OVERRIDE_RATE*Description:*

Captures override rates at a segregation level for an override rate rule

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	OVERRIDE_RATE_ID Surrogate key used to identify each instance of an override rate	NOT NULL	NUMBER(32)
2	SCALE_GRADE_CODE A code used to identify a grade of timber	NULL	VARCHAR2(1)
3	SCALE_SPECIES_CODE A code used to identify a type of tree species	NULL	VARCHAR2(2)
4	OVERRIDE_RATING_RULE_ID Surrogate key used to uniquely identify each instance of an rate override rule	NOT NULL	NUMBER(32)
5	SCALE_PRODUCT_CODE A code used to identify a type of timber product	NOT NULL	VARCHAR2(2)
6	OVERRIDE_RATE A rate used to override the rate that would normally be provided by rating logic	NOT NULL	NUMBER(6,2)
7	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
8	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
9	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
10	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

OVRRD_RATE_OVRRDRTRL_FK
OVERRIDE_RATING_RULE_ID = OVERRIDE_RATING_RULE.OVERRIDE_RATING_RULE_ID

OVRRD_RATE_SGCT_FK
SCALE_GRADE_CODE = SCALE_GRADE_CODE.SCALE_GRADE_CODE

OVRRD_RATE_SPCT_FK
SCALE_PRODUCT_CODE = SCALE_PRODUCT_CODE.SCALE_PRODUCT_CODE

OVRRD_RATE_SSC_FK
SCALE_SPECIES_CODE = SCALE_SPECIES_CODE.SCALE_SPECIES_CODE

Indexes:

OVRRD_RATE_OVRRDRTRL_FK_I
OVERRIDE_RATING_RULE_ID

OVRRD_RATE_SGCT_FK_I
SCALE_GRADE_CODE

OVRRD_RATE_SPCT_FK_I
SCALE_PRODUCT_CODE

OVRRD_RATE_SSC_FK_I
SCALE_SPECIES_CODE

Notes:

Used to 'prerate' scale returns

Table: OVERRIDE_RULE*Description:*

A subtype of the Override Rating Rule entity...

Identifies a rule as a rate date rule and captures the rate date to be used to override a returns scale date for the specified timber mark.

A subtype of the Override Rating Rule entity...

Identifies a rule as a rate rule and establishes the default species and grade for all non explicit species/grade rates.

Provides the terms by which rates for a mark are to be overridden.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	OVERRIDE_RULE_ID Surrogate key used to uniquely identify each instance of an rate override rule	NOT NULL	NUMBER(32)
2	OVRDRTRL_TYPE	NOT NULL	VARCHAR2(10)
3	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NOT NULL	VARCHAR2(6)
4	FIELD_SCALE_DECK_ID Identifies a deck of timber (i.e. pile of logs) being field scaled	NULL	VARCHAR2(1)
5	OVERRIDE_RULE_CATEGORY_CODE A code used to identify a production type (i.e. waste, normal, beachcomb)	NOT NULL	VARCHAR2(2)
6	OVERRIDE_RULE_STATUS_CODE A code used to identify the status of an override rule (e.g. active, inactive, pending)	NOT NULL	VARCHAR2(3)
7	OVRDRTRL_COMMENT Captures a reason for the application of a rate override rule	NULL	VARCHAR2(240)
8	PROCESSING_EFFECTIVE_DATE The date from which the rate override rule is to be in effect for scale returns that match the scale date range criteria. (i.e. the rule will be applied from the processing effective date to the processing expiry date for scale returns whose scale date falls within the rules scale effective and expiry date range)	NOT NULL	DATE
9	PROCESSING_EXPIRY_DATE The date at which the rate override rule expires for scale returns that match the scale date range criteria. (i.e. the rule will be applied from the processing effective date to the processing expiry date for scale returns whose scale date falls within the rules scale effective and expiry date range)	NOT NULL	DATE
10	SCALE_EFFECTIVE_DATE The start of the date range for which the scale date on a scale return will be compared to determine if the rule should be applied (if and only if the processing date falls with in the processing effective and expiry date range)	NOT NULL	DATE
11	SCALE_EXPIRY_DATE The end of the date range for which the scale date on a scale return will be compared to determine if the rule should be applied (if and only if the processing date falls with in the processing effective and expiry date range)	NOT NULL	DATE
12	OVERRIDE_RATE_DATE A date to be used in place of a scale returns scale date for purposes of determining rates for a mark	NULL	DATE
13	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
14	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
15	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
16	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

OVRDRTRL_ORSC_FK

OVERRIDE_RULE_STATUS_CODE = OVERRIDE_RULE_STATUS_CODE.OVERRIDE_RULE_STATUS_CODE

OVRDRTRL_OVRDCATCD_FK

OVERRIDE_RULE_CATEGORY_CODE =

OVERRIDE_RULE_CATEGORY_CODE.OVERRIDE_RULE_CATEGORY_CODE

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

OVRRDRTRL_TM_FK
TIMBER_MARK = TIMBER_MARK.TIMBER_MARK

Indexes:

OVRRDRTRL_ORSC_FK_I
OVERRIDE_RULE_STATUS_CODE
OVRRDRTRL_OVRDCATCD_FK_I
OVERRIDE_RULE_CATEGORY_CODE
OVRRDRTRL_TM_FK_I
TIMBER_MARK

Notes:

Each override rule may be updated until applied (i.e. a foreign key exists on either a scale return extension or segregation extension).

Once a rule has been applied only the Processing Expiry Date may be updated,
At this point the Processing Expiry date may be extended or may be shortened, but only as far back as last date processed.

Override rates may not be added if an Override Rate Date has been specified.

An Override Rate Date may not be specified if Override rates have been specified

Table: OVERRIDE_RULE_CATEGORY_CODE*Description:*

Identifies the category of returns that an override rating rule applies to:

e.g.

BC Beachcomb

PA Primary

WA Waste

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	OVERRIDE_RULE_CATEGORY_CODE A code used to identify a production type (i.e. waste, normal, beachcomb)	NOT NULL	VARCHAR2(2)
2	DESCRIPTION A textual description of a production type (i.e. primary, waste, beachcomb)	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: OVERRIDE_RULE_STATUS_CODE*Description:*

The current state of an override rule for rating logic:

e.g.

ACT Active

INA Inactive

PND Pending

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	OVERRIDE_RULE_STATUS_CODE A code used to identify the status of an override rule (e.g. active, inactive, pending)	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A textual description of the current state of an override rule	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: PCE_SCL_INVOICE*Description:*

This is the table that contains data unique to Piece Scale invoices.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	INVOICE_NUMBER The Invoice Number is a character string that appears on each printed invoice and uniquely identifies that invoice.	NOT NULL	VARCHAR2(7)
* 2	CANCELLATION_IND This attribute is used to identify invoices that are cancelling an invoice with the same Invoice_Number. It is set to "Y" only for a Piece Scale R2 transaction (Cancel and Replace). All other billing transactions are defaulted to "N".	NOT NULL	VARCHAR2(1)

Table: PERMIT_BLOCK*Description:*

Description of the legal area cleared by the Ministry (that is, no other claims for the land exist), for harvesting, haycutting or recreation purposes. This corresponds to the outlined areas on the Exhibit 'A' maps.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.	NOT NULL	VARCHAR2(10)
* 2	CUTTING_PERMIT_ID Identifier for a cutting permit associated with a quota type harvesting tenure.	NOT NULL	VARCHAR2(3)
* 3	PERMIT_BLOCK_ID Identifier for defining the outlined area on a map for the cutting permit.	NOT NULL	VARCHAR2(4)

Table: PIECE_SCALE_SUMMARY**Description:**

Captures source data for a version of a summary scale return

A super-type for piece scaled summary scale documents that have common relationships and/or attributes

Cruised based volume estimates are based on the systematic measurement of a forested area designed to estimate to a specified degree of accuracy the volume of timber it contains, by evaluating the number and species of trees, their sizes and conditions.

This volume estimate type will be used to capture volume estimates for residue and waste scale events.

Identifies a piece scale summary document type as primary scale

A summary scale return generated from special forest product detail return transactions

This summary volume estimate type is provided to permit the capture of volume estimates in extraordinary situations where none of the prescribed scaling event types can be used to capture the scale of harvested timber.

Field scale volume estimates are prepared for harvested timber that will not be scaled at a scale site for an undefined period of time. Field scale estimates are prepared by performing a full piece scale, ocular scale, sample piece scale, etc...

Represents an 'old style' piece scale summary of scale return (aka FS72).

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DOCUMENT_CONTROL_NUMBER Uniquely identifies a scale return	NOT NULL	NUMBER(10)
* 2	VERSION Identifies the version of a summary scale return. A new version is created when the scale return is replaced with changes.	NOT NULL	NUMBER(10)
3	PSSMRY_TYPE	NOT NULL	VARCHAR2(10)
4	LICENSE_NUMBER A number used to uniquely identify each scaler who is registered with the Ministry.	NULL	VARCHAR2(4)
5	QUANT_LIC_TYPE_CD	NULL	VARCHAR2(1)
6	RETURN_NUMBER A unique number (in conjunction with the scaler's licence number and date), and is assigned to a parcel of timber by a scaler. The scaler assigns #001 to the first parcel scaled each year and continues consecutively through to 999. If the scaler scales more than 999 parcels of timber in a year they then restart with 001. The dates will then determine the uniqueness of the number. <i>Also called a raft or tally number</i>	NULL	VARCHAR2(4)
7	SCALE_SITE_ID_NMBR An alphanumeric code used to uniquely identify a scale site.	NOT NULL	VARCHAR2(4)
8	SCALE_DATE The date of scale from the set of scale returns being summarized. <i>This is the 'last date of scale from the set of summarized returns (i.e. the set of returns are were not necessarily scaled on the the same date)</i>	NOT NULL	DATE
9	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NULL	VARCHAR2(6)
10	LOG_COUNT The number of individual logs referenced by a scale return	NOT NULL	NUMBER(6)
11	CLIENT_NUMBER_PAID_BY Sequentially assigned number to identify a ministry client.	NULL	VARCHAR2(8)
12	CLIENT_LOCN_CODE_PAID_BY A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NULL	VARCHAR2(2)
13	CLIENT_NUMBER_COPIED_TO Sequentially assigned number to identify a ministry client.	NULL	VARCHAR2(8)
14	CLIENT_LOCN_CODE_COPIED_TO A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NULL	VARCHAR2(2)
15	SCL_RTN_VERSION_STATE_CODE A code used to describe the current state of a summary scale return version	NOT NULL	VARCHAR2(3)
16	SCL_RTN_CATEGORY_CODE A code used to identify the format type of a summary scale return	NOT NULL	VARCHAR2(2)
17	INPUT_TIMBER_MARK	NULL	VARCHAR2(6)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	The "timber mark" supplied on the source document, designating the specific tenure and cutting permit, from which the tenure type, and tenure holder can be determined. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "timber mark" relationship</i>		
18	INPUT_SCALER_LICENSE_NUM A text string identifying the scaler that responsible for scaling a load of timber <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the scaler licence foreign key</i>	NULL	VARCHAR2(4)
19	ACTIVE_VERSION_IND Indicates that a version is the active version of interest to application processes	NOT NULL	VARCHAR2(1)
20	QUEUED_FOR_PRINT_IND Indicates that a summary scale document has been placed in a que for printing <i>*** no longer used (20090224)?</i>	NOT NULL	VARCHAR2(1)
21	VISIBILITY_IND Indicates if a return version can be displayed by the application. <i>This indicator is intergral to the input process for scale returns, as it is important not to display a return until the EDI validation process has successfully completed. It will also be used to implement the logical deletion (i.e. discarding) of a return.</i>	NOT NULL	VARCHAR2(1)
22	PLACE_OF_SCALE The name of the place where the timber was scaled <i>A text field used to identify where a load of timber was scale, in addition to the scale site id.</i>	NULL	VARCHAR2(40)
23	PENDING_TXN_COMMENT A text comment for pending transactions <i>*** Never used as of 20090224</i>	NULL	VARCHAR2(240)
24	NUMBER_OF_CHAINS The number of chains, swifter wires, dog straps, etc. used on a boom <i>As the field is not edited it may contain alpha and/or numeric characters</i>	NULL	VARCHAR2(14)
25	CAMP_BOOM_NUMBER The boom number or other identification assigned to the parcel by the owner <i>As the field is not edited it may contain alpha and/or numeric characters</i>	NULL	VARCHAR2(18)
26	NUMBER_OF_SECTIONS The number of sections within the boom <i>On input documents there is an implied decimal point between the last two characters (e.g., code 10.0 as 100) and must be resolved for this attribute</i>	NULL	NUMBER(3,1)
27	PERIOD_START_DATE Used to define the start date of the detail loads summarized on a summary return. <i>This field will normally identify the 1st of the month, but its main purpose is to identify the start date of summarizations that start in the middle of a month due to a mid month appraisal</i>	NULL	DATE
28	FIELD_SCALE_DECK_ID An identifier for a field scale deck of timber	NULL	VARCHAR2(1)
29	CUT_BLOCK_ID Identifies the cut block where the timber scaled on a piece scale summary return was harvested. <i>This data item cannot be validated with RI at this time as there is no standard set Cut blocks currently in use by both Industry and the Ministry</i>	NULL	VARCHAR2(10)
30	VERSION_COMMENT A text comment field pertaining to a scale document	NULL	VARCHAR2(240)
31	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
32	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
33	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
34	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

PSSMRY_CL_FK
 CLIENT_NUMBER_COPIED_TO = CLIENT_LOCATION.CLIENT_NUMBER

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

CLIENT_LOCN_CODE_COPIED_TO = CLIENT_LOCATION.CLIENT_LOCN_CODE
 PSSMRY_CL_PAID_BY_FK
 CLIENT_NUMBER_PAID_BY = CLIENT_LOCATION.CLIENT_NUMBER
 CLIENT_LOCN_CODE_PAID_BY = CLIENT_LOCATION.CLIENT_LOCN_CODE
 PSSMRY_HBSSR_FK
 DOCUMENT_CONTROL_NUMBER = HBS_SCALE_RETURN.DOCUMENT_CONTROL_NUMBER
 PSSMRY_PSSTYPCD_FK
 PSSMRY_TYPE = PS_SUMMARY_TYPE_CODE.PSSMRY_TYPE_CODE
 PSSMRY_SCA_FK
 LICENSE_NUMBER = SCALER.SCALER_LICENCE_NO
 PSSMRY_SRCATCD_FK
 SCL_RTN_CATEGORY_CODE = SCL_RTN_CATEGORY_CODE.SCL_RTN_CATEGORY_CODE
 PSSMRY_SRVERSTATE_FK
 SCL_RTN_VERSION_STATE_CODE = SCL_RTN_VERSION_STATE_CODE.SCL_RTN_VERSION_STATE_CODE
 PSSMRY_SS_FK
 SCALE_SITE_ID_NMBR = SCALE_SITE.SCALE_SITE_ID_NMBR
 PSSMRY_TM_FK
 TIMBER_MARK = TIMBER_MARK.TIMBER_MARK

Indexes:

PSSMRY_CL_FK_I
 CLIENT_NUMBER_COPIED_TO
 CLIENT_LOCN_CODE_COPIED_TO
 PSSMRY_CL_PAID_BY_FK_I
 CLIENT_NUMBER_PAID_BY
 CLIENT_LOCN_CODE_PAID_BY
 PSSMRY_HBSSR_FK_I
 DOCUMENT_CONTROL_NUMBER
 PSSMRY_SCA_FK_I
 LICENSE_NUMBER
 PSSMRY_SRCATCD_FK_I
 SCL_RTN_CATEGORY_CODE
 PSSMRY_SRVERSTATE_FK_I
 SCL_RTN_VERSION_STATE_CODE
 PSSMRY_SS_FK_I
 SCALE_SITE_ID_NMBR
 PSSMRY_TM_FK_I
 TIMBER_MARK

Notes:

The reliability of any cruise is based on statistical concepts and the cruise provides an estimate of the volume on the area cruised.

Table: PIECE_SCL_NOTATION*Description:*

Captures textual comments about a summary scale return version
 A subtype of Summary Return Notation...
 Captures textual comments about a piece scale return version.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	NTN_ID A generated unique identifier for the a summary scale return notation	NOT NULL	NUMBER(32)
2	DOCUMENT_CONTROL_NUMBER Uniquely identifies a scale return	NOT NULL	NUMBER(10)
3	VERSION Identifies the version of a summary scale return. A new version is created when the scale return is replaced with changes.	NOT NULL	NUMBER(10)
4	NOTATION_TYPE_CODE A code used to identify a type notation that may be appended to a summary scale return	NOT NULL	VARCHAR2(3)
5	NOTATION_NUMBER The sequence in which the notations were generated	NOT NULL	NUMBER(2)
6	TEXT Captures the text of the notation	NOT NULL	VARCHAR2(80)
7	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
8	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
9	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
10	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

PSNTN_NTC_FK
 NOTATION_TYPE_CODE = NOTATION_TYPE_CODE.NOTATION_TYPE_CODE
 PSNTN_PSSMRY_FK
 DOCUMENT_CONTROL_NUMBER = PIECE_SCALE_SUMMARY.DOCUMENT_CONTROL_NUMBER
 VERSION = PIECE_SCALE_SUMMARY.VERSION

Indexes:

PSNTN_NTC_FK_I
 NOTATION_TYPE_CODE
 PSNTN_PSSMRY_FK_I
 DOCUMENT_CONTROL_NUMBER
 VERSION

Table: PIECE_SCL_SEGREGATION**Description:**

Used to capture metrics about a specific species/product/grade segregation of timber
 Segregation details for a waste (waste and residue) piece scale return
 Segregation details for a normal or regular piece scale return (i.e. not a waste or beachcomb return)
 A sub-type of Piece Scl Segregation entity for capturing segregation details of scale returns that reference multiple marks
 A sub-type of Piece Scl Segregation entity for capturing segregation details of log salvage summary returns.

A subtype of Piece Scale Method Segregation...
 Captures segregation details for a piece scale summary scale return

Columns:

Seq.	Column	Nulls?	Type
* 1	SEGREGATION_ID A surrogate key uniquely identifying a segregation	NOT NULL	NUMBER(32)
2	PSSEG_TYPE	NOT NULL	VARCHAR2(10)
3	DOCUMENT_CONTROL_NUMBER Uniquely identifies a scale return	NOT NULL	NUMBER(10)
4	VERSION Identifies the version of a summary scale return. A new version is created when the scale return is replaced with changes.	NOT NULL	NUMBER(10)
5	SCALE_SPECIES_CODE A code used to identify a type of tree species	NULL	VARCHAR2(2)
6	SCALE_PRODUCT_CODE A code used to identify a type of timber product	NULL	VARCHAR2(2)
7	SCALE_GRADE_CODE A code used to identify a grade of timber	NULL	VARCHAR2(1)
8	NUMBER_OF_PIECES The number of pieces of timber (i.e. logs) or special forest products scaled for a segregation	NOT NULL	NUMBER(6)
9	VOLUME The total volume, in cubic meters, of the timber scaled in the segregation	NULL	NUMBER(9,3)
10	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NULL	VARCHAR2(6)
11	INPUT_SPECIES The species identifier supplied on the source document. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "species" component of the relationship to the Species Product Grade Xref entity</i>	NULL	VARCHAR2(2)
12	INPUT_PRODUCT The product identifier supplied on the source document. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "product" component of the relationship to the Species Product Grade Xref entity</i>	NULL	VARCHAR2(2)
13	INPUT_GRADE The grade identifier supplied on the source document. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "grade" component of the relationship to the Species Product Grade Xref entity</i>	NULL	VARCHAR2(1)
14	INPUT_BCOMB_TIMBER_MARK An input text string capturing all or partial timber mark that was visible on a salvaged log and coded on the scale return by the scaler. <i>This attribute is used to capture exactly what was coded on a scale return and may not validate against Timber Mark referential integrity constraints.</i>	NULL	VARCHAR2(6)
15	INPUT_OTHER_DESC An "Other Description" code supplied on the source document, describing items such as boomsticks, swifters, etc. that are not available in the product list. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "other description code" relationship</i>	NULL	VARCHAR2(3)
16	ARCHIVE_TIMBER_MARK A timber mark that was coded on the scale return by the scaler to indicate that a segregation was from multiple marks *** not used ***	NULL	VARCHAR2(6)
17	SB4_IND	NULL	VARCHAR2(1)

Columns:

Foreign Keys:

Indexes:

Notes:

This entity is required to handle data conversion of non-beachcomb scale returns that have been processed with multiple marks.

Segregation details for BCOMB scale returns can be identified by the entry of BCOMB1, BCOMB2, or BCOMB3 in the predominant mark attribut of the Summary Scale Return Version.

Table: PIECE_SCL_SEG_ERROR*Description:*

Records all errors encountered during edit events.

A subtype of Segregation Error...

Records errors encountered during edit events for piece scale return segregation data.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ERROR_ID Surrogate key for uniquely identifying an error	NOT NULL	NUMBER(32)
2	HBS_EDIT_ERR_CATEGORY_CODE A code used to identify an error category for an edit error	NOT NULL	VARCHAR2(3)
3	HBS_EDIT_ERR_MESSAGE_CODE A code used to identify an error message that an edit event may generate	NOT NULL	VARCHAR2(6)
4	SEGREGATION_ID A surrogate key uniquely identifying a segregation	NOT NULL	NUMBER(32)
5	ERROR_TIMESTAMP Date and time at which the error message was generated	NOT NULL	DATE

Foreign Keys:

PSSEGERR_EEMC_FK

HBS_EDIT_ERR_MESSAGE_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_CATEGORY_CODE

PSSEGERR_PSSEG_FK

SEGREGATION_ID = PIECE_SCL_SEGREGATION.SEGREGATION_ID

Indexes:

PSSEGERR_EEMC_FK_I

HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE

PSSEGERR_PSSEG_FK_I

SEGREGATION_ID

Table: PIECE_SCL_SMRY_TXN**Description:**

Captures derived scale return data generated during the processing of a scale return version

A subtype of Summary Return Transaction...

A record of a processing transaction applied against a weight or piece scale return version that will result in the generation of an invoice.

A subtype of Billable Summary Txn...

A record of a processing transaction applied against a peice scale Scale Return Version.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TRX_ID A generated unique identifier for the a summary scale return transaction	NOT NULL	NUMBER(32)
2	HBS_TXN_TYPE_CODE A code used to identify the type of transaction generated for a summary scale return version	NOT NULL	VARCHAR2(3)
3	INVOICE_NUMBER he Invoice Number is a character string that appears on each printed invoice and uniquely identifies that invoice.	NULL	VARCHAR2(7)
4	CANCELLATION_IND This attribute is used to identify invoices that are cancelling an invoice with the same Invoice_Number. It is set to "Y" only for a Piece Scale R2 transaction (Cancel and Replace). All other billing transactions are defaulted to "N".	NULL	VARCHAR2(1)
5	VERSION Identifies the version of a summary scale return. A new version is created when the scale return is replaced with changes.	NOT NULL	NUMBER(10)
6	HBS_TXN_STATUS_CODE A code used to describe the current state of a summary scale return transaction	NOT NULL	VARCHAR2(3)
7	TALLY_SKEY <i>Obsolete column</i>	NULL	NUMBER(10)
8	DOCUMENT_CONTROL_NUMBER Uniquely identifies a scale return	NOT NULL	NUMBER(10)
9	BATCH_ID Surrogate key for uniquely identifying a batch	NULL	NUMBER(32)
10	OVERRIDE_RATING_RULE_ID Surrogate key used to uniquely identify each instance of an rate override rule	NULL	NUMBER(32)
11	SMRYRETTXN_COMMENT A text comment for a transaction	NULL	VARCHAR2(240)
12	EVENT_SEQUENCE This is the sequence, repeating for each summary scale return version, that identifies the sequence of events for which transactions have been applied to a summary scale return version. e.g, transaction sequences for a return can be... 1 original 2 cancelled 3 replaced (this is the case where the return is cancelled and replaced at a later date resulting from 3 seperate user requests or cancelled and replaced with changes resulting from a single user request) or 1 original 2 cancelled 2 replaced (this is the case where the return is cancelled and replaced without changes resulting from a single user request)	NOT NULL	NUMBER(2)
13	DEBIT_CREDIT_TYPE Indicates if a transaction results in a debit (+) or credit (-) movement	NOT NULL	VARCHAR2(2)
14	INTEREST_REVERSAL_IND Indicates that a summary transaction will require interest reversal processing (Only applies to cancellations)	NULL	VARCHAR2(1)
15	CLIENT_NUMBER_PAID_BY Sequentially assigned number to identify a ministry client.	NOT NULL	VARCHAR2(8)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
16	CLIENT_LOCN_CODE_PAID_BY A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NOT NULL	VARCHAR2(2)
17	CLIENT_NUMBER_COPIED_TO Sequentially assigned number to identify a ministry client.	NULL	VARCHAR2(8)
18	CLIENT_LOCN_CODE_COPIED_TO A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NULL	VARCHAR2(2)
19	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
20	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
21	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
22	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

PSTXN_CLCAPTURING_THE_PAYEE_FK
 CLIENT_NUMBER_PAID_BY = CLIENT_LOCATION.CLIENT_NUMBER
 CLIENT_LOCN_CODE_PAID_BY = CLIENT_LOCATION.CLIENT_LOCN_CODE

PSTXN_CL_FK
 CLIENT_NUMBER_COPIED_TO = CLIENT_LOCATION.CLIENT_NUMBER
 CLIENT_LOCN_CODE_COPIED_TO = CLIENT_LOCATION.CLIENT_LOCN_CODE

PSTXN_FI_FK
 CANCELLATION_IND = FOREST_INVOICE.CANCELLATION_IND
 INVOICE_NUMBER = FOREST_INVOICE.INVOICE_NUMBER

PSTXN_HBSOUTBAT_FK
 BATCH_ID = HBS_OUTPUT_BATCH.BATCH_ID

PSTXN_HBSTSC_FK
 HBS_TXN_STATUS_CODE = HBS_TXN_STATUS_CODE.HBS_TXN_STATUS_CODE

PSTXN_HBSTTC_FK
 HBS_TXN_TYPE_CODE = HBS_TXN_TYPE_CODE.HBS_TXN_TYPE_CODE

PSTXN_OVRRDRTRL_FK
 OVERRIDE_RATING_RULE_ID = OVERRIDE_RATING_RULE.OVERRIDE_RATING_RULE_ID

PSTXN_PSSMRY_FK
 DOCUMENT_CONTROL_NUMBER = PIECE_SCALE_SUMMARY.DOCUMENT_CONTROL_NUMBER
 VERSION = PIECE_SCALE_SUMMARY.VERSION

Indexes:

PSTXN_CLCAPTURING_THE_PAYEE__I
 CLIENT_NUMBER_PAID_BY
 CLIENT_LOCN_CODE_PAID_BY

PSTXN_CL_FK_I
 CLIENT_NUMBER_COPIED_TO
 CLIENT_LOCN_CODE_COPIED_TO

PSTXN_FI_FK_I
 CANCELLATION_IND
 INVOICE_NUMBER

PSTXN_HBSOUTBAT_FK_I
 BATCH_ID

PSTXN_HBSTSC_FK_I
 HBS_TXN_STATUS_CODE

PSTXN_HBSTTC_FK_I
 HBS_TXN_TYPE_CODE

PSTXN_OVRRDRTRL_FK_I

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

 OVERRIDE_RATING_RULE_ID
PSTXN_PSSMRY_FK_I
 DOCUMENT_CONTROL_NUMBER
 VERSION

Table: PIECE_SCL_TXN_SEGREGATION**Description:**

Captures derived data being applied to summary scale return segregations

A subtype of Summary Return Txn Segregation whose instances will capture invoice detail information for a summary return segregation.

A subtype of Billable Txn Segregation...

This entity captures derived information regarding the processing of a transaction against a piece scale return segregation.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TXN_SEG_ID A generated unique identifier for the a summary scale return transaction segregation	NOT NULL	NUMBER(32)
2	TRX_ID A generated unique identifier for the a summary scale return transaction	NOT NULL	NUMBER(32)
3	SEGREGATION_ID A surrogate key uniquely identifying a segregation	NOT NULL	NUMBER(32)
4	DOCUMENT_CONTROL_NUMBER Uniquely identifies a scale return	NOT NULL	NUMBER(10)
5	VERSION Identifies the version of a summary scale return. A new version is created when the scale return is replaced with changes.	NOT NULL	NUMBER(10)
6	SCALE_GRADE_CODE A code used to identify a grade of timber	NOT NULL	VARCHAR2(1)
7	SCALE_PRODUCT_CODE A code used to identify a type of timber product	NOT NULL	VARCHAR2(2)
8	SCALE_SPECIES_CODE A code used to identify a type of tree species	NOT NULL	VARCHAR2(2)
9	VOLUME The total volume for a segregation	NULL	NUMBER(15,3)
10	VALUE The value that a segregation was billed for	NULL	NUMBER(15,2)
11	RATE The rate at which a segregation was billed	NULL	NUMBER(6,2)
12	OVERRIDE_RATE_ID Surrogate key used to identify each instance of an override rate	NULL	NUMBER(32)
13	WSTRT_ID	NULL	NUMBER(32)
14	RATE_SOURCE Identifies the source of the rate with regard to the 'logic' path taken, and decisions made, by the price lookup function in obtaining or determining an appropriate rate. <i>Phase 3 attributes</i>	NULL	VARCHAR2(40)
15	RESERVE_STMPG_RATE_COMPONENT Describes the reserve stumpage rate portion of the rate <i>Phase 3 attributes</i>	NULL	NUMBER(6,2)
16	BONUS_BID_RATE_COMPONENT Describes the bonus bid portion of the rate <i>Phase 3 attributes</i>	NULL	NUMBER(6,2)
17	DEV_LEVY_RATE_COMPONENT Describes the development levy portion of the rate <i>Phase 3 attributes</i>	NULL	NUMBER(6,2)
18	SILV_LEVY_RATE_COMPONENT Describes the silviculture levy portion of the rate <i>Phase 3 attributes</i>	NULL	NUMBER(6,2)
19	RESERVE_STMPG_AMOUNT_COMPONENT The portion of the segregation value amount attributed to the reserve stumpage rate component	NULL	NUMBER(15,2)
20	BONUS_BID_AMOUNT_COMPONENT The portion of the segregation value amount attributed to the bonus bid rate component	NULL	NUMBER(15,2)
21	DEV_LEVY_AMOUNT_COMPONENT The portion of the segregation value amount attributed to the development levy rate component	NULL	NUMBER(15,2)
22	SILV_LEVY_AMOUNT_COMPONENT The portion of the segregation value amount attributed to the silviculture levy rate component	NULL	NUMBER(15,2)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
23	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
24	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
25	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
26	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

PSXSEG_OVERRD_RATE_FK
OVERRIDE_RATE_ID = OVERRIDE_RATE.OVERRIDE_RATE_ID

PSXSEG_PSSEG_FK
SEGREGATION_ID = PIECE_SCL_SEGREGATION.SEGREGATION_ID

PSXSEG_PSSMRY_FK
DOCUMENT_CONTROL_NUMBER = PIECE_SCALE_SUMMARY.DOCUMENT_CONTROL_NUMBER
VERSION = PIECE_SCALE_SUMMARY.VERSION

PSXSEG_PSTXN_FK
TRX_ID = PIECE_SCL_SMRY_TXN.TRX_ID

PSXSEG_SSPGXREF_FK
SCALE_SPECIES_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_SPECIES_CODE
SCALE_PRODUCT_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_PRODUCT_CODE
SCALE_GRADE_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_GRADE_CODE

PSXSEG_WSTRT_FK
WSTRT_ID = WASTE_RESIDUE_RATE.WSTRT_ID

Indexes:

PSXSEG_OVERRD_RATE_FK_I
OVERRIDE_RATE_ID

PSXSEG_PSSEG_FK_I
SEGREGATION_ID

PSXSEG_PSSMRY_FK_I
DOCUMENT_CONTROL_NUMBER
VERSION

PSXSEG_PSTXN_FK_I
TRX_ID

PSXSEG_SSPGXREF_FK_I
SCALE_SPECIES_CODE
SCALE_PRODUCT_CODE
SCALE_GRADE_CODE

PSXSEG_WSTRT_FK_I
WSTRT_ID

Table: PIECE_SCL_VERSION_ERROR*Description:*

Records all errors encountered during edit events.

A subtype of Scale Return Version Error...

Records errors encountered during edit events for piece scale version data.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ERROR_ID Surrogate key for uniquely identifying an error	NOT NULL	NUMBER(32)
2	HBS_EDIT_ERR_MESSAGE_CODE A code used to identify an error message that an edit event may generate	NOT NULL	VARCHAR2(6)
3	HBS_EDIT_ERR_CATEGORY_CODE A code used to identify an error category for an edit error	NOT NULL	VARCHAR2(3)
4	DOCUMENT_CONTROL_NUMBER Uniquely identifies a scale return	NOT NULL	NUMBER(10)
5	VERSION Identifies the version of a summary scale return. A new version is created when the scale return is replaced with changes.	NOT NULL	NUMBER(10)
6	ERROR_TIMESTAMP Date and time at which the error message was generated	NOT NULL	DATE

Foreign Keys:

PSVERR_EEMC_FK

HBS_EDIT_ERR_MESSAGE_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_CATEGORY_CODE

PSVERR_PSSMRY_FK

DOCUMENT_CONTROL_NUMBER = PIECE_SCALE_SUMMARY.DOCUMENT_CONTROL_NUMBER

VERSION = PIECE_SCALE_SUMMARY.VERSION

Indexes:

PSVERR_EEMC_FK_I

HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE

PSVERR_PSSMRY_FK_I

DOCUMENT_CONTROL_NUMBER

VERSION

Table: POPULATION*Description:*

This entity records information about a weight scale population (i.e. "the aggregate of all truck loads weighed in a given period")

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	POPULATION_NUMBER A number uniquely identifying a population	NOT NULL	VARCHAR2(4)
* 2	SAMPLING_YEAR Describes a period within which loads of timber are attributed to a particular stratum within a population <i>This column is specified as Number (5) due to the use of legacy tables during the original implementation of HBS Phase 1</i>	NOT NULL	NUMBER(5)
3	ORG_UNIT_NO Unique physical identifier for the storage of organizational unitcodes for the Ministry of Forests' offices. Values stored here are for the computer's use only, and are not to be used by people as "ministry codes".	NULL	NUMBER(10)
4	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NULL	VARCHAR2(8)
5	CLIENT_LOCN_CODE A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NULL	VARCHAR2(2)
6	STRATUM_COUNT Number of strata in a population	NOT NULL	NUMBER(4)
7	RATIO_TYPE_CODE	NOT NULL	VARCHAR2(1)
8	ESTIMATED_TOTAL_VOLUME The estimated total volume of an average load for a population	NOT NULL	NUMBER(15,3)
9	ESTIMATED_TOTAL_LOADS Initial estimate of the number of billed loads in a population	NOT NULL	NUMBER(7)
10	ESTIMATED_LOAD_SIZE Estimated average load volume for a population (volume in cubic meters to 3 decimal places).	NOT NULL	NUMBER(15,3)
11	SAMPLE_LOADS Number of sample loads in a population	NOT NULL	NUMBER(7)
12	BILLED_LOADS Number of billed loads in a population	NOT NULL	NUMBER(7)
13	SAMPLE_LOAD_SIZE The average volume of all loads sampled in a population	NOT NULL	NUMBER(7,3)
14	SAMPLE_VOLUME The total volume of all loads sampled in a population	NOT NULL	NUMBER(10,3)
15	BILLED_VOLUME The total volume of all billed loads in a population	NOT NULL	NUMBER(10,3)
16	SAMPLE_WEIGHT The total weight of all loads sampled in a population	NOT NULL	NUMBER(12)
17	BILLED_WEIGHT The total weight of of all loads billed in a population	NOT NULL	NUMBER(12)
18	RATIO The computed volume to weight ratio of all loads sampled in a population	NOT NULL	NUMBER(6,5)
19	POP_VARIANCE The variance (square of the standard deviation) of the population total volume <i>refer to Appendix 9 of the scaling manual for detailed information about this data item</i>	NOT NULL	NUMBER
20	DEGREES_OF_FREEDOM A statistical constraint (function of the number of samples and the number of strata) <i>refer to Appendix 9 of the scaling manual for detailed information about this data item</i>	NOT NULL	NUMBER(5)
21	PRECISION The precision of the population total volume as a percentage (e.g. within plus or minus n.nn%) <i>refer to Appendix 9 of the scaling manual for detailed information about this data item</i>	NOT NULL	NUMBER(5,2)
22	EFFECTIVE_DATE The date the code becomes effective.	NULL	DATE
23	EXPIRY_DATE The date after which the code is no longer available for use.	NULL	DATE
24	ENTRY_USERID	NOT NULL	VARCHAR2(30)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
25	ENTRY_TIMESTAMP The USERID of the individual who entered the information. The date and time on which the record was created.	NOT NULL	DATE
26	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
27	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

POP_CL_FK
 CLIENT_NUMBER = CLIENT_LOCATION.CLIENT_NUMBER
 CLIENT_LOCN_CODE = CLIENT_LOCATION.CLIENT_LOCN_CODE
 POP_MOF_OU_FK
 ORG_UNIT_NO = ORG_UNIT.ORG_UNIT_NO
 POP_RTC_FK
 RATIO_TYPE_CODE = RATIO_TYPE_CODE.RATIO_TYPE_CODE

Indexes:

POP_CL_FK_I
 CLIENT_NUMBER
 CLIENT_LOCN_CODE
 POP_MOF_OU_FK_I
 ORG_UNIT_NO
 POP_RTC_FK_I
 RATIO_TYPE_CODE

Notes:

Population numbers (i.e. identifiers) have become fairly static and are now generally associated with a particular company.

Table: POPULATION_GRADE_STATS**Description:**

A supertype, providing common attributes, for the various statistics calculated for a population
 Current calculated statistics recorded at the grade level for a population

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	POPULATION_NUMBER A number uniquely identifying a population	NOT NULL	VARCHAR2(4)
* 2	SAMPLING_YEAR Describes a period within which loads of timber are attributed to a particular stratum within a population <i>This column is specified as Number (5) due to the use of legacy tables during the original implementation of HBS Phase 1</i>	NOT NULL	NUMBER(5)
* 3	SCALE_GRADE_CODE A code used to identify a grade of timber	NOT NULL	VARCHAR2(1)
4	SAMPLE_LOADS The number of loads sampled, at the various levels of stats calculations being captured by this entity's subtypes. eg. the number of loads sampled in a population that contained a specific grade the number of loads sampled in a stratum that contained a specific segregation etc...	NULL	NUMBER(5)
5	SAMPLE_VOLUME The total volume sampled, at the various levels of stats calculations being captured by this entity's subtypes. eg. the total volume sampled for a specific grade within a population the total volume sampled for a specific segregation within a stratum etc...	NULL	NUMBER(15,3)
6	VOLUME_FRACTION The volume fraction (%), at the various levels of stats calculations being captured by this entity's subtypes. eg. the volume fraction for a specific species for all sample loads within a population the volume fraction for a specific segregation for all sample loads within a population etc...	NULL	NUMBER(5,2)
7	RATIO The ratio (m3/tonne), at the various levels of stats calculations being captured by this entity's subtypes. eg. the ratio for a specific species for all sample loads within a population the ratio for a specific segregation for all sample loads within a population etc...	NULL	NUMBER(6,5)
8	BILLED_VOLUME The volume billed (m3), at the various levels of stats calculations being captured by this entity's subtypes. eg. the volume estimate for a specific species for all billed loads within a population the volume estimate for a specific segregation for all billed loads within a population etc...	NULL	NUMBER(15,3)
9	VARIANCE The variance (square of the standard deviation) of the total volume at the various levels of stats calculations being captured by this entity's subtypes. eg. the variance of the volume estimate of a species in all billed loads for a population the variance of the volume estimate of a segregation in all billed loads for a population etc... <i>refer to Appendix 9 of the scaling manual for detailed information about this data item</i>	NULL	NUMBER

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
10	PRECISION	NULL	NUMBER(5,2)
	The precision of the population total volume as a percentage (e.g. within plus or minus n.nn%), at the various levels of stats calculations being captured by this entity's subtypes.		
	eg.		
	the precision of the volume estimate of a species in all billed loads for a population		
	the precision of the volume estimate of a segregation in all billed loads for a population		
	etc...		
	<i>refer to Appendix 9 of the scaling manual for detailed information about this data item</i>		

Foreign Keys:

POPGRDSTAT_POP_FK
POPULATION_NUMBER = POPULATION.POPULATION_NUMBER
SAMPLING_YEAR = POPULATION.SAMPLING_YEAR
POPGRDSTAT_SGCT_FK
SCALE_GRADE_CODE = SCALE_GRADE_CODE.SCALE_GRADE_CODE

Indexes:

POPGRDSTAT_POP_FK_I
POPULATION_NUMBER
SAMPLING_YEAR
POPGRDSTAT_SGCT_FK_I
SCALE_GRADE_CODE

Table: POPULATION_PROFILE*Description:*

Captures client profile settings for a population with regard to sample compilation and ration statement processing frequencies

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
1	POPULATION_NUMBER A number uniquely identifying a population	NULL	VARCHAR2(4)
2	SAMPLING_YEAR Describes a period within which loads of timber are attributed to a particular stratum within a population <i>This column is specified as Number (5) due to the use of legacy tables during the original implementation of HBS Phase 1</i>	NULL	NUMBER(5)
* 3	POPPROF_ID A unique identifier (surrogate) for a population profile entry	NOT NULL	NUMBER(32)
4	HBS_FREQUENCY_TYPE_CODE A code used to identify a type of frequency control to be used for the submission, summarization, and processing of scale data	NOT NULL	VARCHAR2(4)
5	NEXT_RATIO_STMT_DATE The next date that ratio statement will be generated for a population	NOT NULL	DATE
6	LAST_RATIO_STMT_DATE The last date that ratio statement was generated for a population	NOT NULL	DATE
7	START_RATIO_STMT_DATE The first date upon which a ratio statement was, or is, scheduled to generated for a population	NULL	DATE
8	FINAL_BILL_DATE The date upon which (on or after) final billing is scheduled to process for a population <i>The default is 60 days after the Population expiry date</i>	NULL	DATE
9	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
10	EXPIRY_DATE The date after which the code is no longer available for use.	NULL	DATE
11	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
12	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
13	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
14	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Unique Constraints:

POPPROF_POPPROF_UID_UK
POPULATION_NUMBER
SAMPLING_YEAR
EFFECTIVE_DATE

Foreign Keys:

POPPROF_FREQTYP_FK
HBS_FREQUENCY_TYPE_CODE = HBS_FREQUENCY_TYPE_CODE.HBS_FREQUENCY_TYPE_CODE
POPPROF_POP_FK
POPULATION_NUMBER = POPULATION.POPULATION_NUMBER
SAMPLING_YEAR = POPULATION.SAMPLING_YEAR

Indexes:

POPPROF_CL_FK_I
POPPROF_FREQTYP_FK_I
HBS_FREQUENCY_TYPE_CODE
POPPROF_POP_FK_I
POPULATION_NUMBER
SAMPLING_YEAR

Table: POPULATION_SEGREGATION_STATS**Description:**

A supertype, providing common attributes, for the various statistics calculated for a population
 Current calculated statistics recorded at the segregation level for a population

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	POPULATION_NUMBER A number uniquely identifying a population	NOT NULL	VARCHAR2(4)
* 2	SAMPLING_YEAR Describes a period within which loads of timber are attributed to a particular stratum within a population <i>This column is specified as Number (5) due to the use of legacy tables during the original implementation of HBS Phase 1</i>	NOT NULL	NUMBER(5)
* 3	SCALE_SPECIES_CODE A code used to identify a type of tree species	NOT NULL	VARCHAR2(2)
* 4	SCALE_PRODUCT_CODE A code used to identify a type of timber product	NOT NULL	VARCHAR2(2)
* 5	SCALE_GRADE_CODE A code used to identify a grade of timber	NOT NULL	VARCHAR2(1)
6	SAMPLE_LOADS The number of loads sampled, at the various levels of stats calculations being captured by this entity's subtypes. eg. the number of loads sampled in a population that contained a specific grade the number of loads sampled in a stratum that contained a specific segregation etc...	NULL	NUMBER(5)
7	SAMPLE_VOLUME The total volume sampled, at the various levels of stats calculations being captured by this entity's subtypes. eg. the total volume sampled for a specific grade within a population the total volume sampled for a specific segregation within a stratum etc...	NULL	NUMBER(15,3)
8	VOLUME_FRACTION The volume fraction (%), at the various levels of stats calculations being captured by this entity's subtypes. eg. the volume fraction for a specific species for all sample loads within a population the volume fraction for a specific segregation for all sample loads within a population etc...	NULL	NUMBER(5,2)
9	RATIO The ratio (m3/tonne), at the various levels of stats calculations being captured by this entity's subtypes. eg. the ratio for a specific species for all sample loads within a population the ratio for a specific segregation for all sample loads within a population etc...	NULL	NUMBER(6,5)
10	BILLED_VOLUME The volume billed (m3), at the various levels of stats calculations being captured by this entity's subtypes. eg. the volume estimate for a specific species for all billed loads within a population the volume estimate for a specific segregation for all billed loads within a population etc...	NULL	NUMBER(15,3)
11	VARIANCE The variance (square of the standard deviation) of the total volume at the various levels of stats calculations being captured by this entity's subtypes. eg.	NULL	NUMBER

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	the variance of the volume estimate of a species in all billed loads for a population the variance of the volume estimate of a segregation in all billed loads for a population etc...		
12	<i>refer to Appendix 9 of the scaling manual for detailed information about this data item</i> PRECISION The precision of the population total volume as a percentage (e.g. within plus or minus n.nn%), at the various levels of stats calculations being captured by this entity's subtypes. eg. the precision of the volume estimate of a species in all billed loads for a population the precision of the volume estimate of a segregation in all billed loads for a population etc... <i>refer to Appendix 9 of the scaling manual for detailed information about this data item</i>	NULL	NUMBER(5,2)

Foreign Keys:

POPSEGSTAT_POP_FK
 POPULATION_NUMBER = POPULATION.POPULATION_NUMBER
 SAMPLING_YEAR = POPULATION.SAMPLING_YEAR
 POPSEGSTAT_SSPGXREF_FK
 SCALE_SPECIES_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_SPECIES_CODE
 SCALE_PRODUCT_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_PRODUCT_CODE
 SCALE_GRADE_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_GRADE_CODE

Indexes:

POPSEGSTAT_POP_FK_I
 POPULATION_NUMBER
 SAMPLING_YEAR
 POPSEGSTAT_SSPGXREF_FK_I
 SCALE_SPECIES_CODE
 SCALE_PRODUCT_CODE
 SCALE_GRADE_CODE

Table: POPULATION_SPECIES_STATS**Description:**

A supertype, providing common attributes, for the various statistics calculated for a population
 Current calculated statistics recorded at the species level for a population

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	POPULATION_NUMBER A number uniquely identifying a population	NOT NULL	VARCHAR2(4)
* 2	SAMPLING_YEAR Describes a period within which loads of timber are attributed to a particular stratum within a population <i>This column is specified as Number (5) due to the use of legacy tables during the original implementation of HBS Phase 1</i>	NOT NULL	NUMBER(5)
* 3	SCALE_SPECIES_CODE A code used to identify a type of tree species	NOT NULL	VARCHAR2(2)
4	SAMPLE_LOADS The number of loads sampled, at the various levels of stats calculations being captured by this entity's subtypes. eg. the number of loads sampled in a population that contained a specific grade the number of loads sampled in a stratum that contained a specific segregation etc...	NULL	NUMBER(5)
5	SAMPLE_VOLUME The total volume sampled, at the various levels of stats calculations being captured by this entity's subtypes. eg. the total volume sampled for a specific grade within a population the total volume sampled for a specific segregation within a stratum etc...	NULL	NUMBER(15,3)
6	VOLUME_FRACTION The volume fraction (%), at the various levels of stats calculations being captured by this entity's subtypes. eg. the volume fraction for a specific species for all sample loads within a population the volume fraction for a specific segregation for all sample loads within a population etc...	NULL	NUMBER(5,2)
7	RATIO The ratio (m3/tonne), at the various levels of stats calculations being captured by this entity's subtypes. eg. the ratio for a specific species for all sample loads within a population the ratio for a specific segregation for all sample loads within a population etc...	NULL	NUMBER(6,5)
8	BILLED_VOLUME The volume billed (m3), at the various levels of stats calculations being captured by this entity's subtypes. eg. the volume estimate for a specific species for all billed loads within a population the volume estimate for a specific segregation for all billed loads within a population etc...	NULL	NUMBER(15,3)
9	VARIANCE The variance (square of the standard deviation) of the total volume at the various levels of stats calculations being captured by this entity's subtypes. eg. the variance of the volume estimate of a species in all billed loads for a population the variance of the volume estimate of a segregation in all billed loads for a population etc... <i>refer to Appendix 9 of the scaling manual for detailed information about this data item</i>	NULL	NUMBER

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
10	PRECISION	NULL	NUMBER(5,2)
	The precision of the population total volume as a percentage (e.g. within plus or minus n.nn%), at the various levels of stats calculations being captured by this entity's subtypes.		
	eg.		
	the precision of the volume estimate of a species in all billed loads for a population		
	the precision of the volume estimate of a segregation in all billed loads for a population		
	etc...		
	<i>refer to Appendix 9 of the scaling manual for detailed information about this data item</i>		

Foreign Keys:

POPSPCSTAT_POP_FK
 POPULATION_NUMBER = POPULATION.POPULATION_NUMBER
 SAMPLING_YEAR = POPULATION.SAMPLING_YEAR
 POPSPCSTAT_SSC_FK
 SCALE_SPECIES_CODE = SCALE_SPECIES_CODE.SCALE_SPECIES_CODE

Indexes:

POPSPCSTAT_POP_FK_I
 POPULATION_NUMBER
 SAMPLING_YEAR
 POPSPCSTAT_SSC_FK_I
 SCALE_SPECIES_CODE

Table: PROCESSING_STATUS_CODE*Description:*

A code table containing the list of statuses that a report can be in(submitted, processing, completed, and error).

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	PROCESSING_STATUS_CODE	NOT NULL	VARCHAR2(3)
	A code identifying the status that a report is be in(submitted, processing, completed, and error).		
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
	A text description of a code used to identify statuses that a report can be in(submitted, processing, completed, and error).		
3	EFFECTIVE_DATE	NOT NULL	DATE
	The date at which a code becomes effective and available for use		
4	EXPIRY_DATE	NOT NULL	DATE
	The date at which a code expires and is no longer effective or available for use		
5	UPDATE_TIMESTAMP	NOT NULL	DATE
	The date and time of the last update to a code (includes the insert date)		

Table: PROV_FOREST_USE*Description:*

General header information to identify the type of forest land use managed by the Ministry of Forests (eg., timber tenures, grazing tenures, recreation files, forest service roads, etc.). This is the main access point for examining land use information.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID	NOT NULL	VARCHAR2(10)
	File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.		

Table: PS_INV_DETAIL*Description:*

This table contains all the value and volume information at a segregation level for a Piece Scale Invoice. The segregation is at the Timber Mark / Species / Product Code / Grade level.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	INVOICE_NUMBER The Invoice Number is a character string that appears on each printed invoice and uniquely identifies that invoice.	NOT NULL	VARCHAR2(7)
* 2	CANCELLATION_IND This attribute is used to identify invoices that are cancelling an invoice with the same Invoice_Number. It is set to "Y" only for a Piece Scale R2 transaction (Cancel and Replace). All other billing transactions are defaulted to "N".	NOT NULL	VARCHAR2(1)
* 3	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NOT NULL	VARCHAR2(6)
* 4	HDBS_TREE_SPECIES A Code that identifies the species of log or material being invoiced.	NOT NULL	VARCHAR2(2)
* 5	FOREST_PRODUCT_CD A Code that further qualifies the type of material being invoiced. It specifies whether the material is something other than logs, eg. Fence Posts, or Telephone Poles, or Christmas trees.	NOT NULL	VARCHAR2(2)
* 6	OTHER_LOG_DESC_CD A Code that further qualifies the type of material being invoiced. Eg. Shards, Stumps, etc.	NOT NULL	VARCHAR2(3)
* 7	LOG_GRADE An alpha field that indicates the overall quality of the timber and thus infers a certain value.	NOT NULL	VARCHAR2(1)
* 8	REVENUE_CLASSN_CD This code indicates the type of revenue that was earned. It is used to report revenue to the General Ledger.	NOT NULL	VARCHAR2(3)
* 9	NMV_INDICATOR This attribute indicates if the scale was performed on material where there was no discernible Timber Mark.	NOT NULL	VARCHAR2(1)
* 10	SB4_INDICATOR This attribute indicates if the material for the current segregation has been scaled before.	NOT NULL	VARCHAR2(1)
* 11	MARKING_PAINT_CODE This is a flag is used in the assigning of a Timber Mark for the specific line of piece scale detail. It refers to a paint color, i.e. "SI" = Silver, "RE" = Red, "BA" = Black.	NOT NULL	VARCHAR2(2)

Table: PS_SUMMARY_TYPE_CODE*Description:*

A code used to identify a type of piece scale summary scale return document.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	PSSMRY_TYPE_CODE A code used to identify a type of piece scale summary scale return document.	NOT NULL	VARCHAR2(10)
2	DESCRIPTION A text description of a code used to describe a type of piece scale summary scale document	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date at which a code becomes effective and available for use	NOT NULL	DATE
4	EXPIRY_DATE The date at which a code expires and is no longer effective or available for use	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to a code (includes the insert date)	NOT NULL	DATE

Notes:

These codes were originally created by designer as an implementation of sub-types within the Piece Scale Summary entity. There became to many and a code table is now more appropriate

Table: RATIO_HISTORY**Description:**

Timestamped snapshots of stratum segregation stats, taken whenever a ration statement is generated for a stratum

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>																																																															
* 1	RATIO_HIST_ID A unique identifier (surrogate) for a ratio history record	NOT NULL	NUMBER(32)																																																															
2	RATIO_TIMESTAMP The date and time that the data supporting a ratio is formalized on a ratio statement	NOT NULL	DATE																																																															
3	POPULATION_NUMBER	NOT NULL	VARCHAR2(4)																																																															
4	SAMPLING_YEAR <i>This column is specified as Number (5) due to the use of legacy tables during the original implementation of HBS Phase 1</i>	NOT NULL	NUMBER(5)																																																															
5	STRATUM_NUMBER	NOT NULL	VARCHAR2(2)																																																															
6	SCALE_SPECIES_CODE	NOT NULL	VARCHAR2(2)																																																															
7	SCALE_PRODUCT_CODE	NOT NULL	VARCHAR2(2)																																																															
8	SCALE_GRADE_CODE	NOT NULL	VARCHAR2(1)																																																															
9	STATEMENT_NUMBER A unique identifier generated for each statement. <i>To accommodate downstream systems the statement identifier will conform to the current format supported by HDBS (i.e. 7 character alphanumeric).</i>	NULL	VARCHAR2(7)																																																															
 <i>To ensure a sufficient number of unique statement identifiers, given the aforementioned constraint, the following scheme will be implemented to identify the various types of documents</i>																																																																		
<table><tr><th>Statement type</th><th></th><th>pos 1</th><th>pos 2</th><th>pos 3</th><th>pos 4</th><th>pos 5</th><th>pos 6</th><th>pos 7</th></tr><tr><td>Piece Scale Invoices</td><td>Q, R, or S</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Weight Scale Invoices</td><td>X, Y, or Z</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Piece Scale Vol Stmt</td><td>L, M, or N</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Weight ScaleVol Stmt</td><td>T, U, or V</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Compiled Sample Stmt</td><td>B, C, or D</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr><tr><td>Ratio Stmt</td><td>F, G, or H</td><td>0-9, A-Z</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td><td>0-9</td></tr></table>				Statement type		pos 1	pos 2	pos 3	pos 4	pos 5	pos 6	pos 7	Piece Scale Invoices	Q, R, or S	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	0-9	Weight Scale Invoices	X, Y, or Z	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	0-9	Piece Scale Vol Stmt	L, M, or N	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	0-9	Weight ScaleVol Stmt	T, U, or V	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	0-9	Compiled Sample Stmt	B, C, or D	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	0-9	Ratio Stmt	F, G, or H	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	0-9
Statement type		pos 1	pos 2	pos 3	pos 4	pos 5	pos 6	pos 7																																																										
Piece Scale Invoices	Q, R, or S	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	0-9																																																										
Weight Scale Invoices	X, Y, or Z	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	0-9																																																										
Piece Scale Vol Stmt	L, M, or N	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	0-9																																																										
Weight ScaleVol Stmt	T, U, or V	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	0-9																																																										
Compiled Sample Stmt	B, C, or D	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	0-9																																																										
Ratio Stmt	F, G, or H	0-9, A-Z	0-9	0-9	0-9	0-9	0-9	0-9																																																										
10	SAMPLE_LOADS The number of loads sampled, at the various levels of stats calculations being captured by this entity's subtypes. eg. the number of loads sampled in a population that contained a specific grade the number of loads sampled in a stratum that contained a specific segregation etc...	NULL	NUMBER(5)																																																															
11	SAMPLE_VOLUME The total volume sampled, at the various levels of stats calculations being captured by this entity's subtypes. eg. the total volume sampled for a specific grade within a population the total volume sampled for a specific segregation within a stratum etc...	NULL	NUMBER(15,3)																																																															
12	VOLUME_FRACTION The volume fraction (%), at the various levels of stats calculations being captured by this entity's subtypes. eg. the volume fraction for a specific species for all sample loads within a population the volume fraction for a specific segregation for all sample loads within a population etc...	NULL	NUMBER(5,2)																																																															
13	RATIO The ratio (m3/tonne), at the various levels of stats calculations being captured by this entity's subtypes. eg.	NULL	NUMBER(6,5)																																																															

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	the ratio for a specific species for all sample loads within a population the ratio for a specific segregation for all sample loads within a population etc...		
14	BILLED_VOLUME The volume billed (m3), at the various levels of stats calculations being captured by this entity's subtypes. eg. the volume estimate for a specific species for all billed loads within a population the volume estimate for a specific segregation for all billed loads within a population etc...	NULL	NUMBER(15,3)
15	VARIANCE The variance (square of the standard deviation) of the total volume at the various levels of stats calculations being captured by this entity's subtypes. eg. the variance of the volume estimate of a species in all billed loads for a population the variance of the volume estimate of a segregation in all billed loads for a population etc... <i>refer to Appendix 9 of the scaling manual for detailed information about this data item</i>	NULL	NUMBER
16	PRECISION The precision of the population total volume as a percentage (e.g. within plus or minus n.nn%), at the various levels of stats calculations being captured by this entity's subtypes. eg. the precision of the volume estimate of a species in all billed loads for a population the precision of the volume estimate of a segregation in all billed loads for a population etc... <i>refer to Appendix 9 of the scaling manual for detailed information about this data item</i>	NULL	NUMBER(5,2)

Foreign Keys:

RATHIST_RATIOSTMT_FK
 STATEMENT_NUMBER = HBS_RATIO_STATEMENT.STATEMENT_NUMBER

RATHIST_STRSEGSTAT_FK
 POPULATION_NUMBER = STRATUM_SEGREGATION_STATS.POPULATION_NUMBER
 SAMPLING_YEAR = STRATUM_SEGREGATION_STATS.SAMPLING_YEAR
 STRATUM_NUMBER = STRATUM_SEGREGATION_STATS.STRATUM_NUMBER
 SCALE_SPECIES_CODE = STRATUM_SEGREGATION_STATS.SCALE_SPECIES_CODE
 SCALE_PRODUCT_CODE = STRATUM_SEGREGATION_STATS.SCALE_PRODUCT_CODE
 SCALE_GRADE_CODE = STRATUM_SEGREGATION_STATS.SCALE_GRADE_CODE

Indexes:

RATHIST_RATIOSTMT_FK_I
 STATEMENT_NUMBER
 RATHIST_STRSEGSTAT_FK_I

Table: RATIO_TYPE_CODE*Description:*

BT10683 - Default Ratios

A code that identifies the type of ratio that applies to a stratum.

D - Default (assigned ratios for bio fuel processing, no samples taken)

S - Sample Based (normal ratios from samples)

Z - Zeroed Ratio (indicates that all samples have been cancelled, as opposed to No ratios)

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	RATIO_TYPE_CODE A code used to identify the type of ratio being applied to a stratum	NOT NULL	VARCHAR2(1)
2	DESCRIPTION A text description of a code used to identify the type of ratio being applied to a stratum	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date at which a code becomes effective and available for use	NOT NULL	DATE
4	EXPIRY_DATE The date at which a code expires and is no longer effective or available for use	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to a code (includes the insert date)	NOT NULL	DATE

Table: RATIO_TYPE_PRODUCT_XREF**Description:**

Establishes valid Ratio Type / Scale Product combinations

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	RATIO_TYPE_CODE A code used to identify the type of ratio being applied to a stratum	NOT NULL	VARCHAR2(1)
* 2	SCALE_PRODUCT_CODE A code used to identify a type of timber product	NOT NULL	VARCHAR2(2)
3	EFFECTIVE_DATE The date at which a Ratio Type/Scale Product becomes effective and available for use	NOT NULL	DATE
4	EXPIRY_DATE The date at which a Ratio Type/Scale Product expires and is no longer effective or available for use	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to a Ratio Type/Scale Product combination (includes the insert date)	NOT NULL	DATE

Foreign Keys:

RTPX_RTC_FK
RATIO_TYPE_CODE = RATIO_TYPE_CODE.RATIO_TYPE_CODE
RTPX_SPCT_FK
SCALE_PRODUCT_CODE = SCALE_PRODUCT_CODE.SCALE_PRODUCT_CODE

Check Constraints:

RTPX_CC_LOG
RATIO_TYPE_CODE = 'S' AND SCALE_PRODUCT_CODE = ''
RTPX_CC_NOZ
RATIO_TYPE_CODE <> 'Z'
RTPX_CC_SFP
RATIO_TYPE_CODE = 'D' AND (SCALE_PRODUCT_CODE = 'CH' OR SCALE_PRODUCT_CODE = 'HF')

Indexes:

RTPX_RTC_FK_I
RATIO_TYPE_CODE
RTPX_SPCT_FK_I
SCALE_PRODUCT_CODE

Notes:

Initial combination values:

Ratio type = S, product = [blank], Logs can be scaled where ratios are sample-based.

Ratio type = D, product = [blank], Logs can be scaled where default ratios are provided.

Ratio type = D, product = CH, WoodChips can be scaled where default ratios are provided.

Ratio type = D, product = HF, Hogged Tree Material can be scaled where default ratios are provided.

Table: REPORT_DELIVERY_CODE*Description:*

A code table containing the list of possible delivery codes available to reporting (Currently Email and Direct).

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	REPORT_DELIVERY_CODE A code used to identify the method a by report which a report is delivered	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A text description of a code used to identify the method a by report which a report is delivered	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date at which a code becomes effective and available for use	NOT NULL	DATE
4	EXPIRY_DATE The date at which a code expires and is no longer effective or available for use	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to a code (includes the insert date)	NOT NULL	DATE

Table: REPORT_PROGRAM_CODE*Description:*

A code table containing the list of reporting engines(Currently Oracle and Crystal Reports).

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	REPORT_PROGRAM_CODE A code used to identify the type of reporting engine used to generate a reports	NOT NULL	VARCHAR2(8)
2	DESCRIPTION A text description of a code used to identify the type of reporting engines used to generate reports	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date at which a code becomes effective and available for use	NOT NULL	DATE
4	EXPIRY_DATE The date at which a code expires and is no longer effective or available for use	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time of the last update to a code (includes the insert date)	NOT NULL	DATE

Table: REPORT_PROXY_CONTROL*Description:*

Contains the login data fields needed to connect to the reporting engine associated with the defined application/report program/role combination.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	CONNECT_NAME This is primarily a name based on the requesting user's role	NOT NULL	VARCHAR2(50)
* 2	APPLICATION_ACRONYM The commonly used acronym associated with the application or system.	NOT NULL	VARCHAR2(30)
* 4	REPORT_PROGRAM_CODE A code used to identify the type of reporting engine used to generate a reports	NOT NULL	VARCHAR2(8)

Foreign Keys:

RPC1_RPC_FK
REPORT_PROGRAM_CODE = REPORT_PROGRAM_CODE.REPORT_PROGRAM_CODE

Indexes:

RPC1_RPC_FK_I
REPORT_PROGRAM_CODE

Table: SAMPLE_CATEGORIZATION**Description:**

This entity identifies the the predominant or major composition of a sample load

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TRX_ID	NOT NULL	NUMBER(32)
	A generated unique identifier for the a summary scale return transaction		
2	PREDOMINANT_GRADE	NULL	VARCHAR2(1)
	A code used to identify a grade of timber		
3	PREDOMINANT_SPECIES	NULL	VARCHAR2(2)
	A code used to identify a type of tree species		
4	FIRST_MAJOR_GRADE	NULL	VARCHAR2(1)
	A code used to identify a grade of timber		
5	FIRST_MAJOR_SPECIES	NULL	VARCHAR2(2)
	A code used to identify a type of tree species		
6	SECOND_MAJOR_GRADE	NULL	VARCHAR2(1)
	A code used to identify a grade of timber		
7	SECOND_MAJOR_SPECIES	NULL	VARCHAR2(2)
	A code used to identify a type of tree species		
8	RATIO_OUTLIER_IND	NOT NULL	VARCHAR2(1)
	Indicates that the ratio for a sample load is more than two standard deviations from the mean		
9	SPECIES_CATEGORY_TYPE	NOT NULL	VARCHAR2(1)
	Indicates the categorization of the sample by species predominance.		
	Static values for this indicator are 'Predominant', 'Twin Major', 'Single Major', and 'None'		
	<i>Predominant: A single species (or grade) accounts for more than 2/3 of the volume of a sample</i>		
	<i>Twin Major: Two species (or grades) each account for more than 1/3 of the volume of a sample</i>		
	<i>Single Major: One species (or grade) accounts for more than 1/3 of the volume of a sample</i>		
	<i>None: No species (or grade) accounts for more than 1/3 of the volume of a sample</i>		
10	GRADE_CATEGORY_TYPE	NOT NULL	VARCHAR2(1)
	Indicates the categorization of the sample by grade predominance.		
	Static values for this indicator are 'Predominant', 'Twin Major', 'Single Major', and 'None'		
	<i>Predominant: A single grade accounts for more than 2/3 of the volume of a sample</i>		
	<i>Twin Major: Two grades each account for more than 1/3 of the volume of a sample</i>		
	<i>Single Major: One grade accounts for more than 1/3 of the volume of a sample</i>		
	<i>None: No grade accounts for more than 1/3 of the volume of a sample</i>		
11	PRED_SP_VOL_FRACTION	NULL	NUMBER(5,2)
	The portion of the sample volume attributed to the predominant species		
	<i>When a sample is categorized by predominant species this attribute will contain the fraction (%) of the load that is attributed to the specified species</i>		
12	PRED_GR_VOL_FRACTION	NULL	NUMBER(5,2)
	The portion of the sample volume attributed to the predominant grade		
	<i>When a sample is categorized by predominant grade this attribute will contain the fraction (%) of the load that is attributed to the specified grade</i>		
13	FIRST_MAJOR_SP_VOL_FRACTION	NULL	NUMBER(5,2)
	The portion of the sample volume attributed to the species allocated as the first major species		
	<i>When a sample is categorized by twin major, or single major, species this attribute will contain the fraction (%) of the load that is attributed to the specified single major species, or the larger of the twin major species specified</i>		
14	FIRST_MAJOR_GR_VOL_FRACTION	NULL	NUMBER(5,2)
	The portion of the sample volume attributed to the grade allocated as the first major grade		
	<i>When a sample is categorized by twin major, or single major, grade this attribute will contain the fraction (%) of the load that is attributed to the specified single major grade, or the larger of the twin major grade specified</i>		
15	SECOND_MAJOR_SP_VOL_FRACTION	NULL	NUMBER(5,2)
	The portion of the sample volume attributed to the speceis allocated as the second major species		
	<i>When a sample is categorized by twin major species this attribute will contain the fraction (%) of the load that is attributed to the the lesser of the twin major species specified</i>		
16	SECOND_MAJOR_GR_VOL_FRACTION	NULL	NUMBER(5,2)
	The portion of the sample volume attributed to the grade allocated as the second major grade		

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	<i>When a sample is categorized by twin major grade this attribute will contain the fraction (%) of the load that is attributed to the the lesser of the twin major grade specified</i>		

Foreign Keys:

SAMCAT_1ST_MAJOR_GR_FK
 FIRST_MAJOR_GRADE = SCALE_GRADE_CODE.SCALE_GRADE_CODE
 SAMCAT_1ST_MAJOR_SP_FK
 FIRST_MAJOR_SPECIES = SCALE_SPECIES_CODE.SCALE_SPECIES_CODE
 SAMCAT_2ND_MAJOR_GR_FK
 SECOND_MAJOR_GRADE = SCALE_GRADE_CODE.SCALE_GRADE_CODE
 SAMCAT_2ND_MAJOR_SP_FK
 SECOND_MAJOR_SPECIES = SCALE_SPECIES_CODE.SCALE_SPECIES_CODE
 SAMCAT_PRED_GR_FK
 PREDOMINANT_GRADE = SCALE_GRADE_CODE.SCALE_GRADE_CODE
 SAMCAT_PRED_SP_FK
 PREDOMINANT_SPECIES = SCALE_SPECIES_CODE.SCALE_SPECIES_CODE
 SAMCAT_SMPLSCLTXN_FK
 TRX_ID = SAMPLE_SCL_SMRY_TXN.TRX_ID

Indexes:

IDENTIFYING_A_PROMINANT_GRA__I
 PREDOMINANT_GRADE
 IDENTIFYING_A_PROMINANT_SPE__I
 PREDOMINANT_SPECIES
 IDENTIFYING_A_SECOND_MAJOR___1
 SECOND_MAJOR_GRADE
 IDENTIFYING_A_SECOND_MAJOR___I
 SECOND_MAJOR_SPECIES
 SAMCAT_SGCT_FK_I
 FIRST_MAJOR_GRADE
 SAMCAT_SMPLSCLTXN_FK_I
 TRX_ID
 SAMCAT_SSC_FK_I
 FIRST_MAJOR_SPECIES

Table: SAMPLE_GRADE_STATS*Description:*

A supertype of the various statistics calculated for a sample load
 Calculated statistics recorded at the grade level for a summarized sample

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TRX_ID A generated unique identifier for the a summary scale return transaction	NOT NULL	NUMBER(32)
* 2	SCALE_GRADE_CODE A code used to identify a grade of timber	NOT NULL	VARCHAR2(1)
3	SAMPLE_VOLUME The volume of the timber scaled for the purposes of statistical calulations applied at specific grouping levels (i.e. segregation level, species level or grade level)	NULL	NUMBER(15,3)
4	VOLUME_FRACTION The fraction of the volume of the timber scaled applied at specific grouping levels (i.e. segregation level, species level or grade level)	NULL	NUMBER(5,2)
5	RATIO The weight to volume ratio calculated for the purposes of statistical calulations applied at specific grouping levels (i.e. segregation level, species level or grade level)	NULL	NUMBER(6,5)

Foreign Keys:

SAMGRSTAT_SGCT_FK
 SCALE_GRADE_CODE = SCALE_GRADE_CODE.SCALE_GRADE_CODE
 SAMGRSTAT_SMPLSCLTXN_FK
 TRX_ID = SAMPLE_SCL_SMRY_TXN.TRX_ID

Indexes:

SAMGRSTAT_SGCT_FK_I
 SCALE_GRADE_CODE
 SAMGRSTAT_SMPLSCLTXN_FK_I
 TRX_ID

Table: SAMPLE_LOG_TALLY**Description:**

Captures source data for a version of a detail level scale document or ledger item

This entity captures all attributes common to all scale document types except for departure ledgers

This entity captures all attributes common to all scale document types except that are eligible for being summarized for statement processing.

A super-type for piece scaled detail scale documents that have common relationships and/or attributes

A sub type to distinguish log based scale (i.e. sample and piece scale) from segregation based scale (i.e. special forest product scale)

A subtype of Piece Scaled Log Tally...

Captures source data for a version of a sample scaled detail scale document

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DETAIL_DOCUMENT_NUMBER A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.	NOT NULL	VARCHAR2(13)
* 2	VERSION Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.	NOT NULL	NUMBER(2)
3	BATDOC_ID Surrogate key for uniquely identifying a document from a detail scale document batch	NULL	NUMBER(32)
4	SCALE_EVENT_TYPE_CODE A code used to identify the type of a scale event associated with a detail scale document	NOT NULL	VARCHAR2(2)
5	SCL_RTN_VERSION_STATE_CODE A code used to describe the current state of a summary scale return version	NOT NULL	VARCHAR2(3)
6	SCALE_DATE The date (and time for weigh slips) upon which a load of timber was scaled	NOT NULL	DATE
7	SCALE_SITE_ID_NMBR An alphanumeric code used to uniquely identify a scale site.	NULL	VARCHAR2(4)
8	POPULATION_NUMBER A number uniquely identifying a population	NULL	VARCHAR2(4)
9	STRATUM_NUMBER A unique identifier for a stratum within a population/sampling year	NULL	VARCHAR2(2)
10	SAMPLING_YEAR Describes a period within which loads of timber are attributed to a particular stratum within a population <i>This column is specified as Number (5) due to the use of legacy tables during the original implementation of HBS Phase 1</i>	NULL	NUMBER(5)
11	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NULL	VARCHAR2(6)
12	TIMBER_BRAND This describes the source of a load of lumber as the combination of scale site and district code. This attribute is only used for the following scale events: WSR 4R (Weigh Slip SB4 Rescale) POT 4R (Other Tallies SB4 Rescale)	NULL	VARCHAR2(7)
13	PRIMARY_QUANT_LIC_TYPE_CD A code that indicates the type of license for the scaler responsible for the scale data recorded on a scale return. For example, a type may be: Scaling license, Cruise license, or Residue Survey license. <i>This data item is no longer required as a result of the SCS rewrite, and the retirement of the QUANT LICNECE table</i>	NULL	VARCHAR2(1)
14	PRIMARY_LICENSE_NUMBER A number used to uniquely identify each scaler who is registered with the Ministry.	NULL	VARCHAR2(4)
15	SECONDARY_QUANT_LIC_TYPE_CD A code that indicates the type of license for a scaler who assisted in collecting scale data for a scale return. For example, a type may be: Scaling license, Cruise license, or Residue Survey license. <i>This data item is no longer required as a result of the SCS rewrite, and the retirement of the QUANT LICNECE table</i>	NULL	VARCHAR2(1)
16	SECONDARY_LICENSE_NUMBER	NULL	VARCHAR2(4)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
17	SIGNING_QUANT_LIC_TYPE_CD A number used to uniquely identify each scaler who is registered with the Ministry. A code that indicates the type of license for the scaler who provided the digital signature for a scale return. For example, a type may be: Scaling license, Cruise license, or Residue Survey license. <i>This data item is no longer required as a result of the SCS rewrite, and the retirement of the QUANT LICNECE table</i>	NULL	VARCHAR2(1)
18	SIGNING_LICENSE_NUMBER A number used to uniquely identify each scaler who is registered with the Ministry.	NULL	VARCHAR2(4)
19	SAMPLED_WEIGHT_SLIP The weigh slip number identifier from the associated weigh slip that was selected for sampling.	NULL	VARCHAR2(10)
20	SAMPLE_WEIGHT The net weight of the weight scaled load being sampled. The net weight is determined from the sampled weigh slip gross weight - the tare weight <i>This may be a portion of the weight recorded on the weigh slip if 'sub-sampled' or grapple sampled.</i>	NULL	NUMBER(6)
21	RETURN_NUMBER A unique number (in conjunction with the scaler's licence number and date), and is assigned to a parcel of timber by a scaler. The scaler assigns #0001 to the first parcel scaled each year and continues consecutively through to 9999. If the scaler scales more than 9999 parcels of timber in a year they then restart with 0001. The dates will then determine the uniqueness of the number.	NOT NULL	NUMBER(4)
22	LOG_COUNT The number of logs scaled on sample scale log tally detail scale document	NOT NULL	NUMBER(4)
23	NET_VOLUME The net volume of the timber recorded on this document	NULL	NUMBER(7,3)
24	VOLUME_CALC_METHOD_TYPE Identifies the scale document as having calculated the volume on a 'Gross' or 'Net' basis.	NULL	VARCHAR2(1)
25	ORIG_CHK_SCL_QUANT_LIC_TYPE_CD A code that indicates the type of license for the scaler responsible for the original scale return being check scaled. For example, a type may be: Scaling license, Cruise license, or Residue Survey license. <i>This data item is no longer required as a result of the SCS rewrite, and the retirement of the QUANT LICNECE table</i>	NULL	VARCHAR2(1)
26	ORIGINAL_DDN A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.	NULL	VARCHAR2(13)
27	ORIGINAL_DDV Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.	NULL	NUMBER(2)
28	ORIG_CHK_SCL_LICENSE_NUMBER A number used to uniquely identify each scaler who is registered with the Ministry.	NULL	VARCHAR2(4)
29	ORIG_CHK_SCL_RETURN_NUMBER The original scaler's return number from the detail scale document being check scaled.	NULL	NUMBER(4)
30	ORIG_REDTAG_SCALE_SITE_ID_NMBR An alphanumeric code used to uniquely identify a scale site.	NULL	VARCHAR2(4)
31	ACTIVE_VERSION_IND Indicates that a version is the active version of interest to application processes	NOT NULL	VARCHAR2(1)
32	VALID_SIGNATURE_IND A flag indicating if the detail scale document was assigned a valid digital signature.	NOT NULL	VARCHAR2(1)
33	CHECK_REPLACES_ORIGINAL_IND Identifies the piece scaled detail scale document as having been replaced by a check scale detail scale document	NULL	VARCHAR2(1)
34	ORIGINAL_VERSION_IND Indicates that the version was the original version received by HBS <i>A scale return's version may be prior to the version identified as the original</i>	NOT NULL	VARCHAR2(1)
35	TRANSPORT_IDENTIFIER Identifies the transport mechanism that delivered the load of logs to a scale site e.g. Truck - license plate	NULL	VARCHAR2(16)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	Boom - boom number etc...		
36	INCOMING_LDS_NUMBER The load description slip identifier captured from the load description slip document that accompanied a load of timber upon arrival at a scale site.	NULL	VARCHAR2(10)
37	LOAD_ARRIVAL_NUMBER A sequential number assigned to a load as it arrives at a scale site.	NULL	VARCHAR2(10)
38	SAMPLE_LOG_TALLY_COMMENT A free form text attribute for capturing additional information about a detail scale return	NULL	VARCHAR2(240)
39	ENCRYPTED_AUTH_KEY A character string generated scaling software to uniquely identify a detail scale document as having been created by a specific scaler. <i>The encrypted authorization key, or digital signature is generated from the scaler's authentication key</i>	NULL	NUMBER(10)
40	HASH_TOTAL A number generated, by the submitting scale document application, by an algorithm applied to every character of required data in a detail scale document. <i>The hashtotal alogrithm can be reapplied to the detailed scale document upon receipt, the resulting value can be compared to the original 'hash total' value to ensure that the document has not been altered.</i>	NULL	NUMBER(10)
41	DTL_DOC_SEQ Tracks the sequence that the document version was inserted <i>This is a physical attribute for the purposes of implementing anomaly processing</i>	NOT NULL	NUMBER(32)
42	INPUT_SCALE_SITE An text string in the scale dcoument used to identify the scale site at which a load of timber was scaled. <i>This input field requires validation before it can be copied to the scale documents 'scale site' foreign key field</i>	NULL	VARCHAR2(4)
43	INPUT_ORIG_REDTAG_SCL_SITE A scale site identifier for the scale site at which a red tag load was originally weighed and was determined to be 'un-stratifiable' <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the scale site foreign key</i>	NULL	VARCHAR2(4)
44	INPUT_SOURCE Identifies the source of the timber scaled on a detail scale return as either a Timber Mark or a Timber Brand, depending on the scale return 'scale event type code'. The Input source represents a Timber Mark for the following scale events: - Weigh Slip Primary scale Sample scale Remote scale Primary departure Red Tag Remote red tag - Piece Scaled Log Tally Primary scale From site deck Red Tag Remote red tag Piece Check Scale Sample scale Remote sample scale Sample check scale - Site ledger (Arrival) Primary scale To site deck From site deck Remote sample scale Remote red tag - Site ledger (Departure)	NULL	VARCHAR2(7)

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

<u>Seq.</u>	<u>Column</u> n/a	<u>Nulls?</u>	<u>Type</u>
	The Input source represents a Timber Brand for the following scale events: - Weigh Slip SB4 rescale - Piece Scaled Log Tally SB4 rescale - Site ledger (Arrival) Scaled Before SB4 rescale - Site ledger (Departure) n/a <i>This attribute is used to capture information that may not permit referential integrity to be resolved for the Timber Mark relationship where required based on the scale event type.</i>		
45	INPUT_PRIMARY_SCALER_LIC A "scaler licence" supplied on the source document, identifying the primary scaler responsible for recording a scaling event. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "scaler licence" relationship</i>	NULL	VARCHAR2(4)
46	INPUT_PSY The population/stratum/sampling year supplied on the sample scale detail scale document. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "population/stratum/sampling year" component of the relationship to the Stratum entity</i>	NULL	VARCHAR2(8)
47	INPUT_SECONDARY_SCALER_LIC A "scaler licence" supplied on the source document, identifying a secondary scaler who may have participated in the recording of a scaling event. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "scaler licence" relationship</i>	NULL	VARCHAR2(4)
48	INPUT_SIGNING_SCALER_LIC A "scaler licence" supplied on the source document, indicating which scaler, primary or secondary, 'signed' the scale document. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "scaler licence" relationship</i>	NULL	VARCHAR2(4)
49	INPUT_ORIGINAL_DDN An input text field used to identify the document control number of a related check scaled document	NULL	VARCHAR2(13)
50	INPUT_ORIGINAL_DDV An input number field used to identify the version of a related check scaled document	NULL	NUMBER(2)
51	INPUT_ORIG_CHK_SCL_SCALER_LIC The scaler's licence number from the detail scale document being check scaled, as input. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "original scaler licence" relationship</i>	NULL	VARCHAR2(4)
52	FIELD_SCALE_DECK_ID	NULL	VARCHAR2(1)
53	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
54	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
55	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
56	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

SMPLOGTLY_BATDOC_FK
BATDOC_ID = DTL_DOC_BATCH_DOCUMENT.BATDOC_ID
SMPLOGTLY_DTLSCLDOC_FK
DETAIL_DOCUMENT_NUMBER = DETAIL_SCALE_DOCUMENT.DETAIL_DOCUMENT_NUMBER

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

SMPLOGTLY_ORGDDNDDV_FK
 ORIGINAL_DDN = SAMPLE_LOG_TALLY.DETAIL_DOCUMENT_NUMBER
 ORIGINAL_DDV = SAMPLE_LOG_TALLY.VERSION
 SMPLOGTLY_ORIG_CHK_SCLR_FK
 ORIG_CHK_SCL_LICENSE_NUMBER = SCALER.SCALER_LICENCE_NO
 SMPLOGTLY_ORIG_SS_FK
 INPUT_ORIG_REDTAG_SCL_SITE = SCALE_SITE.SCALE_SITE_ID_NMBR
 SMPLOGTLY_PRIMARY_SCLR_FK
 PRIMARY_LICENSE_NUMBER = SCALER.SCALER_LICENCE_NO
 SMPLOGTLY_SECONDARY_SCLR_FK
 SECONDARY_LICENSE_NUMBER = SCALER.SCALER_LICENCE_NO
 SMPLOGTLY_SETC_FK
 SCALE_EVENT_TYPE_CODE = SCALE_EVENT_TYPE_CODE.SCALE_EVENT_TYPE_CODE
 SMPLOGTLY_SIGNING_SCLR_FK
 SIGNING_LICENSE_NUMBER = SCALER.SCALER_LICENCE_NO
 SMPLOGTLY_SRVERSTATE_FK
 SCL_RTN_VERSION_STATE_CODE = SCL_RTN_VERSION_STATE_CODE.SCL_RTN_VERSION_STATE_CODE
 SMPLOGTLY_SS_FK
 SCALE_SITE_ID_NMBR = SCALE_SITE.SCALE_SITE_ID_NMBR
 SMPLOGTLY_STRATUM_FK
 POPULATION_NUMBER = STRATUM.POPULATION_NUMBER
 SAMPLING_YEAR = STRATUM.SAMPLING_YEAR
 STRATUM_NUMBER = STRATUM.STRATUM_NUMBER
 SMPLOGTLY_TM_FK
 TIMBER_MARK = TIMBER_MARK.TIMBER_MARK

Indexes:

SMPLOGORIGINALLY_RED_TAGGED_I
 ORIG_REDTAG_SCALE_SITE_ID_NMBR
 SMPLOGTLY_BATDOC_FK_I
 BATDOC_ID
 SMPLOGTLY_DTLSCLDOC_FK_I
 DETAIL_DOCUMENT_NUMBER
 SMPLOGTLY_ORIGDDNDDV_FK_I
 ORIGINAL_DDN
 ORIGINAL_DDV
 SMPLOGTLY_ORIG_CHK_SCLR_FK_I
 ORIG_CHK_SCL_LICENSE_NUMBER
 SMPLOGTLY_PRIMARY_SCLR_FK_I
 PRIMARY_LICENSE_NUMBER
 SMPLOGTLY_SECONDARY_SCLR_FK_I
 SECONDARY_LICENSE_NUMBER
 SMPLOGTLY_SETC_FK_I
 SCALE_EVENT_TYPE_CODE
 SMPLOGTLY_SIGNING_SCLR_FK_I
 SIGNING_LICENSE_NUMBER
 SMPLOGTLY_SRVERSTATE_FK_I
 SCL_RTN_VERSION_STATE_CODE
 SMPLOGTLY_SS_FK_I
 SCALE_SITE_ID_NMBR
 SMPLOGTLY_STRATUM_FK_I
 POPULATION_NUMBER
 SAMPLING_YEAR
 STRATUM_NUMBER
 SMPLOGTLY_TM_FK_I
 TIMBER_MARK

Table: SAMPLE_LOG_TALLY_ERROR*Description:*

Records all errors encountered during edit events.

Records errors encountered during edit events for detail sample scale log tally scale documents

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ERROR_ID	NOT NULL	NUMBER(32)
	Surrogate key for uniquely identifying an error		
2	HBS_EDIT_ERR_MESSAGE_CODE	NOT NULL	VARCHAR2(6)
	A code used to identify an error message that an edit event may generate		
3	HBS_EDIT_ERR_CATEGORY_CODE	NOT NULL	VARCHAR2(3)
	A code used to identify an error category for an edit error		
4	VERSION	NOT NULL	NUMBER(2)
	Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.		
5	DETAIL_DOCUMENT_NUMBER	NOT NULL	VARCHAR2(13)
	A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.		
6	ERROR_TIMESTAMP	NOT NULL	DATE
	Date and time at which the error message was generated		

Foreign Keys:

SLOGTLYERR_EEMC_FK

HBS_EDIT_ERR_MESSAGE_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_CATEGORY_CODE

SLOGTLYERR_SLTT_FK

DETAIL_DOCUMENT_NUMBER = SAMPLE_LOG_TALLY.DETAIL_DOCUMENT_NUMBER

VERSION = SAMPLE_LOG_TALLY.VERSION

Indexes:

SLOGTLYERR_EEMC_FK_I

HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE

SLOGTLYERR_SLTT_FK_I

DETAIL_DOCUMENT_NUMBER

VERSION

Table: SAMPLE_PLAN**Description:**

Identifies a potential sample plan for a population, and provides constraints for the underlying stratum plan estimates

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	PLAN_ID A surrogate key uniquely identifying a sample plan	NOT NULL	NUMBER(32)
2	SAMPLE_PLAN_STATUS_CODE A code used to identify the current status of a sample plan: e.g. OPN PRP APP REJ SPR	NOT NULL	VARCHAR2(3)
3	POPULATION_NUMBER A number uniquely identifying a population	NOT NULL	VARCHAR2(4)
4	SAMPLING_YEAR Describes a period within which loads of timber are attributed to a particular stratum within a population <i>This column is specified as Number (5) due to the use of legacy tables during the original implementation of HBS Phase 1</i>	NOT NULL	NUMBER(5)
5	PLAN_ABBREVIATION An abbreviation of the sample plan name	NOT NULL	VARCHAR2(2)
6	PLAN_NAME A short description of the sample plan, usually a brief description of the plan composition	NOT NULL	VARCHAR2(40)
7	RATIO_TYPE_CODE	NOT NULL	VARCHAR2(1)
8	PRECISION_LIMIT Maximum precision constraint for a population	NOT NULL	NUMBER(5,2)
9	SAMPLE_FLOOR Sets the minimum number of samples for a plan	NOT NULL	NUMBER(3)
10	CURRENT_CONSTRAINT_TYPE Identifies the current constraint selection for a population's stratum plans. The stratum plans can be constrained by a number of loads to be sampled or constrained by precision. <i>This attribute represents a toggle that indicates which constraint type was available for update during the latest edit session for a population plan</i>	NOT NULL	VARCHAR2(1)
11	CURRENT_ESTIMATE_TYPE Describes the sample plan estimate type e.g. VS - volume and size LS - load and size VL - volume and load	NOT NULL	VARCHAR2(2)
12	ACCEPTED_PLAN_IND Identifies a sample plan that has been accepted for implementation as the production plan	NOT NULL	VARCHAR2(1)
13	OPTIMUM_PRECISION_CALC The results of the most recent optimum precision calculation for the population based on the population totals for the stratum plan estimates <i>This derived value is stored for performance reasons as the calculation is extremely complex</i>	NULL	NUMBER(5,2)
14	TARGET_PRECISION_CALC The results of the most recent target precision calculation for the population based on the population totals for the stratum plan estimates and constraints. <i>This derived value is stored for performance reasons as the calculation is extremely complex</i>	NULL	NUMBER(5,2)
15	ORG_UNIT_NO Unique physical identifier for the storage of organizational unitcodes for the Ministry of Forests' offices. Values stored here are for the computer's use only, and are not to be used by people as "ministry codes".	NOT NULL	NUMBER(10)
16	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NOT NULL	VARCHAR2(8)
17	CLIENT_LOCN_CODE A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent	NOT NULL	VARCHAR2(2)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	address.		
18	EFFECTIVE_DATE	NOT NULL	DATE
19	EXPIRY_DATE	NOT NULL	DATE
20	ENTRY_USERID	NOT NULL	VARCHAR2(30)
	The USERID of the individual who entered the information.		
21	ENTRY_TIMESTAMP	NOT NULL	DATE
	The date and time on which the record was created.		
22	UPDATE_USERID	NULL	VARCHAR2(30)
	The USERID of the individual who last updated the information.		
23	UPDATE_TIMESTAMP	NULL	DATE
	The date and time the record was last modified.		

Foreign Keys:

SMPLPLAN_ORG_UNIT_FK
 ORG_UNIT_NO = ORG_UNIT.ORG_UNIT_NO
 SMPLPLAN_POP_FK
 POPULATION_NUMBER = POPULATION.POPULATION_NUMBER
 SAMPLING_YEAR = POPULATION.SAMPLING_YEAR
 SMPLPLAN_RTC_FK
 RATIO_TYPE_CODE = RATIO_TYPE_CODE.RATIO_TYPE_CODE
 SMPLPLAN_SMPLANSTAT_FK
 SAMPLE_PLAN_STATUS_CODE = SAMPLE_PLAN_STATUS_CODE.SAMPLE_PLAN_STATUS_CODE

Indexes:

SMPLPLAN_ORG_UNIT_FK_I
 ORG_UNIT_NO
 SMPLPLAN_POP_FK_I
 POPULATION_NUMBER
 SAMPLING_YEAR
 SMPLPLAN_RTC_FK_I
 RATIO_TYPE_CODE
 SMPLPLAN_SMPLANSTAT_FK_I
 SAMPLE_PLAN_STATUS_CODE

Table: SAMPLE_PLAN_STATUS_CODE*Description:*

Describes the current status of a sample plan:

e.g.

OPN - Open (Work in progress)

PRP - Proposed (Request Proposed Resolution)

APP - Approved (Given official sanction)

REJ - Rejected (To refuse to accept or approve)

SPR - Superseded (Replaced by another plan)

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SAMPLE_PLAN_STATUS_CODE A code used to identify the current status of a sample plan: e.g. OPN PRP APP REJ SPR	NOT NULL	VARCHAR2(3)
2	DESCRIPTION A textual description of the status of a sample plan	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: SAMPLE_SCALE_SUMMARY**Description:**

Captures source data for a version of a summary scale return

A super-type for piece scaled summary scale documents that have common relationships and/or attributes

Represents an 'old style' weight scale sample return (aka FS493).

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DOCUMENT_CONTROL_NUMBER Uniquely identifies a scale return	NOT NULL	NUMBER(10)
* 2	VERSION Identifies the version of a summary scale return. A new version is created when the scale return is replaced with changes.	NOT NULL	NUMBER(10)
3	LICENSE_NUMBER A number used to uniquely identify each scaler who is registered with the Ministry.	NULL	VARCHAR2(4)
4	QUANT_LIC_TYPE_CD Obsolete column	NULL	VARCHAR2(1)
5	RETURN_NUMBER A unique number (in conjunction with the scaler's licence number and date), and is assigned to a parcel of timber by a scaler. The scaler assigns #001 to the first parcel scaled each year and continues consecutively through to 999. If the scaler scales more than 999 parcels of timber in a year they then restart with 001. The dates will then determine the uniqueness of the number. <i>also called a raft or tally number</i>	NOT NULL	VARCHAR2(4)
6	SCALE_SITE_ID_NMBR An alphanumeric code used to uniquely identify a scale site.	NOT NULL	VARCHAR2(4)
7	SCALE_DATE The date of scale from the set of scale returns being summarized. <i>This is the 'last date of scale from the set of summarized returns (i.e. the set of returns are were not necessarily scaled on the the same date)</i>	NOT NULL	DATE
8	POPULATION_NUMBER A number uniquely identifying a population	NULL	VARCHAR2(4)
9	STRATUM_NUMBER A unique identifier for a stratum within a population/sampling year	NULL	VARCHAR2(2)
10	SAMPLING_YEAR Describes a period within which loads of timber are attributed to a particular stratum within a population <i>This column is specified as Number (5) due to the use of legacy tables during the original implementiion of HBS Phase 1</i>	NULL	NUMBER(5)
11	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NULL	VARCHAR2(6)
12	NET_WEIGHT The total net weight of the load of timber being scaled on the summary sample scale return <i>Net weight refers to the total weight of the truck and logs net of the weight of the truck</i>	NOT NULL	NUMBER(6)
13	LOAD_ARRIVAL_NUMBER A sequential number assigned to a load as it arrives at a scale site. <i>A consecutive number assigned to each load as it arrives at the scale station</i>	NULL	VARCHAR2(10)
14	LOG_COUNT The number of logs scaled for a sample	NOT NULL	NUMBER(6)
15	WEIGH_SLIP_NUMBER An identifier of the weigh scaling event associated with the load being sampled	NULL	VARCHAR2(10)
16	SCL_RTN_VERSION_STATE_CODE A code used to describe the current state of a summary scale return version	NOT NULL	VARCHAR2(3)
17	SCL_RTN_CATEGORY_CODE A code used to identify the format type of a summary scale return	NOT NULL	VARCHAR2(2)
18	INPUT_POPULATION The population supplied on the source document. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "population" component of the relationship to the Stratum entity</i>	NULL	VARCHAR2(4)
19	INPUT_STRATUM The stratum identifier supplied on the source document. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved</i>	NULL	VARCHAR2(2)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
20	INPUT_SAMPLING_YEAR <i>for the "stratum" component of the relationship to the Stratum entity</i> The sampling year supplied on the source document. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "sampling year" component of the relationship to the Stratum entity</i>	NULL	VARCHAR2(2)
21	INPUT_TIMBER_MARK The "timber mark" supplied on the source document, designating the specific tenure and cutting permit, from which the tenure type, and tenure holder can be determined. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "timber mark" relationship</i>	NULL	VARCHAR2(6)
22	INPUT_SCALER_LICENSE_NUM Identifies the scaler responsible for scaling a load of timber <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the scaler licence foreign key</i>	NULL	VARCHAR2(4)
23	CHECK_SCALE_IND An indicator that the summary scale return is a check scale of a prior sample scale return	NULL	VARCHAR2(1)
24	ACTIVE_VERSION_IND Indicates that a version is the active version of interest to application processes	NOT NULL	VARCHAR2(1)
25	QUEUED_FOR_PRINT_IND Indicates that a summary scale document has been placed in a que for printing <i>*** no longer used (20090224)?</i>	NOT NULL	VARCHAR2(1)
26	VISIBILITY_IND Indicates if a return version can be displayed by the application. <i>This indicator is intergral to the input process for scale returns, as it is important not to display a return until the EDI validation process has successfully completed.</i> <i>It will also be used to implement the logical deletion (i.e. discarding) of a return.</i>	NOT NULL	VARCHAR2(1)
27	PENDING_TXN_COMMENT A text comment for pending transactions <i>*** Never used as of 20090224</i>	NULL	VARCHAR2(240)
28	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
29	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
30	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
31	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

SS_SUMMARY_HBSSR_FK
DOCUMENT_CONTROL_NUMBER = HBS_SCALE_RETURN.DOCUMENT_CONTROL_NUMBER

SS_SUMMARY_SCA_FK
LICENSE_NUMBER = SCALER.SCALER_LICENCE_NO

SS_SUMMARY_SRCATCD_FK
SCL_RTN_CATEGORY_CODE = SCL_RTN_CATEGORY_CODE.SCL_RTN_CATEGORY_CODE

SS_SUMMARY_SRVERSTATE_FK
SCL_RTN_VERSION_STATE_CODE = SCL_RTN_VERSION_STATE_CODE.SCL_RTN_VERSION_STATE_CODE

SS_SUMMARY_SS_FK
SCALE_SITE_ID_NMBR = SCALE_SITE.SCALE_SITE_ID_NMBR

SS_SUMMARY_STRATUM_FK
POPULATION_NUMBER = STRATUM.POPULATION_NUMBER
SAMPLING_YEAR = STRATUM.SAMPLING_YEAR
STRATUM_NUMBER = STRATUM.STRATUM_NUMBER

SS_SUMMARY_TM_FK
TIMBER_MARK = TIMBER_MARK.TIMBER_MARK

Indexes:

SS_SUMMARY_HBSSR_FK_I

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

DOCUMENT_CONTROL_NUMBER
SS_SUMMARY_SCA_FK_I
LICENSE_NUMBER
SS_SUMMARY_SRCATCD_FK_I
SCL_RTN_CATEGORY_CODE
SS_SUMMARY_SRVERSTATE_FK_I
SCL_RTN_VERSION_STATE_CODE
SS_SUMMARY_SS_FK_I
SCALE_SITE_ID_NMBR
SS_SUMMARY_STRATUM_FK_I
POPULATION_NUMBER
SAMPLING_YEAR
STRATUM_NUMBER
SS_SUMMARY_TM_FK_I
TIMBER_MARK

Table: SAMPLE_SCL_NOTATION*Description:*

Captures textual comments about a summary scale return version
 A subtype of Summary Return Notation...
 Captures textual comments about a sample return version.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	NTN_ID A generated unique identifier for the a summary scale return notation	NOT NULL	NUMBER(32)
2	DOCUMENT_CONTROL_NUMBER Uniquely identifies a scale return	NOT NULL	NUMBER(10)
3	VERSION Identifies the version of a summary scale return. A new version is created when the scale return is replaced with changes.	NOT NULL	NUMBER(10)
4	NOTATION_TYPE_CODE A code used to identify a type notation that may be appended to a summary scale return	NOT NULL	VARCHAR2(3)
5	NOTATION_NUMBER The sequence in which the notations were generated	NOT NULL	NUMBER(2)
6	TEXT Captures the text of the notation	NOT NULL	VARCHAR2(80)
7	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
8	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
9	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
10	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

SMPLNOTN_NTC_FK
 NOTATION_TYPE_CODE = NOTATION_TYPE_CODE.NOTATION_TYPE_CODE
 SMPLNOTN_SS_SUMMARY_FK
 DOCUMENT_CONTROL_NUMBER = SAMPLE_SCALE_SUMMARY.DOCUMENT_CONTROL_NUMBER
 VERSION = SAMPLE_SCALE_SUMMARY.VERSION

Indexes:

SMPLNOTN_NTC_FK_I
 NOTATION_TYPE_CODE
 SMPLNOTN_SS_SUMMARY_FK_I
 DOCUMENT_CONTROL_NUMBER
 VERSION

Table: SAMPLE_SCL_SEG_ERROR*Description:*

Records all errors encountered during edit events.

A subtype of Segregation Error...

Records errors encountered during edit events for sample scale return segregation data.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ERROR_ID Surrogate key for uniquely identifying an error	NOT NULL	NUMBER(32)
2	HBS_EDIT_ERR_CATEGORY_CODE A code used to identify an error category for an edit error	NOT NULL	VARCHAR2(3)
3	HBS_EDIT_ERR_MESSAGE_CODE A code used to identify an error message that an edit event may generate	NOT NULL	VARCHAR2(6)
4	SEGREGATION_ID A surrogate key uniquely identifying a segregation	NOT NULL	NUMBER(32)
5	ERROR_TIMESTAMP Date and time at which the error message was generated	NOT NULL	DATE

Foreign Keys:

SSSEGERR_EEMC_FK

HBS_EDIT_ERR_MESSAGE_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_CATEGORY_CODE

SSSEGERR_SAMPLESEG_FK

SEGREGATION_ID = SAMPLE_SEGREGATION.SEGREGATION_ID

Indexes:

SSSEGERR_EEMC_FK_I

HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE

SSSEGERR_SAMPLESEG_FK_I

SEGREGATION_ID

Table: SAMPLE_SCL_SMRY_TXN**Description:**

Captures derived scale return data generated during the processing of a scale return version
 A subtype of Summary Return Transaction...
 A record of a processing transaction applied against a sample scale Scale Return Version

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TRX_ID A generated unique identifier for the a summary scale return transaction	NOT NULL	NUMBER(32)
2	HBS_TXN_STATUS_CODE A code used to describe the current state of a summary scale return transaction	NOT NULL	VARCHAR2(3)
3	VERSION Identifies the version of a summary scale return. A new version is created when the scale return is replaced with changes.	NOT NULL	NUMBER(10)
4	DOCUMENT_CONTROL_NUMBER Uniquely identifies a scale return	NOT NULL	NUMBER(10)
5	BATCH_ID Surrogate key for uniquely identifying a batch	NULL	NUMBER(32)
6	HBS_TXN_TYPE_CODE A code used to identify the type of transaction generated for a summary scale return version	NOT NULL	VARCHAR2(3)
7	SMRYRETTXN_COMMENT A text comment for a transaction	NULL	VARCHAR2(240)
8	EVENT_SEQUENCE This is the sequence, repeating for each summary scale return version, that identifies the sequence of events for which transactions have been applied to a summary scale return version. e.g, transaction sequences for a return can be... 1 original 2 cancelled 3 replaced (this is the case where the return is cancelled and replaced at a later date resulting from 3 seperate user requests or cancelled and replaced with changes resulting from a single user request) or 1 original 2 cancelled 2 replaced (this is the case where the return is cancelled and replaced without changes resulting from a single user request)	NOT NULL	NUMBER(2)
9	DEBIT_CREDIT_TYPE Indicates if a transaction results in a debit (+) or credit (-) movement	NOT NULL	VARCHAR2(2)
10	STATEMENT_NUMBER	NULL	VARCHAR2(7)
11	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
12	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
13	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
14	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE
15	RATIO_STATEMENT_NUMBER A unique identifier generated for each statement. To accomodate downstream systems the statement identifier will conform to the current format supported by HDBS (i.e. 7 character alphanumeric).	NULL	VARCHAR2(7)

To ensure a sufficient number of unique statement identifiers, given the aforementioned constraint, the following scheme will be implemented to identify the various types of documents

Statement type	pos 1	pos 2	pos 3	pos 4	pos 5	pos 6	pos 7
-----+-----+-----+-----+-----+-----+-----							

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

<u>Seq.</u>	<u>Column</u>				<u>Nulls?</u>	<u>Type</u>		
	<i>Piece Scale Invoices</i>	<i>Q, R, or S</i>	<i>0-9, A-Z</i>	<i>0-9</i>	<i>0-9</i>	<i>0-9</i>	<i>0-9</i>	<i>0-9</i>
	<i>Weight Scale Invoices</i>	<i>X, Y, or Z</i>	<i>0-9, A-Z</i>	<i>0-9</i>	<i>0-9</i>	<i>0-9</i>	<i>0-9</i>	<i>0-9</i>
	<i>Piece Scale Vol Stmt</i>	<i>L, M, or N</i>	<i>0-9, A-Z</i>	<i>0-9</i>	<i>0-9</i>	<i>0-9</i>	<i>0-9</i>	<i>0-9</i>
	<i>Weight ScaleVol Stmt</i>	<i>T, U, or V</i>	<i>0-9, A-Z</i>	<i>0-9</i>	<i>0-9</i>	<i>0-9</i>	<i>0-9</i>	<i>0-9</i>
	<i>Compiled Sample Stmt</i>	<i>B, C, or D</i>	<i>0-9, A-Z</i>	<i>0-9</i>	<i>0-9</i>	<i>0-9</i>	<i>0-9</i>	<i>0-9</i>
	<i>Ratio Stmt</i>	<i>F, G, or H</i>	<i>0-9, A-Z</i>	<i>0-9</i>	<i>0-9</i>	<i>0-9</i>	<i>0-9</i>	<i>0-9</i>

Foreign Keys:

SMPLSCLTXN_COMPSMPL_FK
 STATEMENT_NUMBER = HBS_COMPILED_SAMPLE_STMNT.STATEMENT_NUMBER
 SMPLSCLTXN_HBSOUTBAT_FK
 BATCH_ID = HBS_OUTPUT_BATCH.BATCH_ID
 SMPLSCLTXN_HBSTSC_FK
 HBS_TXN_STATUS_CODE = HBS_TXN_STATUS_CODE.HBS_TXN_STATUS_CODE
 SMPLSCLTXN_HBSTTC_FK
 HBS_TXN_TYPE_CODE = HBS_TXN_TYPE_CODE.HBS_TXN_TYPE_CODE
 SMPLSCLTXN_RATIOSTMT_FK
 RATIO_STATEMENT_NUMBER = HBS_RATIO_STATEMENT.STATEMENT_NUMBER
 SMPLSCLTXN_SS_SUMMARY_FK
 DOCUMENT_CONTROL_NUMBER = SAMPLE_SCALE_SUMMARY.DOCUMENT_CONTROL_NUMBER
 VERSION = SAMPLE_SCALE_SUMMARY.VERSION

Indexes:

SMPLSCLTXN_HBSOUTBAT_FK_I
 BATCH_ID
 SMPLSCLTXN_HBSTSC_FK_I
 HBS_TXN_STATUS_CODE
 SMPLSCLTXN_HBSTTC_FK_I
 HBS_TXN_TYPE_CODE
 SMPLSCLTXN_SS_SUMMARY_FK_I
 DOCUMENT_CONTROL_NUMBER
 VERSION

Table: SAMPLE_SCL_VERSION_ERROR*Description:*

Records all errors encountered during edit events.

A subtype of Scale Return Version Error...

Records errors encountered during edit events for sample scale version data.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ERROR_ID Surrogate key for uniquely identifying an error	NOT NULL	NUMBER(32)
2	HBS_EDIT_ERR_MESSAGE_CODE A code used to identify an error message that an edit event may generate	NOT NULL	VARCHAR2(6)
3	HBS_EDIT_ERR_CATEGORY_CODE A code used to identify an error category for an edit error	NOT NULL	VARCHAR2(3)
4	DOCUMENT_CONTROL_NUMBER Uniquely identifies a scale return	NOT NULL	NUMBER(10)
5	VERSION Identifies the version of a summary scale return. A new version is created when the scale return is replaced with changes.	NOT NULL	NUMBER(10)
6	ERROR_TIMESTAMP Date and time at which the error message was generated	NOT NULL	DATE

Foreign Keys:

SSVERERR_EEMC_FK

HBS_EDIT_ERR_MESSAGE_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_CATEGORY_CODE

SSVERERR_SS_SUMMARY_FK

DOCUMENT_CONTROL_NUMBER = SAMPLE_SCALE_SUMMARY.DOCUMENT_CONTROL_NUMBER

VERSION = SAMPLE_SCALE_SUMMARY.VERSION

Indexes:

SSVERERR_EEMC_FK_I

HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE

SSVERERR_SS_SUMMARY_FK_I

DOCUMENT_CONTROL_NUMBER

VERSION

Table: SAMPLE_SEGREGATION**Description:**

Used to capture metrics about a specific species/product/grade segregation of timber
 A subtype of Piece Scale Method Segregation...
 Captures segregation details for a sample scale summary scale return

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEGREGATION_ID A surrogate key uniquely identifying a segregation	NOT NULL	NUMBER(32)
2	SCALE_SPECIES_CODE A code used to identify a type of tree species	NULL	VARCHAR2(2)
3	SCALE_GRADE_CODE A code used to identify a grade of timber	NULL	VARCHAR2(1)
4	SCALE_PRODUCT_CODE A code used to identify a type of timber product	NULL	VARCHAR2(2)
5	DOCUMENT_CONTROL_NUMBER Uniquely identifies a scale return	NOT NULL	NUMBER(10)
6	VERSION Identifies the version of a summary scale return. A new version is created when the scale return is replaced with changes.	NOT NULL	NUMBER(10)
7	NUMBER_OF_PIECES The number of pieces of timber (i.e. logs) or special forest products scaled for a segregation	NOT NULL	NUMBER(6)
8	INPUT_SPECIES The species identifier supplied on the source document. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "species" component of the relationship to the Species Product Grade Xref entity</i>	NULL	VARCHAR2(2)
9	INPUT_PRODUCT The product identifier supplied on the source document. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "product" component of the relationship to the Species Product Grade Xref entity</i>	NULL	VARCHAR2(2)
10	INPUT_GRADE The grade identifier supplied on the source document. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "grade" component of the relationship to the Species Product Grade Xref entity</i>	NULL	VARCHAR2(1)
11	VOLUME The total volume, in cubic meters, of the timber scaled in the segregation	NULL	NUMBER(9,3)
12	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
13	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
14	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
15	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

SAMPLESEG_SSPGXREF_FK
 SCALE_SPECIES_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_SPECIES_CODE
 SCALE_PRODUCT_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_PRODUCT_CODE
 SCALE_GRADE_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_GRADE_CODE
 SAMPLESEG_SS_SUMMARY_FK
 DOCUMENT_CONTROL_NUMBER = SAMPLE_SCALE_SUMMARY.DOCUMENT_CONTROL_NUMBER
 VERSION = SAMPLE_SCALE_SUMMARY.VERSION

Indexes:

SAMPLESEG_SSPGXREF_FK_I
 SCALE_SPECIES_CODE
 SCALE_PRODUCT_CODE
 SCALE_GRADE_CODE
 SAMPLESEG_SS_SUMMARY_FK_I

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

DOCUMENT_CONTROL_NUMBER
VERSION

Table: SAMPLE_SEGREGATION_STATS*Description:*

A supertype of the various statistics calculated for a sample load
 Calculated statistics recorded at the segregation level for a summarized sample

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TRX_ID A generated unique identifier for the a summary scale return transaction	NOT NULL	NUMBER(32)
* 2	SCALE_SPECIES_CODE A code used to identify a type of tree species	NOT NULL	VARCHAR2(2)
* 3	SCALE_PRODUCT_CODE A code used to identify a type of timber product	NOT NULL	VARCHAR2(2)
* 4	SCALE_GRADE_CODE A code used to identify a grade of timber	NOT NULL	VARCHAR2(1)
5	SAMPLE_VOLUME The volume of the timber scaled for the purposes of statistical calulations applied at specific grouping levels (i.e. segregation level, species level or grade level)	NULL	NUMBER(15,3)
6	VOLUME_FRACTION The fraction of the volume of the timber scaled applied at specific grouping levels (i.e. segregation level, species level or grade level)	NULL	NUMBER(5,2)
7	RATIO The weight to volume ratio calculated for the purposes of statistical calulations applied at specific grouping levels (i.e. segregation level, species level or grade level)	NULL	NUMBER(6,5)

Foreign Keys:

SAMSEGSTAT_SMPLSCLTXN_FK
 TRX_ID = SAMPLE_SCL_SMRY_TXN.TRX_ID
 SAMSEGSTAT_SSPGXREF_FK
 SCALE_SPECIES_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_SPECIES_CODE
 SCALE_PRODUCT_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_PRODUCT_CODE
 SCALE_GRADE_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_GRADE_CODE

Indexes:

SAMSEGSTAT_SMPLSCLTXN_FK_I
 TRX_ID
 SAMSEGSTAT_SSPGXREF_FK_I
 SCALE_SPECIES_CODE
 SCALE_PRODUCT_CODE
 SCALE_GRADE_CODE

Table: SAMPLE_SPECIES_STATS*Description:*

A supertype of the various statistics calculated for a sample load

Calculated statistics recorded at the species level for a summarized sample

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TRX_ID A generated unique identifier for the a summary scale return transaction	NOT NULL	NUMBER(32)
* 2	SCALE_SPECIES_CODE A code used to identify a type of tree species	NOT NULL	VARCHAR2(2)
3	SAMPLE_VOLUME The volume of the timber scaled for the purposes of statistical calulations applied at specific grouping levels (i.e. segregation level, species level or grade level)	NULL	NUMBER(15,3)
4	VOLUME_FRACTION The fraction of the volume of the timber scaled applied at specific grouping levels (i.e. segregation level, species level or grade level)	NULL	NUMBER(5,2)
5	RATIO The weight to volume ratio calculated for the purposes of statistical calulations applied at specific grouping levels (i.e. segregation level, species level or grade level)	NULL	NUMBER(6,5)

Foreign Keys:

SAMSPSTAT_SMPLSCLTXN_FK

TRX_ID = SAMPLE_SCL_SMRY_TXN.TRX_ID

SAMSPSTAT_SSC_FK

SCALE_SPECIES_CODE = SCALE_SPECIES_CODE.SCALE_SPECIES_CODE

Indexes:

SAMSPSTAT_SMPLSCLTXN_FK_I

TRX_ID

SAMSPSTAT_SSC_FK_I

SCALE_SPECIES_CODE

Table: SAMPLE_TALLY_DETAIL**Description:**

Captures information common to all types of detail log data

A subtype of Log

Information pertaining to the scaling of a specific log for a sample scale log tally.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	LOGDTL_ID Surrogate key used to uniquely identify a record of information pertaining to a scaled log	NOT NULL	NUMBER(32)
2	DETAIL_DOCUMENT_NUMBER A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.	NOT NULL	VARCHAR2(13)
3	VERSION Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.	NOT NULL	NUMBER(2)
4	SCALE_SPECIES_CODE A code used to identify a type of tree species	NULL	VARCHAR2(2)
5	SCALE_GRADE_CODE A code used to identify a grade of timber	NULL	VARCHAR2(1)
6	SCALE_PRODUCT_CODE A code used to identify a type of timber product	NULL	VARCHAR2(2)
7	DTLSEG_ID Obsolete column	NULL	NUMBER(32)
8	LOG_NUMBER A sequential identifier for each log on a log tally.	NOT NULL	NUMBER(4)
9	LENGTH The length of a log in decimeters.	NOT NULL	NUMBER(3,1)
10	TOP The diameter of the top of the log measured in rads	NOT NULL	NUMBER(3)
11	BUTT The diameter of the butt (i.e. bottom) of the log measured in rads	NOT NULL	NUMBER(3)
12	NET_VOLUME The generated net volume of the log (i.e. net of deductions for defects) in cubic meters. <i>The calculation used to generate this value uses Smalians Formula:</i> $= ((top * top) + (butt * butt) * length * F) - (total \ net \ volume \ of \ all \ defects \ for \ the \ log)$ <i>(where F = Smalian's constant [0.0001570796])</i>	NOT NULL	NUMBER(6,3)
13	NMV_IND	NOT NULL	VARCHAR2(1)
14	DEDUCTION_COUNT The number of deductions/defects attributed to a log	NOT NULL	NUMBER(1)
15	INPUT_SPECIES A species identifier supplied for a detail scale document segregation. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "species" component of the relationship to the Species Product Grade Xref entity.</i>	NULL	VARCHAR2(2)
16	INPUT_GRADE A grade identifier supplied for a detail scale document segregation. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "grade" component of the relationship to the Species Product Grade Xref entity.</i>	NULL	VARCHAR2(1)
17	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
18	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
19	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
20	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

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

SAMTLYDTL_SLTT_FK

DETAIL_DOCUMENT_NUMBER = SAMPLE_LOG_TALLY.DETAIL_DOCUMENT_NUMBER

VERSION = SAMPLE_LOG_TALLY.VERSION

SAMTLYDTL_SSPGXREF_FK

SCALE_SPECIES_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_SPECIES_CODE

SCALE_PRODUCT_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_PRODUCT_CODE

SCALE_GRADE_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_GRADE_CODE

Indexes:

SAMTLYDTL_SLTT_FK_I

DETAIL_DOCUMENT_NUMBER

VERSION

SAMTLYDTL_SSPGXREF_FK_I

SCALE_SPECIES_CODE

SCALE_PRODUCT_CODE

SCALE_GRADE_CODE

Table: SAMPLE_TALLY_DETAIL_DEFECT*Description:*

Captures information describing a defect deduction for a log.

Records defect information associated with a specific log recorded on a sample log tally scale document

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	LOG_DEFECT_ID	NOT NULL	NUMBER(32)
	A unique identifier (surrogate) for a log defect entry		
2	LOGDTL_ID	NOT NULL	NUMBER(32)
	Surrogate key used to uniquely identify a record of information pertaining to a scaled log		
3	DEFECT_NUMBER	NOT NULL	NUMBER(1)
	A sequential number identifying a defect deduction for a log		
4	DEFECT_TYPE	NOT NULL	VARCHAR2(2)
	A code identifying the type of defect being deducted for a log.		
	<i>There is no code list for this code as there are currently no standards for defect codes in the scaling manual.</i>		
	<i>(e.g. for the defect code for 'butt rot' one scale may use the 'B' and another may use 'BR')</i>		
5	VOLUME	NOT NULL	NUMBER(6,3)
	A calculated volume for a defect deduction on a log.		
	<i>The method of calculating the defect deduction volume is described by the defect descriptor (i.e. formatted defect measurement description)</i>		
6	DESCRIPTOR	NOT NULL	VARCHAR2(40)
	A formatted defect measurement description.		
7	ENTRY_USERID	NOT NULL	VARCHAR2(30)
	The USERID of the individual who entered the information.		
8	ENTRY_TIMESTAMP	NOT NULL	DATE
	The date and time on which the record was created.		
9	UPDATE_USERID	NULL	VARCHAR2(30)
	The USERID of the individual who last updated the information.		
10	UPDATE_TIMESTAMP	NULL	DATE
	The date and time the record was last modified.		

Foreign Keys:

STDDEFECT_SAMTLYDTL_FK
LOGDTL_ID = SAMPLE_TALLY_DETAIL.LOGDTL_ID

Indexes:

STDDEFECT_SAMTLYDTL_FK_I
LOGDTL_ID

Table: SAMPLE_TALLY_DETAIL_ERROR*Description:*

Records all errors encountered during edit events.

Records errors encountered during edit events for specific log associated with a detail sample scale log tally scale document

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ERROR_ID Surrogate key for uniquely identifying an error	NOT NULL	NUMBER(32)
2	HBS_EDIT_ERR_CATEGORY_CODE A code used to identify an error category for an edit error	NOT NULL	VARCHAR2(3)
3	HBS_EDIT_ERR_MESSAGE_CODE A code used to identify an error message that an edit event may generate	NOT NULL	VARCHAR2(6)
4	LOGDTL_ID Surrogate key used to uniquely identify a record of information pertaining to a scaled log	NOT NULL	NUMBER(32)
5	ERROR_TIMESTAMP Date and time at which the error message was generated	NOT NULL	DATE

Foreign Keys:

STDTLERR_EEMC_FK

HBS_EDIT_ERR_MESSAGE_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_CATEGORY_CODE

STDTLERR_SAMTLYDTL_FK

LOGDTL_ID = SAMPLE_TALLY_DETAIL.LOGDTL_ID

Indexes:

STDTLERR_EEMC_FK_I

HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE

STDTLERR_SAMTLYDTL_FK_I

LOGDTL_ID

Table: SAMPLE_TALLY_TXN**Description:**

Captures derived detail scale document data generated during the processing of a detail scale document version
 A subtype of Detail Scale Document Version Txn...
 A record of a processing transaction applied against a sample scaled detail scale document version.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DTL_TXN_ID A generated unique identifier for the a detail scale return transaction	NOT NULL	NUMBER(32)
2	HBS_TXN_STATUS_CODE A code used to describe the current state of a summary scale return transaction	NOT NULL	VARCHAR2(3)
3	HBS_TXN_TYPE_CODE A code used to identify the type of transaction generated for a summary scale return version	NOT NULL	VARCHAR2(3)
4	SUMMARY_DOCUMENT_VERSION Identifies the version of a summary scale return. A new version is created when the scale return is replaced with changes.	NOT NULL	NUMBER(10)
5	DOCUMENT_CONTROL_NUMBER Uniquely identifies a scale return	NOT NULL	NUMBER(10)
6	DETAIL_DOCUMENT_NUMBER A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.	NOT NULL	VARCHAR2(13)
7	DETAIL_DOCUMENT_VERSION Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.	NOT NULL	NUMBER(2)
8	DTL_TXN_ID_CANCELLED_BY A generated unique identifier for the a detail scale return transaction	NULL	NUMBER(32)
9	EVENT_SEQUENCE This is the sequence, repeating for each summary scale return version, that identifies the sequence of events for which transactions have been applied to a summary scale return version. e.g, transaction sequences for a return can be... 1 original 2 cancelled 3 replaced (this is the case where the return is cancelled and replaced at a later date resulting from 3 seperate user requests or cancelled and replaced with changes resulting from a single user request) or 1 original 2 cancelled 2 replaced (this is the case where the return is cancelled and replaced without changes resulting from a single user request)	NOT NULL	NUMBER(1)
10	DEBIT_CREDIT_TYPE Indicates if a transaction results in a debit (+) or credit (-) movement	NOT NULL	VARCHAR2(2)
11	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
12	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
13	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
14	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

SMPLTLY_HBSTSC_FK
 HBS_TXN_STATUS_CODE = HBS_TXN_STATUS_CODE.HBS_TXN_STATUS_CODE
 SMPLTLY_HBSTTC_FK

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

HBS_TXN_TYPE_CODE = HBS_TXN_TYPE_CODE.HBS_TXN_TYPE_CODE
SMPLTLY_SMPLOGTLY_FK
DETAIL_DOCUMENT_NUMBER = SAMPLE_LOG_TALLY.DETAIL_DOCUMENT_NUMBER
DETAIL_DOCUMENT_VERSION = SAMPLE_LOG_TALLY.VERSION
SMPLTLY_SS_SUMMARY_FK
DOCUMENT_CONTROL_NUMBER = SAMPLE_SCALE_SUMMARY.DOCUMENT_CONTROL_NUMBER
SUMMARY_DOCUMENT_VERSION = SAMPLE_SCALE_SUMMARY.VERSION
SMPLTLY_STTXN_CANBY_FK
DTL_TXN_ID_CANCELLED_BY = SAMPLE_TALLY_TXN.DTL_TXN_ID

Indexes:

SMPLTLY_HBSTSC_FK_I
HBS_TXN_STATUS_CODE
SMPLTLY_HBSTTC_FK_I
HBS_TXN_TYPE_CODE
SMPLTLY_SMPLOGTLY_FK_I
DETAIL_DOCUMENT_NUMBER
DETAIL_DOCUMENT_VERSION
SMPLTLY_SS_SUMMARY_FK_I
DOCUMENT_CONTROL_NUMBER
SUMMARY_DOCUMENT_VERSION

Table: SCALER*Description:*

The Scaler is a person who is a Ministry of Forests client and is qualified to perform various types of quantification measurements on forest products. Typically he/she might perform a scale of logs.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SCALER_LICENCE_NO A number used to uniquely identify each scaler who is registered with the Ministry.	NOT NULL	VARCHAR2(4)
* 3	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NOT NULL	VARCHAR2(8)

Foreign Keys:

SCA_FC_FK
CLIENT_NUMBER = FOREST_CLIENT.CLIENT_NUMBER

Indexes:

SCA_FC_FK_I
CLIENT_NUMBER

Table: SCALE_ANOMALY_LOG*Description:*

This entity tracks anomalies associated with the acquisition of scale data.

e.g.

Scaling event gaps and duplicates
Weighing event gaps and duplicates
Arrival event gaps and duplicates
Arrival / Departure mismatches
Weigh slip / Sample mismatches
Weigh slip / red tag mismatches

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ANOMALY_ID A surrogate key uniquely identifying an anomaly log entry	NOT NULL	NUMBER(32)
2	SCALE_ANOMALY_STATUS_CODE A code used to describe the status of an anomaly.	NOT NULL	VARCHAR2(1)
3	SCALE_ANOMALY_TYPE_CODE A code used to describe the type of an anomaly.	NOT NULL	VARCHAR2(1)
4	SCALE_CONTROL_TYPE_CODE A code used to identify the type of a scale control audit associated with an anomal	NOT NULL	VARCHAR2(1)
5	ANOMALY_BATCH_ID A unique identifier assigned to each run of the anomaly batch process	NOT NULL	NUMBER(32)
6	ORIGINAL_ANOMALY_BATCH_ID	NOT NULL	NUMBER(32)
7	USER_ID	NULL	VARCHAR2(30)
8	DOCUMENT_EVENT_DATE The date and time that the anomaly was noted	NULL	DATE
9	ANOMALY_GAP_COUNT	NULL	NUMBER(10)
10	CLEARED_DATETIME The date and time that a cleared status was assigned to the anomaly indicating resolution	NULL	DATE
11	WS_DTL_DOC_NO A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.	NULL	VARCHAR2(13)
12	WS_VERSION Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.	NULL	NUMBER(2)
13	LOG_TLY_DTL_DOC_NO A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.	NULL	VARCHAR2(13)
14	LOG_TLY_VERSION Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.	NULL	NUMBER(2)
15	SMPL_TLY_DTL_DOC_NO A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.	NULL	VARCHAR2(13)
16	SMPL_TLY_VERSION Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.	NULL	NUMBER(2)
17	SFP_TLY_DTL_DOC_NO A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.	NULL	VARCHAR2(13)
18	SFP_TLY_VERSION Identifies the version of a detail scale return. A new version is created when a detail scale return is	NULL	NUMBER(2)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
19	ARRVL_LDGR_DTL_DOC_NO A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.	NULL	VARCHAR2(13)
20	ARRVL_LDGR_VERSION Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.	NULL	NUMBER(2)
21	DEPRT_LDGR_DTL_DOC_NO A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.	NULL	VARCHAR2(13)
22	DEPRT_LDGR_VERSION Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.	NULL	NUMBER(2)
23	USER_CLEARED_COMMENT	NULL	VARCHAR2(240)

Foreign Keys:

SCLANOMLOG_ANOMBAT_FK
 ANOMALY_BATCH_ID = HBS_ANOMALY_BATCH_EVENT.ANOMALY_BATCH_ID
 SCLANOMLOG_HBS_HU_FK
 USER_ID = HBS_USER.USER_ID
 SCLANOMLOG_LOG_TALLY_FK
 LOG_TLY_DTL_DOC_NO = LOG_TALLY.DETAIL_DOCUMENT_NUMBER
 LOG_TLY_VERSION = LOG_TALLY.VERSION
 SCLANOMLOG_ORIG_ANOMBAT_FK
 ORIGINAL_ANOMALY_BATCH_ID = HBS_ANOMALY_BATCH_EVENT.ANOMALY_BATCH_ID
 SCLANOMLOG_SCLANOMST_FK
 SCALE_ANOMALY_STATUS_CODE = SCALE_ANOMALY_STATUS_CODE.SCALE_ANOMALY_STATUS_CODE
 SCLANOMLOG_SCLANOMTYP_FK
 SCALE_ANOMALY_TYPE_CODE = SCALE_ANOMALY_TYPE_CODE.SCALE_ANOMALY_TYPE_CODE
 SCLANOMLOG_SCLCTRLTYP_FK
 SCALE_CONTROL_TYPE_CODE = SCALE_CONTROL_TYPE_CODE.SCALE_CONTROL_TYPE_CODE
 SCLANOMLOG_SFPTLY_FK
 SFP_TLY_DTL_DOC_NO = SPECIAL_FOREST_PRODUCT_TALLY.DETAIL_DOCUMENT_NUMBER
 SFP_TLY_VERSION = SPECIAL_FOREST_PRODUCT_TALLY.VERSION
 SCLANOMLOG_SLTT_FK
 SMPL_TLY_DTL_DOC_NO = SAMPLE_LOG_TALLY.DETAIL_DOCUMENT_NUMBER
 SMPL_TLY_VERSION = SAMPLE_LOG_TALLY.VERSION
 SCLANOMLOG_SSARVLDGR_FK
 ARRVL_LDGR_DTL_DOC_NO = SCL_SITE_ARRIVAL_LEDGER.DETAIL_DOCUMENT_NUMBER
 ARRVL_LDGR_VERSION = SCL_SITE_ARRIVAL_LEDGER.VERSION
 SCLANOMLOG_SSDLT_FK
 DEPRT_LDGR_DTL_DOC_NO = SCL_SITE_DEPARTURE_LEDGER.DETAIL_DOCUMENT_NUMBER
 DEPRT_LDGR_VERSION = SCL_SITE_DEPARTURE_LEDGER.VERSION
 SCLANOMLOG_WST_FK
 WS_DTL_DOC_NO = WEIGH_SLIP.DETAIL_DOCUMENT_NUMBER
 WS_VERSION = WEIGH_SLIP.VERSION

Indexes:

SCLANOMLOG_ANOMBAT_FK_I
 ANOMALY_BATCH_ID
 SCLANOMLOG_LOG_TALLY_FK_I
 LOG_TLY_DTL_DOC_NO
 LOG_TLY_VERSION
 SCLANOMLOG_SCLANOMST_FK_I

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

SCALE_ANOMALY_STATUS_CODE
SCLANOMLOG_SCLANOMTYP_FK_I
SCALE_ANOMALY_TYPE_CODE
SCLANOMLOG_SCLCTRLTYP_FK_I
SCALE_CONTROL_TYPE_CODE
SCLANOMLOG_SFPTLY_FK_I
SFP_TLY_DTL_DOC_NO
SFP_TLY_VERSION
SCLANOMLOG_SLTT_FK_I
SMPL_TLY_DTL_DOC_NO
SMPL_TLY_VERSION
SCLANOMLOG_SSARVLDGR_FK_I
ARRVL_LDGR_DTL_DOC_NO
ARRVL_LDGR_VERSION
SCLANOMLOG_SSDLT_FK_I
DEPRT_LDGR_DTL_DOC_NO
DEPRT_LDGR_VERSION
SCLANOMLOG_WST_FK_I
WS_DTL_DOC_NO
WS_VERSION

Table: SCALE_ANOMALY_STATUS_CODE*Description:*

Identifies the status of an anomaly

A cleared by an automated process

(i.e. the anomaly was automatically cleared by the subsequent submission of scale data)

O outstanding

U cleared by a user

W warning

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SCALE_ANOMALY_STATUS_CODE A code used to describe the status of an anomaly.	NOT NULL	VARCHAR2(1)
2	DESCRIPTION A text description of the code used to identify the current state of an anomaly	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: SCALE_ANOMALY_TYPE_CODE*Description:*

Identifies a type of anomaly

D - Duplicate

G - Gap

M- Mismatch

F - Format (non standard load arrival number format)

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SCALE_ANOMALY_TYPE_CODE A code used to describe the type of an anomaly.	NOT NULL	VARCHAR2(1)
2	DESCRIPTION A text description of the code identifying a type of anomaly	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: SCALE_CONTROL_TYPE_CODE*Description:*

Identifies a type of scale control audit process that applies to an anomaly:

- A Arrival Sequence Verification
- S Scaling Sequence Verification
- W Weighing Sequence Verification
- X Arrival / Departure Cross Reference
- Y Weight Slip / Sample Cross Reference
- Z Weigh Slip / Red Tag Cross Reference

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SCALE_CONTROL_TYPE_CODE A code used to identify the type of a scale control audit associated with an anomaly	NOT NULL	VARCHAR2(1)
2	DESCRIPTION A text description of the code used to identify an error category for an edit error	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: SCALE_EVENT_TYPE_CODE*Description:*

Identifies an event type for a scale document:

e.g.

B4 scaled before

CS check scale

CU company use

DP departure

FD from site deck

PS primary scale

RS remote sample

RR remote red tag

SS sample

TD to site deck

4R SB4 - rescale

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SCALE_EVENT_TYPE_CODE	NOT NULL	VARCHAR2(2)
	A code used to identify the type of a scale event associated with a detail scale document		
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
	A text description of the of the scale event type		
3	EFFECTIVE_DATE	NOT NULL	DATE
	The date the code becomes effective.		
4	EXPIRY_DATE	NOT NULL	DATE
	The date after which the code is no longer available for use.		
5	UPDATE_TIMESTAMP	NOT NULL	DATE
	The date and time the record was last modified.		

Table: SCALE_GRADE_CODE*Description:*

A list of valid scaled grade codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SCALE_GRADE_CODE A code used to identify a grade of timber	NOT NULL	VARCHAR2(1)
2	DESCRIPTION A text description of a code used to identify a grade of timber	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: SCALE_PRODUCT_CODE*Description:*

A list of valid scaled product codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SCALE_PRODUCT_CODE A code used to identify a type of timber product	NOT NULL	VARCHAR2(2)
2	DESCRIPTION A text description of a code used to identify a type of timber product	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: SCALE_PROG_SITE*Description:*

Certifies scaling software programs for use at provincial scale sites.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SCALE_SITE_ID_NMBR An alphanumeric code used to uniquely identify a scale site.	NOT NULL	VARCHAR2(4)
* 2	SCALING_PROGRAM_NO A number used to uniquely identify each scaling program.	NOT NULL	NUMBER(5)
* 3	SPV_VERSION A number used to identify a version of a scaling program.	NOT NULL	VARCHAR2(4)
* 4	REVISION_NUMBER Identifies the revision number or value for a specific scaling program version.	NOT NULL	VARCHAR2(4)

Table: SCALE_RETURN_STATE_CODE*Description:*

Tracks the current status of a summary scale return:

e.g.

CCM Cancel Complete

CIP Cancel In Progress

CWC Cancel With Replace With Changes

CWR Cancel With Replace No Changes

DIS Discarded

OCM Original Complete

OIP Original In Progress

RCC Replace With Changes Complete

RCP Replace With Changes In Progress

RNC Replace No Changes Complete

RNP Replace No Changes In Progress

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SCALE_RETURN_STATE_CODE	NOT NULL	VARCHAR2(3)
	A code used to describe the current state of a summary scale return		
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
	A textual description of the current state of a summary scale return		
3	EFFECTIVE_DATE	NOT NULL	DATE
	The date the code becomes effective.		
4	EXPIRY_DATE	NOT NULL	DATE
	The date after which the code is no longer available for use.		
5	UPDATE_TIMESTAMP	NOT NULL	DATE
	The date and time the record was last modified.		

Table: SCALE_SITE*Description:*

The scale site is the geographic location where a scaling operation is situated.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SCALE_SITE_ID_NMBR An alphanumeric code used to uniquely identify a scale site.	NOT NULL	VARCHAR2(4)

Table: SCALE_SITE_ARVL_LDGR_ERROR*Description:*

Records all errors encountered during edit events.

Records errors encountered during edit events for arrival ledger detail scale documents

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ERROR_ID	NOT NULL	NUMBER(32)
	Surrogate key for uniquely identifying an error		
2	HBS_EDIT_ERR_MESSAGE_CODE	NOT NULL	VARCHAR2(6)
	A code used to identify an error message that an edit event may generate		
3	HBS_EDIT_ERR_CATEGORY_CODE	NOT NULL	VARCHAR2(3)
	A code used to identify an error category for an edit error		
4	DETAIL_DOCUMENT_NUMBER	NOT NULL	VARCHAR2(13)
	A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.		
5	VERSION	NOT NULL	NUMBER(2)
	Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.		
6	ERROR_TIMESTAMP	NOT NULL	DATE
	Date and time at which the error message was generated		

Foreign Keys:

SSALGRERR_EEMC_FK

HBS_EDIT_ERR_MESSAGE_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_CATEGORY_CODE

SSALGRERR_SSARVLDGR_FK

DETAIL_DOCUMENT_NUMBER = SCL_SITE_ARRIVAL_LEDGER.DETAIL_DOCUMENT_NUMBER

VERSION = SCL_SITE_ARRIVAL_LEDGER.VERSION

Indexes:

SSALGRERR_EEMC_FK_I

HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE

SSALGRERR_SSARVLDGR_FK_I

DETAIL_DOCUMENT_NUMBER

VERSION

Table: SCALE_SITE_DEP_LDGR_ERROR*Description:*

Records all errors encountered during edit events.

Records errors encountered during edit events for departure ledger detail scale documents

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ERROR_ID	NOT NULL	NUMBER(32)
	Surrogate key for uniquely identifying an error		
2	HBS_EDIT_ERR_MESSAGE_CODE	NOT NULL	VARCHAR2(6)
	A code used to identify an error message that an edit event may generate		
3	HBS_EDIT_ERR_CATEGORY_CODE	NOT NULL	VARCHAR2(3)
	A code used to identify an error category for an edit error		
4	DETAIL_DOCUMENT_NUMBER	NOT NULL	VARCHAR2(13)
	A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.		
5	VERSION	NOT NULL	NUMBER(2)
	Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.		
6	ERROR_TIMESTAMP	NOT NULL	DATE
	Date and time at which the error message was generated		

Foreign Keys:

SSDLGRERR_EEMC_FK

HBS_EDIT_ERR_MESSAGE_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_CATEGORY_CODE

SSDLGRERR_SSDLT_FK

DETAIL_DOCUMENT_NUMBER = SCL_SITE_DEPARTURE_LEDGER.DETAIL_DOCUMENT_NUMBER

VERSION = SCL_SITE_DEPARTURE_LEDGER.VERSION

Indexes:

SSDLGRERR_EEMC_FK_I

HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE

SSDLGRERR_SSDLT_FK_I

DETAIL_DOCUMENT_NUMBER

VERSION

Table: SCALE_SITE_PROFILE*Description:*

Formerly TRADING PARTNER SUBMITTER

This entity identifies and validates the submitter of a transmission/batch of scale data

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SSPROF_ID A unique identifier for the submitter of a batch of scale data	NOT NULL	NUMBER(32)
2	SCALE_SITE_ID_NMBR An alphanumeric code used to uniquely identify a scale site.	NOT NULL	VARCHAR2(4)
3	HBS_RETURN_TYPE_CODE A code used to identify a type of scale return	NOT NULL	VARCHAR2(1)
4	DOC_TYPE Identifies a scale site as being eligible to scale and submit detail and summary type scale documents	NOT NULL	VARCHAR2(1)
5	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
6	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
7	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
8	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
9	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
10	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

SSPROF_HRTC_FK

HBS_RETURN_TYPE_CODE = HBS_RETURN_TYPE_CODE.HBS_RETURN_TYPE_CODE

SSPROF_SS_FK

SCALE_SITE_ID_NMBR = SCALE_SITE.SCALE_SITE_ID_NMBR

Indexes:

SSPROF_HRTC_FK_I

HBS_RETURN_TYPE_CODE

SSPROF_SS_FK_I

SCALE_SITE_ID_NMBR

Table: SCALE_SPECIES_CODE*Description:*

A list of valid scaled species codes.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SCALE_SPECIES_CODE A code used to identify a type of tree species	NOT NULL	VARCHAR2(2)
2	DESCRIPTION A text description of a code used to identify a type of tree species	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: SCALING_HISTORY*Description:*

This is the table used to store volume and value data for a Mark at a specific scale site. The volumes are summary data, retained by Species, product, grade, scaling period, and billing type. It exists for performance reasons to support the various queries and reports.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NOT NULL	VARCHAR2(6)
* 2	SCALE_SITE An alphanumeric code used to uniquely identify a scale site.	NOT NULL	VARCHAR2(4)
* 3	SCALING_PERIOD This field is represents the last day of the month in which volume was scaled	NOT NULL	DATE
* 4	SCALE_SPECIES_CODE A code that identifies the species of log being scaled.	NOT NULL	VARCHAR2(2)
* 5	SCALE_PRODUCT_CODE This code identifies the type of forest product being scaled. It is blank for logs.	NOT NULL	VARCHAR2(2)
* 6	SCALE_GRADE_CODE A code assigned to each log to indicate the overall quality, which infers a certain value.	NOT NULL	VARCHAR2(1)
* 7	BILLING_TYPE_CODE This is a code used to differentiate between various types of billed volumes. Examples being regular harvest volume, waste volume, trespass volume, and overcut volume.	NOT NULL	VARCHAR2(2)

Table: SCL_PG_REVISION*Description:*

Contains revision specific details for each scaling program version.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SCALING_PROGRAM_NO A number used to uniquely identify each scaling program.	NOT NULL	NUMBER(5)
* 2	VERSION Identifies the version number or value for a specific scaling program.	NOT NULL	VARCHAR2(4)
* 3	REVISION_NUMBER Identifies the revision number or value for a specific scaling program version.	NOT NULL	VARCHAR2(4)

Table: SCL_PRG_VERSION*Description:*

Contains version specific details for a scaling program.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SCALING_PROGRAM_NO A number used to uniquely identify each scaling program.	NOT NULL	NUMBER(5)
* 2	VERSION Identifies the version number or value for a specific scaling program.	NOT NULL	VARCHAR2(4)

Table: SCL_RTN_CATEGORY_CODE*Description:*

Provides a means to categorize scale returns:

eg.

WA Waste

BC Beachcomb

FI Field scale

PR Primary scale

CH Check scale

FB Final Bill

NB Nil Bill

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SCL_RTN_CATEGORY_CODE A code used to identify the format type of a summary scale return	NOT NULL	VARCHAR2(2)
2	DESCRIPTION A textual description of the code used to identify the format type of a summary scale return	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
4	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
5	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Table: SCL_RTN_VERSION_STATE_CODE*Description:*

Tracks the current status of a summary scale return version:

eg.

ACC Accepted

AWP Awaiting Approval

CAN Cancelled

CRD Cancel Requested

DEL Discarded - Deleted

DSF Awaiting Digital Signature Validation

ERR In Error

FAL Reconcile Failed

HLD Held

INC Incomplete

LCK Locked

OIV Invoiced - On An Invoice

PND Correction Pending

RDY Ready

RRD Replacement Requested

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SCL_RTN_VERSION_STATE_CODE	NOT NULL	VARCHAR2(3)
	A code used to describe the current state of a summary scale return version		
2	DESCRIPTION	NOT NULL	VARCHAR2(120)
	A textual description of the current state of a summary scale return version		
3	EFFECTIVE_DATE	NOT NULL	DATE
	The date the code becomes effective.		
4	EXPIRY_DATE	NOT NULL	DATE
	The date after which the code is no longer available for use.		
5	UPDATE_TIMESTAMP	NOT NULL	DATE
	The date and time the record was last modified.		

Table: SCL_SITE_ARRIVAL_LEDGER**Description:**

Captures source data for a version of a detail level scale document or ledger item

This entity captures all attributes common to all scale document types except for departure ledgers

A subtype of Detail Scale Document Version...

Tracks information, captured by alternate means (e.g. hand written ledger), pertaining to the arrival of a truck at a scale site.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DETAIL_DOCUMENT_NUMBER A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.	NOT NULL	VARCHAR2(13)
* 2	VERSION Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.	NOT NULL	NUMBER(2)
3	BATDOC_ID Surrogate key for uniquely identifying a document from a detail scale document batch	NULL	NUMBER(32)
4	SCALE_EVENT_TYPE_CODE A code used to identify the type of a scale event associated with a detail scale document	NOT NULL	VARCHAR2(2)
5	SCL_RTN_VERSION_STATE_CODE A code used to describe the current state of a summary scale return version	NOT NULL	VARCHAR2(3)
6	SCALE_DATE The date (and time for weigh slips) upon which a load of timber was scaled	NULL	DATE
7	SCALE_SITE_ID_NMBR An alphanumeric code used to uniquely identify a scale site.	NULL	VARCHAR2(4)
8	CUT_BLOCK_ID Identifies the cut block where the timber scaled on a detail scale return was harvested. <i>This data item cannot be validated with RI at this time as there is no standard set Cut blocks currently in use by both Industry and the Ministry</i>	NULL	VARCHAR2(10)
9	ARRIVAL_DATE The date the load arrived at the scale site	NULL	DATE
10	LICENSE_NUMBER A number used to uniquely identify each scaler who is registered with the Ministry.	NULL	VARCHAR2(4)
11	QUANT_LIC_TYPE_CD Obsolete column	NULL	VARCHAR2(1)
12	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NULL	VARCHAR2(6)
13	TIMBER_BRAND This describes the source of a load of lumber as the combination of scale site and district code. This attribute is only used for the following scale events: WSR 4R (Weigh Slip SB4 Rescale) POT 4R (Other Tallies SB4 Rescale)	NULL	VARCHAR2(7)
14	ARRIVAL_LEDGER_WEIGH_SLIP A weigh slip number used to identify a weigh scaled load	NULL	VARCHAR2(10)
15	RETURN_NUMBER A unique number (in conjunction with the scaler's licence number and date), and is assigned to a parcel of timber by a scaler. The scaler assigns #0001 to the first parcel scaled each year and continues consecutively through to 9999. If the scaler scales more than 9999 parcels of timber in a year they then restart with 0001. The dates will then determine the uniqueness of the number.	NULL	NUMBER(4)
16	PARCEL_COUNT The number of parcels that a load was split into <i>This is a small number rarely greater than 3</i>	NULL	NUMBER(1)
17	PARCEL_IDENTIFIER Identifies a specific parcel for a load that was split into parcels (i.e. "parcel x of y total parcels)	NULL	NUMBER(1)
18	VALID_SIGNATURE_IND A flag indicating if the detail scale document was assigned a valid digital signature.	NOT NULL	VARCHAR2(1)
19	ORIGINAL_VERSION_IND	NOT NULL	VARCHAR2(1)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	Indicates that the version was the original version recieved by HBS <i>A scale return's version may be prior to the version identified as the original</i>		
20	ACTIVE_VERSION_IND	NOT NULL	VARCHAR2(1)
	Indicates that a version is the active version of interest to application processes		
21	FIELD_SCALE_IND	NULL	VARCHAR2(1)
	Flags the scale return as having been previously billed on a field scale.		
22	FIELD_SCALE_DECK_ID	NULL	VARCHAR2(1)
	Identifies a deck of timber (i.e. pile of logs) being field scaled (i.e. volume estimate)		
23	ORIG_SCALE_SITE	NULL	VARCHAR2(4)
24	TRANSPORT_IDENTIFIER	NULL	VARCHAR2(16)
	Identifies the transport mechanism that delivered the load of logs to a scale site e.g. Truck - license plate Boom - boom number etc...		
25	INCOMING_LDS_NUMBER	NULL	VARCHAR2(10)
	The load description slip identifier captured from the load description slip document that accompanied a load of timber upon arrival at a scale site.		
26	LOAD_ARRIVAL_NUMBER	NULL	VARCHAR2(10)
	A sequential number assigned to truck loads of timber coming into a scale site. The load arrival number becomes part of the parcel identification.		
27	ARRIVAL_LEDGER_COMMENT	NULL	VARCHAR2(240)
	A free form text attribute for capturing additional information about a detail scale return		
28	DTL_DOC_SEQ	NOT NULL	NUMBER(32)
	Tracks the sequence that the document version was inserted <i>This is a physical attribute for the purposes of implementing anomaly processing</i>		
29	INPUT_PRIMARY_SCALER_LIC	NULL	VARCHAR2(4)
	A "scaler licence" supplied on the source document, identifying the primary scaler responsible for recording a scaling event. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "scaler licence" relationship</i>		
30	INPUT_SCALE_SITE	NULL	VARCHAR2(4)
	An text string in the scale dcoument used to identify the scale site at which a load of timber was scaled. <i>This input field requires validation before it can be copied to the scale documents 'scale site' foreign key field</i>		
31	INPUT_SOURCE	NULL	VARCHAR2(7)
	Identifies the source of the timber scaled on a detail scale return as either a Timber Mark or a Timber Brand, depending on the scale return 'scale event type code'.		
	The Input source represents a Timber Mark for the following scale events:		
	- Weigh Slip		
	Primary scale		
	Sample scale		
	Remote scale		
	Primary departure		
	Red Tag		
	Remote red tag		
	- Piece Scaled Log Tally		
	Primary scale		
	From site deck		
	Red Tag		
	Remote red tag		
	Piece Check Scale		
	Sample scale		
	Remote sample scale		
	Sample check scale		
	- Site ledger (Arrival)		
	Primary scale		

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	To site deck		
	From site deck		
	Remote sample scale		
	Remote red tag		
	- Site ledger (Departure)		
	n/a		
	The Input source represents a Timber Brand for the following scale events:		
	- Weigh Slip		
	SB4 rescale		
	- Piece Scaled Log Tally		
	SB4 rescale		
	- Site ledger (Arrival)		
	Scaled Before		
	SB4 rescale		
	- Site ledger (Departure)		
	n/a		
	<i>This attribute is used to capture information that may not permit referential integrity to be resolved for the Timber Mark relationship where required based on the scale event type.</i>		
	<i>The Timber Brand must be validated against the Timber Brand attribute on the Scale_Site entity</i>		
32	INPUT_CUTBLOCK_ID	NULL	VARCHAR2(10)
	An input text string used to identify the cut block where the timber scaled on a detail scale return was harvested. If valid it will be moved to the cut block id with RI		
	<i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "cut block id" relationship</i>		
33	ENTRY_USERID	NOT NULL	VARCHAR2(30)
	The USERID of the individual who entered the information.		
34	ENTRY_TIMESTAMP	NOT NULL	DATE
	The date and time on which the record was created.		
35	UPDATE_USERID	NULL	VARCHAR2(30)
	The USERID of the individual who last updated the information.		
36	UPDATE_TIMESTAMP	NULL	DATE
	The date and time the record was last modified.		

Foreign Keys:

ARRLDGR_BATDOC_FK
 BATDOC_ID = DTL_DOC_BATCH_DOCUMENT.BATDOC_ID

ARRLDGR_DTLSCLDOC_FK
 DETAIL_DOCUMENT_NUMBER = DETAIL_SCALE_DOCUMENT.DETAIL_DOCUMENT_NUMBER

ARRLDGR_SCLR_FK
 LICENSE_NUMBER = SCALER.SCALER_LICENCE_NO

ARRLDGR_SETC_FK
 SCALE_EVENT_TYPE_CODE = SCALE_EVENT_TYPE_CODE.SCALE_EVENT_TYPE_CODE

ARRLDGR_SRVERSTATE_FK
 SCL_RTN_VERSION_STATE_CODE = SCL_RTN_VERSION_STATE_CODE.SCL_RTN_VERSION_STATE_CODE

ARRLDGR_SS_FK
 SCALE_SITE_ID_NMBR = SCALE_SITE.SCALE_SITE_ID_NMBR

ARRLDGR_TM_FK
 TIMBER_MARK = TIMBER_MARK.TIMBER_MARK

Indexes:

ARRLDGR_BATDOC_FK_I
 BATDOC_ID

ARRLDGR_DTLSCLDOC_FK_I
 DETAIL_DOCUMENT_NUMBER

ARRLDGR_SCA_FK_I
 LICENSE_NUMBER

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

ARRLDGR_SETC_FK_I
SCALE_EVENT_TYPE_CODE
ARRLDGR_SRVERSTATE_FK_I
SCL_RTN_VERSION_STATE_CODE
ARRLDGR_SS_FK_I
SCALE_SITE_ID_NMBR
ARRLDGR_TM_FK_I
TIMBER_MARK

Notes:

The trucks arriving at a scale site will mainly be transporting timber, but there may be occasions to ledger the arrivals of other items (e.g. gravel trucks) to track and maintain load description slip sequences.

Boom arrivals are not ledgered.

Table: SCL_SITE_DEPARTURE_LEDGER**Description:**

Captures source data for a version of a detail level scale document or ledger item
Tracks information pertaining to the departure of a truck load of timber from a scale site.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DETAIL_DOCUMENT_NUMBER A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.	NOT NULL	VARCHAR2(13)
* 2	VERSION Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.	NOT NULL	NUMBER(2)
3	BATDOC_ID Surrogate key for uniquely identifying a document from a detail scale document batch	NULL	NUMBER(32)
4	SCALE_EVENT_TYPE_CODE A code used to identify the type of a scale event associated with a detail scale document	NOT NULL	VARCHAR2(2)
5	SCL_RTN_VERSION_STATE_CODE A code used to describe the current state of a summary scale return version	NOT NULL	VARCHAR2(3)
6	SCALE_SITE_ID_NMBR An alphanumeric code used to uniquely identify a scale site.	NULL	VARCHAR2(4)
7	DEPARTURE_DATE The date that the departure occurred	NOT NULL	DATE
8	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NULL	VARCHAR2(6)
9	TIMBER_BRAND This describes the source of a load of lumber as the combination of scale site and district code. This attribute is only used for the following scale events: WSR 4R (Weigh Slip SB4 Rescale) POT 4R (Other Tallies SB4 Rescale)	NULL	VARCHAR2(7)
10	OUTGOING_TRANSPORT_ID The transport identifier of the departing truckload of timber.	NOT NULL	VARCHAR2(16)
11	ACTIVE_VERSION_IND Indicates that a version is the active version of interest to application processes	NOT NULL	VARCHAR2(1)
12	ORIGINAL_VERSION_IND Indicates that the version was the original version recieved by HBS <i>A scale return's version may be prior to the version identified as the original</i>	NOT NULL	VARCHAR2(1)
13	VALID_SIGNATURE_IND A flag indicating if the detail scale document was assigned a valid digital signature.	NOT NULL	VARCHAR2(1)
14	OUTGOING_LDS_NUMBER The load description slip of the departing truckload of timber.	NOT NULL	VARCHAR2(10)
15	LOAD_DEPARTURE_NUMBER A sequential identifier used to number a departure line item within a scale site's ledger. <i>Each scale site may have there own numbering scheme for identifying a line item in there departure ledgers.</i>	NOT NULL	VARCHAR2(10)
16	DESTINATION The destination of the departing truck load of timber.	NULL	VARCHAR2(4)
17	DTL_DOC_SEQ Tracks the sequence that the document version was inserted <i>This is a physical attribute for the purposes of implementing anomaly processing</i>	NOT NULL	NUMBER(32)
18	INPUT_SCALE_SITE An text string in the scale dcoument used to identify the scale site at which a load of timber was scaled. <i>This input field requires validation before it can be copied to the scale documents 'scale site' foreign key field</i>	NULL	VARCHAR2(4)
19	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
20	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
21	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
22	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

DEPLDGR_BATDOC_FK
BATDOC_ID = DTL_DOC_BATCH_DOCUMENT.BATDOC_ID

DEPLDGR_DTLSCLDOC_FK
DETAIL_DOCUMENT_NUMBER = DETAIL_SCALE_DOCUMENT.DETAIL_DOCUMENT_NUMBER

DEPLDGR_SETC_FK
SCALE_EVENT_TYPE_CODE = SCALE_EVENT_TYPE_CODE.SCALE_EVENT_TYPE_CODE

DEPLDGR_SRVERSTATE_FK
SCL_RTN_VERSION_STATE_CODE = SCL_RTN_VERSION_STATE_CODE.SCL_RTN_VERSION_STATE_CODE

DEPLDGR_SS_FK
SCALE_SITE_ID_NMBR = SCALE_SITE.SCALE_SITE_ID_NMBR

DEPLDGR_TM_FK
TIMBER_MARK = TIMBER_MARK.TIMBER_MARK

Indexes:

DEPLDGR_BATDOC_FK_I
BATDOC_ID

DEPLDGR_DTLSCLDOC_FK_I
DETAIL_DOCUMENT_NUMBER

DEPLDGR_SETC_FK_I
SCALE_EVENT_TYPE_CODE

DEPLDGR_SRVERSTATE_FK_I
SCL_RTN_VERSION_STATE_CODE

DEPLDGR_SS_FK_I
SCALE_SITE_ID_NMBR

DEPLDGR_TM_FK_I
TIMBER_MARK

Notes:

Boom departures are not ledgered.

Table: SFP_TALLY_DETAIL**Description:**

Captures information about the scaling of a unit of a special forest product (i.e. log-like products, products that are measured in a stack, or a piece bundle which is used to capture a piece count as is done for christmas trees)

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SEGDTL_ID	NOT NULL	NUMBER(32)
2	DETAIL_DOCUMENT_NUMBER	NOT NULL	VARCHAR2(13)
	A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.		
3	VERSION	NOT NULL	NUMBER(2)
	Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.		
4	SEGREGATION_NUMBER	NOT NULL	NUMBER(4)
	A sequential identifier for each instance, with the scale document, of a special forest product being scaled		
5	SCALE_SPECIES_CODE	NULL	VARCHAR2(2)
	A code used to identify a type of tree species		
6	SCALE_PRODUCT_CODE	NULL	VARCHAR2(2)
	A code used to identify a type of timber product		
7	SCALE_GRADE_CODE	NULL	VARCHAR2(1)
	A code used to identify a grade of timber		
8	NET_VOLUME	NOT NULL	NUMBER(15,3)
14	TIMBER_MARK	NULL	VARCHAR2(6)
	Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.		
15	NMV_IND	NOT NULL	VARCHAR2(1)
	A flag indicating that there was no Timber Mark visibly stamped on a special forest product		
16	INPUT_BCOMB_TIMBER_MARK	NULL	VARCHAR2(6)
	An input text string capturing all or partial timber mark identifier on a beachcombed special forest product		
17	INPUT_SPECIES	NULL	VARCHAR2(2)
18	INPUT_PRODUCT	NULL	VARCHAR2(2)
19	INPUT_GRADE	NULL	VARCHAR2(1)
20	ENTRY_USERID	NOT NULL	VARCHAR2(30)
21	ENTRY_TIMESTAMP	NOT NULL	DATE
22	UPDATE_USERID	NULL	VARCHAR2(30)
23	UPDATE_TIMESTAMP	NULL	DATE

Foreign Keys:

SFPTLYDTL_SFPTLY_FK

DETAIL_DOCUMENT_NUMBER = SPECIAL_FOREST_PRODUCT_TALLY.DETAIL_DOCUMENT_NUMBER
VERSION = SPECIAL_FOREST_PRODUCT_TALLY.VERSION

SFPTLYDTL_SSPGXREF_FK

SCALE_SPECIES_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_SPECIES_CODE
SCALE_PRODUCT_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_PRODUCT_CODE
SCALE_GRADE_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_GRADE_CODE

SFPTLYDTL_TM_FK

TIMBER_MARK = TIMBER_MARK.TIMBER_MARK

Indexes:

SFPTLYDTL_SFPTLY_FK_I

DETAIL_DOCUMENT_NUMBER
VERSION

SFPTLYDTL_SSPGXREF_FK_I

SCALE_SPECIES_CODE
SCALE_PRODUCT_CODE
SCALE_GRADE_CODE

SFPTLYDTL_TM_FK_I

TIMBER_MARK

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

Following transformation to the physical model, the primary key column, for this entities corresponding table, should be renamed SegDtl_Ind. This reflects the reduced granularity of a collection of special forest product data.

Table: SFP_TALLY_DETAIL_ERROR*Description:*

Records all errors encountered during edit events.

Records errors encountered during edit events for specific log associated with a detail peice scale special forest product tally scale document

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ERROR_ID	NOT NULL	NUMBER(32)
	Surrogate key for uniquely identifying an error		
2	HBS_EDIT_ERR_MESSAGE_CODE	NOT NULL	VARCHAR2(6)
	A code used to identify an error message that an edit event may generate		
3	HBS_EDIT_ERR_CATEGORY_CODE	NOT NULL	VARCHAR2(3)
	A code used to identify an error category for an edit error		
4	SEGDTL_ID	NOT NULL	NUMBER(32)
5	ERROR_TIMESTAMP	NOT NULL	DATE
	Date and time at which the error message was generated		

Foreign Keys:

SFPTDERR_EEMC_FK

HBS_EDIT_ERR_MESSAGE_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_CATEGORY_CODE

SFPTDERR_SFPTLYDTL_FK

SEGDTL_ID = SFP_TALLY_DETAIL.SEGDTL_ID

Indexes:

SFPTDERR_EEMC_FK_I

HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE

SFPTDERR_SFPTLYDTL_FK_I

SEGDTL_ID

Notes:

Following transformation to the physical model, rename the foreign key column LOGDTL_ID to SEGDTL_ID to reflect the corresponding change to the parent table

Table: SFP_TALLY_ERROR*Description:*

Records all errors encountered during edit events.

Records errors encountered during edit events for detail peice scaled special forest product log tally scale documents

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ERROR_ID	NOT NULL	NUMBER(32)
	Surrogate key for uniquely identifying an error		
2	HBS_EDIT_ERR_MESSAGE_CODE	NOT NULL	VARCHAR2(6)
	A code used to identify an error message that an edit event may generate		
3	HBS_EDIT_ERR_CATEGORY_CODE	NOT NULL	VARCHAR2(3)
	A code used to identify an error category for an edit error		
4	VERSION	NOT NULL	NUMBER(2)
	Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.		
5	DETAIL_DOCUMENT_NUMBER	NOT NULL	VARCHAR2(13)
	A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.		
6	ERROR_TIMESTAMP	NOT NULL	DATE
	Date and time at which the error message was generated		

Foreign Keys:

SFPTLYERR_EEMC_FK

HBS_EDIT_ERR_MESSAGE_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_CATEGORY_CODE

SFPTLYERR_SFPTLY_FK

DETAIL_DOCUMENT_NUMBER = SPECIAL_FOREST_PRODUCT_TALLY.DETAIL_DOCUMENT_NUMBER

VERSION = SPECIAL_FOREST_PRODUCT_TALLY.VERSION

Indexes:

SFPTLYERR_EEMC_FK_I

HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE

SFPTLYERR_SFPTLY_FK_I

DETAIL_DOCUMENT_NUMBER

VERSION

Table: SFP_TALLY_TXN**Description:**

Captures derived detail scale document data generated during the processing of a detail scale document version
 Captures derived detail scale document data generated during the processing of a detail scale document version for billable detail document types
 A subtype of Detail Scale Document Version Txn...
 A record of processing a transaction applied against a special forest product detail scale document version.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DTL_TXN_ID A generated unique identifier for the a detail scale return transaction	NOT NULL	NUMBER(32)
2	HBS_TXN_STATUS_CODE A code used to describe the current state of a summary scale return transaction	NOT NULL	VARCHAR2(3)
3	HBS_TXN_TYPE_CODE A code used to identify the type of transaction generated for a summary scale return version	NOT NULL	VARCHAR2(3)
4	INTEREST_REVERSAL_IND Indicates that a detail transaction will require interest reversal processing (Only applies to cancellations)	NULL	VARCHAR2(1)
5	DOCUMENT_CONTROL_NUMBER	NOT NULL	NUMBER(10)
6	SUMMARY_DOCUMENT_VERSION	NOT NULL	NUMBER(10)
7	DETAIL_DOCUMENT_NUMBER A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.	NOT NULL	VARCHAR2(13)
8	DETAIL_DOCUMENT_VERSION Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.	NOT NULL	NUMBER(2)
9	DTL_TXN_ID_CANCELLED_BY A generated unique identifier for the a detail scale return transaction	NULL	NUMBER(32)
10	EVENT_SEQUENCE This is the sequence, repeating for each summary scale return version, that identifies the sequence of events for which transactions have been applied to a summary scale return version. e.g, transaction sequences for a return can be... 1 original 2 cancelled 3 replaced (this is the case where the return is cancelled and replaced at a later date resulting from 3 seperate user requests or cancelled and replaced with changes resulting from a single user request) or 1 original 2 cancelled 2 replaced (this is the case where the return is cancelled and replaced without changes resulting from a single user request)	NOT NULL	NUMBER(1)
11	DEBIT_CREDIT_TYPE Indicates if a transaction results in a debit (+) or credit (-) movement	NOT NULL	VARCHAR2(2)
12	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
13	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
14	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
15	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

SFPTLTXXN_HBSTSC_FK

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

HBS_TXN_STATUS_CODE = HBS_TXN_STATUS_CODE.HBS_TXN_STATUS_CODE
SFPTLTXXN_HBSTTC_FK
HBS_TXN_TYPE_CODE = HBS_TXN_TYPE_CODE.HBS_TXN_TYPE_CODE
SFPTLTXXN_PSSMRY_FK
DOCUMENT_CONTROL_NUMBER = PIECE_SCALE_SUMMARY.DOCUMENT_CONTROL_NUMBER
SUMMARY_DOCUMENT_VERSION = PIECE_SCALE_SUMMARY.VERSION
SFPTLTXXN_SFPTLY_FK
DETAIL_DOCUMENT_NUMBER = SPECIAL_FOREST_PRODUCT_TALLY.DETAIL_DOCUMENT_NUMBER
DETAIL_DOCUMENT_VERSION = SPECIAL_FOREST_PRODUCT_TALLY.VERSION
SFPTLTXXN_SFPTT_FK
DTL_TXN_ID_CANCELLED_BY = SFP_TALLY_TXN.DTL_TXN_ID

Indexes:

SFPTLTXXN_HBSTSC_FK_I
HBS_TXN_STATUS_CODE
SFPTLTXXN_HBSTTC_FK_I
HBS_TXN_TYPE_CODE
SFPTLTXXN_PSSMRY_FK
DOCUMENT_CONTROL_NUMBER
SUMMARY_DOCUMENT_VERSION
SFPTLTXXN_SFPTLY_FK_I
DETAIL_DOCUMENT_NUMBER
DETAIL_DOCUMENT_VERSION
SFPTLTXXN_SFPTT_FK_I
DTL_TXN_ID_CANCELLED_BY

Table: SFP_TALLY_TXN_SEG**Description:**

Captures derived data being applied to detail scale document transaction segregations
 A summarization of the volume for all logs of the same segregation for a specail forest product detail scale return document version transaction.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DTL_TXN_SEG_ID A unique identifier (surrogate) for a transaction segregation record	NOT NULL	NUMBER(32)
2	SCALE_SPECIES_CODE A code used to identify a type of tree species	NOT NULL	VARCHAR2(2)
3	SCALE_PRODUCT_CODE A code used to identify a type of timber product	NOT NULL	VARCHAR2(2)
4	SCALE_GRADE_CODE A code used to identify a grade of timber	NOT NULL	VARCHAR2(1)
5	RATE The rate, in dollars, that a segregation was billed at	NULL	NUMBER(6,2)
6	RATE_SOURCE Identifies the source of the rate with regard to the 'logic' path taken, and decisions made, by the price lookup function in obtaining or determining an appropriate rate.	NULL	VARCHAR2(40)
7	DTL_TXN_ID A generated unique identifier for the a detail scale return transaction	NOT NULL	NUMBER(32)
8	TXN_SEG_ID	NULL	NUMBER(32)
9	PRORATED_VOLUME The prorated volume of the whole summarized bill that can be attributed to a segregation from a specific load that comprised the summary transaction	NOT NULL	NUMBER(15,3)
10	PRORATED_VALUE The prorated value of the whole summarized bill that can be attributed to a segregation from a specific load that comprised the summary transaction	NOT NULL	NUMBER(15,2)
11	RESERVE_STMPG_RATE_COMPONENT The portion of the segregation rate attributed to the reserve stumpage rate component	NULL	NUMBER(6,2)
11	SILV_LEVY_RATE_COMPONENT The portion of the segregation rate attributed to the silviculture levy rate component	NULL	NUMBER(6,2)
12	BONUS_BID_RATE_COMPONENT The portion of the segregation rate attributed to the bonus bid rate component	NULL	NUMBER(6,2)
13	DEV_LEVY_RATE_COMPONENT The portion of the segregation rate attributed to the development levy rate component	NULL	NUMBER(6,2)
15	RESERVE_STMPG_AMOUNT_COMPONENT The portion of the segregation value amount attributed to the reserve stumpage rate component	NULL	NUMBER(15,2)
16	BONUS_BID_AMOUNT_COMPONENT The portion of the segregation value amount attributed to the bonus bid rate component	NULL	NUMBER(15,2)
17	DEV_LEVY_AMOUNT_COMPONENT The portion of the segregation value amount attributed to the development levy rate component	NULL	NUMBER(15,2)
18	SILV_LEVY_AMOUNT_COMPONENT The portion of the segregation value amount attributed to the silviculture levy rate component	NULL	NUMBER(15,2)
19	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
20	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
21	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
22	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

SFPTXNSEG_PXSSEG_FK
 TXN_SEG_ID = PIECE_SCL_TXN_SEGREGATION.TXN_SEG_ID
 SFPTXNSEG_SFPTT_FK
 DTL_TXN_ID = SFP_TALLY_TXN.DTL_TXN_ID
 SFPTXNSEG_SSPGXREF_FK

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

SCALE_SPECIES_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_SPECIES_CODE
SCALE_PRODUCT_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_PRODUCT_CODE
SCALE_GRADE_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_GRADE_CODE

Indexes:

SFPTXNSEG_PSXSEG_FK_I
TXN_SEG_ID
SFPTXNSEG_SFPTT_FK_I
DTL_TXN_ID
SFPTXNSEG_SSPGXREF_FK_I
SCALE_SPECIES_CODE
SCALE_PRODUCT_CODE
SCALE_GRADE_CODE

Table: SPECIAL_FOREST_PRODUCT_TALLY**Description:**

Captures source data for a version of a detail level scale document or ledger item

This entity captures all attributes common to all scale document types except for departure ledgers

This entity captures all attributes common to all scale document types except that are eligible for being summarized for statement processing.

A super-type for piece scaled detail scale documents that have common relationships and/or attributes

A subtype of Piece Scaled Log Tally...

Captures source data for a version of a special forest product log tally detail scale document

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DETAIL_DOCUMENT_NUMBER A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.	NOT NULL	VARCHAR2(13)
* 2	VERSION Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.	NOT NULL	NUMBER(2)
3	BATDOC_ID Surrogate key for uniquely identifying a document from a detail scale document batch	NULL	NUMBER(32)
4	SCL_RTN_VERSION_STATE_CODE A code used to describe the current state of a summary scale return version	NOT NULL	VARCHAR2(3)
5	SCALE_EVENT_TYPE_CODE A code used to identify the type of a scale event associated with a detail scale document	NOT NULL	VARCHAR2(2)
6	HBS_SFP_SCALE_TYPE_CODE A code used to identify a method scaling special forest products	NOT NULL	VARCHAR2(1)
7	SCALE_DATE The date (and time for weigh slips) upon which a load of timber was scaled	NOT NULL	DATE
8	SCALE_SITE_ID_NMBR An alphanumeric code used to uniquely identify a scale site.	NULL	VARCHAR2(4)
9	CUT_BLOCK_ID Identifies the cut block where the timber scaled on a detail scale return was harvested. <i>This data item cannot be validated with RI at this time as there is no standard set Cut blocks currently in use by both Industry and the Ministry</i>	NULL	VARCHAR2(10)
10	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NULL	VARCHAR2(6)
11	TIMBER_BRAND This describes the source of a load of lumber as the combination of scale site and district code. This attribute is only used for the following scale events: WSR 4R (Weigh Slip SB4 Rescale) POT 4R (Other Tallies SB4 Rescale)	NULL	VARCHAR2(7)
12	PRIMARY_QUANT_LIC_TYPE_CD A code that indicates the type of license for the scaler responsible for the scale data recorded on a scale return. For example, a type may be: Scaling license, Cruise license, or Residue Survey license. <i>This data item is no longer required as a result of the SCS rewrite, and the retirement of the QUANT LICNECE table</i>	NULL	VARCHAR2(1)
13	PRIMARY_LICENSE_NUMBER A number used to uniquely identify each scaler who is registered with the Ministry.	NULL	VARCHAR2(4)
14	SECONDARY_QUANT_LIC_TYPE_CD A code that indicates the type of license for a scaler who assisted in collecting scale data for a scale return. For example, a type may be: Scaling license, Cruise license, or Residue Survey license. <i>This data item is no longer required as a result of the SCS rewrite, and the retirement of the QUANT LICNECE table</i>	NULL	VARCHAR2(1)
15	SECONDARY_LICENSE_NUMBER A number used to uniquely identify each scaler who is registered with the Ministry.	NULL	VARCHAR2(4)
16	SIGNING_QUANT_LIC_TYPE_CD A code that indicates the type of license for the scaler who provided the digital signature for a scale return. For example, a type may be: Scaling license, Cruise license, or Residue Survey license.	NULL	VARCHAR2(1)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	<i>This data item is no longer required as a result of the SCS rewrite, and the retirement of the QUANT LICNECE table</i>		
17	SIGNING_LICENSE_NUMBER	NULL	VARCHAR2(4)
	A number used to uniquely identify each scaler who is registered with the Ministry.		
18	RETURN_NUMBER	NOT NULL	NUMBER(4)
	A unique number (in conjunction with the scaler's licence number and date), and is assigned to a parcel of timber by a scaler. The scaler assigns #0001 to the first parcel scaled each year and continues consecutively through to 9999. If the scaler scales more than 9999 parcels of timber in a year they then restart with 0001. The dates will then determine the uniqueness of the number.		
19	SEGREGATION_COUNT	NOT NULL	NUMBER(4)
	The number of segregations scaled on the special forest product tally detail scale document		
20	NET_VOLUME	NULL	NUMBER(7,3)
	The net volume of the timber recorded on this document		
21	PARCEL_COUNT	NULL	NUMBER(1)
	The number of parcels that a single load of logs was divided into.		
22	PARCEL_IDENTIFIER	NULL	NUMBER(1)
	A sequential count of parcels within a parcel identifier (i.e. 1 of x, 2 of x, etc...)		
23	VOLUME_CALC_METHOD_TYPE	NULL	VARCHAR2(1)
	Identifies the scale document as having calculated the volume on a 'Gross' or 'Net' basis.		
24	ORIG_CHK_SCL_QUANT_LIC_TYPE_CD	NULL	VARCHAR2(1)
	A code that indicates the type of license for the scaler responsible for the original scale return being check scaled. For example, a type may be: Scaling license, Cruise license, or Residue Survey license.		
	<i>This data item is no longer required as a result of the SCS rewrite, and the retirement of the QUANT LICNECE table</i>		
25	ORIGINAL_DDN	NULL	VARCHAR2(13)
	A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.		
26	ORIGINAL_DDV	NULL	NUMBER(2)
	Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.		
27	ORIGINAL_VERSION_IND	NOT NULL	VARCHAR2(1)
	Indicates that the version was the original version received by HBS		
	<i>A scale return's version may be prior to the version identified as the original</i>		
28	ORIG_CHK_SCL_LICENSE_NUMBER	NULL	VARCHAR2(4)
	A number used to uniquely identify each scaler who is registered with the Ministry.		
28	ORIG_CHK_SCL_RETURN_NUMBER	NULL	VARCHAR2(4)
	The original scaler's return number from the detail scale document being check scaled.		
	<i>This column should be changed from Varchar2 to Number</i>		
30	VALID_SIGNATURE_IND	NOT NULL	VARCHAR2(1)
	A flag indicating if the detail scale document was assigned a valid digital signature.		
31	ACTIVE_VERSION_IND	NOT NULL	VARCHAR2(1)
	Indicates that a version is the active version of interest to application processes		
32	BEACHCOMB_IND	NULL	VARCHAR2(1)
	An indicator identifying a log tally as being scaled for a beachcomb salvage operation.		
33	CHECK_REPLACES_ORIGINAL_IND	NULL	VARCHAR2(1)
	Identifies the piece scaled detail scale document as having been replaced by a check scale detail scale document		
34	FIELD_SCALE_DECK_ID	NULL	VARCHAR2(1)
	Identifies a deck of timber (i.e. pile of logs) being field scaled (i.e. volume estimate)		
35	FIELD_SCALE_IND	NULL	VARCHAR2(1)
	Flags the scale return as having been previously billed on a field scale.		
36	TRANSPORT_IDENTIFIER	NULL	VARCHAR2(16)
	Identifies the transport mechanism that delivered the load of logs to a scale site		
	e.g.		
	Truck - license plate		
	Boom - boom number		

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	etc...		
37	INCOMING_LDS_NUMBER The load description slip identifier captured from the load description slip document that accompanied a load of timber upon arrival at a scale site.	NULL	VARCHAR2(10)
38	LOAD_ARRIVAL_NUMBER A sequential number assigned to a load as it arrives at a scale site.	NULL	VARCHAR2(10)
39	SFP_TALLY_COMMENT A free form text attribute for capturing additional information about a detail scale return	NULL	VARCHAR2(240)
40	ENCRYPTED_AUTH_KEY A character string generated scaling software to uniquely identify a detail scale document as having been created by a specific scaler. <i>The encrypted authorization key, or digital signature is generated from the scaler's authentication key</i>	NULL	NUMBER(10)
41	HASH_TOTAL A number generated, by the submitting scale document application, by an algorithm applied to every character of required data in a detail scale document. <i>The hashtotal alogrithm can be reapplied to the detailed scale document upon receipt, the resulting value can be compared to the original 'hash total' value to ensure that the document has not been altered.</i>	NULL	NUMBER(10)
42	DTL_DOC_SEQ Tracks the sequence that the document version was inserted <i>This is a physical attribute for the purposes of implementing anomaly processing</i>	NOT NULL	NUMBER(32)
43	INPUT_CUT_BLOCK_ID	NULL	VARCHAR2(10)
44	INPUT_ORIGINAL_DDN An input text field used to identify the document control number of a related check scaled document	NULL	VARCHAR2(13)
45	INPUT_ORIGINAL_DDV An input number field used to identify the version of a related check scaled document	NULL	NUMBER(2)
46	INPUT_SCALE_SITE An text string in the scale dcoument used to identify the scale site at which a load of timber was scaled. <i>This input field requires validation before it can be copied to the scale documents 'scale site' foreign key field</i>	NULL	VARCHAR2(4)
47	INPUT_SOURCE Identifies the source of the timber scaled on a detail scale return as either a Timber Mark or a Timber Brand, depending on the scale return 'scale event type code'. The Input source represents a Timber Mark for the following scale events: - Weigh Slip Primary scale Sample scale Remote scale Primary departure Red Tag Remote red tag - Piece Scaled Log Tally Primary scale From site deck Red Tag Remote red tag Piece Check Scale Sample scale Remote sample scale Sample check scale - Site ledger (Arrival) Primary scale To site deck From site deck Remote sample scale Remote red tag - Site ledger (Departure) n/a	NULL	VARCHAR2(7)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	The Input source represents a Timber Brand for the following scale events: - Weigh Slip SB4 rescale - Piece Scaled Log Tally SB4 rescale - Site ledger (Arrival) Scaled Before SB4 rescale - Site ledger (Departure) n/a <i>This attribute is used to capture information that may not permit referential integrity to be resolved for the Timber Mark relationship where required based on the scale event type.</i>		
48	INPUT_PRIMARY_SCALER_LIC	NULL	VARCHAR2(4)
	A "scaler licence" supplied on the source document, identifying the primary scaler responsible for recording a scaling event. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "scaler licence" relationship</i>		
49	INPUT_SECONDARY_SCALER_LIC	NULL	VARCHAR2(4)
	A "scaler licence" supplied on the source document, identifying a secondary scaler who may have participated in the recording of a scaling event. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "scaler licence" relationship</i>		
50	INPUT_SIGNING_SCALER_LIC	NULL	VARCHAR2(4)
	A "scaler licence" supplied on the source document, indicating which scaler, primary or secondary, 'signed' the scale document. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "scaler licence" relationship</i>		
51	INPUT_ORIG_CHK_SCL_SCALER_LIC	NULL	VARCHAR2(4)
	The scaler's licence number from the detail scale document being check scaled, as input. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "original scaler licence" relationship</i>		
52	ENTRY_USERID	NOT NULL	VARCHAR2(30)
	The USERID of the individual who entered the information.		
53	ENTRY_TIMESTAMP	NOT NULL	DATE
	The date and time on which the record was created.		
54	UPDATE_USERID	NULL	VARCHAR2(30)
	The USERID of the individual who last updated the information.		
55	UPDATE_TIMESTAMP	NULL	DATE
	The date and time the record was last modified.		

Foreign Keys:

CHECKING_A_SCALE_ORIGINALLY_FK
 ORIG_CHK_SCL_LICENSE_NUMBER = SCALER.SCALER_LICENCE_NO

SFPTLY_BATDOC_FK
 BATDOC_ID = DTL_DOC_BATCH_DOCUMENT.BATDOC_ID

SFPTLY_DTLSCLDOC_FK
 DETAIL_DOCUMENT_NUMBER = DETAIL_SCALE_DOCUMENT.DETAIL_DOCUMENT_NUMBER

SFPTLY_SCA_ALSO_SCALED_BY_FK
 SECONDARY_LICENSE_NUMBER = SCALER.SCALER_LICENCE_NO

SFPTLY_SCA_FK
 PRIMARY_LICENSE_NUMBER = SCALER.SCALER_LICENCE_NO

SFPTLY_SCA_SIGNED_BY_FK
 SIGNING_LICENSE_NUMBER = SCALER.SCALER_LICENCE_NO

SFPTLY_SETC_FK
 SCALE_EVENT_TYPE_CODE = SCALE_EVENT_TYPE_CODE.SCALE_EVENT_TYPE_CODE

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

SFPTLY_SFPTLY_FK
 ORIGINAL_DDN = SPECIAL_FOREST_PRODUCT_TALLY.DETAIL_DOCUMENT_NUMBER
 ORIGINAL_DDV = SPECIAL_FOREST_PRODUCT_TALLY.VERSION
 SFPTLY_SFPTYP_FK
 HBS_SFP_SCALE_TYPE_CODE = HBS_SFP_SCALE_TYPE_CODE.HBS_SFP_SCALE_TYPE_CODE
 SFPTLY_SRVERSTATE_FK
 SCL_RTN_VERSION_STATE_CODE = SCL_RTN_VERSION_STATE_CODE.SCL_RTN_VERSION_STATE_CODE
 SFPTLY_SS_FK
 SCALE_SITE_ID_NMBR = SCALE_SITE.SCALE_SITE_ID_NMBR
 SFPTLY_TM_FK
 TIMBER_MARK = TIMBER_MARK.TIMBER_MARK

Indexes:

CHECKING_A_SCALE_ORIGINALLY__2
 ORIG_CHK_SCL_LICENSE_NUMBER
 SFPTLY_BATDOC_FK_I
 BATDOC_ID
 SFPTLY_DTLSCLDOC_FK_I
 DETAIL_DOCUMENT_NUMBER
 SFPTLY_SCA_ALSO_SCALED_BY_FK_I
 SECONDARY_LICENSE_NUMBER
 SFPTLY_SCA_FK_I
 PRIMARY_LICENSE_NUMBER
 SFPTLY_SCA_SIGNED_BY_FK_I
 SIGNING_LICENSE_NUMBER
 SFPTLY_SETC_FK_I
 SCALE_EVENT_TYPE_CODE
 SFPTLY_SFPTLY_FK_I
 ORIGINAL_DDN
 ORIGINAL_DDV
 SFPTLY_SFPTYP_FK_I
 HBS_SFP_SCALE_TYPE_CODE
 SFPTLY_SRVERSTATE_FK_I
 SCL_RTN_VERSION_STATE_CODE
 SFPTLY_SS_FK_I
 SCALE_SITE_ID_NMBR
 SFPTLY_TM_FK_I
 TIMBER_MARK

Table: SPECIES_PRODUCT_GRADE_XREF*Description:*

A table of valid species product grade combinations.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SCALE_GRADE_CODE A code used to identify a grade of timber	NOT NULL	VARCHAR2(1)
* 2	SCALE_SPECIES_CODE A code used to identify a type of tree species	NOT NULL	VARCHAR2(2)
* 3	SCALE_PRODUCT_CODE A code used to identify a type of timber product	NOT NULL	VARCHAR2(2)
4	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
5	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
6	UPDATE_TIMESTAMP The date and time the record was last modified.	NOT NULL	DATE

Foreign Keys:

SSPGXREF_SGCT_FK
SCALE_GRADE_CODE = SCALE_GRADE_CODE.SCALE_GRADE_CODE

SSPGXREF_SPCT_FK
SCALE_PRODUCT_CODE = SCALE_PRODUCT_CODE.SCALE_PRODUCT_CODE

SSPGXREF_SSC_FK
SCALE_SPECIES_CODE = SCALE_SPECIES_CODE.SCALE_SPECIES_CODE

Indexes:

SSPGXREF_SGCT_FK_I
SCALE_GRADE_CODE

SSPGXREF_SPCT_FK_I
SCALE_PRODUCT_CODE

SSPGXREF_SSC_FK_I
SCALE_SPECIES_CODE

Table: STAND_RATE_ELIGIBILITY**Description:**

Used to determine stand rated eligibility, for rating purposes, for species/grade combinations

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SCALE_SPECIES_CODE A code used to identify a type of tree species	NOT NULL	VARCHAR2(2)
* 2	SCALE_PRODUCT_CODE A code used to identify a type of timber product	NOT NULL	VARCHAR2(2)
* 3	SCALE_GRADE_CODE A code used to identify a grade of timber	NOT NULL	VARCHAR2(1)
* 4	STAND_RATE_ELIGIBILITY_CODE A code defining the level of stand rate eligibility for a segregation	NOT NULL	VARCHAR2(1)
	<i>code desc effective expiry notes</i>		

	A All Logs 2009-07-01 2999-12-31 Not effective till policy implementation.		
	N Not Eligible 1989-01-01 2999-12-31 Effective retroactively to support old policy.		
	S Saw Logs 1989-01-01 2999-12-31 Effective retroactively to support old policy.		
* 5	EFFECTIVE_DATE The date at which a stand rate eligibility entry becomes effective and available for use	NOT NULL	DATE
6	EXPIRY_DATE The date at which a stand rate eligibility entry expires and is no longer effective or available for use	NOT NULL	DATE
7	UPDATE_TIMESTAMP The date and time of the last update to a stand rate eligibility entry (includes the insert date)	NOT NULL	DATE

Foreign Keys:

STRAEL_SREC_FK
STAND_RATE_ELIGIBILITY_CODE = STAND_RATE_ELIGIBILITY_CODE.STAND_RATE_ELIGIBILITY_CODE

STRAEL_SSPGXREF_FK
SCALE_SPECIES_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_SPECIES_CODE
SCALE_PRODUCT_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_PRODUCT_CODE
SCALE_GRADE_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_GRADE_CODE

Indexes:

STRAEL_SREC_FK_I
STAND_RATE_ELIGIBILITY_CODE

STRAEL_SSPGXREF_FK_I
SCALE_SPECIES_CODE
SCALE_PRODUCT_CODE
SCALE_GRADE_CODE

Table: STAND_RATE_ELIGIBILITY_CODE**Description:**

Provides a valid list of codes used to define the level of stand rate eligibility for a segregation.

e.g.

A - All Logs

S - Saw Logs

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STAND_RATE_ELIGIBILITY_CODE A code defining the level of stand rate eligibility for a segregation <i>code desc effective expiry notes</i> -----	NOT NULL	VARCHAR2(1)
	A All Logs 2009-07-01 2999-12-31 Not effective till policy implementation.		
	N Not Eligible 1989-01-01 2999-12-31 Effective retroactively to support old policy.		
	S Saw Logs 1989-01-01 2999-12-31 Effective retroactively to support old policy.		
2	DESCRIPTION Descriptive text describing a Stand Rate Eligibility code value	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date a stand rate eligibility code became effective	NOT NULL	DATE
4	EXPIRY_DATE The date a stand rate eligibility code expires	NOT NULL	DATE
5	UPDATE_TIMESTAMP A timestamp recording the data and time of any changes to a stand rate eligibility code value	NOT NULL	DATE

Table: STRATUM*Description:*

Units of a population with similar characteristic (i.e. a group of trees with similar volume-mass ration) are grouped together in groupings called strata (stratum in the singular)

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	POPULATION_NUMBER A number uniquely identifying a population	NOT NULL	VARCHAR2(4)
* 2	SAMPLING_YEAR Describes a period within which loads of timber are attributed to a particular stratum within a population <i>This column is specified as Number (5) due to the use of legacy tables during the original implementation of HBS Phase 1</i>	NOT NULL	NUMBER(5)
* 3	STRATUM_NUMBER A unique identifier for a stratum within a population/sampling year	NOT NULL	VARCHAR2(2)
4	STRATUM_PLAN_ID A surrogate key uniquely identifying a plan for a stratum	NOT NULL	NUMBER(32)
5	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NOT NULL	VARCHAR2(8)
6	CLIENT_LOCN_CODE A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NOT NULL	VARCHAR2(2)
7	STRATUM_NAME A descriptive name given to a stratum, often describes the composition of the timber found within a stratum	NOT NULL	VARCHAR2(20)
8	TOTAL_TRANSACTIONS a count of sample scale transactions attributed to the stratum	NOT NULL	NUMBER(5)
9	SAMPLE_LOADS A count of loads that have been sampled for this sample	NOT NULL	NUMBER(5)
10	BILLED_LOADS a count of weigh scale loads that have been billed against a stratum	NOT NULL	NUMBER(5)
11	SAMPLING_FREQUENCY Describes the frequency at which loads are to be sampled (i.e 1 load in x, where x is the sampling frequency)	NOT NULL	NUMBER
12	SAMPLE_LOAD_SIZE The average size of a sampled load	NOT NULL	NUMBER(7,3)
13	SAMPLE_STANDARD_DEVIATION An estimated measure of how many ratios within a stratum vary from sample load to sample load (volume in cubic meters to 3 decimal places).	NOT NULL	NUMBER(6,2)
14	SAMPLE_VOLUME The total volume of loads sampled for a stratum	NOT NULL	NUMBER(10,3)
15	BILLED_VOLUME The total volume of weigh scaled loads billed against a stratum	NOT NULL	NUMBER(10,3)
16	SAMPLE_WEIGHT The total weight of all loads sampled for a stratum	NOT NULL	NUMBER(12)
17	AVERAGE_SAMPLE_WEIGHT The average weight of the sampled loads for a stratum	NOT NULL	NUMBER(12)
18	BILLED_WEIGHT The total weight of all weigh scaled loads billed against a stratum	NOT NULL	NUMBER(12)
19	AVERAGE_TOTAL_WEIGHT The average total weight of a weight scaled loads scaled for a stratum	NOT NULL	NUMBER(12)
20	RATIO The total weight to volume ratio for a stratum	NOT NULL	NUMBER(6,5)
21	STRATUM_VARIANCE The variance (square of the standard deviation) of the stratum total volume	NOT NULL	NUMBER
22	DEGREES_OF_FREEDOM A statistical constraint (function of the number of samples and the number of loads)	NOT NULL	NUMBER(5)
23	PRECISION The precision of the stratum total volume as a percentage (e.g. within plus or minus n.nn%)	NOT NULL	NUMBER(5,2)
24	GRADE_SCHEDULE_CODE A code identifying a grade schedule	NOT NULL	VARCHAR2(1)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	e.g. C - Coast I - Interior		
25	SCALE_PRODUCT_CODE	NOT NULL	VARCHAR2(2)
26	RATIO_STATEMENT_NUMBER	NULL	VARCHAR2(7)
	A unique identifier generated for each statement. To accomodate downstream systems the statement identifier will conform to the current format supported by HDBS (i.e. 7 character alphanumeric).		
	To ensure a sufficient number of unique statement identifiers, given the aforementioned constraint, the following scheme will be implemented to identify the various types of documents		
	Statement type	pos 1	pos 2
	-----+-----+-----+-----+-----+-----+-----		
	Piece Scale Invoices	Q, R, or S	0-9, A-Z
	Weight Scale Invoices	X, Y, or Z	0-9, A-Z
	Piece Scale Vol Stmt	L, M, or N	0-9, A-Z
	Weight ScaleVol Stmt	T, U, or V	0-9, A-Z
	Compiled Sample Stmt	B, C, or D	0-9, A-Z
	Ratio Stmt	F, G, or H	0-9, A-Z
27	EFFECTIVE_DATE		
	The date the code becomes effective.		
28	EXPIRY_DATE		
	The date after which the code is no longer available for use.		
29	ENTRY_USERID		
30	ENTRY_TIMESTAMP		
31	UPDATE_USERID		
32	UPDATE_TIMESTAMP		

Foreign Keys:

STRATUM_CL_FK
 CLIENT_NUMBER = CLIENT_LOCATION.CLIENT_NUMBER
 CLIENT_LOCN_CODE = CLIENT_LOCATION.CLIENT_LOCN_CODE
 STRATUM_GSC_FK
 GRADE_SCHEDULE_CODE = GRADE_SCHEDULE_CODE.GRADE_SCHEDULE_CODE
 STRATUM_POP_FK
 POPULATION_NUMBER = POPULATION.POPULATION_NUMBER
 SAMPLING_YEAR = POPULATION.SAMPLING_YEAR
 STRATUM_RATIOSTMT_FK
 RATIO_STATEMENT_NUMBER = HBS_RATIO_STATEMENT.STATEMENT_NUMBER
 STRATUM_SPC_FK
 SCALE_PRODUCT_CODE = SCALE_PRODUCT_CODE.SCALE_PRODUCT_CODE
 STRATUM_STRATPLAN_FK
 STRATUM_PLAN_ID = STRATUM_PLAN.STRATUM_PLAN_ID

Indexes:

STRATUM_CL_FK_I
 CLIENT_NUMBER
 CLIENT_LOCN_CODE
 STRATUM_GSC_FK_I
 GRADE_SCHEDULE_CODE
 STRATUM_POP_FK_I
 POPULATION_NUMBER
 SAMPLING_YEAR
 STRATUM_RATIOSTMT_FK_I
 RATIO_STATEMENT_NUMBER
 STRATUM_STRATPLAN_FK_I
 STRATUM_PLAN_ID

Table: STRATUM_GRADE_STATS**Description:**

A supertype, providing common attributes, for the various statistics calculated for a stratum
 Current calculated statistics recorded at the grade level for a stratum

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	POPULATION_NUMBER A number uniquely identifying a population	NOT NULL	VARCHAR2(4)
* 2	STRATUM_NUMBER A unique identifier for a stratum within a population/sampling year	NOT NULL	VARCHAR2(2)
* 3	SAMPLING_YEAR Describes a period within which loads of timber are attributed to a particular stratum within a population <i>This column is specified as Number (5) due to the use of legacy tables during the original implementation of HBS Phase 1</i>	NOT NULL	NUMBER(5)
* 4	SCALE_GRADE_CODE A code used to identify a grade of timber	NOT NULL	VARCHAR2(1)
5	SAMPLE_LOADS The number of loads sampled, at the various levels of stats calculations being captured by this entity's subtypes. eg. the number of loads sampled in a population that contained a specific grade the number of loads sampled in a stratum that contained a specific segregation etc...	NULL	NUMBER(5)
6	SAMPLE_VOLUME The total volume sampled, at the various levels of stats calculations being captured by this entity's subtypes. eg. the total volume sampled for a specific grade within a population the total volume sampled for a specific segregation within a stratum etc...	NULL	NUMBER(15,3)
7	VOLUME_FRACTION The volume fraction (%), at the various levels of stats calculations being captured by this entity's subtypes. eg. the volume fraction for a specific species for all sample loads within a population the volume fraction for a specific segregation for all sample loads within a population etc...	NULL	NUMBER(5,2)
8	RATIO The ratio (m3/tonne), at the various levels of stats calculations being captured by this entity's subtypes. eg. the ratio for a specific species for all sample loads within a population the ratio for a specific segregation for all sample loads within a population etc...	NULL	NUMBER(6,5)
9	BILLED_VOLUME The volume billed (m3), at the various levels of stats calculations being captured by this entity's subtypes. eg. the volume estimate for a specific species for all billed loads within a population the volume estimate for a specific segregation for all billed loads within a population etc...	NULL	NUMBER(15,3)
10	VARIANCE The variance (square of the standard deviation) of the total volume at the various levels of stats calculations being captured by this entity's subtypes. eg. the variance of the volume estimate of a species in all billed loads for a population the variance of the volume estimate of a segregation in all billed loads for a population	NULL	NUMBER

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	etc...		
	<i>refer to Appendix 9 of the scaling manual for detailed information about this data item</i>		
11	PRECISION	NULL	NUMBER(5,2)
	The precision of the population total volume as a percentage (e.g. within plus or minus n.nn%), at the various levels of stats calculations being captured by this entity's subtypes.		
	eg.		
	the precision of the volume estimate of a species in all billed loads for a population		
	the precision of the volume estimate of a segregation in all billed loads for a population		
	etc...		
	<i>refer to Appendix 9 of the scaling manual for detailed information about this data item</i>		

Foreign Keys:

STRGRDSTAT_SGCT_FK
 SCALE_GRADE_CODE = SCALE_GRADE_CODE.SCALE_GRADE_CODE
 STRGRDSTAT_STRATUM_FK
 POPULATION_NUMBER = STRATUM.POPULATION_NUMBER
 SAMPLING_YEAR = STRATUM.SAMPLING_YEAR
 STRATUM_NUMBER = STRATUM.STRATUM_NUMBER

Indexes:

STRGRDSTAT_SGCT_FK_I
 SCALE_GRADE_CODE
 STRGRDSTAT_STRATUM_FK_I
 POPULATION_NUMBER
 SAMPLING_YEAR
 STRATUM_NUMBER

Table: STRATUM_PLAN*Description:*

This entity records a sample plan administrators attempts (or "what if" scenarios) to create an acceptable sampling plan. All attempts to create a plan are captured, only one will be accepted and be used as the basis for a 'stratum'

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	STRATUM_PLAN_ID A surrogate key uniquely identifying a plan for a stratum	NOT NULL	NUMBER(32)
2	PLAN_ID A surrogate key uniquely identifying a sample plan	NOT NULL	NUMBER(32)
3	STRATUM_NUMBER A number identifying a stratum with a population for a sampling year	NOT NULL	VARCHAR2(2)
4	STRATUM_NAME A unique name assigned to the stratum usually describing stratum makeup	NOT NULL	VARCHAR2(20)
5	SAMPLE_COUNT_CONSTRAINT This attribute captures the stratum frequency constraint required to to achieve a greater/lesser precision level for a stratum plan.	NOT NULL	NUMBER(6)
	This attribute value is controlled by the user when the Population_Plan.Current_Constraint_Type is Frequency.		
	When the Population_Plan.Current_Constraint_Type is Precision then this attributes value becomes a function of the precision constraint entered by the user.		
	<i>refer to Appendix 9 of the scaling manual for detailed information about this data item</i>		
6	PRECISION_CONSTRAINT This attribute captures the stratum precision constraint required to to achieve a greater/lesser number of samples in a stratum plan.	NOT NULL	NUMBER(5,2)
	This attribute value is controlled by the user when the Population_Plan.Current_Constraint_Type is Precision.		
	When the Population_Plan.Current_Constraint_Type is Frequency then this attributes value becomes a function of the frequency constraint entered by the user.		
	<i>refer to Appendix 9 of the scaling manual for detailed information about this data item</i>		
7	ESTIMATED_VOLUME The estimated total volume for a stratum	NOT NULL	NUMBER(15,3)
8	ESTIMATED_LOADS Estimated number of loads for a stratum.	NOT NULL	NUMBER(6)
	<i>refer to Appendix 9 of the scaling manual for detailed information about this data item</i>		
9	ESTIMATED_LOAD_SIZE Estimated average load volume for a stratum (volume in cubic meters to 3 decimal places).	NOT NULL	NUMBER(7,3)
	<i>refer to Appendix 9 of the scaling manual for detailed information about this data item</i>		
10	ESTIMATED_STANDARD_DEVIATION An estimated measure of how many ratios within a stratum vary from truck to truck (volume in cubic meters to 3 decimal places).	NOT NULL	NUMBER(6,2)
	<i>refer to Appendix 9 of the scaling manual for detailed information about this data item</i>		
11	OPTIMUM_SAMPLE_CALC The optimum number of samples based on the estimates	NOT NULL	NUMBER(4)
12	OPTIMUM_PRECISION_CALC The optimum precision based on the estimates	NOT NULL	NUMBER(5,2)
13	OPTIMUM_FREQUENCY_CALC The optimum sampling frequency based on the estimates	NOT NULL	NUMBER(4)
14	TARGET_SAMPLE_CALC The target number of samples based on the estimates and constraints	NOT NULL	NUMBER(4)
15	TARGET_PRECISION_CALC The target precision based on the estimates and constraints	NOT NULL	NUMBER(5,2)
16	TARGET_FREQUENCY_CALC The target sampling frequency based on the estimates and constraints	NOT NULL	NUMBER(4)
17	ACCEPTED_STRATUM_PLAN_IND Identifies a stratum plan as being accepted for production use	NOT NULL	VARCHAR2(1)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
18	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
19	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
20	STRATUM_DESC A text description of the timber that comprises a stratum	NULL	VARCHAR2(240)
21	TIMBER_SOURCE_DESC A verbose description of the composition of the stratum	NULL	VARCHAR2(240)
22	SPECIES_GRADE_PROFILE_DESC A text description of the expected species grade composition for a stratum	NULL	VARCHAR2(240)
23	CLIENT_NUMBER Sequentially assigned number to identify a ministry client.	NOT NULL	VARCHAR2(8)
24	CLIENT_LOCN_CODE A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NOT NULL	VARCHAR2(2)
25	GRADE_SCHEDULE_CODE A code identifying a grade schedule e.g. C - Coast I - Interior	NOT NULL	VARCHAR2(1)
26	SCALE_PRODUCT_CODE	NOT NULL	VARCHAR2(2)
27	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
28	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
29	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
30	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

STRATPLAN_CL_FK
 CLIENT_NUMBER = CLIENT_LOCATION.CLIENT_NUMBER
 CLIENT_LOCN_CODE = CLIENT_LOCATION.CLIENT_LOCN_CODE
STRATPLAN_GRDSCCD_FK
 GRADE_SCHEDULE_CODE = GRADE_SCHEDULE_CODE.GRADE_SCHEDULE_CODE
STRATPLAN_SMPLPLAN_FK
 PLAN_ID = SAMPLE_PLAN.PLAN_ID
STRATPLAN_SPC_FK
 SCALE_PRODUCT_CODE = SCALE_PRODUCT_CODE.SCALE_PRODUCT_CODE

Indexes:

STRATPLAN_CL_FK_I
 CLIENT_NUMBER
 CLIENT_LOCN_CODE
STRATPLAN_GRDSCCD_FK_I
 GRADE_SCHEDULE_CODE
STRATPLAN_SMPLPLAN_FK_I
 PLAN_ID
STRATPLAN_SPC_FK_I
 SCALE_PRODUCT_CODE

Table: STRATUM_PLAN_COMPOSITION*Description:*

Describes the proportion of the stratum composition that is attributable to a segregation

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SCALE_SPECIES_CODE A code used to identify a type of tree species	NOT NULL	VARCHAR2(2)
* 2	SCALE_GRADE_CODE A code used to identify a grade of timber	NOT NULL	VARCHAR2(1)
* 3	STRATUM_PLAN_ID A surrogate key uniquely identifying a plan for a stratum	NOT NULL	NUMBER(32)
* 4	SCALE_PRODUCT_CODE A code used to identify a type of timber product	NOT NULL	VARCHAR2(2)
5	DEFAULT_RATIO The estimated ratio attributable to a segregation. This ratio will also be used as a default in the situation where no samples have been taken at the time of billing a weight scale summary for the stratum	NOT NULL	NUMBER(6,5)
6	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
7	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
8	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
9	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

STRPLNCOMP_SSPGXREF_FK
 SCALE_SPECIES_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_SPECIES_CODE
 SCALE_PRODUCT_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_PRODUCT_CODE
 SCALE_GRADE_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_GRADE_CODE
 STRPLNCOMP_STRATPLAN_FK
 STRATUM_PLAN_ID = STRATUM_PLAN.STRATUM_PLAN_ID

Indexes:

STRPLNCOMP_SSPGXREF_FK_I
 SCALE_SPECIES_CODE
 SCALE_PRODUCT_CODE
 SCALE_GRADE_CODE
 STRPLNCOMP_STRATPLAN_FK_I
 STRATUM_PLAN_ID

Table: STRATUM_SEGREGATION_STATS**Description:**

A supertype, providing common attributes, for the various statistics calculated for a stratum
 Current calculated statistics recorded at the segregation level for a stratum

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	POPULATION_NUMBER A number uniquely identifying a population	NOT NULL	VARCHAR2(4)
* 2	STRATUM_NUMBER A unique identifier for a stratum within a population/sampling year	NOT NULL	VARCHAR2(2)
* 3	SAMPLING_YEAR Describes a period within which loads of timber are attributed to a particular stratum within a population <i>This column is specified as Number (5) due to the use of legacy tables during the original implementation of HBS Phase 1</i>	NOT NULL	NUMBER(5)
* 4	SCALE_SPECIES_CODE A code used to identify a type of tree species	NOT NULL	VARCHAR2(2)
* 5	SCALE_PRODUCT_CODE A code used to identify a type of timber product	NOT NULL	VARCHAR2(2)
* 6	SCALE_GRADE_CODE A code used to identify a grade of timber	NOT NULL	VARCHAR2(1)
7	SAMPLE_LOADS The number of loads sampled, at the various levels of stats calculations being captured by this entity's subtypes. eg. the number of loads sampled in a population that contained a specific grade the number of loads sampled in a stratum that contained a specific segregation etc...	NULL	NUMBER(5)
8	SAMPLE_VOLUME The total volume sampled, at the various levels of stats calculations being captured by this entity's subtypes. eg. the total volume sampled for a specific grade within a population the total volume sampled for a specific segregation within a stratum etc...	NULL	NUMBER(15,3)
9	VOLUME_FRACTION The volume fraction (%), at the various levels of stats calculations being captured by this entity's subtypes. eg. the volume fraction for a specific species for all sample loads within a population the volume fraction for a specific segregation for all sample loads within a population etc...	NULL	NUMBER(5,2)
10	RATIO The ratio (m3/tonne), at the various levels of stats calculations being captured by this entity's subtypes. eg. the ratio for a specific species for all sample loads within a population the ratio for a specific segregation for all sample loads within a population etc...	NULL	NUMBER(6,5)
11	BILLED_VOLUME The volume billed (m3), at the various levels of stats calculations being captured by this entity's subtypes. eg. the volume estimate for a specific species for all billed loads within a population the volume estimate for a specific segregation for all billed loads within a population etc...	NULL	NUMBER(15,3)
12	VARIANCE The variance (square of the standard deviation) of the total volume at the various levels of stats calculations being captured by this entity's subtypes.	NULL	NUMBER

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	eg. the variance of the volume estimate of a species in all billed loads for a population the variance of the volume estimate of a segregation in all billed loads for a population etc...		
13	PRECISION The precision of the population total volume as a percentage (e.g. within plus or minus n.nn%), at the various levels of stats calculations being captured by this entity's subtypes. eg. the precision of the volume estimate of a species in all billed loads for a population the precision of the volume estimate of a segregation in all billed loads for a population etc... refer to Appendix 9 of the scaling manual for detailed information about this data item	NULL	NUMBER(5,2)

Foreign Keys:

STRSEGSTAT_SSPGXREF_FK
 SCALE_SPECIES_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_SPECIES_CODE
 SCALE_PRODUCT_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_PRODUCT_CODE
 SCALE_GRADE_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_GRADE_CODE
 STRSEGSTAT_STRATUM_FK
 POPULATION_NUMBER = STRATUM.POPULATION_NUMBER
 SAMPLING_YEAR = STRATUM.SAMPLING_YEAR
 STRATUM_NUMBER = STRATUM.STRATUM_NUMBER

Indexes:

STRSEGSTAT_SSPGXREF_FK_I
 SCALE_SPECIES_CODE
 SCALE_PRODUCT_CODE
 SCALE_GRADE_CODE
 STRSEGSTAT_STRATUM_FK_I
 POPULATION_NUMBER
 SAMPLING_YEAR
 STRATUM_NUMBER

Table: STRATUM_SPECIES_STATS**Description:**

A supertype, providing common attributes, for the various statistics calculated for a stratum
 Current calculated statistics recorded at the species level for a stratum

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	POPULATION_NUMBER A number uniquely identifying a population	NOT NULL	VARCHAR2(4)
* 2	STRATUM_NUMBER A unique identifier for a stratum within a population/sampling year	NOT NULL	VARCHAR2(2)
* 3	SAMPLING_YEAR Describes a period within which loads of timber are attributed to a particular stratum within a population <i>This column is specified as Number (5) due to the use of legacy tables during the original implementation of HBS Phase 1</i>	NOT NULL	NUMBER(5)
* 4	SCALE_SPECIES_CODE A code used to identify a type of tree species	NOT NULL	VARCHAR2(2)
5	SAMPLE_LOADS The number of loads sampled, at the various levels of stats calculations being captured by this entity's subtypes. eg. the number of loads sampled in a population that contained a specific grade the number of loads sampled in a stratum that contained a specific segregation etc...	NULL	NUMBER(5)
6	SAMPLE_VOLUME The total volume sampled, at the various levels of stats calculations being captured by this entity's subtypes. eg. the total volume sampled for a specific grade within a population the total volume sampled for a specific segregation within a stratum etc...	NULL	NUMBER(15,3)
7	VOLUME_FRACTION The volume fraction (%), at the various levels of stats calculations being captured by this entity's subtypes. eg. the volume fraction for a specific species for all sample loads within a population the volume fraction for a specific segregation for all sample loads within a population etc...	NULL	NUMBER(5,2)
8	RATIO The ratio (m3/tonne), at the various levels of stats calculations being captured by this entity's subtypes. eg. the ratio for a specific species for all sample loads within a population the ratio for a specific segregation for all sample loads within a population etc...	NULL	NUMBER(6,5)
9	BILLED_VOLUME The volume billed (m3), at the various levels of stats calculations being captured by this entity's subtypes. eg. the volume estimate for a specific species for all billed loads within a population the volume estimate for a specific segregation for all billed loads within a population etc...	NULL	NUMBER(15,3)
10	VARIANCE The variance (square of the standard deviation) of the total volume at the various levels of stats calculations being captured by this entity's subtypes. eg. the variance of the volume estimate of a species in all billed loads for a population the variance of the volume estimate of a segregation in all billed loads for a population	NULL	NUMBER

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	etc...		
	<i>refer to Appendix 9 of the scaling manual for detailed information about this data item</i>		
11	PRECISION	NULL	NUMBER(5,2)
	The precision of the population total volume as a percentage (e.g. within plus or minus n.nn%), at the various levels of stats calculations being captured by this entity's subtypes.		
	eg.		
	the precision of the volume estimate of a species in all billed loads for a population		
	the precision of the volume estimate of a segregation in all billed loads for a population		
	etc...		
	<i>refer to Appendix 9 of the scaling manual for detailed information about this data item</i>		

Foreign Keys:

STRSPCSTAT_SSC_FK
 SCALE_SPECIES_CODE = SCALE_SPECIES_CODE.SCALE_SPECIES_CODE
 STRSPCSTAT_STRATUM_FK
 POPULATION_NUMBER = STRATUM.POPULATION_NUMBER
 SAMPLING_YEAR = STRATUM.SAMPLING_YEAR
 STRATUM_NUMBER = STRATUM.STRATUM_NUMBER

Indexes:

STRSPCSTAT_SSC_FK_I
 SCALE_SPECIES_CODE
 STRSPCSTAT_STRATUM_FK_I
 POPULATION_NUMBER
 SAMPLING_YEAR
 STRATUM_NUMBER

Table: TENURE_TERM*Description:*

Tenure term defines, for all tenures, the term of the harvesting tenure. This includes the initial term and subsequent extensions where applicable.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	FOREST_FILE_ID	NOT NULL	VARCHAR2(10)
	File identification assigned to Provincial Forest Use files. Assigned file number. Usually the Licence, Tenure or Private Mark number.		

Table: TIMBER_MARK*Description:*

Information about the timber cutting and moving permission for a timber tenure. For Private Timber Marks, the ministry does not grant cutting permission. For some Road Permits and Licences to Cut, no moving permission is granted. Otherwise, synonymous.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TIMBER_MARK	NOT NULL	VARCHAR2(6)
	Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.		

Notes:

FTA TMBR

2004-03-04 R.A.Robb

Added SMALL PATCH SALVAGE IND

Table: TRANSMISSION_FORMAT_ERROR*Description:*

Records all errors encountered during edit events.

Records an error that caused a transmission containing one or more batches of detail documents to fail during an unpacking edit event.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ERROR_ID Surrogate key for uniquely identifying an error	NOT NULL	NUMBER(32)
2	HBS_EDIT_ERR_MESSAGE_CODE A code used to identify an error message that an edit event may generate	NOT NULL	VARCHAR2(6)
3	HBS_EDIT_ERR_CATEGORY_CODE A code used to identify an error category for an edit error	NOT NULL	VARCHAR2(3)
4	TRANSMISSION_ID A surrogate key uniquely identifying a transmission	NOT NULL	NUMBER(32)
5	ERROR_TIMESTAMP Date and time at which the error message was generated	NOT NULL	DATE

Foreign Keys:

TRANFMterr_DTLDOCTRAN_FK

TRANSMISSION_ID = DTL_SCL_DOC_TRANSMISSION.TRANSMISSION_ID

TRANFMterr_EEMc_FK

HBS_EDIT_ERR_MESSAGE_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_CATEGORY_CODE

Indexes:

TRANFMterr_DTLDOCTRAN_FK_I

TRANSMISSION_ID

TRANFMterr_EEMc_FK_I

HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE

Table: WASTE_ASSESSMENT_AREA*Description:*

An area used for sampling purposes in the context of a reporting unit.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	WASTE_ASSESSMENT_AREA_ID The unique identifier for a Waste Assessment Area	NOT NULL	NUMBER(12)

Table: WASTE_ASSESSMENT_SEGREGATION*Description:*

Populated on WASTE-603 once rates are submitted to HBS for review. At this time the Status of the Assessment Area is set to "Ready to Bill" and a snapshot of the FS 702 report data is taken for this Assessment Area and stored in this entity. The HBS sys

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SCALE_GRADE_CODE A code used to describe the grade of log scaled.	NOT NULL	VARCHAR2(1)
* 2	SCALE_PRODUCT_CODE A code used to describe the product of log scaled.	NOT NULL	VARCHAR2(2)
* 3	SCALE_SPECIES_CODE Identifies the species for a given piece.	NOT NULL	VARCHAR2(3)
* 4	WASTE_ASSESSMENT_AREA_ID The unique identifier for a Waste Assessment Area	NOT NULL	NUMBER(12)

Table: WASTE_RATE_SOURCE_CODE*Description:*

Identifies how the rate was calculated. All rates are derived from Harvest History based on differing criteria or can be entered directly by the user.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	WASTE_RATE_SOURCE_CODE Identifies how the rate was calculated. All rates are derived from Harvest History based on differing criteria or can be entered directly by the user.	NOT NULL	VARCHAR2(2)
2	DESCRIPTION The code description.	NOT NULL	VARCHAR2(120)
3	EFFECTIVE_DATE The date this 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

Table: WASTE_RESIDUE_RATE*Description:*

Captures rate information for processing waste scale data.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	WSTRT_ID A unique identifier (surrogate) for a waste/residue rate entry	NOT NULL	NUMBER(32)
2	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NOT NULL	VARCHAR2(6)
3	CUT_BLOCK_ID Identifies a specific cut block within a timber mark that a rate entry applies to	NOT NULL	VARCHAR2(10)
4	SCALE_SPECIES_CODE A code used to identify a type of tree species	NOT NULL	VARCHAR2(2)
5	SCALE_PRODUCT_CODE A code used to identify a type of timber product	NOT NULL	VARCHAR2(2)
6	SCALE_GRADE_CODE A code used to identify a grade of timber	NOT NULL	VARCHAR2(1)
7	WASTE_RATE_SOURCE_CODE Identifies how the rate was calculated. All rates are derived from Harvest History based on differing criteria or can be entered directly by the user.	NULL	VARCHAR2(2)
8	ACTIVE_IND An indicator that a rate is active or inactive regardless of effective/expiry dates	NOT NULL	VARCHAR2(1)
9	AVOIDABLE_IND Indicates if a rate is for avoidable or unavoidable waste	NOT NULL	VARCHAR2(1)
10	RATE A rate assigned to a waste timber for a segregation for a cut block within a timber mark	NOT NULL	NUMBER(5,2)
11	EFFECTIVE_DATE The date the code becomes effective.	NOT NULL	DATE
12	EXPIRY_DATE The date after which the code is no longer available for use.	NOT NULL	DATE
13	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
14	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
15	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
16	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

WSTRATE_SGCT_FK
SCALE_GRADE_CODE = SCALE_GRADE_CODE.SCALE_GRADE_CODE

WSTRATE_SPCT_FK
SCALE_PRODUCT_CODE = SCALE_PRODUCT_CODE.SCALE_PRODUCT_CODE

WSTRATE_SSC_FK
SCALE_SPECIES_CODE = SCALE_SPECIES_CODE.SCALE_SPECIES_CODE

WSTRATE_TM_FK
TIMBER_MARK = TIMBER_MARK.TIMBER_MARK

WSTRATE_WRSC_FK
WASTE_RATE_SOURCE_CODE = WASTE_RATE_SOURCE_CODE.WASTE_RATE_SOURCE_CODE

Indexes:

WSTRATE_SGCT_FK_I
SCALE_GRADE_CODE

WSTRATE_SPCT_FK_I
SCALE_PRODUCT_CODE

WSTRATE_SSC_FK_I
SCALE_SPECIES_CODE

WSTRATE_TM_FK_I

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

TIMBER_MARK
WSTRATE_WRSC_FK_I
WASTE_RATE_SOURCE_CODE

Notes:

This table is updated by the Waste and Residue application

Table: WEIGHT_SCALE_NOTATION*Description:*

Captures textual comments about a summary scale return version
 A subtype of Summary Return Notation...
 Captures textual comments about a weight return version.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	NTN_ID A generated unique identifier for the a summary scale return notation	NOT NULL	NUMBER(32)
2	DOCUMENT_CONTROL_NUMBER Uniquely identifies a scale return	NOT NULL	NUMBER(10)
3	VERSION Identifies the version of a summary scale return. A new version is created when the scale return is replaced with changes.	NOT NULL	NUMBER(10)
4	NOTATION_TYPE_CODE A code used to identify a type notation that may be appended to a summary scale return	NOT NULL	VARCHAR2(3)
5	NOTATION_NUMBER The sequence in which the notations were generated	NOT NULL	NUMBER(2)
6	TEXT Captures the text of the notation	NOT NULL	VARCHAR2(80)
7	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
8	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
9	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
10	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

WSNOTN_NTC_FK
 NOTATION_TYPE_CODE = NOTATION_TYPE_CODE.NOTATION_TYPE_CODE
 WSNOTN_WSSMRY_FK
 DOCUMENT_CONTROL_NUMBER = WEIGHT_SCALE_SUMMARY.DOCUMENT_CONTROL_NUMBER
 VERSION = WEIGHT_SCALE_SUMMARY.VERSION

Indexes:

WSNOTN_NTC_FK_I
 NOTATION_TYPE_CODE
 WSNOTN_WSSMRY_FK_I
 DOCUMENT_CONTROL_NUMBER
 VERSION

Table: WEIGHT_SCALE_SUMMARY**Description:**

Captures source data for a version of a summary scale return
Represents an 'old style' weight scale monthly return.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DOCUMENT_CONTROL_NUMBER Uniquely identifies a scale return	NOT NULL	NUMBER(10)
* 2	VERSION Identifies the version of a summary scale return. A new version is created when the scale return is replaced with changes.	NOT NULL	NUMBER(10)
3	LICENSE_NUMBER A number used to uniquely identify each scaler who is registered with the Ministry.	NULL	VARCHAR2(4)
4	QUANT_LIC_TYPE_CD Obsolete column	NULL	VARCHAR2(1)
5	SCALE_SITE_ID_NMBR An alphanumeric code used to uniquely identify a scale site.	NOT NULL	VARCHAR2(4)
6	SCALE_DATE The date of scale from the set of scale returns being summarized. <i>This is the 'last date of scale from the set of summarized returns (i.e. the set of returns are were not necessarily scaled on the the same date)</i>	NOT NULL	DATE
7	POPULATION_NUMBER A number uniquely identifying a population	NULL	VARCHAR2(4)
8	STRATUM_NUMBER A unique identifier for a stratum within a population/sampling year	NULL	VARCHAR2(2)
9	SAMPLING_YEAR Describes a period within which loads of timber are attributed to a particular stratum within a population <i>This column is specified as Number (5) due to the use of legacy tables during the original implementiion of HBS Phase 1</i>	NULL	NUMBER(5)
10	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NULL	VARCHAR2(6)
11	CLIENT_NUMBER_PAID_BY Sequentially assigned number to identify a ministry client.	NULL	VARCHAR2(8)
12	CLIENT_LOCN_CODE_PAID_BY A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NULL	VARCHAR2(2)
13	CLIENT_LOCN_CODE_COPIED_TO A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NULL	VARCHAR2(2)
14	CLIENT_NUMBER_COPIED_TO Sequentially assigned number to identify a ministry client.	NULL	VARCHAR2(8)
15	SCL_RTN_VERSION_STATE_CODE A code used to describe the current state of a summary scale return version	NOT NULL	VARCHAR2(3)
16	SCL_RTN_CATEGORY_CODE A code used to identify the format type of a summary scale return	NOT NULL	VARCHAR2(2)
17	INPUT_POPULATION The population supplied on the source document. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "population" component of the relationship to the Stratum entity</i>	NULL	VARCHAR2(4)
18	INPUT_STRATUM The stratum identifier supplied on the source document. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "stratum" component of the relationship to the Stratum entity</i>	NULL	VARCHAR2(2)
19	INPUT_SAMPLING_YEAR The sampling year supplied on the source document. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "sampling year" component of the relationship to the Stratum entity</i>	NULL	VARCHAR2(2)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
20	INPUT_TIMBER_MARK The "timber mark" supplied on the source document, designating the specific tenure and cutting permit, from which the tenure type, and tenure holder can be determined. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "timber mark" relationship</i>	NULL	VARCHAR2(6)
21	ACTIVE_VERSION_IND Indicates that a version is the active version of interest to application processes	NOT NULL	VARCHAR2(1)
22	QUEUED_FOR_PRINT_IND Indicates that a summary scale document has been placed in a que for printing <i>*** no longer used (20090224)?</i>	NOT NULL	VARCHAR2(1)
23	VISIBILITY_IND Indicates if a return version can be displayed by the application. <i>This indicator is intergral to the input process for scale returns, as it is important not to display a return until the EDI validation process has successfully completed.</i> <i>It will also be used to implement the logical deletion (i.e. discarding) of a return.</i>	NOT NULL	VARCHAR2(1)
24	PENDING_TXN_COMMENT A text comment for pending transactions <i>*** Never used as of 20090224</i>	NULL	VARCHAR2(240)
25	PERIOD_START_DATE Used to define the start date of the detail loads summarized on a summary return. <i>This field will normally identify the 1st of the month, but its main purpose is to identify the start date of summarizations that start in the middle of a month due to a mid month appraisal</i>	NULL	DATE
26	FIELD_SCALE_DECK_ID	NULL	VARCHAR2(1)
27	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
28	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
29	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
30	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

WSSMRY_CL_FK
 CLIENT_NUMBER_COPIED_TO = CLIENT_LOCATION.CLIENT_NUMBER
 CLIENT_LOCN_CODE_COPIED_TO = CLIENT_LOCATION.CLIENT_LOCN_CODE

WSSMRY_CL_PAID_BY_FK
 CLIENT_NUMBER_PAID_BY = CLIENT_LOCATION.CLIENT_NUMBER
 CLIENT_LOCN_CODE_PAID_BY = CLIENT_LOCATION.CLIENT_LOCN_CODE

WSSMRY_HBSSR_FK
 DOCUMENT_CONTROL_NUMBER = HBS_SCALE_RETURN.DOCUMENT_CONTROL_NUMBER

WSSMRY_SCA_FK
 LICENSE_NUMBER = SCALER.SCALER_LICENCE_NO

WSSMRY_SRCATCD_FK
 SCL_RTN_CATEGORY_CODE = SCL_RTN_CATEGORY_CODE.SCL_RTN_CATEGORY_CODE

WSSMRY_SRVERSTATE_FK
 SCL_RTN_VERSION_STATE_CODE = SCL_RTN_VERSION_STATE_CODE.SCL_RTN_VERSION_STATE_CODE

WSSMRY_SS_FK
 SCALE_SITE_ID_NMBR = SCALE_SITE.SCALE_SITE_ID_NMBR

WSSMRY_STRATUM_FK
 POPULATION_NUMBER = STRATUM.POPULATION_NUMBER
 SAMPLING_YEAR = STRATUM.SAMPLING_YEAR
 STRATUM_NUMBER = STRATUM.STRATUM_NUMBER

WSSMRY_TM_FK
 TIMBER_MARK = TIMBER_MARK.TIMBER_MARK

Indexes:

WSSMRY_CL_FK_I

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

CLIENT_NUMBER_COPIED_TO
CLIENT_LOCN_CODE_COPIED_TO
WSSMRY_CL_PAID_BY_FK_I
CLIENT_NUMBER_PAID_BY
CLIENT_LOCN_CODE_PAID_BY
WSSMRY_HBSSR_FK_I
DOCUMENT_CONTROL_NUMBER
WSSMRY_SCA_FK_I
LICENSE_NUMBER
WSSMRY_SRCATCD_FK_I
SCL_RTN_CATEGORY_CODE
WSSMRY_SRVERSTATE_FK_I
SCL_RTN_VERSION_STATE_CODE
WSSMRY_SS_FK_I
SCALE_SITE_ID_NMBR
WSSMRY_STRATUM_FK_I
POPULATION_NUMBER
SAMPLING_YEAR
STRATUM_NUMBER
WSSMRY_TM_FK_I
TIMBER_MARK

Table: WEIGHT_SCL_DAILY_LOAD_SUMMARY*Description:*

Provides a breakdown of daily loads and weight for a weight scale Summary Scale Return

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	VERSION Identifies the version of a summary scale return. A new version is created when the scale return is replaced with changes.	NOT NULL	NUMBER(10)
* 2	DOCUMENT_CONTROL_NUMBER Uniquely identifies a scale return	NOT NULL	NUMBER(10)
* 3	DAY Represents the day of the month (1 to 31)	NOT NULL	NUMBER(2)
4	NUMBER_OF_LOADS The total number of loads weighed in a day	NOT NULL	NUMBER(4)
5	WEIGHT The total weight of the total loads recieved in a day	NOT NULL	NUMBER(9)
6	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
7	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
8	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
9	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

WSDLYLDSMR_WSSMRY_FK
 DOCUMENT_CONTROL_NUMBER = WEIGHT_SCALE_SUMMARY.DOCUMENT_CONTROL_NUMBER
 VERSION = WEIGHT_SCALE_SUMMARY.VERSION

Indexes:

WSDLYLDSMR_WSSMRY_FK_I
 DOCUMENT_CONTROL_NUMBER
 VERSION

Table: WEIGHT_SCL_SMRY_TXN**Description:**

Captures derived scale return data generated during the processing of a scale return version

A subtype of Summary Return Transaction...

A record of a processing transaction applied against a weight or piece scale return version that will result in the generation of an invoice.

A subtype of Billable Summary Txn...

A record of a processing transaction applied against a weight scale return version

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	TRX_ID A generated unique identifier for the a summary scale return transaction	NOT NULL	NUMBER(32)
2	INVOICE_NUMBER he Invoice Number is a character string that appears on each printed invoice and uniquely identifies that invoice.	NULL	VARCHAR2(7)
3	CANCELLATION_IND This attribute is used to identify invoices that are cancelling an invoice with the same Invoice_Number. It is set to "Y" only for a Piece Scale R2 transaction (Cancel and Replace). All other billing transactions are defaulted to "N".	NULL	VARCHAR2(1)
4	BATCH_ID Surrogate key for uniquely identifying a batch	NULL	NUMBER(32)
5	HBS_TXN_STATUS_CODE A code used to describe the current state of a summary scale return transaction	NOT NULL	VARCHAR2(3)
6	TALLY_SKEY Obsolete column <i>Obsolete column</i>	NULL	NUMBER(10)
7	OVERRIDE_RATING_RULE_ID Surrogate key used to uniquely identify each instance of an rate override rule	NULL	NUMBER(32)
8	HBS_TXN_TYPE_CODE A code used to identify the type of transaction generated for a summary scale return version	NOT NULL	VARCHAR2(3)
9	VERSION Identifies the version of a summary scale return. A new version is created when the scale return is replaced with changes.	NOT NULL	NUMBER(10)
10	DOCUMENT_CONTROL_NUMBER Uniquely identifies a scale return	NOT NULL	NUMBER(10)
11	SMRYRETTXN_COMMENT A text comment for a transaction	NULL	VARCHAR2(240)
12	EVENT_SEQUENCE This is the sequence, repeating for each summary scale return version, that identifies the sequence of events for which transactions have been applied to a summary scale return version. e.g, transaction sequences for a return can be... 1 original 2 cancelled 3 replaced (this is the case where the return is cancelled and replaced at a later date resulting from 3 seperate user requests or cancelled and replaced with changes resulting from a single user request) or 1 original 2 cancelled 2 replaced (this is the case where the return is cancelled and replaced without changes resulting from a single user request)	NOT NULL	NUMBER(2)
13	DEBIT_CREDIT_TYPE Indicates if a transaction results in a debit (+) or credit (-) movement	NOT NULL	VARCHAR2(2)
14	INTEREST_REVERSAL_IND Indicates that a summary transaction will require interest reversal processing (Only applies to cancellations)	NULL	VARCHAR2(1)
15	CLIENT_NUMBER_PAID_BY	NOT NULL	VARCHAR2(8)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
16	CLIENT_LOCN_CODE_PAID_BY Sequentially assigned number to identify a ministry client. A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NOT NULL	VARCHAR2(2)
17	CLIENT_NUMBER_COPIED_TO Sequentially assigned number to identify a ministry client.	NULL	VARCHAR2(8)
18	CLIENT_LOCN_CODE_COPIED_TO A code to uniquely identify, within each client, the addresses of different divisions or locations at which the client operates. The location code is sequentially assigned starting with '00' for the client's permanent address.	NULL	VARCHAR2(2)
19	RATIO_STATEMENT_NUMBER	NULL	VARCHAR2(7)
20	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
21	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
22	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
23	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

WSSMRYTXCAPTURING_THE_PAYEE_FK
 CLIENT_NUMBER_PAID_BY = CLIENT_LOCATION.CLIENT_NUMBER
 CLIENT_LOCN_CODE_PAID_BY = CLIENT_LOCATION.CLIENT_LOCN_CODE

WSSMRYTXN_CL_FK
 CLIENT_NUMBER_COPIED_TO = CLIENT_LOCATION.CLIENT_NUMBER
 CLIENT_LOCN_CODE_COPIED_TO = CLIENT_LOCATION.CLIENT_LOCN_CODE

WSSMRYTXN_FI_FK
 CANCELLATION_IND = FOREST_INVOICE.CANCELLATION_IND
 INVOICE_NUMBER = FOREST_INVOICE.INVOICE_NUMBER

WSSMRYTXN_HBSOUTBAT_FK
 BATCH_ID = HBS_OUTPUT_BATCH.BATCH_ID

WSSMRYTXN_HBSTSC_FK
 HBS_TXN_STATUS_CODE = HBS_TXN_STATUS_CODE.HBS_TXN_STATUS_CODE

WSSMRYTXN_HBSTTC_FK
 HBS_TXN_TYPE_CODE = HBS_TXN_TYPE_CODE.HBS_TXN_TYPE_CODE

WSSMRYTXN_OVRDRTRL_FK
 OVERRIDE_RATING_RULE_ID = OVERRIDE_RATING_RULE.OVERRIDE_RATING_RULE_ID

WSSMRYTXN_RATIOSTMT_FK
 RATIO_STATEMENT_NUMBER = HBS_RATIO_STATEMENT.STATEMENT_NUMBER

WSSMRYTXN_WSSMRY_FK
 DOCUMENT_CONTROL_NUMBER = WEIGHT_SCALE_SUMMARY.DOCUMENT_CONTROL_NUMBER
 VERSION = WEIGHT_SCALE_SUMMARY.VERSION

Indexes:

WSSMRYTXCAPTURING_THE_PAYEE__I
 CLIENT_NUMBER_PAID_BY
 CLIENT_LOCN_CODE_PAID_BY

WSSMRYTXN_CL_FK_I
 CLIENT_NUMBER_COPIED_TO
 CLIENT_LOCN_CODE_COPIED_TO

WSSMRYTXN_FI_FK_I
 CANCELLATION_IND
 INVOICE_NUMBER

WSSMRYTXN_HBSOUTBAT_FK_I
 BATCH_ID

WSSMRYTXN_HBSTSC_FK_I

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

HBS_TXN_STATUS_CODE
WSSMRYTXN_HBSTTC_FK_I
HBS_TXN_TYPE_CODE
WSSMRYTXN_OVRRDRTRL_FK_I
OVERRIDE_RATING_RULE_ID
WSSMRYTXN_WSSMRY_FK_I
DOCUMENT_CONTROL_NUMBER
VERSION

Table: WEIGHT_SCL_TXN_SEGREGATION**Description:**

Captures derived data being applied to summary scale return segregations

A subtype of Summary Return Txn Segregation whose instances will capture invoice detail information for a summary return segregation.

A subtype of Billable Txn Segregation...

This entity captures derived information regarding the processing of a transaction against a weight scale return segregation.

Columns:

Seq.	Column	Nulls?	Type
* 1	TXN_SEG_ID A generated unique identifier for the a summary scale return transaction segregation	NOT NULL	NUMBER(32)
2	TRX_ID A code used to identify a type of tree species	NOT NULL	NUMBER(32)
3	DOCUMENT_CONTROL_NUMBER Uniquely identifies a scale return	NOT NULL	NUMBER(10)
4	VERSION Identifies the version of a summary scale return. A new version is created when the scale return is replaced with changes.	NOT NULL	NUMBER(10)
5	SCALE_SPECIES_CODE	NOT NULL	VARCHAR2(2)
6	SCALE_PRODUCT_CODE A code used to identify a type of timber product	NOT NULL	VARCHAR2(2)
7	SCALE_GRADE_CODE A code used to identify a grade of timber	NOT NULL	VARCHAR2(1)
8	VOLUME The total volume for a segregation	NULL	NUMBER(15,3)
9	VALUE The value that a segregation was billed for	NULL	NUMBER(15,2)
10	RATE The rate at which a segregation was billed	NULL	NUMBER(6,2)
11	RATIO Records the ratio used to calculate the segregation's volume by determining the portion of the total weight to be associated with the segregation based on a sampled segregation.	NULL	NUMBER(6,5)
12	WEIGHT_X_RATE Records the year to date total weight multiplied by the rate applicable for the segregation. <i>This is for all of the accumulated weight for the scale return's population/stratum/sampling year and mark including the weight from the current return.</i>	NULL	NUMBER(16,2)
13	OVERRIDE_RATE_ID Surrogate key used to identify each instance of an override rate	NULL	NUMBER(32)
14	RATE_SOURCE Identifies the source of the rate with regard to the 'logic' path taken, and decisions made, by the price lookup function in obtaining or determining an appropriate rate. <i>Phase 3 attributes</i>	NULL	VARCHAR2(40)
15	RESERVE_STMPG_RATE_COMPONENT Describes the reserve stumpage rate portion of the rate <i>Phase 3 attributes</i>	NULL	NUMBER(6,2)
16	BONUS_BID_RATE_COMPONENT Describes the bonus bid portion of the rate <i>Phase 3 attributes</i>	NULL	NUMBER(6,2)
17	DEV_LEVY_RATE_COMPONENT Describes the development levy portion of the rate <i>Phase 3 attributes</i>	NULL	NUMBER(6,2)
18	SILV_LEVY_RATE_COMPONENT Describes the silviculture levy portion of the rate <i>Phase 3 attributes</i>	NULL	NUMBER(6,2)
19	RESERVE_STMPG_AMOUNT_COMPONENT The portion of the segregation value amount attributed to the reserve stumpage rate component	NULL	NUMBER(15,2)
20	BONUS_BID_AMOUNT_COMPONENT The portion of the segregation value amount attributed to the bonus bid rate component	NULL	NUMBER(15,2)
21	DEV_LEVY_AMOUNT_COMPONENT	NULL	NUMBER(15,2)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
22	SILV_LEVY_AMOUNT_COMPONENT The portion of the segregation value amount attributed to the development levy rate component	NULL	NUMBER(15,2)
23	ENTRY_USERID The portion of the segregation value amount attributed to the silviculture levy rate component	NOT NULL	VARCHAR2(30)
24	ENTRY_TIMESTAMP The USERID of the individual who entered the information.	NOT NULL	DATE
25	UPDATE_USERID The date and time on which the record was created.	NULL	VARCHAR2(30)
26	UPDATE_TIMESTAMP The USERID of the individual who last updated the information.	NULL	DATE
	The date and time the record was last modified.		

Foreign Keys:

WSTXNSEG_OVERRD_RATE_FK
 OVERRIDE_RATE_ID = OVERRIDE_RATE.OVERRIDE_RATE_ID

WSTXNSEG_SSPGXREF_FK
 SCALE_SPECIES_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_SPECIES_CODE
 SCALE_PRODUCT_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_PRODUCT_CODE
 SCALE_GRADE_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_GRADE_CODE

WSTXNSEG_WSSMRYTXN_FK
 TRX_ID = WEIGHT_SCL_SMRY_TXN.TRX_ID

WSTXNSEG_WSSMRY_FK
 DOCUMENT_CONTROL_NUMBER = WEIGHT_SCALE_SUMMARY.DOCUMENT_CONTROL_NUMBER
 VERSION = WEIGHT_SCALE_SUMMARY.VERSION

Indexes:

WSTXNSEG_OVERRD_RATE_FK_I
 OVERRIDE_RATE_ID

WSTXNSEG_SSPGXREF_FK_I
 SCALE_SPECIES_CODE
 SCALE_PRODUCT_CODE
 SCALE_GRADE_CODE

WSTXNSEG_WSSMRYTXN_FK_I
 TRX_ID

WSTXNSEG_WSSMRY_FK_I
 DOCUMENT_CONTROL_NUMBER
 VERSION

Table: WEIGHT_SCL_VERSION_ERROR*Description:*

Records all errors encountered during edit events.

A subtype of Scale Return Version Error...

Records errors encountered during edit events for weight scale version data.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ERROR_ID Surrogate key for uniquely identifying an error	NOT NULL	NUMBER(32)
2	HBS_EDIT_ERR_CATEGORY_CODE A code used to identify an error category for an edit error	NOT NULL	VARCHAR2(3)
3	HBS_EDIT_ERR_MESSAGE_CODE A code used to identify an error message that an edit event may generate	NOT NULL	VARCHAR2(6)
4	DOCUMENT_CONTROL_NUMBER Uniquely identifies a scale return	NOT NULL	NUMBER(10)
5	VERSION Identifies the version of a summary scale return. A new version is created when the scale return is replaced with changes.	NOT NULL	NUMBER(10)
6	ERROR_TIMESTAMP Date and time at which the error message was generated	NOT NULL	DATE

Foreign Keys:

WSVERERR_EEMC_FK

HBS_EDIT_ERR_MESSAGE_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_CATEGORY_CODE

WSVERERR_WSSMRY_FK

DOCUMENT_CONTROL_NUMBER = WEIGHT_SCALE_SUMMARY.DOCUMENT_CONTROL_NUMBER

VERSION = WEIGHT_SCALE_SUMMARY.VERSION

Indexes:

WSVERERR_EEMC_FK_I

HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE

WSVERERR_WSSMRY_FK_I

DOCUMENT_CONTROL_NUMBER

VERSION

Table: WEIGH_SLIP*Description:*

Captures source data for a version of a detail level scale document or ledger item

This entity captures all attributes common to all scale document types except for departure ledgers

This entity captures all attributes common to all scale document types except that are eligible for being summarized for statement processing.

A subtype of Detail Scale Doc Version...

Records information about the weighing of a truckload of timber, or other material such as a gravel truck (if a load number is consumed).

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DETAIL_DOCUMENT_NUMBER A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.	NOT NULL	VARCHAR2(13)
* 2	VERSION Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.	NOT NULL	NUMBER(2)
3	BATDOC_ID Surrogate key for uniquely identifying a document from a detail scale document batch	NULL	NUMBER(32)
4	SCALE_EVENT_TYPE_CODE A code used to identify the type of a scale event associated with a detail scale document	NOT NULL	VARCHAR2(2)
5	SCL_RTN_VERSION_STATE_CODE A code used to describe the current state of a summary scale return version	NOT NULL	VARCHAR2(3)
6	SCALE_DATE The date (and time for weigh slips) upon which a load of timber was scaled	NOT NULL	DATE
7	SCALE_SITE_ID_NMBR An alphanumeric code used to uniquely identify a scale site.	NULL	VARCHAR2(4)
8	CUT_BLOCK_ID Identifies the cut block where the timber scaled on a detail scale return was harvested. <i>This data item cannot be validated with RI at this time as there is no standard set Cut blocks currently in use by both Industry and the Ministry</i>	NULL	VARCHAR2(10)
9	POPULATION_NUMBER A number uniquely identifying a population	NULL	VARCHAR2(4)
10	STRATUM_NUMBER A unique identifier for a stratum within a population/sampling year	NULL	VARCHAR2(2)
11	SAMPLING_YEAR Describes a period within which loads of timber are attributed to a particular stratum within a population <i>This column is specified as Number (5) due to the use of legacy tables during the original implementation of HBS Phase 1</i>	NULL	NUMBER(5)
12	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NULL	VARCHAR2(6)
13	TIMBER_BRAND This describes the source of a load of lumber as the combination of scale site and district code. This attribute is only used for the following scale events: WSR 4R (Weigh Slip SB4 Rescale) POT 4R (Other Tallies SB4 Rescale)	NULL	VARCHAR2(7)
14	COMPANY_USE_STRATUM For non billable weigh slips a company use stratum is used. This attribute is used instead of a valid Population/Stratum Number/Sampling Year for the following scale events: WSB PS - Weigh Slip Billable Primary Scale (for cruise based or cash sale timber mark) WSB PS - Weigh Slip Billable Primary Departure (for cruise based or cash sale timber mark) WSR RT - Weigh Slip Red Tag - Red Tag WSR RR - Weigh Slip Red Tag - Remote Red Tag WSO 4R - Weigh Slip Other - SB4 Rescale WSO DP - Weigh Slip Other - Departure	NULL	VARCHAR2(8)
15	PRIMARY_QUANT_LIC_TYPE_CD A code that indicates the type of license for the scaler responsible for the scale data recorded on a scale	NULL	VARCHAR2(1)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	return. For example, a type may be: Scaling license, Cruise license, or Residue Survey license. <i>This data item is no longer required as a result of the SCS rewrite, and the retirement of the QUANT LICNECE table</i>		
16	PRIMARY_LICENSE_NUMBER	NULL	VARCHAR2(4)
	A number used to uniquely identify each scaler who is registered with the Ministry.		
17	SECONDARY_QUANT_LIC_TYPE_CD	NULL	VARCHAR2(1)
	A code that indicates the type of license for a scaler who assisted in collecting scale data for a scale return. For example, a type may be: Scaling license, Cruise license, or Residue Survey license. <i>This data item is no longer required as a result of the SCS rewrite, and the retirement of the QUANT LICNECE table</i>		
18	SECONDARY_LICENSE_NUMBER	NULL	VARCHAR2(4)
	A number used to uniquely identify each scaler who is registered with the Ministry.		
19	SIGNING_QUANT_LIC_TYPE_CD	NULL	VARCHAR2(1)
	A code that indicates the type of license for the scaler who provided the digital signature for a scale return. For example, a type may be: Scaling license, Cruise license, or Residue Survey license. <i>This data item is no longer required as a result of the SCS rewrite, and the retirement of the QUANT LICNECE table</i>		
20	SIGNING_LICENSE_NUMBER	NULL	VARCHAR2(4)
	A number used to uniquely identify each scaler who is registered with the Ministry.		
21	WEIGH_SLIP_NUMBER	NOT NULL	VARCHAR2(10)
	A sequential number that should uniquely identifies a load of timber weighed at a scale site <i>A weigh slip number may not be unique over time as it may be reset.</i>		
22	GROSS_WEIGHT	NULL	NUMBER(6)
	The weight of the truck and its contents		
23	HBS_SAMPLE_TYPE_CODE	NULL	VARCHAR2(1)
	A code used to identify the type of sample taken for a Weigh Slip e.g. N None C Company Use F Forced R Random		
24	TARE_WEIGHT	NULL	NUMBER(6)
	The weight of the truck empty		
25	SAMPLE_DEDUCTION_WEIGHT	NULL	NUMBER(6)
	Used to record the weight of a portion of a load being sampled when a 'grapple' sample is to be performed. <i>Grapple samples are done when the load of logs is very homogenous (i.e. every log is very similar). The scale may chose not to unload the entire truck, but instead unloads a subset of the load for sample scaling.</i>		
26	ORIGINAL_VERSION_IND	NOT NULL	VARCHAR2(1)
	Indicates that the version was the original version recieved by HBS <i>A scale return's version may be prior to the version identified as the original</i>		
27	VALID_SIGNATURE_IND	NOT NULL	VARCHAR2(1)
	A flag indicating if the detail scale document was assigned a valid digital signature.		
28	ACTIVE_VERSION_IND	NOT NULL	VARCHAR2(1)
	Indicates that a version is the active version of interest to application processes		
29	FIELD_SCALE_IND	NULL	VARCHAR2(1)
	Flags the scale return as having been previously billed on a field scale.		
30	FIELD_SCALE_DECK_ID	NULL	VARCHAR2(1)
	Identifies a deck of timber (i.e. pile of logs) being field scaled (i.e. volume estimate)		
31	TRANSPORT_IDENTIFIER	NULL	VARCHAR2(16)
	Identifies the transport mechanism that delivered the load of logs to a scale site e.g. Truck - license plate Boom - boom number etc...		
32	INCOMING_LDS_NUMBER	NULL	VARCHAR2(10)
	The load description slip identifier captured from the load description slip document that accompanied a load of timber upon arrival at a scale site.		
33	OUTGOING_LDS_NUMBER	NULL	VARCHAR2(10)

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	The load description slip for a load of timber (or possibly other material) that is departing from a scale site for a nother destination.		
34	DESTINATION	NULL	VARCHAR2(4)
	A destination of a load of timber (or possibly other material) that has been weighed and is departing the scale site		
35	WEIGH_SLIP_COMMENT	NULL	VARCHAR2(240)
	A free form text attribute for capturing additional information about a detail scale return		
36	ENCRYPTED_AUTH_KEY	NULL	NUMBER(10)
	A character string generated scaling software to uniquely identify a detail scale document as having been created by a specific scaler.		
	<i>The encrypted authorization key, or digital signature is generated from the scaler's authentication key</i>		
37	HASH_TOTAL	NULL	NUMBER(10)
	A number generated, by the submitting scale document application, by an algorithm applied to every character of required data in a detail scale document.		
	<i>The hashtotal alogrithm can be reapplied to the detailed scale document upon receipt, the resulting value can be compared to the original 'hash total' value to ensure that the document has not been altered.</i>		
38	DTL_DOC_SEQ	NOT NULL	NUMBER(32)
	Tracks the sequence that the document version was inserted		
	<i>This is a physical attribute for the purposes of implementing anomaly processing</i>		
39	INPUT_SECONDARY_SCALER_LIC	NULL	VARCHAR2(4)
	A "scaler licence" supplied on the source document, identifying a secondary scaler who may have participated in the recording of a scaling event.		
	<i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "scaler licence" relationship</i>		
40	INPUT_CUTBLOCK_ID	NULL	VARCHAR2(10)
	An input text string used to identify the cut block where the timber scaled on a detail scale return was harvested. If valid it will be moved to the cut block id with RI		
	<i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "cut block id" relationship</i>		
41	INPUT_PRIMARY_SCALER_LIC	NULL	VARCHAR2(4)
	A "scaler licence" supplied on the source document, identifying the primary scaler responsible for recording a scaling event.		
	<i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "scaler licence" relationship</i>		
42	INPUT_SOURCE	NULL	VARCHAR2(7)
	Identifies the source of the timber scaled on a detail scale return as either a Timber Mark or a Timber Brand, depending on the scale return 'scale event type code'.		
	The Input source represents a Timber Mark for the following scale events:		
	- Weigh Slip		
	Primary scale		
	Sample scale		
	Remote scale		
	Primary departure		
	Red Tag		
	Remote red tag		
	- Piece Scaled Log Tally		
	Primary scale		
	From site deck		
	Red Tag		
	Remote red tag		
	Piece Check Scale		
	Sample scale		
	Remote sample scale		
	Sample check scale		
	- Site ledger (Arrival)		
	Primary scale		

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

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
	To site deck		
	From site deck		
	Remote sample scale		
	Remote red tag		
	- Site ledger (Departure)		
	n/a		
	The Input source represents a Timber Brand for the following scale events:		
	- Weigh Slip		
	SB4 rescale		
	- Piece Scaled Log Tally		
	SB4 rescale		
	- Site ledger (Arrival)		
	Scaled Before		
	SB4 rescale		
	- Site ledger (Departure)		
	n/a		
	<i>This attribute is used to capture information that may not permit referential integrity to be resolved for the Timber Mark relationship where required based on the scale event type.</i>		
43	INPUT_PSY The Timber Brand must be validated against the Timber Brand attribute on the Scale_Site entity The population/stratum/sampling year supplied on the weight scale detail scale document. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "population/stratum/sampling year" component of the relationship to the Stratum entity</i>	NULL	VARCHAR2(8)
44	INPUT_SCALE_SITE An text string in the scale dcoument used to identify the scale site at which a load of timber was scaled. <i>This input field requires validation before it can be copied to the scale documents 'scale site' foreign key field</i>	NULL	VARCHAR2(4)
45	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
46	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
47	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
48	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE
49	INPUT_SIGNING_SCALER_LIC A "scaler licence" supplied on the source document, indicating which scaler, primary or secondary, 'signed' the scale document. <i>This attribute is used to capture source information that may not permit referential integrity to be resolved for the "scaler licence" relationship</i>	NULL	VARCHAR2(4)

Foreign Keys:

WSDR_PRIMARY_SCLR_FK
 PRIMARY_LICENSE_NUMBER = SCALER.SCALER_LICENCE_NO
 WSDR_SECONDARY_SCLR_FK
 SECONDARY_LICENSE_NUMBER = SCALER.SCALER_LICENCE_NO
 WSDR_SIGNING_SCLR_FK
 SIGNING_LICENSE_NUMBER = SCALER.SCALER_LICENCE_NO
 WST_BATDOC_FK
 BATDOC_ID = DTL_DOC_BATCH_DOCUMENT.BATDOC_ID
 WST_DTLSCLDOC_FK
 DETAIL_DOCUMENT_NUMBER = DETAIL_SCALE_DOCUMENT.DETAIL_DOCUMENT_NUMBER
 WST_SETC_FK
 SCALE_EVENT_TYPE_CODE = SCALE_EVENT_TYPE_CODE.SCALE_EVENT_TYPE_CODE
 WST_SMPLTYPECD_FK
 HBS_SAMPLE_TYPE_CODE = HBS_SAMPLE_TYPE_CODE.HBS_SAMPLE_TYPE_CODE

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

WST_SRVERSTATE_FK
 SCL_RTN_VERSION_STATE_CODE = SCL_RTN_VERSION_STATE_CODE.SCL_RTN_VERSION_STATE_CODE
 WST_SS_FK
 SCALE_SITE_ID_NMBR = SCALE_SITE.SCALE_SITE_ID_NMBR
 WST_STRATUM_FK
 POPULATION_NUMBER = STRATUM.POPULATION_NUMBER
 SAMPLING_YEAR = STRATUM.SAMPLING_YEAR
 STRATUM_NUMBER = STRATUM.STRATUM_NUMBER
 WST_TM_FK
 TIMBER_MARK = TIMBER_MARK.TIMBER_MARK

Indexes:

WST_BATDOC_FK_I
 BATDOC_ID
 WST_DTLSCLDOC_FK_I
 DETAIL_DOCUMENT_NUMBER
 WST_SCA_ALSO_SCALED_BY_FK_I
 SECONDARY_LICENSE_NUMBER
 WST_SCA_FK_I
 PRIMARY_LICENSE_NUMBER
 WST_SCA_SIGNED_BY_FK_I
 SIGNING_LICENSE_NUMBER
 WST_SETC_FK_I
 SCALE_EVENT_TYPE_CODE
 WST_SMPLTYPECD_FK_I
 HBS_SAMPLE_TYPE_CODE
 WST_SRVERSTATE_FK_I
 SCL_RTN_VERSION_STATE_CODE
 WST_SS_FK_I
 SCALE_SITE_ID_NMBR
 WST_STRATUM_FK_I
 POPULATION_NUMBER
 SAMPLING_YEAR
 STRATUM_NUMBER
 WST_TM_FK_I
 TIMBER_MARK

Notes:

The truck is usually weighed both loaded (gross weight) and empth (tare weight) to determine the weight of the logs (or other material) being transported (net weight)

Table: WEIGH_SLIP_ERROR*Description:*

Records all errors encountered during edit events.

Records errors encountered during edit events for detail weigh slip scale documents

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	ERROR_ID	NOT NULL	NUMBER(32)
	Surrogate key for uniquely identifying an error		
2	HBS_EDIT_ERR_MESSAGE_CODE	NOT NULL	VARCHAR2(6)
	A code used to identify an error message that an edit event may generate		
3	HBS_EDIT_ERR_CATEGORY_CODE	NOT NULL	VARCHAR2(3)
	A code used to identify an error category for an edit error		
4	DETAIL_DOCUMENT_NUMBER	NOT NULL	VARCHAR2(13)
	A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.		
5	VERSION	NOT NULL	NUMBER(2)
	Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.		
6	ERROR_TIMESTAMP	NOT NULL	DATE
	Date and time at which the error message was generated		

Foreign Keys:

WSERROR_EEMC_FK

HBS_EDIT_ERR_MESSAGE_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE = HBS_EDIT_ERR_MESSAGE_CODE.HBS_EDIT_ERR_CATEGORY_CODE

WSERROR_WST_FK

DETAIL_DOCUMENT_NUMBER = WEIGH_SLIP.DETAIL_DOCUMENT_NUMBER

VERSION = WEIGH_SLIP.VERSION

Indexes:

WSERROR_EEMC_FK_I

HBS_EDIT_ERR_MESSAGE_CODE

HBS_EDIT_ERR_CATEGORY_CODE

WSERROR_WST_FK_I

DETAIL_DOCUMENT_NUMBER

VERSION

Table: WEIGH_SLIP_TXN**Description:**

Captures derived detail scale document data generated during the processing of a detail scale document version
 Captures derived detail scale document data generated during the processing of a detail scale document version for billable detail document types
 A subtype of Detail Scale Document Version Txn...
 A record of a processing transaction applied against a weight scaled detail scale document version.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DTL_TXN_ID A generated unique identifier for the a detail scale return transaction	NOT NULL	NUMBER(32)
2	HBS_TXN_STATUS_CODE A code used to describe the current state of a summary scale return transaction	NOT NULL	VARCHAR2(3)
3	HBS_TXN_TYPE_CODE A code used to identify the type of transaction generated for a summary scale return version	NOT NULL	VARCHAR2(3)
4	INTEREST_REVERSAL_IND Indicates that a detail transaction will require interest reversal processing (Only applies to cancellations)	NULL	VARCHAR2(1)
5	DOCUMENT_CONTROL_NUMBER Uniquely identifies a scale return	NOT NULL	NUMBER(10)
6	SUMMARY_DOCUMENT_VERSION Identifies the version of a summary scale return. A new version is created when the scale return is replaced with changes.	NOT NULL	NUMBER(10)
7	DETAIL_DOCUMENT_NUMBER A unique identifier for a scale document that is constructed from certain key values of contained in the document. The composition of the identifier is different for weigh slip and log tally documents. The Detail Document Number definition can be found in the HBS PHASE 2B TECHNICAL SPECIFICATION FOR INDUSTRY - section 5.1.1.1.	NOT NULL	VARCHAR2(13)
8	DETAIL_DOCUMENT_VERSION Identifies the version of a detail scale return. A new version is created when a detail scale return is modified.	NOT NULL	NUMBER(2)
9	DTL_TXN_ID_CANCELLED_BY A generated unique identifier for the a detail scale return transaction	NULL	NUMBER(32)
10	EVENT_SEQUENCE This is the sequence, repeating for each summary scale return version, that identifies the sequence of events for which transactions have been applied to a summary scale return version. e.g, transaction sequences for a return can be... 1 original 2 cancelled 3 replaced (this is the case where the return is cancelled and replaced at a later date resulting from 3 seperate user requests or cancelled and replaced with changes resulting from a single user request) or 1 original 2 cancelled 2 replaced (this is the case where the return is cancelled and replaced without changes resulting from a single user request)	NOT NULL	NUMBER(1)
11	DEBIT_CREDIT_TYPE Indicates if a transaction results in a debit (+) or credit (-) movement	NOT NULL	VARCHAR2(2)
12	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
13	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
14	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
15	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

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

WSTXN_HBSTSC_FK
HBS_TXN_STATUS_CODE = HBS_TXN_STATUS_CODE.HBS_TXN_STATUS_CODE
WSTXN_HBSTTC_FK
HBS_TXN_TYPE_CODE = HBS_TXN_TYPE_CODE.HBS_TXN_TYPE_CODE
WSTXN_WSSMRY_FK
DOCUMENT_CONTROL_NUMBER = WEIGHT_SCALE_SUMMARY.DOCUMENT_CONTROL_NUMBER
SUMMARY_DOCUMENT_VERSION = WEIGHT_SCALE_SUMMARY.VERSION
WSTXN_WSTXN_FK
DTL_TXN_ID_CANCELLED_BY = WEIGH_SLIP_TXN.DTL_TXN_ID
WSTXN_WST_FK
DETAIL_DOCUMENT_NUMBER = WEIGH_SLIP.DETAIL_DOCUMENT_NUMBER
DETAIL_DOCUMENT_VERSION = WEIGH_SLIP.VERSION

Indexes:

WSTXN_HBSTSC_FK_I
HBS_TXN_STATUS_CODE
WSTXN_HBSTTC_FK_I
HBS_TXN_TYPE_CODE
WSTXN_WSSMRY_FK_I
DOCUMENT_CONTROL_NUMBER
SUMMARY_DOCUMENT_VERSION
WSTXN_WSTXN_FK_I
DTL_TXN_ID_CANCELLED_BY
WSTXN_WST_FK_I
DETAIL_DOCUMENT_NUMBER
DETAIL_DOCUMENT_VERSION

Table: WEIGH_SLIP_TXN_SEG**Description:**

Captures derived data being applied to detail scale document transaction segregations

Records the results of the processing of a weigh slip which calculates segregation volumes based on samples taken for the loads associated stratum.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	DTL_TXN_SEG_ID A unique identifier (surrogate) for a transaction segregation record	NOT NULL	NUMBER(32)
2	SCALE_GRADE_CODE A code used to identify a grade of timber	NOT NULL	VARCHAR2(1)
3	SCALE_PRODUCT_CODE A code used to identify a type of timber product	NOT NULL	VARCHAR2(2)
4	SCALE_SPECIES_CODE A code used to identify a type of tree species	NOT NULL	VARCHAR2(2)
5	DTL_TXN_ID A generated unique identifier for the a detail scale return transaction	NOT NULL	NUMBER(32)
6	TXN_SEG_ID	NULL	NUMBER(32)
7	PRORATED_VOLUME The prorated volume of the whole summarized bill that can be attributed to a segregation from a specific load that comprised the summary transaction	NOT NULL	NUMBER(15,3)
8	PRORATED_VALUE The prorated value of the whole summarized bill that can be attributed to a segregation from a specific load that comprised the summary transaction	NOT NULL	NUMBER(15,2)
9	RATE The rate, in dollars, that a segregation was billed at	NULL	NUMBER(6,2)
10	RATE_SOURCE Identifies the source of the rate with regard to the 'logic' path taken, and decisions made, by the price lookup function in obtaining or determining an appropriate rate.	NULL	VARCHAR2(40)
11	WEIGHT_X_RATE Records the year to date total weight multiplied by the rate applied to a segregation	NULL	NUMBER(16,2)
12	RESERVE_STMPG_RATE_COMPONENT The portion of the segregation rate attributed to the reserve stumpage rate component	NULL	NUMBER(6,2)
13	BONUS_BID_RATE_COMPONENT The portion of the segregation rate attributed to the bonus bid rate component	NULL	NUMBER(6,2)
14	DEV_LEVY_RATE_COMPONENT The portion of the segregation rate attributed to the development levy rate component	NULL	NUMBER(6,2)
15	SILV_LEVY_RATE_COMPONENT The portion of the segregation rate attributed to the silviculture levy rate component	NULL	NUMBER(6,2)
16	RESERVE_STMPG_AMOUNT_COMPONENT The portion of the segregation value amount attributed to the reserve stumpage rate component	NULL	NUMBER(15,2)
17	BONUS_BID_AMOUNT_COMPONENT The portion of the segregation value amount attributed to the bonus bid rate component	NULL	NUMBER(15,2)
18	DEV_LEVY_AMOUNT_COMPONENT The portion of the segregation value amount attributed to the development levy rate component	NULL	NUMBER(15,2)
19	SILV_LEVY_AMOUNT_COMPONENT The portion of the segregation value amount attributed to the silviculture levy rate component	NULL	NUMBER(15,2)
20	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
21	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
22	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
23	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

DWSTXNSEG_SSPGXREF_FK

SCALE_SPECIES_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_SPECIES_CODE

SCALE_PRODUCT_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_PRODUCT_CODE

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

SCALE_GRADE_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_GRADE_CODE
DWSTXNSEG_WSTXNSEG_FK
TXN_SEG_ID = WEIGHT_SCL_TXN_SEGREGATION.TXN_SEG_ID
DWSTXNSEG_WSTXN_FK
DTL_TXN_ID = WEIGH_SLIP_TXN.DTL_TXN_ID

Indexes:

DWSTXNSEG_SSPGXREF_FK_I
SCALE_SPECIES_CODE
SCALE_PRODUCT_CODE
SCALE_GRADE_CODE
DWSTXNSEG_WSTXN_FK_I
DTL_TXN_ID

Notes:

The billing process results in sampled segregation ratios being applied to the weigh slip's net weight in order to calculate a volume for each species/grade that has been sampled for the stratum.

Table: WGT_SCL_INVOICE*Description:*

This table contains information that is unique to all Weight Scale Invoices.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	INVOICE_NUMBER The Invoice Number is a character string that appears on each printed invoice and uniquely identifies that invoice.	NOT NULL	VARCHAR2(7)
* 2	CANCELLATION_IND This attribute is used to identify invoices that are cancelling an invoice with the same Invoice_Number. It is set to "Y" only for a Piece Scale R2 transaction (Cancel and Replace). All other billing transactions are defaulted to "N".	NOT NULL	VARCHAR2(1)

Table: WS_INVOICE_DTL*Description:*

This table contains the invoice amounts at a species segregation level for Weight Scale Invoices.

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	INVOICE_NUMBER The Invoice Number is a character string that appears on each printed invoice and uniquely identifies that invoice.	NOT NULL	VARCHAR2(7)
* 2	CANCELLATION_IND This attribute is used to identify invoices that are cancelling an invoice with the same Invoice_Number. It is set to "Y" only for a Piece Scale R2 transaction (Cancel and Replace). All other billing transactions are defaulted to "N".	NOT NULL	VARCHAR2(1)
* 3	HDBS_TREE_SPECIES A code that identifies the species of log or material being invoiced.	NOT NULL	VARCHAR2(2)
* 4	LOG_GRADE A code that indicates the overall quality of the timber and thus infers a certain value.	NOT NULL	VARCHAR2(1)
* 5	WEIGHT_REF_NUMBER A number ranging from 1 to 4 assigned by the Weight Scale billing process to identify logs scaled at a specific weight and rate for a given billing time period. It is also used to identify cancelling detail from adjusting detail.	NOT NULL	NUMBER(5)

Table: YTD_CYCLIC_BILLING*Description:*

Captures year-to-date billing information for a specific combination of stratum and timber mark

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SAMPLING_YEAR Describes a period within which loads of timber are attributed to a particular stratum within a population <i>This column is specified as Number (5) due to the use of legacy tables during the original implementation of HBS Phase 1</i>	NOT NULL	NUMBER(5)
* 2	POPULATION_NUMBER A number uniquely identifying a population	NOT NULL	VARCHAR2(4)
* 3	STRATUM_NUMBER A unique identifier for a stratum within a population/sampling year	NOT NULL	VARCHAR2(2)
* 4	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NOT NULL	VARCHAR2(6)
5	YTD_WEIGHT The sum total of the year-to-date weight billed against a stratum / timber_mark	NOT NULL	NUMBER(14)
6	FINAL_BILL_IND	NOT NULL	VARCHAR2(1)
7	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
8	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
9	UPDATE_USERID The USERID of the individual who last updated the information.	NULL	VARCHAR2(30)
10	UPDATE_TIMESTAMP The date and time the record was last modified.	NULL	DATE

Foreign Keys:

YTDCB_STRATUM_FK
 POPULATION_NUMBER = STRATUM.POPULATION_NUMBER
 SAMPLING_YEAR = STRATUM.SAMPLING_YEAR
 STRATUM_NUMBER = STRATUM.STRATUM_NUMBER
 YTDCB_TM_FK
 TIMBER_MARK = TIMBER_MARK.TIMBER_MARK

Indexes:

YTDCB_STRATUM_FK_I
 POPULATION_NUMBER
 SAMPLING_YEAR
 STRATUM_NUMBER
 YTDCB_TM_FK_I
 TIMBER_MARK

Table: YTD_CYCLIC_BILLING_SEG**Description:**

Captures segregation level year-to-date billing information for a specific combination of stratum and timber mark

Columns:

<u>Seq.</u>	<u>Column</u>	<u>Nulls?</u>	<u>Type</u>
* 1	SAMPLING_YEAR Describes a period within which loads of timber are attributed to a particular stratum within a population <i>This column is specified as Number (5) due to the use of legacy tables during the original implementation of HBS Phase 1</i>	NOT NULL	NUMBER(5)
* 2	POPULATION_NUMBER A number uniquely identifying a population	NOT NULL	VARCHAR2(4)
* 3	STRATUM_NUMBER A unique identifier for a stratum within a population/sampling year	NOT NULL	VARCHAR2(2)
* 4	TIMBER_MARK Unique identifying set of characters to be stamped or marked on the end of each log to associate the log with the specific authority to harvest and move timber.	NOT NULL	VARCHAR2(6)
* 5	SCALE_SPECIES_CODE	NOT NULL	VARCHAR2(2)
* 6	SCALE_PRODUCT_CODE	NOT NULL	VARCHAR2(2)
* 7	SCALE_GRADE_CODE	NOT NULL	VARCHAR2(1)
8	YTD_WEIGHT_X_RATE The sum total at the segregation level of the year-to-date weight-times-rate calculations for a stratum / timber_mark / species / product (log) / grade	NOT NULL	NUMBER(16,2)
9	YTD_VOLUME The sum total at the segregation level of the year-to-date volume calculations for a stratum / timber_mark / species / product (log) / grade	NOT NULL	NUMBER(16,3)
10	YTD_VALUE The sum total at the segregation level of the year-to-date value calculations for a stratum / timber_mark / species / product (log) / grade	NOT NULL	NUMBER(16,2)
11	ENTRY_USERID The USERID of the individual who entered the information.	NOT NULL	VARCHAR2(30)
12	ENTRY_TIMESTAMP The date and time on which the record was created.	NOT NULL	DATE
13	UPDATE_USERID The identifier of the last user or process to updated a record	NULL	VARCHAR2(30)
14	UPDATE_TIMESTAMP The date and time of the last update to a record	NULL	DATE

Foreign Keys:

YTDCBSEG_SSPGXREF_FK
 SCALE_GRADE_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_GRADE_CODE
 SCALE_SPECIES_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_SPECIES_CODE
 SCALE_PRODUCT_CODE = SPECIES_PRODUCT_GRADE_XREF.SCALE_PRODUCT_CODE
 YTDCBSEG_YTDCB_FK
 POPULATION_NUMBER = YTD_CYCLIC_BILLING.POPULATION_NUMBER
 SAMPLING_YEAR = YTD_CYCLIC_BILLING.SAMPLING_YEAR
 STRATUM_NUMBER = YTD_CYCLIC_BILLING.STRATUM_NUMBER
 TIMBER_MARK = YTD_CYCLIC_BILLING.TIMBER_MARK

Indexes:

YTDCBSEG_YTDCB_FK_I
 POPULATION_NUMBER
 SAMPLING_YEAR
 STRATUM_NUMBER
 TIMBER_MARK