

Oracle Designer

Report : TABLE DEFINITION
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Parameter Values

Workarea : GLOBAL SHARED WORKAREA
Container : NVAF
Container Version :
Recurse Sub-Containers : N
Tab/View/Snap Name : %
Diagram :

Includes
Tables : Yes
Views : Yes
Snapshots : Yes
Column Details : Yes

Tables Created
On/After :
and On/Before : 05 May 2006

Tables Changed
On/After :
On/Before : 05 May 2006

Table Definition

Container : NVAF Version :

Table Name : VDHH_ACTUAL_TRLDR_PATHOLOGY Alias : TLP_1
 Display Title : Nvaf Tree Leader Pathology

Description : Details of a pathology associated with a tree.

Notes : From DVHand Tr_Path.dbf

User/Help Text : Details of a pathology associated with a tree.

Volumes

Start Rows : 0 End Rows : 0

Storage

Index-organized ? No

Column Summary

<u>Col.Seq.</u>	<u>Column</u>	<u>Nulls ?</u>	<u>Type</u>
1	PATH_ID	NOT NULL	NUMBER (2)
2	WIDTH	NOT NULL	NUMBER (5, 1)
3	HT_TO_PATH_IND_END	NOT NULL	NUMBER (6, 2)
4	VATP_TYPE	NOT NULL	VARCHAR2 (4)
5	HT_TO_PATH_IND_START	NOT NULL	NUMBER (6, 2)
6	TL_TR_TREE_NO	NOT NULL	NUMBER (4)
7	TL_TR_PLT_SMP_SAMPLE_ID	NOT NULL	NUMBER (10, 0)
8	TL_TR_PLT_PLOT_NO	NOT NULL	NUMBER (2)
9	TL_TR_PLT_PLOT_COUNT_ID	NOT NULL	VARCHAR2 (1)
10	TL_TREE_LEADER_NO	NOT NULL	NUMBER (1)

Primary Key

<u>Name</u>	<u>Column</u>
TLP_PK	TL_TR_PLT_PLOT_COUNT_ID TL_TR_TREE_NO TL_TREE_LEADER_NO TL_TR_PLT_SMP_SAMPLE_ID TL_TR_PLT_PLOT_NO PATH_ID

Column Detail

1 PATH_ID
 Optional ? :No ; Number (2) ;() ; ; Uppercase ? :No ;
Notes Pathology ID. No business meaning. Unique within a leader?

Table Definition

Container : NVAF Version :

Foreign Keys

TLP_1_TL_1_FK

TL_TREE_LEADER_NO references VDHH_TREE_LEADERS.TREE_LEADER_NO
 TL_TR_TREE_NO references VDHH_TREE_LEADERS.TR_TREE_NO
 TL_TR_PLT_PLOT_NO references VDHH_TREE_LEADERS.TR_PLT_PLOT_NO
 TL_TR_PLT_SMP_SAMPLE_ID references
 VDHH_TREE_LEADERS.TR_PLT_SMP_SAMPLE_ID
 TL_TR_PLT_PLOT_COUNT_ID references
 VDHH_TREE_LEADERS.TR_PLT_PLOT_COUNT_ID
 Transferable ? Yes Update Rule : Restricted
 Mandatory ? Yes Delete Rule : Restricted

Index Summary

<u>Name</u>	<u>Seq.</u>	<u>Column</u>	<u>Index Type</u>
TLP_TL_FK_I	10	TL_TREE_LEADER_NO	NOT UNIQUE
TLP_TL_FK_I	20	TL_TR_TREE_NO	NOT UNIQUE
TLP_TL_FK_I	30	TL_TR_PLT_PLOT_NO	NOT UNIQUE
TLP_TL_FK_I	40	TL_TR_PLT_SMP_SAMPLE_ID	NOT UNIQUE
TLP_TL_FK_I	50	TL_TR_PLT_PLOT_COUNT_ID	NOT UNIQUE

Column Detail

- 2 WIDTH
- Optional ? :No ; Number (5, 1) ;() ; ; Uppercase ? :No ;
- Notes Width of the pathology (cm).
- 3 HT_TO_PATH_IND_END
- Optional ? :No ; Number (6, 2) ;() ; ; Uppercase ? :No ;
- Notes The height from the ground along the bole to the point at which the pathological indicator ends (metres).
- 4 VATP_TYPE
- Optional ? :No ; Varchar2 (4) ;() ; ; Uppercase ? :No ;
- Notes Type of pathology.
- 5 HT_TO_PATH_IND_START
- Optional ? :No ; Number (6, 2) ;() ; ; Uppercase ? :No ;
- Notes The height from the ground along the bole to the highest point at which the pathological indicator starts (metres).
- 6 TL_TR_TREE_NO
- Optional ? :No ; Number (4) ;() ; ; Uppercase ? :No ;
- Notes Tree number. No business meaning.
- 7 TL_TR_PLT_SMP_SAMPLE_ID
- Optional ? :No ; Number (10, 0) ;() ; ; Uppercase ? :No ;

Table Definition

Container : NVAF Version :

Column Detail

8	TL_TR_PLT_PLOT_NO	
	Optional ? :No ; Number (2) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Plot number
9	TL_TR_PLT_PLOT_COUNT_ID	
	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Count Plot ID. Must be A, B, or F(ull).
10	TL_TREE_LEADER_NO	
	Optional ? :No ; Number (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Tree leader number. Primary leader = 1, secondary leader = 2, etc.

Container : NVAFVersion :

Table Name : VDHH_EST_TREE_PATHOLOGYAlias : NSTP
Display Title : Nvaf Standing Tree Pathology

Description : Details of a pathology associated with a tree.

Notes : From DVHand Tr_Path.dbf

User/Help Text : Details of a pathology associated with a tree.

Volumes

Start Rows :End Rows :

Storage

Index-organized ? No

Column Summary

Col.Seq.	Column	Nulls ?	Type
1	EST_HT_TO_PATH_IND_END	NOT NULL	NUMBER (6, 2)
2	PATH_ID	NOT NULL	NUMBER (2)
3	EST_WIDTH	NOT NULL	NUMBER (5, 1)
4	EST_HT_TO_PATH_IND_START	NOT NULL	NUMBER (6, 2)
4	EST_TYPE	NOT NULL	VARCHAR2 (4)
6	TR_PLT_SMP_SAMPLE_ID	NOT NULL	NUMBER (10, 0)
7	TR_TREE_NO	NOT NULL	NUMBER (4)
8	TR_PLT_PLOT_COUNT_ID	NOT NULL	VARCHAR2 (1)
9	TR_PLT_PLOT_NO	NOT NULL	NUMBER (2)

Primary Key

Name	Column
NSTP_PK	TR_TREE_NO TR_PLT_PLOT_NO TR_PLT_PLOT_COUNT_ID TR_PLT_SMP_SAMPLE_ID PATH_ID

Column Detail

1	EST_HT_TO_PATH_IND_END	
	Optional ? :No ;	Number (6, 2) ;() ; ; Uppercase ? :No ;
	Notes	The height from the ground along the bole to the point at which the pathological indicator ends (metres).
2	PATH_ID	

Table Definition

Container : NVAF Version :

Foreign Keys

NSTP_TR_1_FK

TR_PLT_SMP_SAMPLE_ID references VDHH_TREES.PLT_SMP_SAMPLE_ID
 TR_PLT_PLOT_NO references VDHH_TREES.PLT_PLOT_NO
 TR_PLT_PLOT_COUNT_ID references VDHH_TREES.PLT_PLOT_COUNT_ID
 TR_TREE_NO references VDHH_TREES.TREE_NO
 Transferable ? Yes Update Rule : Restricted
 Mandatory ? Yes Delete Rule : Restricted

Index Summary

<u>Name</u>	<u>Seq.</u>	<u>Column</u>	<u>Index Type</u>
NSTP_TR_1_FK_I	1000	TR_PLT_SMP_SAMPLE_ID	NOT UNIQUE
NSTP_TR_1_FK_I	1001	TR_PLT_PLOT_NO	NOT UNIQUE
NSTP_TR_1_FK_I	1002	TR_PLT_PLOT_COUNT_ID	NOT UNIQUE
NSTP_TR_1_FK_I	2003	TR_TREE_NO	NOT UNIQUE

Column Detail

Optional ? :No ; Number (2) ;() ; ; Uppercase ? :No ;
Notes Pathology ID. No business meaning.

3 EST_WIDTH
 Optional ? :No ; Number (5, 1) ;() ; ; Uppercase ? :No ;
Notes Width of the pathology (cm).

4 EST_HT_TO_PATH_IND_START
 Optional ? :No ; Number (6, 2) ;() ; ; Uppercase ? :No ;
Notes The height from the ground along the bole to the highest point at which the pathological indicator starts (metres).

4 EST_TYPE
 Optional ? :No ; Varchar2 (4) ;() ; ; Uppercase ? :No ;
Notes Type of pathology.

6 TR_PLT_SMP_SAMPLE_ID
 Optional ? :No ; Number (10, 0) ;() ; ; Uppercase ? :No ;

7 TR_TREE_NO
 Optional ? :No ; Number (4) ;() ; ; Uppercase ? :No ;
Notes Tree number. No business meaning.

8 TR_PLT_PLOT_COUNT_ID
 Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;
Notes Count Plot ID. Must be A, B, or F(ull).

Table Definition

Container : NVAF Version :

Column Detail

9 TR_PLT_PLOT_NO

Optional ? :No ; Number (2) ;() ; ; Uppercase ? :No ;

Notes Plot number

Table Definition

Container : NVAF Version :

Table Name : VDHH_LAYERS Alias : LYR_1
 Display Title : Nvaf Layers

Description : Stand composition information relating to the sample as a whole

Notes : From DVHost Sa_Layer.dbf

User/Help Text : Stand composition information relating to the sample as a whole

Volumes

Start Rows : 0 End Rows : 0

Storage

Index-organized ? No

Column Summary

<u>Col.Seq.</u>	<u>Column</u>	<u>Nulls ?</u>	<u>Type</u>
1	RELATIVE_DENSITY	NULL	NUMBER (5)
2	AIR_CROWN_CLOSURE_PCT	NULL	NUMBER (3)
3	LAYER_ID	NOT NULL	VARCHAR2 (1)
4	STAND_STRUCTURE	NULL	VARCHAR2 (1)
5	GROUND_CROWN_CLOSURE_PCT	NULL	NUMBER (3)
6	SMP_SAMPLE_ID	NOT NULL	NUMBER (10, 0)

Primary Key

<u>Name</u>	<u>Column</u>
LYR_PK	SMP_SAMPLE_ID LAYER_ID

Foreign Keys

LYR_1_SMP_1_FK
 SMP_SAMPLE_ID references VDHH_SAMPLES.SAMPLE_ID
 Transferable ? Yes Update Rule : Restricted
 Mandatory ? Yes Delete Rule : Restricted

Index Summary

<u>Name</u>	<u>Seq.</u>	<u>Column</u>	<u>Index Type</u>
LYR_SMP_FK_I	1	SMP_SAMPLE_ID	NOT UNIQUE

Column Detail

Container : NVAF Version :

Column Detail

- 1 RELATIVE_DENSITY
Optional ? :Yes ; Number (5) ;() ; ; Uppercase ? :No ;
Notes Relative density
- 2 AIR_CROWN_CLOSURE_PCT
Optional ? :Yes ; Number (3) ;() ; ; Uppercase ? :No ;
Notes Crown Closure % as viewed from the aerial photo
- 3 LAYER_ID
Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;
Notes Layer number
- 4 STAND_STRUCTURE
Optional ? :Yes ; Varchar2 (1) ;() ; ; Uppercase ? :No ;
Notes Stand structure
- 5 GROUND_CROWN_CLOSURE_PCT
Optional ? :Yes ; Number (3) ;() ; ; Uppercase ? :No ;
Notes Crown Closure % as viewed from the ground
- 6 SMP_SAMPLE_ID
Optional ? :No ; Number (10, 0) ;() ; ; Uppercase ? :No ;

Table Definition

Container : NVAF Version :

Table Name : VDHH_LAYER_SPP_COMPOSITION	Alias : LSC_1
	Display Title : Nvaf Layer Spp Composition

Description : Tree species composition of a given layer within a sample

Notes : From SA_LAYER_SL_SPECIE1-7, SA_LAYER_SL_SPPCT1-7 and
SA_LAYER_SL_PREDOM1-7

User/Help Text : Tree species composition of a given layer within a sample

Volumes

Start Rows : 0 End Rows : 0

Storage

Index-organized ? No

Column Summary

<u>Col.Seq.</u>	<u>Column</u>	<u>Nulls ?</u>	<u>Type</u>
1	TREE_SPP_PCT	NULL	NUMBER (3)
2	TREE_SPP	NOT NULL	VARCHAR2 (3)
3	LYR_LAYER_ID	NOT NULL	VARCHAR2 (1)
4	LYR_SMP_SAMPLE_ID	NOT NULL	NUMBER (10, 0)

Primary Key

<u>Name</u>	<u>Column</u>
LSC_PK	LYR_SMP_SAMPLE_ID
	LYR_LAYER_ID
	TREE_SPP

Foreign Keys

LSC_1_LYR_1_FK

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LYR_LAYER_ID      references  VDHH_LAYERS.LAYER_ID
LYR_SMP_SAMPLE_ID references  VDHH_LAYERS.SMP_SAMPLE_ID
Transferable ?    Yes        Update Rule : Restricted
Mandatory ?       Yes        Delete Rule : Restricted

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Index Summary

<u>Name</u>	<u>Seq.</u>	<u>Column</u>	<u>Index Type</u>
LSC_LYR_FK_I	10	LYR_LAYER_ID	NOT UNIQUE
LSC_LYR_FK_I	20	LYR_SMP_SAMPLE_ID	NOT UNIQUE

Table Definition

Container : NVAF Version :

Column Detail

1	TREE_SPP_PCT
	Optional ? :Yes ; Number (3) ;() ; ; Uppercase ? :No ;
	<u>Notes</u> Tree species percent composition
2	TREE_SPP
	Optional ? :No ; Varchar2 (3) ;() ; ; Uppercase ? :No ;
	<u>Notes</u> Tree species
3	LYR_LAYER_ID
	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;
	<u>Notes</u> Layer number
4	LYR_SMP_SAMPLE_ID
	Optional ? :No ; Number (10, 0) ;() ; ; Uppercase ? :No ;

Table Definition

Container : NVAF Version :

Table Name : VDHH_PLOTS Alias : PLT_1
 Display Title : Nvaf Plots

Description : Information associated with a plot within a sample

Notes : From DVHand Plot.dbf

User/Help Text : Information associated with a plot within a sample

Volumes

Start Rows : 0 End Rows : 0

Storage

Index-organized ? No

Column Summary

<u>Col.Seq.</u>	<u>Column</u>	<u>Nulls ?</u>	<u>Type</u>
1	PLOT_COUNT_ID	NOT NULL	VARCHAR2 (1)
2	ELEVATION	NOT NULL	NUMBER (4)
3	PLOT_NO	NOT NULL	NUMBER (2)
4	SLOPE_PCT	NOT NULL	NUMBER (3)
5	SITE_UNIT	NULL	NUMBER (2)
6	SLOPE_POSITION	NOT NULL	VARCHAR2 (1)
7	ASPECT	NOT NULL	NUMBER (3)
8	SMP_SAMPLE_ID	NOT NULL	NUMBER (10, 0)

Primary Key

<u>Name</u>	<u>Column</u>
PLT_PK	SMP_SAMPLE_ID PLOT_NO PLOT_COUNT_ID

Foreign Keys

PLT_1_SMP_1_FK

SMP_SAMPLE_ID	references	VDHH_SAMPLES.SAMPLE_ID
Transferable ?	Yes	Update Rule : Restricted
Mandatory ?	Yes	Delete Rule : Restricted

Column Detail

1 PLOT_COUNT_ID
 Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;

Table Definition

Container : NVAF Version :

Index Summary

<u>Name</u>	<u>Seq.</u>	<u>Column</u>	<u>Index Type</u>
PLT_SMP_FK_I	1	SMP_SAMPLE_ID	NOT UNIQUE

Column Detail

	<u>Notes</u>	Count Plot ID. Must be A, B, or F(ull).
2	ELEVATION	
	Optional ? :No ; Number (4) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Plot elevation (metres). Must be 0 to 5000 metres.
3	PLOT_NO	
	Optional ? :No ; Number (2) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Plot number
4	SLOPE_PCT	
	Optional ? :No ; Number (3) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Plot slope percent. Must be between 0 and 150. If Plot Apect is 0, Plot Slope must also be 0. If Plot Aspect >0, Plot Slope must also be > 0.
5	SITE_UNIT	
	Optional ? :Yes ; Number (2) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Site unit.
6	SLOPE_POSITION	
	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Plot slope position.
7	ASPECT	
	Optional ? :No ; Number (3) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Plot aspect (degrees).
8	SMP_SAMPLE_ID	
	Optional ? :No ; Number (10, 0) ;() ; ; Uppercase ? :No ;	

Container : NVAF Version :

Table Name : VDHH_SAMPLES Alias : SMP_1
Display Title : Nvaf Samples

Description : Information relevant to the Net Volume Adjustment Factor sample as a whole

Notes : From DVHand Sample.dbf

User/Help Text : Information relevant to the Net Volume Adjustment Factor sample as a whole

Volumes

Start Rows : 0 End Rows : 0

Storage

Index-organized ? No

Column Summary

Col.Seq.	Column	Nulls ?	Type
1	SAMPLE_ID	NOT NULL	NUMBER (10, 0)
2	BEC_SITE_ASSOC	NULL	NUMBER (2)
3	SAMPLE_NO	NOT NULL	NUMBER (3)
4	TSA	NULL	NUMBER (2)
5	MEASMT_DATA_OWNER	NOT NULL	VARCHAR2 (10)
6	BEC_SITE_SERIES	NULL	NUMBER (2)
7	BGC_ZONE_DATA_SOURCE	NULL	VARCHAR2 (1)
8	SAMPLE_TYPE	NOT NULL	VARCHAR2 (1)
9	MAP_NO	NULL	VARCHAR2 (8)
10	FLIGHT_NO	NOT NULL	VARCHAR2 (5)
11	BGC_ZONE	NULL	VARCHAR2 (4)
12	NOTES	NULL	VARCHAR2 (100)
13	BEC_SITE_PHASE	NULL	VARCHAR2 (1)
14	BEC_SITE_SUB_ASSOC	NULL	NUMBER (1)
15	BGC_VARIANT	NULL	NUMBER (1)
16	UTM_NORTHING	NOT NULL	NUMBER (7)
17	POLYGON_NO	NOT NULL	NUMBER (4)
18	MEASMT_CREW_MEMBER_#2	NOT NULL	VARCHAR2 (25)
19	MEASMT_CONTRACTOR	NOT NULL	VARCHAR2 (10)
20	COAST_INTERIOR	NOT NULL	VARCHAR2 (1)
21	PROJECT_NO	NULL	VARCHAR2 (30)
22	UTM_EASTING	NOT NULL	NUMBER (6)
23	BGC_SUB_ZONE	NULL	VARCHAR2 (3)

Container : NVAF Version :

<u>Col.Seq.</u>	<u>Column</u>	<u>Nulls ?</u>	<u>Type</u>
24	REGION	NOT NULL	NUMBER (2)
25	UTM_ZONE	NOT NULL	NUMBER (2)
26	BEC_SITE_TYPE	NULL	NUMBER (2)
27	COLLECTION_PURPOSE	NOT NULL	VARCHAR2 (15)
28	MEASMT_AGENCY	NOT NULL	VARCHAR2 (1)
29	COMPARTMENT_LETTER	NOT NULL	VARCHAR2 (1)
30	AIR_PHOTO_NO	NOT NULL	NUMBER (3)
31	SAMPLE_DATE	NOT NULL	DATE
32	BGC_PHASE	NULL	VARCHAR2 (1)
33	MEASMT_CREW_MEMBER_#1	NOT NULL	VARCHAR2 (25)
34	COMPARTMENT	NOT NULL	NUMBER (3)
35	PROJECT_NAME	NOT NULL	VARCHAR2 (100)
36	INSTALLATION	NOT NULL	NUMBER (3)

Primary Key

<u>Name</u>	<u>Column</u>
SMP_PK	SAMPLE_ID

Other Unique Keys

<u>Name</u>	<u>Column</u>
SMP_SMP1_UK	REGION COMPARTMENT SAMPLE_NO COMPARTMENT_LETTER INSTALLATION

Column Detail

1	SAMPLE_ID	Optional ? :No ; Number (10, 0) ;() ; ; Uppercase ? :No ; Sequence :VDHH_SAMPLE_SEQ ;
2	BEC_SITE_ASSOC	Optional ? :Yes ; Number (2) ;() ; ; Uppercase ? :No ; <u>Notes</u> BEC site association.
3	SAMPLE_NO	Optional ? :No ; Number (3) ;() ; ; Uppercase ? :No ; <u>Notes</u> Sample number.
4	TSA	Optional ? :Yes ; Number (2) ;() ; ; Uppercase ? :No ;

Table Definition

Container : NVAF Version :

Column Detail

	<u>Notes</u>	Timber supply area.
5	MEASMT_DATA_OWNER	
	Optional ? :No ; Varchar2 (10) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Sample measurement data owner.
6	BEC_SITE_SERIES	
	Optional ? :Yes ; Number (2) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	BEC site series.
7	BGC_ZONE_DATA_SOURCE	
	Optional ? :Yes ; Varchar2 (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Biogeoclimatic zone data source.
8	SAMPLE_TYPE	
	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Sample type. Can be D(ecay), V(olume) or B(oth). If it is D or V then the tree types must be the same. If it is b, the tree types can be a mixture of D and V.
9	MAP_NO	
	Optional ? :Yes ; Varchar2 (8) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Sample map number. If entered, the first three characters should be 82, 92, 93, 94, 102, 103, 104 or 114. The fourth character should be A to P and characters 5 to 8 should not add up to zero.
10	FLIGHT_NO	
	Optional ? :No ; Varchar2 (5) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Flight number.
11	BGC_ZONE	
	Optional ? :Yes ; Varchar2 (4) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Biogeoclimatic zone.
12	NOTES	
	Optional ? :Yes ; Varchar2 (100) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Notes regarding the sample.
13	BEC_SITE_PHASE	
	Optional ? :Yes ; Varchar2 (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	BEC site phase.
14	BEC_SITE_SUB_ASSOC	
	Optional ? :Yes ; Number (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	BEC site sub-association.
15	BGC_VARIANT	

Table Definition

Container : NVAF Version :

Column Detail

	Optional ? :Yes ; Number (1) ;() ; ; Uppercase ? :No ; <u>Notes</u> Biogeoclimatic variant.
16	UTM_NORTHING Optional ? :No ; Number (7) ;() ; ; Uppercase ? :No ; <u>Notes</u> Sample UTM co-ordinate - longitudinal.
17	POLYGON_NO Optional ? :No ; Number (4) ;() ; ; Uppercase ? :No ; <u>Notes</u> Sample polygon - forest cover.
18	MEASMT_CREW_MEMBER_#2 Optional ? :No ; Varchar2 (25) ;() ; ; Uppercase ? :No ; <u>Notes</u> Sample measurement crew member #2.
19	MEASMT_CONTRACTOR Optional ? :No ; Varchar2 (10) ;() ; ; Uppercase ? :No ; <u>Notes</u> Sample measurement contractor.
20	COAST_INTERIOR Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ; <u>Notes</u> C(oastal) or I(nterior) sample. Used for determining diameter for utilization top.
21	PROJECT_NO Optional ? :Yes ; Varchar2 (30) ;() ; ; Uppercase ? :No ; <u>Notes</u> Sample project number.
22	UTM_EASTING Optional ? :No ; Number (6) ;() ; ; Uppercase ? :No ; <u>Notes</u> Sample UTM co-ordinate - latitudinal.
23	BGC_SUB_ZONE Optional ? :Yes ; Varchar2 (3) ;() ; ; Uppercase ? :No ; <u>Notes</u> Biogeoclimatic sub plot zone.
24	REGION Optional ? :No ; Number (2) ;() ; ; Uppercase ? :No ; <u>Notes</u> Forestry region. Must be 1 to 88.
25	UTM_ZONE Optional ? :No ; Number (2) ;() ; ; Uppercase ? :No ; <u>Notes</u> Sample UTM zone.
26	BEC_SITE_TYPE Optional ? :Yes ; Number (2) ;() ; ; Uppercase ? :No ; <u>Notes</u> BEC site type.

Table Definition

Container : NVAF Version :

Column Detail

27	COLLECTION_PURPOSE	Optional ? :No ; Varchar2 (15) ;() ; ; Uppercase ? :No ;
28	MEASMT_AGENCY	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ; <u>Notes</u> Sample measurement agency.
29	COMPARTMENT_LETTER	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ; <u>Notes</u> Sample letter. Valid codes are A to P.
30	AIR_PHOTO_NO	Optional ? :No ; Number (3) ;() ; ; Uppercase ? :No ; <u>Notes</u> Aerial photograph number. Should be >= 1.
31	SAMPLE_DATE	Optional ? :No ; Date ;() ; ; Uppercase ? :No ; <u>Notes</u> Date the sample was created. Must be greater than or equal to January 1, 1999.
32	BGC_PHASE	Optional ? :Yes ; Varchar2 (1) ;() ; ; Uppercase ? :No ; <u>Notes</u> Biogeoclimatic phase.
33	MEASMT_CREW_MEMBER_#1	Optional ? :No ; Varchar2 (25) ;() ; ; Uppercase ? :No ; <u>Notes</u> Sample measurement crew member #1.
34	COMPARTMENT	Optional ? :No ; Number (3) ;() ; ; Uppercase ? :No ; <u>Notes</u> Sample compartment number. Valid numbers are 1 to 206.
35	PROJECT_NAME	Optional ? :No ; Varchar2 (100) ;() ; ; Uppercase ? :No ;
36	INSTALLATION	Optional ? :No ; Number (3) ;() ; ; Uppercase ? :No ; <u>Notes</u> Installation. This attribute may be NULL which makes the REGION, COMPARTMENT, COMPARTMENT LETTER, INSTALLATION and SAMPLE NUMBER combination unsuitable for a primary key but okay for a unique key constraint. Therefore, the NVAF SAMPLES table must have a surrogate primary key.

Container : NVAFVersion :

Table Name : VDHH_TREESAlias : TR_1
Display Title : Nvaf Trees

Description : Information associated with a tree within a plot

Notes : From DVHand Tree.dbf

User/Help Text : Information associated with a tree within a plot

Volumes

Start Rows : 0End Rows : 0

Storage

Index-organized ? No

Column Summary

Col.Seq.	Column	Nulls ?	Type
1	SPECIES	NOT NULL	VARCHAR2 (3)
2	AGE_CORRECTION	NOT NULL	NUMBER (4)
3	SOUND_WOOD_ANNULAR_RADIUS	NOT NULL	NUMBER (5, 1)
4	DBH13	NOT NULL	NUMBER (5, 1)
5	HT_TO_BREAK	NULL	NUMBER (6, 2)
6	TOTAL_AGE_AT_BH	NOT NULL	NUMBER (4, 0)
7	TREE_NO	NOT NULL	NUMBER (4)
8	HEIGHT	NOT NULL	NUMBER (4, 1)
9	COUNTED_STUMP_AGE	NOT NULL	NUMBER (4, 0)
10	STUMP_HT	NOT NULL	NUMBER (5, 2)
11	UTILIZATION_TOP_DIAM	NULL	NUMBER (2)
12	MISSING_WOOD_RADIUS	NULL	NUMBER (5, 1)
13	EST_STUMP_DIAM_INSIDE_BARK	NOT NULL	NUMBER (5, 1)
14	STUMP_AGE	NULL	NUMBER (4)
15	HT_TO_LIVE_CROWN_BASE	NOT NULL	NUMBER (6, 2)
16	DBH_ASSESSMENT_TYPE	NOT NULL	VARCHAR2 (1)
17	NUM_VOL_SEGMT_IN_MAIN_LDR	NOT NULL	NUMBER (2)
18	DIAM_INSIDE_BARK_AT_BREAK	NULL	NUMBER (5, 1)
19	NOTES	NULL	VARCHAR2 (100)
20	TREE_TYPE	NOT NULL	VARCHAR2 (1)
21	PLT_SMP_SAMPLE_ID	NOT NULL	NUMBER (10, 0)
22	PLT_PLOT_COUNT_ID	NOT NULL	VARCHAR2 (1)
23	PLT_PLOT_NO	NOT NULL	NUMBER (2)

Column Detail

Table Definition

Container : NVAF Version :

Primary Key

<u>Name</u>	<u>Column</u>
TR_PK	PLT_SMP_SAMPLE_ID PLT_PLOT_NO PLT_PLOT_COUNT_ID TREE_NO

Foreign Keys

TR_1_PLT_1_FK

PLT_PLOT_NO references VDHH_PLOTS.PLOT_NO
 PLT_SMP_SAMPLE_ID references VDHH_PLOTS.SMP_SAMPLE_ID
 PLT_PLOT_COUNT_ID references VDHH_PLOTS.PLOT_COUNT_ID
 Transferable ? Yes Update Rule : Restricted
 Mandatory ? Yes Delete Rule : Restricted

Index Summary

<u>Name</u>	<u>Seq.</u>	<u>Column</u>	<u>Index Type</u>
TR_PLT_FK_I	10	PLT_PLOT_NO	NOT UNIQUE
TR_PLT_FK_I	20	PLT_SMP_SAMPLE_ID	NOT UNIQUE
TR_PLT_FK_I	30	PLT_PLOT_COUNT_ID	NOT UNIQUE

Column Detail

- 1 SPECIES
 Optional ? :No ; Varchar2 (3) ;() ; ; Uppercase ? :No ;
Notes Tree species.
- 2 AGE_CORRECTION
 Optional ? :No ; Number (4) ;() ; ; Uppercase ? :No ;
Notes Age correction (years). Age correction plus stump age must be between 10 and 1500.
- 3 SOUND_WOOD_ANNULAR_RADIUS
 Optional ? :No ; Number (5, 1) ;() ; ; Uppercase ? :No ;
Notes Annular radius of sound wood (cm). The sum of the radius of missing wood and the annular radius of sound wood must be $\geq \text{DIB} * 0.25$ and $\leq \text{DIB} * 0.75$.
- 4 DBH13
 Optional ? :No ; Number (5, 1) ;() ; ; Uppercase ? :No ;
Notes Diameter of tree measured at breast height which is 1.3 metres above the germination point. Measured in centimetres.
- 5 HT_TO_BREAK
 Optional ? :Yes ; Number (6, 2) ;() ; ; Uppercase ? :No ;
Notes Height to break (metres). 0 if no break. If > 0 , should be $>$

Container : NVAF Version :

Column Detail

		live crown height. If 0, diameter at break is 0.
6	TOTAL_AGE_AT_BH	
	Optional ?	:No ; Number (4, 0) ;() ; ; Uppercase ? :No ;
	Notes	Tree total age at breast height (after correction) (years).
7	TREE_NO	
	Optional ?	:No ; Number (4) ;() ; ; Uppercase ? :No ;
	Notes	Tree number. No business meaning.
8	HEIGHT	
	Optional ?	:No ; Number (4, 1) ;() ; ; Uppercase ? :No ;
	Notes	Measured tree height in metres. Must be between 3 and 100 metres. Must be greater than height to base of live crown, utilization top and break height. Crown should start in lowest third of tree.
9	COUNTED_STUMP_AGE	
	Optional ?	:No ; Number (4, 0) ;() ; ; Uppercase ? :No ;
	Notes	Counted stump age (years) excluding missing wood. Should be between 10 and 1500.
10	STUMP_HT	
	Optional ?	:No ; Number (5, 2) ;() ; ; Uppercase ? :No ;
	Notes	Stump height (metres). Must be between 0 and 10.00.
11	UTILIZATION_TOP_DIAM	
	Optional ?	:Yes ; Number (2) ;() ; ; Uppercase ? :No ;
	Notes	Utilization top diameter (cm). Set up as 15 cm for coastal samples with a breast height age >= 121. Otherwise, 10 cm.
12	MISSING_WOOD_RADIUS	
	Optional ?	:Yes ; Number (5, 1) ;() ; ; Uppercase ? :No ;
	Notes	Radius of missing (decayed) wood (cm). Must be >= 0. Missing radius must be <= 0.90 * stump DIB.
13	EST_STUMP_DIAM_INSIDE_BARK	
	Optional ?	:No ; Number (5, 1) ;() ; ; Uppercase ? :No ;
	Notes	Estimated stump DIB (cm). Use top DIB of segment below stump height.
14	STUMP_AGE	
	Optional ?	:Yes ; Number (4) ;() ; ; Uppercase ? :No ;
	Notes	Observed stump age in years. Must be between 10 and 1500.
15	HT_TO_LIVE_CROWN_BASE	
	Optional ?	:No ; Number (6, 2) ;() ; ; Uppercase ? :No ;
	Notes	Height to base of live crown measured in metres. Must be between 0.1 and 999.99.

Table Definition

Container : NVAF Version :

Column Detail

16 DBH_ASSESSMENT_TYPE

Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;

Notes Diameter at breast height assessment type. Must be A(ctual) or E(stimated).

17 NUM_VOL_SEGMT_IN_MAIN_LDR

Optional ? :No ; Number (2) ;() ; ; Uppercase ? :No ;

Notes Number of volume sections assigned to the main leader. If tree height >= 26.3m then 20 else 10.

18 DIAM_INSIDE_BARK_AT_BREAK

Optional ? :Yes ; Number (5, 1) ;() ; ; Uppercase ? :No ;

Notes Diameter inside bark at break (cm). 0 if no break. Must be <= DBH.

19 NOTES

Optional ? :Yes ; Varchar2 (100) ;() ; ; Uppercase ? :No ;

Notes Tree comments.

20 TREE_TYPE

Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;

Notes Tree type must be V(olume), D(ecay) or B(oth).

21 PLT_SMP_SAMPLE_ID

Optional ? :No ; Number (10, 0) ;() ; ; Uppercase ? :No ;

22 PLT_PLOT_COUNT_ID

Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;

Notes Count Plot ID. Must be A, B, or F(ull).

23 PLT_PLOT_NO

Optional ? :No ; Number (2) ;() ; ; Uppercase ? :No ;

Notes Plot number

Container : NVAF Version :

Table Name : VDHH_TREE_LEADERS Alias : TL_1
Display Title : Nvaf Tree Leaders

Description : Description of the primary leader and any secondary leader emanating from the primary leader. The data in this entity focuses on the leader as a whole and, for secondary leaders, the fork from which the leader emerges.

Notes : From DVHand TrLeader.dbf

User/Help Text : Description of the primary leader and any secondary leader emanating from the primary leader. The data in this entity focuses on the leader as a whole and, for secondary leaders, the fork from which the leader emerges.

Volumes

Start Rows : 0 End Rows : 0

Storage

Index-organized ? No

Column Summary

Col.Seq.	Column	Nulls ?	Type
1	PARENT_LEADER_NO	NULL	NUMBER (2, 0)
2	UTILIZATION_HT	NOT NULL	NUMBER (6, 2)
3	TOP_FORK_PARENT_LEADER_DOB	NULL	NUMBER (5, 1)
4	DIAM_OVER_BARK_AT_FORK_BOTTOM	NULL	NUMBER (5, 1)
5	TOP_FORK_PARENT_LEADER_DIB#2	NULL	NUMBER (5, 1)
6	TOP_FORK_SECONDARY_LEADER_DOB	NULL	NUMBER (5, 1)
7	TREE_LEADER_NO	NOT NULL	NUMBER (1)
8	HT_TO_FORK_TOP	NULL	NUMBER (6, 2)
9	TOP_FORK_PARENT_LEADER_DBT	NULL	NUMBER (4, 1)
10	TOP_FORK_SECONDARY_LEADER_DBT	NULL	NUMBER (4, 1)
11	CHILD_VOLUME_WEDGE_SECTION_NO	NULL	NUMBER (2, 0)
12	DOUBLE_BARK_THICKNESS	NULL	NUMBER (4, 1)
13	HT_TO_FORK_BOTTOM	NULL	NUMBER (6, 2)
14	HT_FROM_GROUND_TO_LEADER_TOP	NOT NULL	NUMBER (6, 2)
15	TOP_FORK_PARENT_LEADER_DIB#1	NULL	NUMBER (5, 1)
16	CHILD_DECAY_WEDGE_SECTION_NO	NULL	NUMBER (2, 0)
17	PARENT_DECAY_SECTION_NO	NULL	NUMBER (2, 0)
18	PARENT_VOLUME_SECTION_NO	NULL	NUMBER (2, 0)
19	TR_TREE_NO	NOT NULL	NUMBER (4)
20	TR_PLT_SMP_SAMPLE_ID	NOT NULL	NUMBER (10, 0)

Container : NVAF Version :

<u>Col.Seq.</u>	<u>Column</u>	<u>Nulls ?</u>	<u>Type</u>
21	TR_PLT_PLOT_NO	NOT NULL	NUMBER (2)
22	TR_PLT_PLOT_COUNT_ID	NOT NULL	VARCHAR2 (1)

Primary Key

<u>Name</u>	<u>Column</u>
TL_PK	TR_PLT_PLOT_COUNT_ID TR_PLT_PLOT_NO TR_PLT_SMP_SAMPLE_ID TR_TREE_NO TREE_LEADER_NO

Foreign Keys

TL_1_TR_1_FK	
TR_TREE_NO	references VDDH_TREES.TREE_NO
TR_PLT_PLOT_NO	references VDDH_TREES.PLT_PLOT_NO
TR_PLT_SMP_SAMPLE_ID	references VDDH_TREES.PLT_SMP_SAMPLE_ID
TR_PLT_PLOT_COUNT_ID	references VDDH_TREES.PLT_PLOT_COUNT_ID
Transferable ?	Yes Update Rule : Restricted
Mandatory ?	Yes Delete Rule : Restricted

Index Summary

<u>Name</u>	<u>Seq.</u>	<u>Column</u>	<u>Index Type</u>
TL_TR_FK_I	10	TR_TREE_NO	NOT UNIQUE
TL_TR_FK_I	20	TR_PLT_PLOT_NO	NOT UNIQUE
TL_TR_FK_I	30	TR_PLT_SMP_SAMPLE_ID	NOT UNIQUE
TL_TR_FK_I	40	TR_PLT_PLOT_COUNT_ID	NOT UNIQUE

Column Detail

1	PARENT_LEADER_NO	
	Optional ?	:Yes ; Number (2, 0) ;() ; ; Uppercase ? :No ;
	<u>Notes</u>	Parent leader number for this child leader.
2	UTILIZATION_HT	
	Optional ?	:No ; Number (6, 2) ;() ; ; Uppercase ? :No ;
	<u>Notes</u>	Utilization height for this leader. Must be >= 0. Must be < leader height. Must be > top fork height.
3	TOP_FORK_PARENT_LEADER_DOB	
	Optional ?	:Yes ; Number (5, 1) ;() ; ; Uppercase ? :No ;
	<u>Notes</u>	Top fork parent leader diameter outside bark (cm). Used only

Table Definition

Container : NVAF Version :

Column Detail

		for volume assessment. Must be between 0 and 999. Should be < bottom fork diameter outside bark.
4	DIAM_OVER_BARK_AT_FORK_BOTTOM	
	Optional ? :Yes ; Number (5, 1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Diameter over bark at bottom of fork (cm). Must be between 0 and 999. Should be <= the previous lower section's top diameter with bark.
5	TOP_FORK_PARENT_LEADER_DIB#2	
	Optional ? :Yes ; Number (5, 1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Top fork parent leader diameter inside bark #2. Used for decay assessment only.
6	TOP_FORK_SECONDARY_LEADER_DOB	
	Optional ? :Yes ; Number (5, 1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Top fork secondary leader diameter outside bark (cm). Used for volume assessment only. Must be between 0 and 999. Should be < parent leader top diameter outside bark.
7	TREE_LEADER_NO	
	Optional ? :No ; Number (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Tree leader number. Primary leader = 1, secondary leader = 2, etc.
8	HT_TO_FORK_TOP	
	Optional ? :Yes ; Number (6, 2) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Height of top of fork from which this child leader emerges above ground (metres).
9	TOP_FORK_PARENT_LEADER_DBT	
	Optional ? :Yes ; Number (4, 1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Top fork parent leader double bark thickness (cm). Used only for volume assessment. Must be between 0 and 99.9. If a previous section exists, and it's first double bark thickness is > 0, then this double bark thickness should be within + or - 50% of the previous section's first double bark thickness.
10	TOP_FORK_SECONDARY_LEADER_DBT	
	Optional ? :Yes ; Number (4, 1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Top fork secondary leader double bark thickness (cm). Used only for volume assessment. Must be between 0 and 99.9. If a previous section exists, and it's first double bark thickness is > 0, then this double bark thickness should be within + or - 50% of the previous section's first double bark thickness.
11	CHILD_VOLUME_WEDGE_SECTION_NO	
	Optional ? :Yes ; Number (2, 0) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Child volume wedge section number for this leader.
12	DOUBLE_BARK_THICKNESS	

Table Definition

Container : NVAF Version :

Column Detail

Optional ? :Yes ; Number (4, 1) ;() ; ; Uppercase ? :No ;

Notes Double bark thickness at the bottom of the fork (cm). Must be between 0 and 99.9. If a previous section exists, and it's first double bark thickness is > 0, then this double bark thickness should be within + or - 50% of the previous section's first double bark thickness

13 HT_TO_FORK_BOTTOM

Optional ? :Yes ; Number (6, 2) ;() ; ; Uppercase ? :No ;

Notes Height above ground of bottom of fork from which this child leader emerges (metres). If the leader's utilization top height > 0, then this bottom fork height must be < the child leader's utilization top height. If the leader's utilization top height = 0, then the bottom fork height must be < the child leader height.

14 HT_FROM_GROUND_TO_LEADER_TOP

Optional ? :No ; Number (6, 2) ;() ; ; Uppercase ? :No ;

Notes The height from the ground of the top of this leader (metres). Must be < tree height.

15 TOP_FORK_PARENT_LEADER_DIB#1

Optional ? :Yes ; Number (5, 1) ;() ; ; Uppercase ? :No ;

Notes Top fork parent leader diameter inside bark #1. Used for decay assessment only.

16 CHILD_DECAY_WEDGE_SECTION_NO

Optional ? :Yes ; Number (2, 0) ;() ; ; Uppercase ? :No ;

Notes Child decay wedge section number for this leader.

17 PARENT_DECAY_SECTION_NO

Optional ? :Yes ; Number (2, 0) ;() ; ; Uppercase ? :No ;

Notes Parent decay section number.

18 PARENT_VOLUME_SECTION_NO

Optional ? :Yes ; Number (2, 0) ;() ; ; Uppercase ? :No ;

Notes Parent volume section number.

19 TR_TREE_NO

Optional ? :No ; Number (4) ;() ; ; Uppercase ? :No ;

Notes Tree number. No business meaning.

20 TR_PLT_SMP_SAMPLE_ID

Optional ? :No ; Number (10, 0) ;() ; ; Uppercase ? :No ;

21 TR_PLT_PLOT_NO

Optional ? :No ; Number (2) ;() ; ; Uppercase ? :No ;

Notes Plot number

22 TR_PLT_PLOT_COUNT_ID

Table Definition

Container : NVAF Version :

Column Detail

Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;

Notes Count Plot ID. Must be A, B, or F(ull).

Container : NVAFVersion :

Table Name : VDHH_TREE_LEADER_DECAYAlias : TLD_1

Display Title : Nvaf Tree Leader Decay

Description : Description of a decay occurrence associated with a particular tree leader.

Notes : From DVHand Tl_Decay.dbf

User/Help Text : Description of a decay occurrence associated with a particular tree leader.

Volumes

Start Rows : 0End Rows : 0

Storage

Index-organized ? No

Column Summary

Col.Seq.	Column	Nulls ?	Type
1	PFS_TYPE_CD	NOT NULL	VARCHAR2 (1)
2	ENTRANCE_CD	NOT NULL	VARCHAR2 (1)
3	PFS_NUM_CD	NOT NULL	VARCHAR2 (1)
4	DEVELOPMENT_STAGE_CD	NOT NULL	VARCHAR2 (1)
5	TLD_TYPE	NOT NULL	VARCHAR2 (1)
6	DECAY_STAIN_COLOUR_CD	NOT NULL	VARCHAR2 (1)
7	SEPARATE_MIXED	NOT NULL	VARCHAR2 (1)
8	DECAY_SHAPE_CD	NOT NULL	VARCHAR2 (1)
9	PFS_SHADE_CD	NOT NULL	VARCHAR2 (1)
10	ORGANISM_CD	NOT NULL	VARCHAR2 (6)
11	MYCELIUM_SHADE_CD	NOT NULL	VARCHAR2 (1)
12	WOOD_STRENGTH_CD	NOT NULL	VARCHAR2 (1)
13	DECAY_SHADE_CD	NOT NULL	VARCHAR2 (1)
14	DECAY_TEXTURE_CD	NOT NULL	VARCHAR2 (1)
15	PFS_SHAPE_CD	NOT NULL	VARCHAR2 (1)
16	MYCELIUM_TYPE_CD	NOT NULL	VARCHAR2 (1)
17	MYCELIUM_COLOUR_CD	NOT NULL	VARCHAR2 (1)
18	PFS_COLOUR_CD	NOT NULL	VARCHAR2 (1)
19	DECAY_STAIN_ID	NOT NULL	NUMBER (2)
20	TL_TR_TREE_NO	NOT NULL	NUMBER (4)
21	TL_TR_PLT_SMP_SAMPLE_ID	NOT NULL	NUMBER (10, 0)
22	TL_TR_PLT_PLOT_NO	NOT NULL	NUMBER (2)
23	TL_TREE_LEADER_NO	NOT NULL	NUMBER (1)

Table Definition

Container : NVAF Version :

<u>Col.Seq.</u>	<u>Column</u>	<u>Nulls ?</u>	<u>Type</u>
24	TL_TR_PLT_PLOT_COUNT_ID	NOT NULL	VARCHAR2 (1)

Primary Key

<u>Name</u>	<u>Column</u>
TLD_PK	TL_TR_PLT_PLOT_COUNT_ID TL_TR_PLT_SMP_SAMPLE_ID TL_TR_TREE_NO TL_TR_PLT_PLOT_NO TL_TREE_LEADER_NO DECAY_STAIN_ID

Foreign Keys

TLD_1_TL_1_FK

TL_TREE_LEADER_NO references VDHH_TREE_LEADERS.TREE_LEADER_NO
 TL_TR_TREE_NO references VDHH_TREE_LEADERS.TR_TREE_NO
 TL_TR_PLT_PLOT_NO references VDHH_TREE_LEADERS.TR_PLT_PLOT_NO
 TL_TR_PLT_SMP_SAMPLE_ID references
 VDHH_TREE_LEADERS.TR_PLT_SMP_SAMPLE_ID
 TL_TR_PLT_PLOT_COUNT_ID references
 VDHH_TREE_LEADERS.TR_PLT_PLOT_COUNT_ID
 Transferable ? Yes Update Rule : Restricted
 Mandatory ? Yes Delete Rule : Restricted

Index Summary

<u>Name</u>	<u>Seq.</u>	<u>Column</u>	<u>Index Type</u>
TLD_TL_FK_I	10	TL_TREE_LEADER_NO	NOT UNIQUE
TLD_TL_FK_I	20	TL_TR_TREE_NO	NOT UNIQUE
TLD_TL_FK_I	30	TL_TR_PLT_PLOT_NO	NOT UNIQUE
TLD_TL_FK_I	40	TL_TR_PLT_SMP_SAMPLE_ID	NOT UNIQUE
TLD_TL_FK_I	50	TL_TR_PLT_PLOT_COUNT_ID	NOT UNIQUE

Column Detail

1 PFS_TYPE_CD

Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;

Notes Pits, flecks and spots type code. A code for the categorization
 of pits, flecks and spots or combinations thereof associated
 with the decay occurrence.

2 ENTRANCE_CD

Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;

Table Definition

Container : NVAF Version :

Column Detail

	<u>Notes</u>	Entrance code. A code for the entrance of the decay or stain occurrence.
3	PFS_NUM_CD	
	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Pits, flecks and spots number code. A code for the qualification of the number of pits, flecks and spots associated with the decay occurrence.
4	DEVELOPMENT_STAGE_CD	
	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Development stage code. A code for the development stage of the decay or stain occurrence.
5	TLD_TYPE	
	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Decay or stain indicator. Must be D(ecay), S(tain) or V(oid).
6	DECAY_STAIN_COLOUR_CD	
	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Decay stain colour code. A code for the colour of the decay or stain occurrence.
7	SEPARATE_MIXED	
	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Whether the decay elements are separate or mixed.
8	DECAY_SHAPE_CD	
	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Decay shape code. The shape of the cross-section of a body of decay.
9	PFS_SHADE_CD	
	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Pits, flecks and spots shade code. A code for the predominant shading and/or patterning of pits, flecks and spots associated with the decay occurrence.
10	ORGANISM_CD	
	Optional ? :No ; Varchar2 (6) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Decay or stain organism code. A code for the organism which caused the decay occurrence.
11	MYCELIUM_SHADE_CD	
	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Mycelium shade code. A code for the predominant shading and/or patterning of the mycelium associated with the decay occurrence.
12	WOOD_STRENGTH_CD	
	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;	

Table Definition

Container : NVAFVersion :

Column Detail

	<u>Notes</u>	Wood strength code. A code for the wood strength characteristics associated with the decay occurence.
13	DECAY_SHADE_CD	
	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Decay shade code. A code for the patterning and/or shading of the decay or stain occurence.
14	DECAY_TEXTURE_CD	
	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Decay texture code. A code for the textural characteristics of the decay occurence.
15	PFS_SHAPE_CD	
	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Pits, flecks and spots shape code. A code for the shape of pits, flecks and spots associated with the decay occurence.
16	MYCELIUM_TYPE_CD	
	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Mycelium type code. A code for the physical description of the mycelium associated with the decay occurence.
17	MYCELIUM_COLOUR_CD	
	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Mycelium colour code. A code for the predominant colouration of the mycelium associated with the decay occurence.
18	PFS_COLOUR_CD	
	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Pits, flecks and spots colour code. A code for the predominant colouration of the pits, flecks and spots associated with the decay occurence.
19	DECAY_STAIN_ID	
	Optional ? :No ; Number (2) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Decay/stain id number. An assigned number to identify a specific decay or stain occurence in the tree leader. The number is unique for the tree although occurences are specific to a leader. Thus a body of decay or stain that spans mutiple leaders is recorded as multiple occurences.
20	TL_TR_TREE_NO	
	Optional ? :No ; Number (4) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Tree number. No business meaning.
21	TL_TR_PLT_SMP_SAMPLE_ID	
	Optional ? :No ; Number (10, 0) ;() ; ; Uppercase ? :No ;	
22	TL_TR_PLT_PLOT_NO	
	Optional ? :No ; Number (2) ;() ; ; Uppercase ? :No ;	

Table Definition

Container : NVAF Version :

Column Detail

	<u>Notes</u>	Plot number
23	TL_TREE_LEADER_NO	
	Optional ? :No ; Number (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Tree leader number. Primary leader = 1, secondary leader = 2, etc.
24	TL_TR_PLT_PLOT_COUNT_ID	
	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Count Plot ID. Must be A, B, or F(ull).

Container : NVAF Version :

Table Name : VDHH_TREE_SEGMENTS Alias : TS_1
Display Title : Nvaf Tree Segments

Description : Description of an assessment of a section or segment of a tree associated with a parent leader.

Notes : From DVHand Tr_Seg.dbf

User/Help Text : Description of an assessment of a section or segment of a tree associated with a parent leader.

Volumes

Start Rows : 0 End Rows : 0

Storage

Index-organized ? No

Column Summary

Col.Seq.	Column	Nulls ?	Type
1	SECTION_LENGTH	NOT NULL	NUMBER (5, 2)
2	FIRST_LEADER_SECTION_WITHIN	NOT NULL	NUMBER (2, 0)
3	SEGMENT_TYPE	NOT NULL	VARCHAR2 (2)
4	FORK_PRESENT	NOT NULL	VARCHAR2 (1)
5	CUMULATIVE_TREE_LENGTH	NOT NULL	NUMBER (6, 2)
6	BARK_THICKNESS_SUM	NULL	NUMBER (4, 1)
7	ASSESSMENT_TYPE	NOT NULL	VARCHAR2 (1)
8	FIRST_DIAMETER_INSIDE_BARK	NULL	NUMBER (5, 1)
9	LAST_SECTION	NOT NULL	VARCHAR2 (1)
10	PARENT_LEADER_NO	NULL	NUMBER (1, 0)
11	TOP_DIAM_WITH_BARK	NULL	NUMBER (5, 1)
12	SEGMENT_NO	NOT NULL	NUMBER (3)
13	SECOND_DIAMETER_INSIDE_BARK	NULL	NUMBER (5, 1)
14	PARENT_SECTION_NO	NULL	NUMBER (2, 0)
15	TL_TREE_LEADER_NO	NOT NULL	NUMBER (1)
16	TL_TR_PLT_PLOT_COUNT_ID	NOT NULL	VARCHAR2 (1)
17	TL_TR_TREE_NO	NOT NULL	NUMBER (4)
18	TL_TR_PLT_SMP_SAMPLE_ID	NOT NULL	NUMBER (10, 0)
19	TL_TR_PLT_PLOT_NO	NOT NULL	NUMBER (2)

Primary Key

Name	Column
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Table Definition

Container : NVAF Version :

<u>Name</u>	<u>Column</u>
TS_PK	TL_TREE_LEADER_NO TL_TR_PLT_SMP_SAMPLE_ID TL_TR_TREE_NO TL_TR_PLT_PLOT_COUNT_ID TL_TR_PLT_PLOT_NO ASSESSMENT_TYPE SEGMENT_NO

Foreign Keys

TS_1_TL_1_FK

TL_TREE_LEADER_NO references VDHH_TREE_LEADERS.TREE_LEADER_NO
 TL_TR_TREE_NO references VDHH_TREE_LEADERS.TR_TREE_NO
 TL_TR_PLT_PLOT_NO references VDHH_TREE_LEADERS.TR_PLT_PLOT_NO
 TL_TR_PLT_SMP_SAMPLE_ID references
 VDHH_TREE_LEADERS.TR_PLT_SMP_SAMPLE_ID
 TL_TR_PLT_PLOT_COUNT_ID references
 VDHH_TREE_LEADERS.TR_PLT_PLOT_COUNT_ID
 Transferable ? Yes Update Rule : Restricted
 Mandatory ? Yes Delete Rule : Restricted

Index Summary

<u>Name</u>	<u>Seq.</u>	<u>Column</u>	<u>Index Type</u>
TS_TL_FK_I	10	TL_TREE_LEADER_NO	NOT UNIQUE
TS_TL_FK_I	20	TL_TR_TREE_NO	NOT UNIQUE
TS_TL_FK_I	30	TL_TR_PLT_PLOT_NO	NOT UNIQUE
TS_TL_FK_I	40	TL_TR_PLT_SMP_SAMPLE_ID	NOT UNIQUE
TS_TL_FK_I	50	TL_TR_PLT_PLOT_COUNT_ID	NOT UNIQUE

Column Detail

- SECTION_LENGTH
Optional ? :No ; Number (5, 2) ;() ; ; Uppercase ? :No ;
Notes Section length (metres).
- FIRST_LEADER_SECTION_WITHIN
Optional ? :No ; Number (2, 0) ;() ; ; Uppercase ? :No ;
Notes The first section number on the leader to which this section belongs. Volume and decay sectioning being different. Volume section entries may well have different numbering to decay entries.
- SEGMENT_TYPE
Optional ? :No ; Varchar2 (2) ;() ; ; Uppercase ? :No ;

Table Definition

Container : NVAF Version :

Column Detail

	<u>Notes</u>	Segment type. For sections 1 - 5, the type is B(ase). For sections 6 and above, the type is V(olume) or D(ecay).
4	FORK_PRESENT Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ; <u>Notes</u>	True if fork present in this section, otherwise false.
5	CUMULATIVE_TREE_LENGTH Optional ? :No ; Number (6, 2) ;() ; ; Uppercase ? :No ; <u>Notes</u>	Cumulative tree length from bottom of lowest section on the leader to the top of this section (metres). Entered for decay assessment, calculated for volume assessment.
6	BARK_THICKNESS_SUM Optional ? :Yes ; Number (4, 1) ;() ; ; Uppercase ? :No ; <u>Notes</u>	The sum of the two bark thickness measurements taken at opposite sides of the tree at the top of the tree section (cm).
7	ASSESSMENT_TYPE Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ; <u>Notes</u>	Character indicating D(ecay) or V(olume) assessment record. For trees on which both volume and decay assessments are made. The base segments (numbers 1 through 5) are identical for both volume and decay and are duplicated for each of these two assessments.
8	FIRST_DIAMETER_INSIDE_BARK Optional ? :Yes ; Number (5, 1) ;() ; ; Uppercase ? :No ; <u>Notes</u>	First observed diameter inside bark at section top (cm).
9	LAST_SECTION Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ; <u>Notes</u>	True if this section is the last segment in the leader, else false.
10	PARENT_LEADER_NO Optional ? :Yes ; Number (1, 0) ;() ; ; Uppercase ? :No ; <u>Notes</u>	Parent leader number if this section is not in the primary leader. 0 if this section is in the primary leader.
11	TOP_DIAM_WITH_BARK Optional ? :Yes ; Number (5, 1) ;() ; ; Uppercase ? :No ; <u>Notes</u>	The diameter at the top of the tree section including the bark (cm). Used only for volume assessment.
12	SEGMENT_NO Optional ? :No ; Number (3) ;() ; ; Uppercase ? :No ; <u>Notes</u>	Segment or section number. Sections are internally numbered from the base of the stem up the main leader, thence along each secondary, etc. leader. The 5 base sections (1 - 5) are

Table Definition

Container : NVAFVersion :

Column Detail

identical for both Volume and Decay. Section 1 is used for that part of the tree that occurs below the high side. Sections higher than 5 are internally numbered separately for Volume and Decay assessment purposes. The section on the parent leader where a fork occurs is considered a normal section. The section of a secondary leader that is below the secondary leader top fork height and joins the parent section is termed the wedge section.

13	SECOND_DIAMETER_INSIDE_BARK	
	Optional ? :Yes ; Number (5, 1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Second observed diameter inside bark at section top (cm).
14	PARENT_SECTION_NO	
	Optional ? :Yes ; Number (2, 0) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Parent section number if this section is not in the primary leader. 0 if this section is in the primary leader.
15	TL_TREE_LEADER_NO	
	Optional ? :No ; Number (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Tree leader number. Primary leader = 1, secondary leader = 2, etc.
16	TL_TR_PLT_PLOT_COUNT_ID	
	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Count Plot ID. Must be A, B, or F(ull).
17	TL_TR_TREE_NO	
	Optional ? :No ; Number (4) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Tree number. No business meaning.
18	TL_TR_PLT_SMP_SAMPLE_ID	
	Optional ? :No ; Number (10, 0) ;() ; ; Uppercase ? :No ;	
19	TL_TR_PLT_PLOT_NO	
	Optional ? :No ; Number (2) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Plot number

Container : NVAF Version :

Table Name : VDHH_TREE_SEGMENT_DECAY Alias : TSD_1
Display Title : Nvaf Tree Segment Decay

Description : Description of a decay instance which must be related to a parent decay occurrence.

Notes : From DVHand Ts_Decay.dbf

User/Help Text : Description of a decay instance which must be related to a parent decay occurrence.

Volumes

Start Rows : 0 End Rows : 0

Storage

Index-organized ? No

Column Summary

<u>Col.Seq.</u>	<u>Column</u>	<u>Nulls ?</u>	<u>Type</u>
1	TREE_TOP_TO_DECAY_TOP_HT	NULL	NUMBER (6, 2)
2	DECAY_LENGTH	NOT NULL	NUMBER (6, 2)
3	INNER_WIDTH	NOT NULL	NUMBER (5, 1)
4	CONTN_FROM_PREV_SECTION	NOT NULL	VARCHAR2 (1)
5	CONTD_TO_NEXT_SECTION	NOT NULL	VARCHAR2 (1)
6	INNER_BREADTH	NOT NULL	NUMBER (5, 1)
7	OUTER_BREADTH	NULL	VARCHAR2 (5)
8	OUTER_WIDTH	NULL	VARCHAR2 (5)
9	DECAY_PCT	NOT NULL	NUMBER (3)
10	TREE_TOP_TO_DECAY_BOTTOM_HT	NULL	NUMBER (6, 2)
11	TLD_TL_TR_PLT_SMP_SAMPLE_ID	NOT NULL	NUMBER (10, 0)
12	TLD_DECAY_STAIN_ID	NOT NULL	NUMBER (2)
13	TLD_TL_TR_PLT_PLOT_COUNT_ID	NOT NULL	VARCHAR2 (1)
14	TLD_TL_TR_PLT_PLOT_NO	NOT NULL	NUMBER (2)
15	TLD_TL_TR_TREE_NO	NOT NULL	NUMBER (4)
16	TLD_TL_TREE_LEADER_NO	NOT NULL	NUMBER (1)
17	TS_TL_TR_PLT_PLOT_NO	NOT NULL	NUMBER (2)
18	TS_TL_TR_PLT_PLOT_COUNT_ID	NOT NULL	VARCHAR2 (1)
19	TS_ASSESSMENT_TYPE	NOT NULL	VARCHAR2 (1)
20	TS_SEGMENT_NO	NOT NULL	NUMBER (3)
21	TS_TL_TR_TREE_NO	NOT NULL	NUMBER (4)
22	TS_TL_TREE_LEADER_NO	NOT NULL	NUMBER (1)
23	TS_TL_TR_PLT_SMP_SMP_ID	NOT NULL	NUMBER (10, 0)

Table Definition

Container : NVAF Version :

Primary Key

<u>Name</u>	<u>Column</u>
TSD_PK	TS_TL_TR_TREE_NO TS_ASSESSMENT_TYPE TS_TL_TR_PLT_PLOT_NO TS_SEGMENT_NO TS_TL_TR_PLT_PLOT_COUNT_ID TS_TL_TREE_LEADER_NO TS_TL_TR_PLT_SMP_SMP_ID TLD_TL_TR_PLT_PLOT_COUNT_ID TLD_DECAY_STAIN_ID TLD_TL_TR_TREE_NO TLD_TL_TREE_LEADER_NO TLD_TL_TR_PLT_SMP_SAMPLE_ID TLD_TL_TR_PLT_PLOT_NO

Foreign Keys

TSD_1_TLD_1_FK

TLD_DECAY_STAIN_ID references VDHH_TREE_LEADER_DECAY.DECAY_STAIN_ID
 TLD_TL_TREE_LEADER_NO references
 VDHH_TREE_LEADER_DECAY.TL_TREE_LEADER_NO
 TLD_TL_TR_TREE_NO references VDHH_TREE_LEADER_DECAY.TL_TR_TREE_NO
 TLD_TL_TR_PLT_PLOT_NO references
 VDHH_TREE_LEADER_DECAY.TL_TR_PLT_PLOT_NO
 TLD_TL_TR_PLT_SMP_SAMPLE_ID references
 VDHH_TREE_LEADER_DECAY.TL_TR_PLT_SMP_SAMPLE_ID
 TLD_TL_TR_PLT_PLOT_COUNT_ID references
 VDHH_TREE_LEADER_DECAY.TL_TR_PLT_PLOT_COUNT_ID
 Transferable ? Yes Update Rule : Restricted
 Mandatory ? Yes Delete Rule : Restricted

TSD_1_TS_1_FK

TS_ASSESSMENT_TYPE references VDHH_TREE_SEGMENTS.ASSESSMENT_TYPE
 TS_SEGMENT_NO references VDHH_TREE_SEGMENTS.SEGMENT_NO
 TS_TL_TREE_LEADER_NO references VDHH_TREE_SEGMENTS.TL_TREE_LEADER_NO
 TS_TL_TR_TREE_NO references VDHH_TREE_SEGMENTS.TL_TR_TREE_NO
 TS_TL_TR_PLT_PLOT_NO references VDHH_TREE_SEGMENTS.TL_TR_PLT_PLOT_NO
 TS_TL_TR_PLT_SMP_SMP_ID references
 VDHH_TREE_SEGMENTS.TL_TR_PLT_SMP_SAMPLE_ID
 TS_TL_TR_PLT_PLOT_COUNT_ID references
 VDHH_TREE_SEGMENTS.TL_TR_PLT_PLOT_COUNT_ID
 Transferable ? Yes Update Rule : Restricted
 Mandatory ? Yes Delete Rule : Restricted

Column Detail

1 TREE_TOP_TO_DECAY_TOP_HT

Optional ? :Yes ; Number (6, 2) ;() ; ; Uppercase ? :No ;

Notes The distance from the top of a tree section to the top of the major body of decay within the tree section (m). Must be < the section length. If a decay instance width and/or breadth > 0,

Table Definition

Container : NVAF Version :

Index Summary

<u>Name</u>	<u>Seq.</u>	<u>Column</u>	<u>Index Type</u>
TSD_TLD_FK_I	10	TLD_DECAY_STAIN_ID	NOT UNIQUE
TSD_TLD_FK_I	20	TLD_TL_TREE_LEADER_NO	NOT UNIQUE
TSD_TLD_FK_I	30	TLD_TL_TR_TREE_NO	NOT UNIQUE
TSD_TLD_FK_I	40	TLD_TL_TR_PLT_PLOT_NO	NOT UNIQUE
TSD_TLD_FK_I	50	TLD_TL_TR_PLT_SMP_SAMPLE_I D	NOT UNIQUE
TSD_TLD_FK_I	60	TLD_TL_TR_PLT_PLOT_COUNT_I D	NOT UNIQUE
TSD_TS_FK_I	10	TS_ASSESSMENT_TYPE	NOT UNIQUE
TSD_TS_FK_I	20	TS_SEGMENT_NO	NOT UNIQUE
TSD_TS_FK_I	30	TS_TL_TREE_LEADER_NO	NOT UNIQUE
TSD_TS_FK_I	40	TS_TL_TR_TREE_NO	NOT UNIQUE
TSD_TS_FK_I	50	TS_TL_TR_PLT_PLOT_NO	NOT UNIQUE
TSD_TS_FK_I	60	TS_TL_TR_PLT_SMP_SMP_ID	NOT UNIQUE
TSD_TS_FK_I	70	TS_TL_TR_PLT_PLOT_COUNT_ID	NOT UNIQUE

Column Detail

then this must be 0 (indicating that the decay instance extends to the top of the section).

2 DECAY_LENGTH

Optional ? :No ; Number (6, 2) ;() ; ; Uppercase ? :No ;

Notes The length of the decay within the section (m). It may reach all the way to the top and/or the bottom of the section.

3 INNER_WIDTH

Optional ? :No ; Number (5, 1) ;() ; ; Uppercase ? :No ;

Notes The distance across one dimension of the inner cross-section of a body of decay within the section (cm). The inner width is measured along a dimension perpendicular to the inner width. If > 0, must be <= inner breadth. If inner width or inner breadth > 0, decay top height must be 0. If decay not continued from previous section, inner breadth must be > 0.

4 CONTN_FROM_PREV_SECTION

Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;

Notes Decay instance is a continuation from previous section's instance.

5 CONTD_TO_NEXT_SECTION

Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;

Table Definition

Container : NVAF Version :

Column Detail

	<u>Notes</u>	Decay instance is continued to the next section's instance.
6	INNER_BREADTH	
	Optional ? :No ; Number (5, 1) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	The distance across one dimension of the inner cross-section of a body of decay within the section (cm). The inner breadth width is measured along a dimension perpendicular to the inner width. If > 0, must be <= inner width. If inner width or inner breadth > 0, decay top height must be 0. If decay not continued from previous section, inner width must be > 0.
7	OUTER_BREADTH	
	Optional ? :Yes ; Varchar2 (5) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	The distance across one dimension of the outer most cross section of a body of decay within the section (cm). The outer breadth is measured along a dimension perpendicular to the outer width. If > 0, must be >= outer width. Outer breadth must be <= current section's second diameter inside bark. Outer breadth must be > inner breadth.
8	OUTER_WIDTH	
	Optional ? :Yes ; Varchar2 (5) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	The distance across one dimension of the outer most cross section of a body of decay within the section (cm). The outer width is measured along a dimension perpendicular to the outer breadth. If > 0, must be >= outer breadth. Outer width must be <= current section's first diameter inside bark. Outer width must be > inner width.
9	DECAY_PCT	
	Optional ? :No ; Number (3) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	If decay in this section is mixed, this is the percentage that this part of the mixed decay contributes to the whole in this section.
10	TREE_TOP_TO_DECAY_BOTTOM_HT	
	Optional ? :Yes ; Number (6, 2) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	The distance from the top of a tree section to the bottom of the major body of decay within the tree section (m). Must be >= distance to top of decay. Must be <= section length.
11	TLD_TL_TR_PLT_SMP_SAMPLE_ID	
	Optional ? :No ; Number (10, 0) ;() ; ; Uppercase ? :No ;	
12	TLD_DECAY_STAIN_ID	
	Optional ? :No ; Number (2) ;() ; ; Uppercase ? :No ;	
	<u>Notes</u>	Decay/stain id number. An assigned number to identify a specific decay or stain occurrence in the tree leader. The number is unique for the tree although occurrences are specific to a leader. Thus a body of decay or stain that spans multiple leaders is recorded as multiple occurrences.
13	TLD_TL_TR_PLT_PLOT_COUNT_ID	

Table Definition

Container : NVAF Version :

Column Detail

	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;
	<u>Notes</u> Count Plot ID. Must be A, B, or F(ull).
14	TLD_TL_TR_PLT_PLOT_NO
	Optional ? :No ; Number (2) ;() ; ; Uppercase ? :No ;
	<u>Notes</u> Plot number
15	TLD_TL_TR_TREE_NO
	Optional ? :No ; Number (4) ;() ; ; Uppercase ? :No ;
	<u>Notes</u> Tree number. No business meaning.
16	TLD_TL_TREE_LEADER_NO
	Optional ? :No ; Number (1) ;() ; ; Uppercase ? :No ;
	<u>Notes</u> Tree leader number. Primary leader = 1, secondary leader = 2, etc.
17	TS_TL_TR_PLT_PLOT_NO
	Optional ? :No ; Number (2) ;() ; ; Uppercase ? :No ;
	<u>Notes</u> Plot number
18	TS_TL_TR_PLT_PLOT_COUNT_ID
	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;
	<u>Notes</u> Count Plot ID. Must be A, B, or F(ull).
19	TS_ASSESSMENT_TYPE
	Optional ? :No ; Varchar2 (1) ;() ; ; Uppercase ? :No ;
	<u>Notes</u> Character indicating D(ecay) or V(olume) assessment record. For trees on which both volume and decay assessments are made. The base segments (numbers 1 through 5) are identical for both volume and decay and are duplicated for each of these two assessments.
20	TS_SEGMENT_NO
	Optional ? :No ; Number (3) ;() ; ; Uppercase ? :No ;
	<u>Notes</u> Segment or section number. Sections are internally numbered from the base of the stem up the main leader, thence along each secondary, etc. leader. The 5 base sections (1 - 5) are identical for both Volume and Decay. Section 1 is used for that part of the tree that occurs below the high side. Sections higher than 5 are internally numbered separately for Volume and Decay assessment purposes. The section on the parent leader where a fork occurs is considered a normal section. The section of a secondary leader that is below the secondary leader top fork height and joins the parent section is termed the wedge section.
21	TS_TL_TR_TREE_NO
	Optional ? :No ; Number (4) ;() ; ; Uppercase ? :No ;
	<u>Notes</u> Tree number. No business meaning.

Table Definition

Container : NVAF Version :

Column Detail

22 TS_TL_TREE_LEADER_NO

Optional ? :No ; Number (1) ;() ; ; Uppercase ? :No ;

Notes Tree leader number. Primary leader = 1, secondary leader = 2, etc.

23 TS_TL_TR_PLT_SMP_SMP_ID

Optional ? :No ; Number (10, 0) ;() ; ; Uppercase ? :No ;

Oracle Designer
TABLE DEFINITION
End of Report