

Oracle Designer

Report : TABLE DEFINITION
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Parameter Values

Workarea : GLOBAL SHARED WORKAREA
Container : GNIS
Container Version :
Recurse Sub-Containers : N
Tab/View/Snap Name : FEATURE_DATA
Diagram :
Includes
Yes column Details :
Tables Created
On/After :
and On/Before : 07 May 2003
Tables Changed
On/After :
On/Before : 07 May 2003

Table Definition

Container : GNIS Version :

Table Name : FEATURE_DATA Alias : FEDA
 Display Title :

Description : Data relating to a feature.

Volumes

Start Rows : End Rows :

Storage

Index-organized ? No

Column Summary

<u>Col.Seq.</u>	<u>Column</u>	<u>Nulls ?</u>	<u>Type</u>
10	FEATURE_ID	NOT NULL	NUMBER (10, 0)
20	DESCRIPTION	NULL	VARCHAR2 (3000)
30	HISTORY	NULL	VARCHAR2 (3000)
40	MAP_ADDENDUM	NULL	VARCHAR2 (1000)
50	FEATURE_SIZE	NULL	VARCHAR2 (1000)
60	LAND_AREA	NULL	NUMBER ()
70	WATER_AREA	NULL	NUMBER ()
80	ELEVATION	NULL	NUMBER (6, 0)
110	SECTWPRNG	NULL	VARCHAR2 (100)
120	ALASKA_DESCRIPTION	NULL	VARCHAR2 (3000)
130	ALASKA_HISTORY	NULL	VARCHAR2 (3000)

Primary Key

<u>Name</u>	<u>Column</u>
FEDA_PK	FEATURE_ID

Foreign Keys

FEDA_FEAT_FK
 FEATURE_ID references FEATURES.FEATURE_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>
ELEVATION_I	1	ELEVATION	NOT UNIQUE

Column Detail

Table Definition

Container : GNIS Version :

Column Detail

10 FEATURE_ID

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

This is a foreign key column on FEATURES/FEATURE_ID, and is also the primary key for the table. The ID of the feature to which the data in the table applies.

Notes

Current GNIS Table/Column:
FEATURE.FEATURE_ID_NMBR

Data Loading Instructions: Load from above column for features as defined in the remaining columns of the table. See notes for each column description below.

20 DESCRIPTION

Optional ? :Yes ; Varchar2 (3000) ;() ; ; Uppercase ? :No ;

Amplifying, clarifying, or unusual characteristics of or information about the feature.

Notes

Current GNIS Table/Column:
FEATURE NOTES.NOTE_TEXT where NOTE_TYPE = Description,
MILITARY NOTES.NOTE_TEXT where NOTE_TYPE = Description,
CAVENOTES.NOTE_TEXT where NOTE_TYPE = Description,
ANTARCTIC.DESCRPTION
ANTARCTIC.CODED_DESCR
ALASKA FEATURE.DESCRPTION
CONCISE.DESCRPTION.

Data Loading Instructions: Load from FEATURE NOTES.NOTES_TEXT. Reconcile records in the other columns to feature records and load or correct as appropriate.

30 HISTORY

Optional ? :Yes ; Varchar2 (3000) ;() ; ; Uppercase ? :No ;

A description of the name origin, and physical and/or cultural history of a feature.

Notes

Current GNIS Table/Column:
FEATURE NOTES.NOTE_TEXT where NOTE_TYPE = History,
MILITARY NOTES.NOTE_TEXT where NOTE_TYPE = History
CAVE NOTES.NOTE_TEXT where NOTE_TYPE = HISTORY,
CONCISE.HIST_NOTES
ALASKA FEATURE.HIST_NOTES
ANTARCTIC.NOTES

Data Loading Instructions: Load from FEATURE NOTES.NOTES_TEXT. Reconcile records in the other columns to feature records and load or correct as appropriate.

40 MAP_ADDENDUM

Optional ? :Yes ; Varchar2 (1000) ;() ; ; Uppercase ? :No ;

Descriptive information appended to feature name when printed on a map, normally in a parenthetical expression following the name.

Notes

Current GNIS Table/Column:
FEATURE.FEATURE_INFO
MILITARY FEATURE.FEATURE_INFO
CAVE_GAZ.FEATURE_INFO
CONCISE.NAME_PAREN where not = (capitol) or (county seat)

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Data Loading Instructions: Load from FEATURE.FEATURE_INFO.
Reconcile records in the other columns to feature records and
load or correct as appropriate.

50 FEATURE_SIZE

Optional ? :Yes ; Varchar2 (1000) ;() ; ; Uppercase ? :No ;

The size of a feature. This is unformatted text with no content rules.

Notes

Current GNIS Table/Column:
FEATURE.FEATURE_SIZE,
CONCISE.FEATURE_SIZE,
ALASKA.FEATURE_SIZE,
MILITARY FEATURE.FEATURE_SIZE,
CAVE_GAZ.FEATURE_SIZE.

There are no format or content rules for this attribute.

Data Loading Instructions: Load from FEATURE.FEATURE_SIZE.
Reconcile records in the other columns to feature records and
load or correct as appropriate.

60 LAND_AREA

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

The area in square miles of the land surface of the feature.

Notes

Current FIPS55 Table/Column:
FIPS55.LAND_AREA

Data Loading Instructions: Load from above column keyed to
FEATURE_ID and FIPS_ID_NMBR.

70 WATER_AREA

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

The area in square miles of the water surface of the feature.

Notes

Current FIPS55 Table/Column:
none

Data Loading Instructions: No data to load. Future data from
FIPS55.LAND_AREA will be parsed into the LAND AREA column and
this WATER_AREA column.

80 ELEVATION

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

The elevation above sea level of the feature at the primary coordinates
(positive number) or depth of a feature at the lowest point below sea level
(negative number).

Notes

GNIS Table/Column:
FEATURE.ELEVATION,
CONCISE.ELEVATION,
ALASKA.ELEVATION,
ANTARCTIC.ELEVATION,
MILITARY FEATURE.ELEVATION

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CAVE_GAZ.ELEVATION.

Positive value = above sea level.

Negative value = below sea level.

Range: -13,500 feet to +20,500 feet

Data Loading Instructions: Load from FEATURE/ELEVATION.

Reconcile records in the other columns to feature records and load or correct as appropriate.

(Note: some elevations in Puerto Rico may be in meters vice feet, and therefore incorrect. However, we do not know which ones they are. They will be corrected as they are identified in the future.)

Business Rules:

If ELEVATION is new

Then ELEVATION must not be > than the maximum elevation in the database for that state.

(Query for the maximum elevation if the new number is positive or for the minimum (maximum negative) elevation if the new number is negative for all features in the same state. The new or changed FEATURE ELEVATION must be numerically <= to the result. If the new or changed FEATURE ELEVATION is numerically > the result, generate a message providing the opportunity to verify the elevation and either change it or enter it as the new maximum.)

And ELEVATION must not be > -282 for a land feature or -113,500 for an off shore feature.

(Land features shall not have altitudes greater than -282 feet, which is the lowest point in Death Valley. Off shore features may have altitudes greater than -282 feet up to the range limit of -113,500 feet.)

There may be points in the state higher than the maximum or lower than the minimum, but which are not associated with a named feature or do not have the elevation recorded in the database.

110 SECTWPRNG

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

The elements of the Public Land Survey System (PLSS) (section, township, range) containing the feature.

Notes

Current GNIS Table/Column:

FEATURE.SECT_TWP_RNG

MILITARY FEATURE.SEC_TWP_RNG

CAVE FEATURE.SEC_TWP_RNG

Data Loading Instructions: Load from FEATURE.SECT_TWP_RNG.

Reconcile records in the other columns to feature records and load or correct as appropriate.

120 ALASKA_DESCRIPTION

Optional ? :Yes ; Varchar2 (3000) ;() ; ; Uppercase ? :No ;

Amplifying, clarifying, or unusual characteristics of or information about the

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feature. This table holds legacy data from the Alaska Dictionary. These records will be merged with the DESCRIPTION column, and when completed, this column will be deleted.

Notes

Current GNIS Table/Column:
ALASKA FEATURE.DESCRPTION

Data Loading Instructions: Load from the above columns keyed to FEATURE/FEATURE_ID_NMBR.

A single Alaska feature may have entries in either or both FEATURE NOTES.NOTE_TEXT where NOTE_TYPE = Description and in ALASKA FEATURE.DESCRPTION.

If in both: Load FEATURE NOTES.NOTE_TEXT to DESCRIPTION and ALASKA FEATURE.DESCRPTION to ALASKA_DESCRIPTION.

If in one and not the other--in both cases, load to DESCRIPTION and leave ALASKA_DESCRIPTION null.

130 ALASKA_HISTORY

Optional ? :Yes ; Varchar2 (3000) ;() ; ; Uppercase ? :No ;

A description of the name origin, and physical and/or cultural history of a feature. This table holds legacy data from the Alaska Dictionary. These records will be merged with the HISTORY column, and when completed, this column will be deleted.

Notes

Current GNIS Table/Column:
ALASKA FEATURE.HIST_NOTES

Data Loading Instructions: Load from the above columns keyed to FEATURE/FEATURE_ID_NMBR.

A single Alaska feature may have entries in either or both FEATURE NOTES.NOTE_TEXT where NOTE_TYPE = History and in ALASKA FEATURE.HIST_NOTES.

If in both: Load FEATURE NOTES.NOTE_TEXT to HISTORY and ALASKA FEATURE.HIST_NOTES to ALASKA_HISTORY.

If in one and not the other--in both cases, load to HISTORY and leave ALASKA_HISTORY null.

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TABLE DEFINITION
End of Report