

Oracle Designer

Report : TABLE DEFINITION
Filename : s:\documents\pdfs\fenm.pdf
Run by : DSHUGHES
Report Date : 12 May 2003
Total Pages : 8

Parameter Values

Workarea : GLOBAL SHARED WORKAREA
Container : GNIS
Container Version :
Recurse Sub-Containers : N
Tab/View/Snap Name : FEATURE_NAMES
Diagram :
Includes
Yes column Details :
Tables Created
On/After :
and On/Before : 12 May 2003
Tables Changed
On/After :
On/Before : 12 May 2003

Table Definition

Container : GNISVersion :

Table Name : FEATURE_NAMESAlias : FENM
Display Title : Feature Names

Description : The name of a feature. The Geographic Names Information System (GNIS) is the official Federal catalog of U.S. domestic and Antarctic place, feature, and area names. The feature name may be:

1. The official name of a feature approved by the President or Congress, or by U.S. Board On Geographic Names by decision or by policy.
2. The name of a country, state, county or equivalent entity as listed in the Federal Information Standards (FIPS) publications.
3. The name of a government or jurisdictional entity other than country, state, or county such as a national park or congressional district.
4. A variant. A variant is a name entered into the database as an unofficial name. There are four types of variants, 1) an historical name that is no longer official, 2) a name that is less used than the official name but is recognized locally, 3) a name that is not the official name but is incorrectly recorded on a map or in a document, and 4) a misspelling of an official name. A variant is not recognized as official by the Federal Government.

Volumes

Start Rows : 0End Rows : 0

Storage

Index-organized ? No

Column Summary

Col.Seq.	Column	Nulls ?	Type
10	FEATURE_ID	NOT NULL	NUMBER (10, 0)
20	FEATURE_NAME	NOT NULL	VARCHAR2 (100)
30	FEATURE_NAME_NONDIACRITIC	NOT NULL	VARCHAR2 (100)
40	FEATURE_NAME_OFFICIAL	NULL	VARCHAR2 (1)
50	ORIGINATOR	NULL	VARCHAR2 (2)
60	REFERENCE_TYPE	NULL	VARCHAR2 (10)
70	REFERENCE_CODE	NULL	NUMBER (8, 0)
80	REFERENCE_DETAIL	NULL	VARCHAR2 (100)
90	NAME_HISTORY	NULL	VARCHAR2 (1000)
100	DATE_CREATED	NOT NULL	DATE
110	CREATED_BY	NOT NULL	VARCHAR2 (50)
120	DATE_MODIFIED	NOT NULL	DATE
130	MODIFIED_BY	NOT NULL	VARCHAR2 (50)
140	FIPS55_ID	NULL	NUMBER (10, 0)

Primary Key

Table Definition

Container : GNIS Version :

<u>Name</u>	<u>Column</u>
FENM_PK	FEATURE_ID FEATURE_NAME

Foreign Keys

FENM_FEAT_FK

FEATURE_ID	references	FEATURES.FEATURE_ID
Transferable ?	Yes	Update Rule : Restricted
Mandatory ?	Yes	Delete Rule : Restricted

FENM_FERF_FK

ORIGINATOR	references	FEATURE_REFERENCES.ORIGINATOR
REFERENCE_TYPE	references	FEATURE_REFERENCES.REFERENCE_TYPE
REFERENCE_CODE	references	FEATURE_REFERENCES.REFERENCE_CODE
Transferable ?	Yes	Update Rule : Restricted
Mandatory ?	No	Delete Rule : Restricted

FENM_FIFE_FK

FIPS55_ID	references	FIPS55_FEATURES.FIPS55_ID
Transferable ?	Yes	Update Rule : Restricted
Mandatory ?	No	Delete Rule : Restricted

Index Summary

<u>Name</u>	<u>Seq.</u>	<u>Column</u>	<u>Index Type</u>
FEATURE_NAME_I	1	FEATURE_NAME	NOT UNIQUE
FEATURE_NAME_NONDIACRITIC_I	1	FEATURE_NAME_NONDIACRITIC	NOT UNIQUE
FEATURE_NAME_OFFICIAL_I	5	FEATURE_NAME_OFFICIAL	BITMAP
FENM_FEAT_FK_I	1	FEATURE_ID	NOT UNIQUE
FENM_FERF_FK_I	1	ORIGINATOR	NOT UNIQUE
FENM_FERF_FK_I	2	REFERENCE_TYPE	NOT UNIQUE
FENM_FERF_FK_I	3	REFERENCE_CODE	NOT UNIQUE
FENM_FIFE_FK_I	1	FIPS55_ID	NOT UNIQUE

Column Detail

10 FEATURE_ID

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

Unique identifying number for a feature record in the database. Part of the primary key for the table.

Notes Current GNIS Table/Column:

Table Definition

Container : GNISVersion :

Column Detail

FEATURE.FEATURE_ID_NMBR
CONCISE.CONCISE_ID_NMBR
ALASKA.ALASKA_ID_NMBR
ANTARCTIC.ANT_SEQ_NMBR
MILITARY FEATURE.FEATURE_ID_NMBR
CAVE_GAZ.FEATURE_ID_NMBR

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

20 FEATURE_NAME

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

The name of the feature. The feature name may be:

1. The official name of a feature approved by the President, or Congress, or by U.S. Board On Geographic Names by decision or by policy.
2. The name of a country, state, county or equivalent entity as listed in the Federal Information Standards (FIPS) publications.
3. The name of a government or jurisdictional entity other than country, state, county such as a congressional district.
4. A variant. A variant is a name entered into the database as an unofficial name. There are four types of variants, 1) a historical name that is no longer official, 2) a name that is less used than the official name but is recognized locally, 3) a name that is not the official name but is incorrectly recorded on a map or in a document, and 4) a misspelling of an official name. A variant is not recognized as official by the Federal Government.

NotesCurrent GNIS Table/Column for Feature Names:

FEATURE.FEATURE_NAME
FEATURE.DIACRITIC
CONCISE.CONCISE_NAME
ALASKA FEATURE.FEATURE_NAME
MILITARY FEATURE.FEATURE_NAME
CAVE_GAZ.FEATURE_NAME
ANTARCTIC.CODED_NAME
CONCISE.FEATURE

FEATURE VAR NAME.VARIANT_NAME
ALASKA VARIANT.VARIANT_NAME
MILITARY VAR NAME.VARIANT_NAME
CAVE VAR NAME.VARIANT_NAME
ANTARCTIC VARIANT.VARIANT_NAME
ANTARCTIC VARIANT.VARIANT_SPECIFICS
ANTARCTIC VARIANT.CODED_NAME
CONCISE.VAR_NAME

Data Loading Instructions: Data Loading Instructions: Load from
FEATURE.FEATURE_NAME and FEATURE VAR NAME.VARIANT_NAME, keyed on
FEATURE.FEATURE_ID_NMBR. Reconcile records in the other columns
to feature records and load or correct numbers as appropriate.

For feature names with values in the FEATURE.DIACRITIC column,
load the name from the FEATURE.DIACRITIC column not the
FEATURE_NAME.

Business Rules:

Table Definition

Container : GNISVersion :

Column Detail

A FEATURE_ID must have one and only one FEATURE_NAME with
FEATURE_NAME_TYPE = OFFICIAL.

If FEATURE_NAME_TYPE = OFFICIAL
Then FEATURE_NAME may not = "%nigger%" or "%jap %"

If FEATURE_NAME is new and FEATURE_NAME_TYPE = OFFICIAL
Or FEATURE_NAME_TYPE is changed to OFFICIAL
Then ORIGINATOR, REFERENCE TYPE, REFERENCE CODE must be not null

No parentheses allowed in feature names not = OFFICIAL.

30	FEATURE_NAME_NONDIACRITIC	<p>Optional ? :No ; Varchar2 (100) ;() ; ; Uppercase ? :No ;</p> <p>The feature name with diacritic marks removed. This name is not official.</p> <p><u>Notes</u>Current GNIS Table/Column: FEATURE.DIACRITIC_NAME FEATURE.FEATURE_NAME</p> <p>Data loading instructions: Load from FEATURE.DIACRITIC_NAME for those records that are not null for this column. Load from FEATURE.NAME for all others.</p> <p>This column will be maintained by a trigger converting FEATURE_NAME to FEATURE_NAME_NONDIACRITIC.</p>
40	FEATURE_NAME_OFFICIAL	<p>Optional ? :Yes ; Varchar2 (1) ;() ; ; Domain :YESNO ; Uppercase ? :Yes ;</p> <p>The name is the official feature name. Yes/No. Yes is represented by a 'Y' in the column. No is represented by null.</p> <p><u>Notes</u>Current GNIS Table/Column: FEATURE.FEATURE_NAME MILITARY FEATURE.FEATURE_NAME ANTARCTIC.CODED_NAME</p> <p>Data Loading Instructions: Feature Names loaded from these columns will be assigned a value of FEATURE_NAME_OFFICIAL = Y.</p>
50	ORIGINATOR	<p>Optional ? :Yes ; Varchar2 (2) ;() ; ; Uppercase ? :Yes ;</p> <p>This is a foreign key column for FEATURE_REFERENCES.ORIGINATOR. The originator, either the Federal Government or a state, of the map, atlas, or other text reference for a feature name or variant name. Allowable values are restricted to US or a state alpha code.</p> <p><u>Notes</u>Current GNIS Table/Column: FEATURE.BIBLIO_CODE</p> <p>Data loading instructions: See FEATURE_REFERENCES.ORIGINATOR. Key on FEATURE.BIBLIO_CODE and FEATURE_ID.</p>
60	REFERENCE_TYPE	<p>Optional ? :Yes ; Varchar2 (10) ;() ; ; Uppercase ? :Yes ;</p> <p>This is a foreign key column for FEATURE_REFERENCES.REFERENCE_TYPE. The type of the map, atlas, or other text reference for a feature name or variant name.</p>

Table Definition

Container : GNIS Version :

Column DetailNotesCurrent GNIS Table/Column:
FEATURE.BIBLIO_CODEData loading instructions: See
FEATURE_REFERENCES.REFERENCE_TYPE. Key on FEATURE.BIBLIO_CODE
and FEATURE_ID.

70 REFERENCE_CODE

Optional ? :Yes ; Number (8, 0) ;() ; ; Uppercase ? :No ;

This is a foreign key column for FEATURE_REFERENCES.REFERENCE_CODE. The code of
the map, atlas, or other text reference for a feature name or variant name.NotesCurrent GNIS Table/Column:
FEATURE.BIBLIO_CODEData loading instructions: See
FEATURE_REFERENCES.REFERENCE_CODE. Key on FEATURE.BIBLIO_CODE
and FEATURE_ID.

80 REFERENCE_DETAIL

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

Additional details concerning the feature reference as related to the name.

NotesCurrent GNIS Table/Column:
FEATURE.BIBLIO_CODE,
FEATURE VAR NAME.BIBLIO_CODE,
MILITARY FEATURE.BIBLIO_CODE,
MILITARY VARIANT.BIBLIO_CODE,Columns are in the format AA-BNNNNN/% with AA = either "US" or
State alpha code. B = M for Maps, T for Text, I for interview.
NNNNN = 1-5 digit number. Characters after the first / are free
form text including years, page numbers, volume numbers and
other information.Data Loading Instructions: Parse all text after the first / in
the above columns and load to this column.

90 NAME_HISTORY

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

Information concerning the history of the name.

NotesCurrent FIPS55 Table/Column:
FIPS55.DESCRPTIONData Loading Instructions: Load from above column keyed to
FEATURE_ID and FIPS_ID_NMBR.

100 DATE_CREATED

Optional ? :No ; Date ;() ; ; Domain :DATE CREATED ; Uppercase ? :No ; Default
Value :SYSDATE ;

The date the record was entered into the database.

NotesCurrent GNIS Table/Column:
FEATURE.ENTRY_ DATE
MILITARY FEATURE.ENTRY_ DATE
ANTARCTIC FEATURE.ENTRY_ DATE

Table Definition

Container : GNIS Version :

Column Detail

Data Loading Instructions: Load from above columns keyed to
FEATURE.FEATURE_ID

New entries will default to the system date when the record is
committed.

Note: This same data will be loaded to FEATURES.DATE CREATED.

110 CREATED_BY

Optional ? :No ; Varchar2 (50) ;() ; ; Domain :CREATED BY ; Uppercase ? :No ;
Default Value :UID ;

The user who created the feature name record in the database.

Notes Current GNIS Table/Column: None

Data Loading Instructions: Will default to the user ID when
future records are entered.

120 DATE_MODIFIED

Optional ? :No ; Date ;() ; ; Domain :DATE MODIFIED ; Uppercase ? :No ; Default
Value :SYSDATE ;

The date the feature name record was modified in the database.

Notes Current GNIS Table/Column: None

Data Loading Instructions: Will default to the system date when
future records are modified.

130 MODIFIED_BY

Optional ? :No ; Varchar2 (50) ;() ; ; Domain :MODIFIED BY ; Uppercase ? :No ;
Default Value :UID ;

The user who last modified the feature name record in the database.

Notes Current GNIS Table/Column: None

Instructions: Will default to the user ID when future records
are entered.

140 FIPS55_ID

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

Unique identifying number for a FIPS55 feature record in the database.

Notes FIPS55 Table/Column:
FIPS55.FIPS55_ID_NMBR

Data Loading Instructions: Load from above column.

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TABLE DEFINITION
End of Report