Appendix C: NVIS Database Structure Version 6.0

Dataset Documentation

CONTACT

#* CONTACT_ID
* AGENCY_ID

CONTACT_TYPE
CONTACT_NAME
CONTACT_ADDRESS
CONTACT_PHONE_NUMBERS
CONTACT_EMAIL

REFERENCE

#* REFERENCE_ID
* DATA_SET_ID

CITATION
FORMAT
STORAGE_LOCATION

MAPPING_SOURCE

#* MAPPING_SOURCE_ID
* DATA_SET_ID

MAPPING_SOURCE_NUMBER
MAPPING_METHOD
MAPPING_EXPERTISE
IMAGERY_SOURCE
IMAGERY_SCALE
IMAGERY_RESOLUTION
MAPPING_SOURCE_EXTENT
DELINEATION_MEDIUM
START_DATE_SOURCE
END_DATE_SOURCE
MAP_BASE

SPATIAL_COVERAGE (Attribute Table Format)

State - C/W

MAPUNT_IDENTIFIER
VEGDSC1 - NVISDSC1
> VEGDSC2 - NVISDSC2
> VEGDSC3 - NVISDSC3
> VEGDSC4 - NVISDSC4
> VEGDSC5 - NVISDSC5
> VEGDSC6 - NVISDSC6
* VEGPROP1
* VEGPROP2
* VEGPROP3
* VEGPROP4
* VEGPROP5
* VEGPROP6
NO_VEG_DESC
SPATIAL_MIX

(> Completed where a valid description exists.
* Optional. Completed where data are available.)

Note: The spatial coverage is not part of the NVIS database, but is an integral part of the NVIS system. The table of the spatial coverage contains the same information as the Map_Unit table but in a different format. The two formats are intended to be inter-convertible. The spatial table is represented here as an implicit relationship for completeness.

Inter-convertible formats

Vegetation Descriptions (NVIS Hierarchy)

AGENCY

#* AGENCY_ID

AGENCY_NAME
AGENCY_ADDRESS
AGENCY_LOCATION
STATE

DATA_SET

#* DATA_SET_ID
(* AGENCY_ID)
-------- *(Attribute Information)* ----------
DATA_SET_NAME
> (DATA_SET_NUMBER)
VEGETATION_THEME_CODE
VEGETATION_THEME_CONSTRAINTS
ANZLIC_METADATA_IDENTIFIER
ANZLIC_METADATA_NAME
ANZLIC_METADATA_URL
STRUCTURAL_CLASSFN_SYSTEM
FLORISTIC_GROUP_TYPE
CLASSIFICATION_METHOD
SAMPLING_TYPE
BOTANICAL_EXPERTISE
POSITIONAL_ACCURACY
POSITIONAL_ACCURACY_DETERM
POSITIONAL_ACCURACY_MEASURE
MAP_PUBLICATION_SCALE
FINEST_SCALE
BROADEST_SCALE
SURVEY_AND_MAP_RELIABILITY
START_DATE_ATTRIBUTE
END_DATE_ATTRIBUTE
START_DATE_SPATIAL
END_DATE_SPATIAL

> Optional – numbers applied by C/W

MAP_UNIT

#* MAP_UNIT_ID
* VEG_ID
* DATA_SET_ID

MAPUNT_IDENTIFIER
>(NVIS_ID)
SPATIAL_MIX
NUMBER_OF_VEG_DESCRIPTIONS
VEG_DESC_POSITION
VEG_DESC_PROPORTION
>> SOURCE_CODE
>> SOURCE_DESCRIPTION
>>> SOURCE_CODE_COMPONENT

> Optional for state – only if required for operational purposes
>> Only until mosaics are resolved, when fields moved to Veg table
>>> Field to be dropped after mosaics resolved

VEG_ DESCRIPTION

#* VEG_ID

> NVIS_ID
>> SOURCE_CODE
LEVEL_OF_DETAIL
NUMBER_OF_STRATA
L1_CLASS
L2_STRUCTURAL_FORMATION
L3_BROAD_FLORISTIC_FORMATION
L4_SUB_FORMATION
L5_ASSOCIATION
L6_SUB_ASSOCIATION
>> SOURCE_DESCRIPTION
ENVIRONMENTAL_DESCRIPTION

> Table index is VEG_ID in State; NVIS_ID in C/W. NVIS_ID is applied by C/W and stored by state as separate field.
>> When all mosaics have been resolved Optimal location for these fields

GROWTH_FORM

#* GROWTH_FORM_ID
* STRATUM_ID

GROWTH_FORM,_RANK
GROWTH_FORM_CODE
COVER_TYPE
COVER_TYPE_DERIV_METHOD
COVER_MINIMUM_VALUE
COVER_MAXIMUM_VALUE
COVER_MEDIAN_VALUE
COVER_MEAN_VALUE
GR_FORM_DOMINANCE_QUALIFIER
GROWTH_FORM_FREQUENCY
GROWTH_FORM_ALWAYS_THERE
GROWTH_FORM_SUMMARY_FLAG

STRATUM

#* STRATUM_ID
* VEG_ID

STRATUM_CODE
SUB_STRATUM_RANK
NUMBER_OF_GROWTH_FORMS
NUMBER_OF_TAXA
COVER_TYPE
COVER_TYPE_DERIV_METHOD
COVER_MINIMUM_VALUE
COVER_MAXIMUM_VALUE
COVER_MEDIAN_VALUE
COVER_MEAN_VALUE
COVER_CODE
HEIGHT_TYPE
HEIGHT_TYPE_DERIV_METHOD
HEIGHT_MINIMUM_VALUE
HEIGHT_MAXIMUM_VALUE
HEIGHT_MEAN_VALUE
HEIGHT_MEDIAN_VALUE
HEIGHT_CLASS
DOMINANT_STRATUM_FLAG

Detailed Stratum Attribution

TAXON LISTS

#* TAXON_LISTS_ID
* TAXON_LIST_ORIGIN_ID

TAXON_LISTS_SOURCE_CODE
TAXON_LISTS_FAMILY
TAXON_LISTS_GENUS
TAXON_LISTS_SPECIES
TAXON_LISTS_AUTHOR
TAXON_LISTS_INFRA_SPECIES_RANK
TAXON_LISTS_INFRA_SPECIES
TAXON_LISTS_INFRASP_AUTHOR
TAXON_LISTS_COMMON_NAME
TAXON_LISTS_REFERENCE

TAXON_DATA

#* TAXON_DATA_ID
* STRATUM_ID
* TAXON_LISTS_ID

TAXON_DATA_RANK
TAXON_DATA_DESCRIPTION
TAXON_DATA_SOURCE_CODE
COVER_TYPE
COVER_TYPE_DERIV_METHOD
COVER_MINIMUM_VALUE
COVER_MAXIMUM_VALUE
COVER_MEDIAN_VALUE
COVER_MEAN_VALUE
TAXON_DATA_DOMINANCE_QUALIFIER
TAXON_DATA__FREQUENCY
TAXON_DATA_ALWAYS_THERE
TAXON_DATA_SUMMARY_FLAG

TAXON_LIST _ORIGIN

#* TAXON_ TAXON_LIST_ORIGIN_ID

TAXON_LIST_ORIGIN_CUSTODIAN
TAXON_LIST_ORIGIN_STATE
TAXON_LIST_ORIGIN_DETAILS

LEGEND

Many to One

#* Primary Key; * Foreign Key

Dataset Information

Vegetation Descriptions & Map Unit Data

Detailed Stratum & Lower Level Information

NVIS Spatial Coverage – (Not necessarily SDE)

Unshaded Table: Not req'd for State NVIS D/B or State should have own equivalent