WASHINGTON NATURAL HERITAGE PROGRAM
WASHINGTON DEPARTMENT OF NATURAL RESROUCES

RARE PLANT AND NONVASCULAR SPECIES AND RARE ECOSYSTEMS GIS METADATA

January 2023

The Washington Natural Heritage Program (WNHP) data set contains the most authoritative information available for Washington's rare plant and nonvascular species populations and rare ecosystems. The use of these data may be used for environmental assessment or proprietary land management purposes that are consistent with the goals of Washington Natural Heritage Program. The WNHP data set represents an ongoing and incomplete inventory of the state and does not eliminate the need for field surveys.

The WNHP data set currently represents around 7,000 site-specific records of Washington's most significant elements of biodiversity, including:

- Rare vascular and nonvascular plant species
- Rare and/or high-quality terrestrial and wetland ecosystems of special concern

The WNHP data set provides key information including:

- State and global ranks of species rarity as maintained by the Natural Heritage Network
- State and federal listing status of species
- Generalized geographic locations of inventoried element occurrences and plant communities
- Date on which an element or community was last observed, and other information

Please visit our web site for more information about the Washington Natural Heritage Program. In addition to our GIS data, we have on-line field guides and publications.

SENSITIVE INFORMATION

To protect our state's most imperiled resources, the Washington Natural Heritage Program provides accurate, up-to-date information to landowners, land managers, planners, consultants, and scientists. To aid the protection of rare species, we provide information that includes known locations of rare species populations. However, distributing precise locations of the most vulnerable species could compromise their protection and compromise landowners' interests as well. The Natural Heritage Network treats precise locations of rare species populations as sensitive information.

In designing the WNHP dataset, our goal was to create a distributable GIS dataset usable in land use planning, land management, and conservation projects. In order to balance the interests of data users with species protection, the precise locations of rare plant populations are not included. These locations are instead represented by 'areas-of-concern'. Occurrences of species considered critically imperiled are generalized as larger areas-of-concern polygons.

Some known element occurrences have been completely removed from this dataset before distribution because information on these elements is considered sensitive at this time.

Locations of high-quality wetland and terrestrial ecosystems are not considered sensitive information; these mapped boundaries represent precise locations in the WNHP dataset.

GEOGRAPHIC EXTENT AND COMPLETENESS

This dataset represents information archived by WNHP within Washington State as of the date at the top of this document. Staff update the internal WNHP database as new information is available. This dataset is updated approximately every 6 months. Datasets that are over 1 year old should be updated by downloading a new dataset from http://data-wadnr.opendata.arcgis.com/datasets?group_ids=266f0b3bdc014f5ab2a96ad4ea358a28.

The WNHP dataset is the most authoritative source of rare plant, nonvascular, and ecosystem population information for Washington State. However, absence of information in this dataset for any given location does not indicate that it lacks significant natural features. Many areas of the state have not been adequately inventoried for these rare features. For areas with no features in the dataset and for features in this dataset that have not been inventoried recently, survey by a trained scientist would be required to verify the presence or absence of rare features.

TOPOLOGY

The features in this dataset (element occurrences) can be either single polygons or multipart polygons. It is also possible for the polygon or multipart polygons to contain holes. Overlapping polygons, including those with identical geometry, are also common in this dataset.

FEATURE CLASS DESCRIPTION

This feature class contains all records in our database. The "recent" versus "historical" data are delineated based on the values in the "EO_RANK" field. EO_RANK values of "H", "X", or "X?" are

historical, extirpated, or presumed extirpated. Recent is defined here as records collected within the last 40 years. These occurrences are believed to be extant.

DATA USE GUIDELINES AND CITATION

The Washington Natural Heritage Program (WNHP) provides data on endangered, threatened, and sensitive plant and nonvascular species and rare and high-quality ecosystems in the state of Washington. These data do not represent a complete inventory of the state and do not eliminate the need for site specific surveys. Field verification of the absence or presence of sensitive species and biological communities will always be the responsibility of users of Natural Heritage data.

These data are available for non-commercial conservation, educational, and research use, but should not be repackaged or redistributed. Should you be asked by individuals outside your organization for the type of data that we provide, please refer them to WNHP.

Appropriate acknowledgment of the Washington Natural Heritage Program should be made in any reports or other products derived from these data using the following format:

　　　　Citation: Washington Natural Heritage Program. . Washington Natural Heritage Program, Washington Department of Natural Resources. Olympia, WA. U.S.A. Available at https://www.dnr.wa.gov/NHPdata. (Accessed:)

　　　　for example: Washington Natural Heritage Program. 2018. Washington Natural Heritage Program, Washington Department of Natural Resources. Olympia, WA. U.S.A. Available at https://www.dnr.wa.gov/NHPdata. (Accessed: 09/22/2018).

　　　　Acknowledgement Statement: This information is provided by the Washington Natural Heritage Program (www.wa.dnr.gov/natural-heritage-program), Washington's primary source of information about rare and endangered species, and threatened ecosystems.

Data may be downloaded and altered in format for analytical purposes, however the data should still be referenced using the citation as formatted above. Data should not be used in other web applications without specific permission.

This is a dynamic dataset. WNHP refines, updates and adds data and information daily. As such, the data products will become outdated over time. Interested parties are encouraged to obtain the most current information possible from WNHP, rather than using older datasets.

WNHP staff and contractors do not access privately-owned lands without express permission from the landowner. However, the program cannot guarantee that information provided to us by others was obtained under adherence to this policy.

WNHP has no natural resource management or regulatory authority. Products, statements, and services from WNHP are intended to inform parties as to the state of scientific knowledge about certain natural resources, and to further develop that knowledge. The information is not intended as natural resource management guidelines or prescriptions or a determination of environmental impacts. WNHP recommends consultation with appropriate state, federal, local and tribal resource management agencies and authorities in the area where your project is located.

Feedback Request: Sources of Natural Heritage data include museum specimens, published and unpublished scientific literature, field surveys by state and federal agencies and private contractors, and reports from knowledgeable individuals. WNHP actively solicits and encourages additions, corrections and updates, new observations or collections, and comments on any of the data we provide; see https://www.dnr.wa.gov/NHPdata for more information.

GLOSSARY

Element: An Element is a unit of natural biological diversity. Elements represent species (or infraspecific taxa), natural communities, or other non-taxonomic biological entities (e.g., migratory species aggregation areas).

Element Occurrence (EO): An area of land and/or water in which an Element is, or was, present.

Area of Concern: An area representing the general location of an element occurrence. The occurrence location is generalized in order to prevent intended or unintended damage to the element.

CONTACTS AT WNHP

Information Requests – WNHP data require biological expertise for proper interpretation and use in analysis. Requests for additional data archived by WNHP should be address to:

NATURAL HERITAGE PROGRAM – INFORMATION REQUESTS
CRT DIVISION
WASHINGTON DEPARTMENT OF NATURAL RESOURCES
PO BOX 47014
OLYMPIA WA 98504 7014

Fax: 360.902.1789

Email: natural_heritage_program@dnr.wa.gov

Data Steward – for questions about this dataset please contact:

BRUCE O. SCHNEIDER
NATURAL HERITAGE PROGRAM
CRT DIVISION
WASHINGTON DEPARTMENT OF NATURAL RESOURCES
PO BOX 47014
OLYMPIA WA 98504 7014

Phone: 360.902.1531
Email: bruce.schneider@dnr.wa.gov

ELEMENT OCCURRENCES FIELD AND ATTRIBUTE DEFINITIONS (Field aliases in parentheses)

OBJECTID
A unique, not null integer field used to uniquely identify rows in tables in a geodatabase that is generated by ESRI software.

Shape
Geometry data in ESRI format.

EO_ID (EO ID)
Unique ID for the element occurrence.

EO_NUM (EO NUMBER)
EO number. Unique observation ID number of the element occurrence for that particular species/ecosystem.

SHAPE_ID (SHAPE ID)
Unique identifier for the underlying shape.

SCI_NAME (SCIENTIFIC NAME)
Scientific name. Recognized scientific name of the element.

COM_NAME (COMMON NAME)
Common name. Common name of the element, as recognized by WNHP.

ELCODE (ELEMENT CODE)
Element code. A 10 character alphanumeric code that is a unique ID for the element.

EOCODE (EO CODE)
Element occurrence code. Unique alphanumeric code for an element occurrence that is comprised of the EL_CODE, the occurrence number of the observation, and 'WA' to uniquely tie the observation to the state of Washington.

SPP_CODE (SPECIES CODE)
Species code.   A unique species code as defined in the USDA Plants database (https://plants.usda.gov/java/). The code is usually 4 characters long. The first 2 characters are the first 2 characters of the genus name. The second 2 characters are usually the first 2 characters of the species name. If there are multiple species with identical codes, a modifying number is added to create a unique code.

ELEMENT_TYPE (ELEMENT TYPE)
Element type. This indicates whether the element is
        -Rare Animal
        -Rare Nonvascular

-Rare Plant
- Rare or High-Quality Ecosystem (formerly Rare Upland or High-Quality Common Ecological Community and Rare Wetland or Riparian Ecological Community)

NAME_TYPE (NAME TYPE)

Name type. Value that indicates the type of Element described by the Scientific Name.

NAME_CATEGORY (NAME CATEGORY)

Name category. Value that indicates the broad biological category for each noteworthy species. Values include "Fungus", "International Terrestrial Ecological System Classification", "International Vegetation Classification – Natural", "Invertebrate Animal", "Nonvascular Plant", "Other (Ecological)", "Terrestrial Community – Other Classification", "Vascular Plant", and "Vertebrate Animal".

FED_STAT (FEDERAL STATUS)

Federal Status. Listed federal status of the taxon under the U.S. Endangered Species Act.

LE Listed Endangered. Any taxon that is in danger of extinction throughout all or a significant portion of its range and which has been formally listed as such in the Federal Register pursuant to the Federal Endangered Species Act.

LT Listed Threatened. Any taxon, which is likely to become endangered within the foreseeable future throughout all or a significant portion of its range and which has been formally listed as such in the Federal Register pursuant to the Federal Endangered Species Act.

C Candidate. Taxon for which the U.S. Fish and Wildlife Service has on file sufficient information on biological vulnerability and threat(s) to support proposals to list it as an endangered or threatened species.

FED_STAT_DESC (FEDERAL STATUS DESCRIPTION)

Federal status description. Details, in longer form, what the code from FED_STAT signifies without requiring a look-up of definitions like those provided above.

STATE_STAT (STATE STATUS)

State Status. Listed state status of the taxon, which takes into account abundance, occurrence patterns, vulnerability, threats, existing protection, and taxonomic distinctness.

E Endangered. In danger of becoming extinct or extirpated from Washington within the foreseeable future if factors contributing to its decline continue. Populations of this taxon are at critically low levels or its habitats have been degraded or depleted to a significant degree.

T Threatened. Likely to become endangered in Washington within the foreseeable future if factors contributing to its population decline or habitat degradation or loss continues.

S Sensitive. Vulnerable or declining and could become Endangered or Threatened in the state without active management or removal of threats.

X Extirpated. Considered to be possibly extinct or extirpated from Washington based on recent field searches. A taxon listed as Extirpated may be a high priority for field investigations and, if found, would be assigned another value

Blank No state status has been assigned.

STATE_STAT_DESC (STATE STATUS DESCRIPTION)
State status description. Details, in longer form, what the code from STATE_STAT signifies without requiring a look-up of definitions like those provided above.

G_RANK (GLOBAL RANK)
Global Rank. Global rank characterizes the relative rarity or endangerment of the element worldwide. Factors including, but not limited to, number of occurrences are considered when assigning a rank. Two codes (i.e., G1G2) are used to indicate a range of ranks.

G1   Critically imperiled globally because of extreme rarity or because of some factor(s) making it especially vulnerable to extinction. (Typically 5 or fewer occurrences or very few remaining individuals or acres).

G2   Imperiled globally because of rarity or because of some factor(s) making it very vulnerable to extinction throughout its range. (6 to 20 occurrences or few remaining individuals or acres).

G3   Either very rare and local throughout its range or found locally (even abundantly at some of its locations) in a restricted range (e.g., a single western state, a physiographic region in the East) or because of other factors making it vulnerable to extinction throughout its range. (21 to 100 occurrences)

G4   Widespread, abundant, and apparently secure globally, though it may be quite rare in parts of its range, especially at the periphery. Thus, the element is of long term concern. (Usually more than 100 occurrences)

G5   Demonstrably widespread, abundant, and secure globally, though it may be quite rare in parts of its range, especially at the periphery.

GU   Unrankable. Possibly in peril range wide but status uncertain. More information is needed.

GNR   Sufficient time and effort have not yet been devoted to ranking of this taxon.

The following qualifiers are used in conjunction with the Global Ranks described above.

T*   Where * is a number or letter similar to those for the G ranks listed above, but indicating subspecies or variety. For example, 'G3TH' indicates a species that is ranked G3 with this subspecies ranked as historic.

Q   Taxonomic status is questionable and the numeric rank may change with taxonomy.

?   The specified rank is uncertain; more information may be needed to assign a rank with certainty.

G_RANK_DESC (GLOBAL RANK DESCRIPTION)
Global rank descriptions. Details, in longer form, what the G_RANK signifies without requiring a look-up of definitions like those provided above.

S_RANK (STATE RANK)
State rank. State rank characterizes the relative rarity or endangerment within the state of Washington. Factors including, but not limited to, number of known occurrences are considered when assigning a rank. Two codes together represent an inexact range (e.g., S1S2) or different ranks for breeding and non-breeding populations (e.g., S1B, S3N).

S1   Critically imperiled in the state because of extreme rarity or other factors making it especially vulnerable to extirpation from the state. (Typically 5 or fewer occurrences or very few remaining individuals or acres)

S2   Imperiled in the state because of rarity or other factors making it very vulnerable to extirpation from the state. (Typically 6 to 20 occurrences or few remaining individuals or acres)

S3   Rare or uncommon in the state. (Typically 21 to 100 occurrences)

S4   Widespread, abundant, and apparently secure in state, with many occurrences, but the taxon is of long term concern. (Usually more than 100 occurrences)

S5   Demonstrably widespread, abundant, and secure in the state; believed to be ineradicable under present conditions.

SH   There are historical occurrences, perhaps not verified in the past 20 years, but the taxon is suspected to still exist in the state.

SU   Possibly in peril in the state, but status is uncertain. More information is need.

SX   Believed to be extirpated from the state with little likelihood that it will be rediscovered.

SNR   Sufficient time and effort have not yet been devoted to ranking of this taxon.

The following qualifiers are used in conjunction with the state rank values described above.

'?' qualifier is used with numeric ranks to denote uncertainty; more information may be needed to assign a rank with certainty. The '?' qualifies the character it follows (e.g., 'SE?' denotes uncertainty of exotic status).

S_RANK_DESC (STATE RANK DESCRIPTION)
State rank description. Details, in longer form, what the S_RANK signifies without requiring a look-up of definitions like those provided above.

EO_RANK (EO RANK)
Element occurrence rank. Rank assigned as an assessment of the quality and viability of an individual element occurrence. This rank, which is somewhat element specific, is based on condition and size of the occurrence and the quality of the immediate landscape. EO_RANK represents the relative value of an element occurrence with respect to others of that element. This rank is assigned by a professional biologist who has been trained in Heritage methodology and is familiar with the particular element. For each element, clearly defined Element Occurrence Specifications are developed and used to assure that different biologists would assign the same rank to any particular element occurrence. Two codes together represent an inexact range (e.g., BD).

A   Excellent
B   Good
C   Fair
D   Poor
E   Verified extant
F   Failed to find the element at the mapped location of the element occurrence
H   Possibly extirpated (historical)
X   Extirpated (no longer present)
Blank   Not ranked.

The following qualifier is used in conjunction with the EO ranks described above.

? The specified rank is uncertain; more information may be needed to assign a rank with certainty.

EO_RANK_DESC (EO RANK DESCRIPTION)
EO rank description. Details, in longer form, what the EO_RANK signifies without requiring a look-up of definitions like those provided above.

EO_RANK_COM (EO RANK COMMENT)
EO rank comment. If a comment was provided to explain how an EO attained a particular rank, that comment would be found in this field.

EO_RANK_DATE (EO RANK DATE)
EO rank date. The date that the EO was ranked.

EO_DATA (EO DATA)
EO data. For species Elements, data collected on the biology of this Element Occurrence (EO), including the number of individuals, vigor, habitat, soils, associated species, peculiar characteristics, etc.
For community Elements, summary text (i.e., capsule) description of the vegetation of the EO, including structure (strata) and composition (dominant/characteristic species), heterogeneity, successional stage/dynamics, any unique aspects of the community or additional noteworthy species (including animals).

ID_CONF (IDENTITY CONFIRMED)
Identification confirmed. Value indicates whether taxonomic identification of the Element represented by this occurrence has been confirmed by a reliable individual.

REP_ACCY (ESTIMATED REPRESENTATIONAL ACCURACY)
Representation accuracy. Value indicates the level of accuracy associated with the Element Occurrence (EO). Accuracy varies on the basis of area observed to be occupied by the Element relative to the area contained within the footprint of the EO. Differences in these two values result from incorporation of additional area within the EO boundary to incorporate associated locational uncertainty. Representation Accuracy (RA) provides a common index for the consistent comparison of EOs, thus helping to ensure that aggregated data are correctly analyzed and interpreted.

PRECISION (EO PRECISION)
Precision code. One character code indicating relative level of mapping precision.
      S   Location is precise. Most likely mapped at 1:24,000 scale or better.
      M   Location is believed to be accurate within a 1 mile radius.
      G   Location is known from general information and believed to be accurate within a 5 mile radius.

PRECISION_DESC (PRECISION DESCRIPTION)
Precision description. Details, in longer form, what the PRECISION signifies without requiring a look-up of definitions like those provided above.

CONF_EXT (CONFIDENCE OF EXTENT)
Confidence extent. Value that indicates whether the full extent of the Element is known (i.e., has been determined through field survey) at that location and, therefore, is represented by the Element Occurrence (EO).

> Y - Confident full extent of EO is known
> N - Confident full extent of EO is NOT known
> ? - Uncertain whether full extent of EO is known
> (null) - Not assessed

ACRES (EO OBSERVED AREA ACRES)
EO observed area acres. The total area of the Element Occurrence, which is measured or estimated during field work.

ADD_INVENTORY (ADDITIONAL INVENTORY NEEDED)
Additional inventory needed. Indicates that additional survey work is needed for this Element Occurrence.

ADD_INVENTORY_COM (ADDITIONAL INVENTORY COMMENT)
Additional inventory needed comments. Comments related to any additional survey work that is needed for this Element Occurrence.

GEN_DESC (GENERAL DESCRIPTION)
General description. General (capsule) description or word picture of the area where the EO is located (i.e., the physical setting/context surrounding the EO), including a list of adjacent communities. Also, when available, information on surrounding land use should be included.

GENERAL_COM (GENERAL COMMENT)
General comments. General comments concerning the EO that have not been addressed in other fields in this record.

EO_SENS (EO SENSITIVE)
EO data sensitive. Value indicates whether or not locational information of this EO is sensitive and should be restricted from unsecured use.
> Yes – always sensitive
> No – never sensitive
> Conditional – depends on how data are being used

EO_SENS_CATEGORY (EO SENSITIVE CATEGORY)
EO data sensitive category. Value that best captures the category/reasoning for which this EO is considered sensitive and should be restricted from unsecured use.
> Poaching/Collection Threat (e.g. cacti, orchids, ginseng, turtles)
> Proprietary Data (e.g. restrictions from the data owner / source such as a university or other agency)

Land Owner Restrictions (e.g. private land - owner granted permission for survey but restricted uses of data about species on their land)

EO_SENS_REASONS (EO SENSITIVE REASONS)
EO data sensitive reasons. Explanation of why locational information of this EO is sensitive and restricted.

FIRST_OBS (FIRST OBSERVED DATE)
First observed date. Date that the EO was first reported at the site.

LAST_OBS (YEAR LAST OBSERVED)
Last observed year. Year that the EO was last reported at the site.

SURVEY_DATE (LAST SURVEY DATE)
Survey date. Date of the last (i.e. most recent) field survey for the EO, regardless of whether it was found during the visit.

DIRECTIONS (DIRECTIONS)
Directions. Precise directions to the EO that use a readily locatable and relatively permanent landmark on or near the site (such as a road intersection, a prominent hilltop, or a cliff) as the starting point.

SURVEY_SITES (SURVEY SITES)
Survey sites. The name of the survey site where the EO is located, in cases when a formal Conservation Site design has not been completed.

SURVEYORS (SURVEYORS)
Surveyors. Name(s) of the person(s) who collected field survey information on the EO.

PLANT_ASSOC (PLANT ASSOCIATION)
Plant associations. These are the plants that define the ecological community of this EO.

ASSOC_SPP (ASSOCIATED SPECIES)
Associated species- you can think of this as species that are known to co-occur.This field reflects the 'plant association' that the EO is associated with at this site. In general, a plant association is a recurring set of plant species found together in a similar ecological setting. The plant association concepts in this field represent a mix of plant community concepts ranging from ad-hoc types, concepts from the scientific literature, Washington Natural Heritage Program natural community types, and U.S. National Vegetation Classification (USNVC) plant associations. These concepts have not been standardized to the current U.S. National Vegetation Classification taxonomy.

LATITUDE (LATITUDE DMS)
Latitude DMS. Represents the latitude, in degrees minutes seconds, of the centroid of the feature. The format is DDMMSS plus an N for North (so 460859N for 46º8'59" N).

LONGITUDE (LONGITUDE DMS)
Longitude DMS. Represents the longitude, in degrees minutes seconds, of the centroid of the feature. The format is DDDMMSS plus a W for West (so 1203035W for 120º30'35"W).

X_CENTROID (X CENTROID)
X centroid. Represents the number of feet East of the origin point for the Washington State Plane South coordinate system (WKID 2927).

Y_CENTROID (Y CENTROID)
Y centroid. Represents the number of feet North of the origin point for the Washington State Plane South coordinate system (WKID 2927).

MIN_ELEV (MINIMUM ELEVATION)
Minimum elevation. The minimum elevation should represent the lowest altitude in feet, above or below sea level, at which the EO is found.

MAX_ELEV (MAXIMUM ELEVATION)
Maximum elevation. The maximum elevation should represent the highest altitude in feet, above or below sea level, at which the EO is found.

ASPECT (ASPECT)
Aspect. Denotes the compass direction in which the slope of an EO faces.

SLOPE (SLOPE)
Slope. Denotes the relative flatness or steepness of the area in which the EO resides.

COUNTY (COUNTIES)
County. Lists the county or counties the EO is within.

QUADS (QUADS)
Quads. Indicates the number(s) and name(s) of the USGS Quad(s) that the EO is within.

QUAD_CODES (QUAD CODES)
Quad Codes. Indicates the number(s) of the USGS Quad(s) that the EO is within.

QUAD_NAMES (QUAD NAMES)
Quad names. Indicates the name(s) of the USGS Quad(s) that the EO is within.

WATERSHED (WATERSHEDS HUC8)
Watersheds HUC8. Indicates the HUC8 code(s) and name(s) of the watershed(s) that the EO is within.

PHYS_PROVINCES (PHYSIOGRAPHIC PROVINCES)
Physiographic provinces. Indicates the physiographic province(s) that the EO is within.

TRS (TRS)
Township Range Section. Indicates the Township Range Section(s) that the EO is within. This includes, when available, the quarter-section within the section (such as 028N010W S44 NW, denoting the northwest quadrant of Section 44 of Township 28N Range 10W).

TRS_NO_QQ (TRS NO QUARTERQUARTER)
Township Range Section with No Quarter-Quarters. Indicates the Township Range Section(s) that the EO is within, excluding the quadrant information. One example is 028N010W S44, denoting Section 44 of Township 28N Range 10W.

MA_NAMES (MANAGED AREA NAMES)
Managed area names. Indicates the name(s) of a Managed Area that the EO resides in, such as a federal National Park or a state Natural Area Preserve.

MGMT_COM (MANAGEMENT COMMENT)
Management comment. These are comments relating to management concerns near/around the EO, such as "Reed canary grass is a concern" at this site, or "Road maintenance could be a threat if deeper road cut is necessary".

PROT_COM (PROTECTION COMMENT)
Protection comment. These are comments on any legal protection needed to ensure continued existence of the Element Occurrence (EO), and the chances and means of fulfilling those needs.

SPECL_STAT (SPECIAL STATUS)
Special status. Indicates whether the area has some "special" status attributed to it. The field can contain zero-to-three separate three-letter codes (i.e. the letters 1-3 have meaning, letters 4-6 have meaning, and letters 7-9 have meaning). The 3-letter special status codes are:

ACE...... Area of Critical Environmental Concern
CPL……. County Park
MPK….. Municipal Park
IND……. Indian Reservation
MR ….. Military Reservation
ERP……..Environmental Research Park (nuclear reservation)
PD ….. BLM-General Public Domain
NF ….. National Forest
IFL…….. Inholding in National Forest
EWA….. Established Wilderness Area
NHS…… National Historic Site
NPK…… National Park
NM …. National Monument
NRA…… National Recreation Area
NVM…. National Volcanic Monument

NWR…. National Wildlife Refuge
SAG…... Scenic Area – General management
SAS……. Scenic Area – Special management
SAU…… Scenic Area – Urban
SCA……. State Conservation Area ("NRCA")
DNR…… State Department of Natural Resources
SAN……. State Estuarine Sanctuary
SFH……. State Fish Hatchery
SPK……. State Park
SHA…… State Park Historical Area
SNA…… State Park Natural Area
BSA…… State University Natural Area
NFA…… State Park Natural Forest Area
UAA…… State University Property
WA   …. State Wildlife Area
WNA…. State Department of Fish and Wildlife Natural Area
NAP….. Natural Area Preserve
RNA….. Research Natural Area
PRN….. Proposed Research Natural Area
ONA…. Outstanding Natural Area
REG….. Registry Site
PRS…… Proposed Registry Site
SI   ……. Special Interest – other
SIA……. Special Interest – Archaeological
SIB……. Special Interest – Biological
SIG……. Special Interest – Geological
TNC…… The Nature Conservancy Preserve
EAN…… Private, Conservation Easement

Examples: "NF EWANRA" = National Forest – Establish Wilderness Area – National Recreation Area
                 (Lake Chelan NRA)
                 "ERPWA NM" = Environmental Research Park – State Wildlife Area – National
                 Monument (Hanford)
                 "NF RNA" = National Forest – Research Natural Area

OWNER (OWNER)
Owner. Indicates the owner's name, if known. Often, the owner will be the same agency or organization as the managing institution, although this is not always the case.

OWNER_COM (OWNER COMMENT)
Owner comment.

SPECIMEN (SPECIMEN DESCRIPTION)
Specimen description. Citation(s) for old specimens or other vouchers for this Element Occurrence (EO).

GENUS (GENUS)

Genus. Indicates the genus taxonomic rank for the species.

FAMILY (FAMILY)

Family. Indicates the family taxonomic rank for the species.

TAX_ORDER (TAXONOMIC ORDER)

Order. Indicates the order taxonomic rank for the species.

CLASS (CLASS)

Class. Indicates the class taxonomic rank for the species.

PHYLUM (PHYLUM)

Phylum. Indicates the phylum taxonomic rank for the species.

KINGDOM (KINGDOM)

Kingdom. Indicates the kingdom taxonomic rank for the species.

CREATE_DATE (RECORD CREATED DATE)

Created date. The data that this record was created.

MOD_DATE (RECORD LAST MODIFIED)

Modified date. The date that this record was last modified.

DATA_CUR (DATA CURRENT)

Data Current Date. The date assigned to each record represents the update version of the GIS dataset. WNHP schedules its update of this dataset approximately twice year. Format is YYYYMMDD and is replicated in all records with each update.

Shape_Length

Length of the perimeter/circumference of the feature, in feet.

Shape_Area

Area of the feature, in square feet.