

THE NATIONAL WETLAND PLANT LIST: 2016 WETLAND RATINGS

ROBERT W. LICHVAR

U.S. Army Engineer Research and Development Center
Cold Regions Research and Engineering Laboratory
72 Lyme Road
Hanover, New Hampshire 03755-1290

DARIN L. BANKS

U.S. Environmental Protection Agency, Region 7
Watershed Support, Wetland and Stream Protection Section
11201 Renner Boulevard
Lenexa, Kansas 66219

WILLIAM N. KIRCHNER

U.S. Fish and Wildlife Service, Region 1
911 NE 11th Avenue
Portland, Oregon 97232

NORMAN C. MELVIN

USDA Natural Resources Conservation Service
Central National Technology Support Center
501 W. Felix Street, Bldg. 23
Fort Worth, Texas 76115-3404

ABSTRACT

The U.S. Army Corps of Engineers (Corps) administers the National Wetland Plant List (NWPL) for the United States (U.S.) and its territories. Responsibility for the NWPL was transferred to the Corps from the U.S. Fish and Wildlife Service (FWS) in 2006. From 2006 to 2012 the Corps led an interagency effort to update the list in conjunction with the U.S. Environmental Protection Agency (EPA), the FWS, and the USDA Natural Resources Conservation Service (NRCS), culminating in the publication of the 2012 NWPL. In 2013 and 2014 geographic ranges and nomenclature were updated. This paper presents the fourth update of the list under Corps administration. During the current update, the indicator status of 1689 species was reviewed. A total of 306 ratings of 186 species were changed during the update. The changes were to decrease rating variability nationally, in response to user requests, and to include a re-evaluation South Pacific Island species. The 2012 list included 7828 species, the 2013 update included 7937 species, and the 2014 update included 8057. The 2016 NWPL includes 8092 species. As part of the authorization of the revised 2016 NWPL, all future changes must be vetted in the Federal Register according to a new schedule for biannual updates.

Since the Corps assumed administrative responsibilities for the National Wetland Plant List (NWPL) in 2006, the list has gone through an extensive updating process that culminated in its authorization for national use in May 2012 (Federal Register 2012; Lichvar 2012). The development of the 2012 list was a cooperative effort between four federal government agencies: the Corps, the EPA, the FWS, and the NRCS. The effort was managed by a National Panel (NP) consisting of representatives from the four agencies. The NWPL is the standard reference for wetland indicator status ratings of vascular plants in the United States and territories, and is used for many purposes, including wetland delineation, assessment, mitigation, and habitat restoration. The NWPL is available to all users through a web application (http://wetland_plants.usace.army.mil/). The 2012

update built on the legacy of the FWS's 1988 (Reed 1988), 1993 Region 9 (Northwest) Supplement (Reed 1993), and draft 1996 wetland plant lists. It updated all taxonomic views and nomenclature in accordance with Biota North America Program (BONAP) and revised wetland ratings (Lichvar & Minkin 2008). Additionally, the 2012 revision included several changes to the management of the NWPL, along with revised definitions of wetland categories, new Corps geographic wetland regions, protocols for challenging wetland ratings, and procedures for annual revisions.

As with previous versions of the wetland plant list, the 2012 NWPL and updates support wetland delineation efforts under Sec. 404 of the Clean Water Act, the Swampbuster provisions of the Farm Bill (as amended), and the National Wetland Inventory Program. To accomplish this more effectively, the Corps realigned the NWPL's geographic regions to correspond to those of federal wetland efforts, including the interagency wetland delineation manual and its regional wetland delineation supplements. The NWPL is divided using the 10 regional Corps wetland delineation regions for the U.S. and its territories (Wakeley 2002) (Appendices A – C). Included within four of these Corps regions are 17 subregions in which small numbers of wetland plants have wetland ratings that differ from the ratings for the same plants in the rest of the region. For example, *Aralia spinosa* L. is rated FACU in the Western Gulf Coast subregion and FAC in the rest of the Atlantic and Gulf Coastal Plain region.

The five wetland rating categories in the NWPL were developed in the 1980s by Reed (1988). Each plant species was assigned a rating representing the estimated probability, or frequency, with which it was thought to occur in wetlands, as opposed to non-wetlands, across its entire range. The 1988 ratings were divided into categories based on quantitative ranges of frequency, but the 2012 ratings were based on simpler qualitative definitions (Table 1) (Lichvar et al. 2012). Regional panel (RP) and NP members from the four cooperating Federal agencies use their best professional judgment to assign indicator status ratings to each species based on a review of the botanical literature and herbarium records, and field experiences. Quantitative rating definitions are still used, but only for field testing of wetland ratings.

Table 1. Short qualitative descriptions of the five wetland indicator status ratings used to determine if vegetation is hydrophytic during wetland delineations in the United States.

Indicator status	Designation	Qualitative Description (Lichvar et al. 2012)
Obligate (OBL)	Hydrophyte	Almost always occur in wetland.
Facultative Wetland (FACW)	Hydrophyte	Usually occur in wetland, but may occur in nonwetland.
Facultative (FAC)	Hydrophyte	Occur in wetland and nonwetland.
Facultative Upland (FACU)	Nonhydrophyte	Usually occur in non-wetland, but may occur in wetland.
Upland (UPL)	Nonhydrophyte	Almost never occur in wetland.

Annual Update Process

As part of the 2016 NWPL update, representatives from each of the four Federal agencies responsible for the NWPL agreed on a standardized schedule for managing the list, described in the Final announcement of the NWPL update (Federal Register, 2016). Under the 2016 NWPL authorization, all NWPL updates must be vetted in the Federal Register. In particular, NWPL updates include additions or deletions to the list; modifications to wetland indicator statuses; and updates of the nomenclature, taxonomy, habitat citations from the literature, and geographic distributions of species on the NWPL.

Biennial NWPL updates will ensure that nomenclature and taxonomy do not become outdated and wetland ratings can be refined as new information becomes available. Updates will occur according to the following procedures. A change in indicator status may be requested at any time at <http://wetland.plants.usace.army.mil/> by clicking on the “Submit a NWPL Change Request” link and submitting the appropriate data. Data includes ecological or geographic data, literature reviews, testing descriptions, and frequency and abundance data for the taxon in wetlands and uplands in the Corps wetland region or subregion for which the change is proposed. The regions and subregions are based on Land Resource Regions (LRRs) and Major Land Resource Areas (MLRAs) (<http://soils.usda.gov/survey/geography/mlra/>) and are shown for each wetland supplement region on the NWPL Web site. If the commenter feels that a wetland supplement region needs a subregion that has not yet been developed, the commenter should identify the MLRAs involved and provide a list of species from within that region that need their own wetland ratings. Proposed rating changes will be compiled in January of odd years (i.e., 2017, 2019) and sent to the RPs for input in February. The NP will assign wetland ratings to non-consensus species and will review all regional lists in April. The proposed changes will be compiled over the summer and published in the Federal Register for public comment in September. In October, public comments will be summarized and the NP will review and respond to comments. The final changes will be published in the Federal Register in December of odd years.

The 2016 NWPL Update

The 2012 NWPL contained 7828 species and the 2013 NWPL contained 7937 wetland plants for the United States and its territories. Newly suggested additions to the list and geographic range extensions increased the 2014 NWPL to 8061 wetland plants. Four species were removed from the list as they were determined to be rated UPL in all regions in which they occur, reducing the total species on the 2014 NWPL to 8057. There are 8053 species on the 2016 NWPL (± 127 in the SPI) (Federal Register 2016). No nomenclatural changes were made during the 2016 NWPL update. As with the 2014 list, nomenclature is according to BONAP (Kartesz 2013). Geographic updates for six new species are according to PLANTS database (USDA, NRCS 2016). Species with rating changes are shown in Appendix D.

The review process for the 2016 NWPL update began in 2015 and included review by RPs, the NP, and the public, who provided input on changes to the wetland indicator status of 189 species. Four groups of species were examined during this update. The first group consisted of rating changes for 25 species (including six new additions) that the public requested on the NWPL website (November 10, 2014 to January 31, 2015) and during the Federal Register Comment Period of September 14, 2015 to November 13, 2015 (Federal Register 2015). The second group consisted of 166 species with highly variable ratings that spanned more than three ratings categories, nationally (e.g., rated FACW in the Arid West and UPL in the Caribbean). The third group consisted of five nationally problematic species. Initially, the public requested a rating change for these five species in one region. However, their ratings were reexamined in all regions where they occur, based on NP requests. Seven species occurred in more than one of these three groups. The fourth group consisted of input received on the wetland ratings of species in the South Pacific Islands (SPI) subregion.

This update contains 8092 species, an increase of 35 species from the 2014 NWPL. Ten species rated UPL in all regions were dropped from the list, six new species were added in the continental U.S, and 39 new species were added in the SPI subregion. The new list includes changes in plant indicator status (OBL, FACW, FAC, FACU, and UPL designations) from 2014 for 186 species in the continental U.S. There were a total of 306 rating changes since these 186 species can occur in multiple Corps delineation regions, each having a unique indicator status rating. The specifics of the 306 rating changes were as follows: 49 percent (115 species) were given wetter indicator ratings, and 51 percent (112 species) were given drier indicator ratings (ratings of 41 species went wetter in one region and drier in another). The additional rating changes for 189 species in the SPI subregion bring the total rating changes to 1.8% of the NWPL.

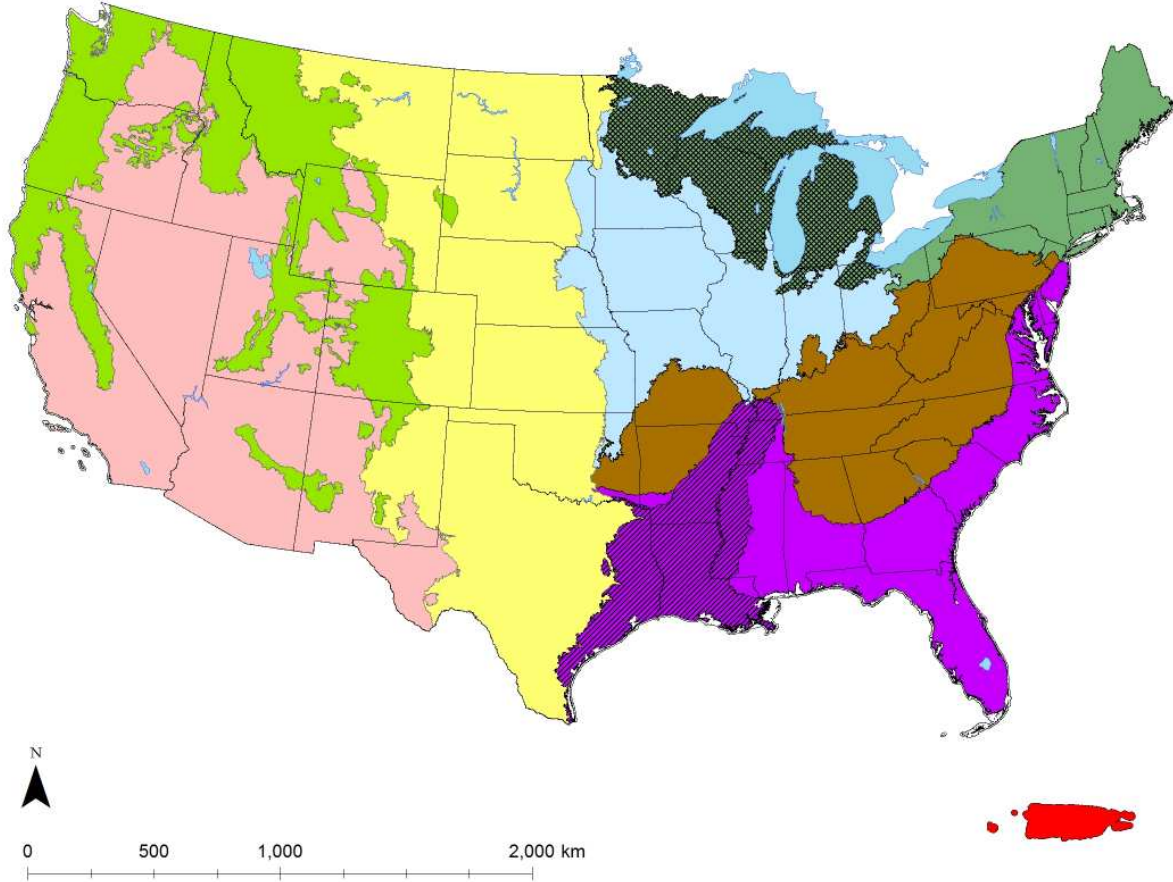
ACKNOWLEDGEMENTS

Many people, agencies and organizations are involved in maintaining and improving the accuracy of the NWPL, and they are all thanked for their support and input. The bulk of the effort and thanks goes to the National and Regional Panel members across the country who dedicate significant time and energy responding to requests to evaluate endless lists of wetland plants. Many people in the public sector have made valuable suggestions and input about wetland species. Underlying these efforts is the work of several key people, who are thanked: John Kartesz and Misako Nishino, at BONAP, who compiled the data and Rick Bates and Jennifer Gillrich, who manage to keep millions of data points in the right places — making it all happen. We thank the Wetland Regulatory Assistance Program of the U.S. Army Corps of Engineers for funding these efforts.

LITERATURE CITED

- Federal Register. 2016. Publication of the Final National Wetland Plant List. Fed. Reg., Vol. 81, No. 74/Monday, April 18, 2016.
- Federal Register. 2015. Initial Notice for the National Wetland Plant List Update. Fed. Reg., Vol. 80, No. 177/Monday, September 14, 2015.
- Federal Register. 2012. Publication of the Final National Wetland Plant List. Fed. Reg., Vol. 77, No. 90/Wednesday, May 9, 2012.
- Kartesz, J.T. 2013. Floristic Synthesis of North America, Version 1.0. Biota of North America Program (BONAP), Chapel Hill, North Carolina.
- Lichvar, R.W., and P. Minkin. 2008. Concepts and Procedures for Updating the National Wetland Plant List. ERDC/CRREL TN-08-03. U.S. Army Engineer Research and Development Center, Cold Regions Research and Engineering Laboratory, Hanover, New Hampshire. <<http://libweb.erdcl.usace.army.mil/Archimages/2295.PDF>>
- Lichvar, R.W. 2012. The National Wetland Plant List. ERDC/CRREL TR-12-11. U.S. Army Engineer Research and Development Center, Cold Regions Research and Engineering Laboratory, Hanover, New Hampshire.
- Lichvar, R.W., N.C. Melvin, M.L. Butterwick, and W.N. Kirchner. 2012. National Wetland Plant List Indicator Rating Definitions. ERDC/CRREL TR-12-1. U.S. Army Engineer Research and Development Center, Cold Regions Research and Engineering Laboratory, Hanover, New Hampshire.
- Reed, P.B., Jr. 1988. National List of Plant Species that Occur in Wetlands. U.S. Fish and Wildlife Service, Washington, DC.
- USDA, NRCS. 2016. The PLANTS Database (<http://plants.usda.gov>, 25 March 2016). National Plant Data Team, Greensboro, North Carolina.

Appendix A. Eight of the ten Corps Regions. Two subregions are shown, the Western Gulf Coast subregion of the Atlantic and Gulf Coast Plain Region and the Northcentral Great Lakes subregion of the Northcentral and Northeast region. The Caribbean Region is not drawn to scale. The Hawaii and Alaska regions are shown in Appendices B and C.





Corps Regions

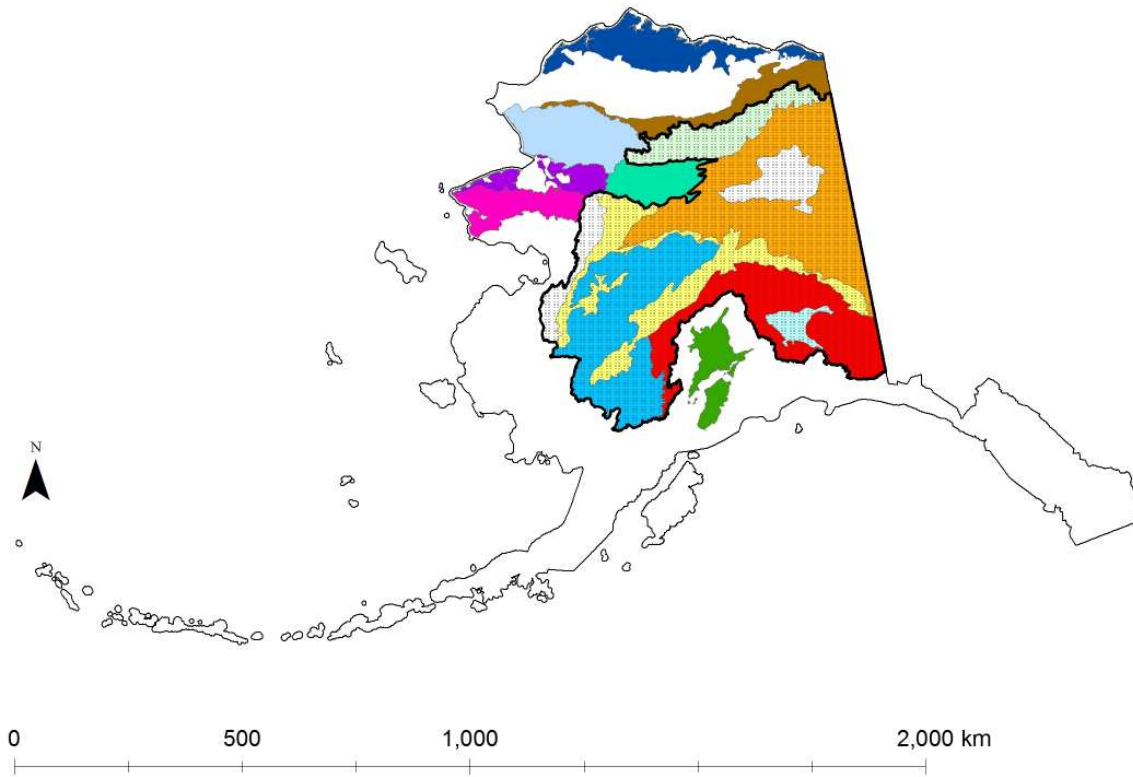
- | | |
|---|---|
|  Caribbean |  Great Plains |
|  Arid West |  Midwest |
|  Eastern Mountains and Piedmont |  Western Mountains, Valleys, and Coast |
|  Atlantic and Gulf Coastal Plain |  Northcentral and Northeast |
















Subregion

Subregion

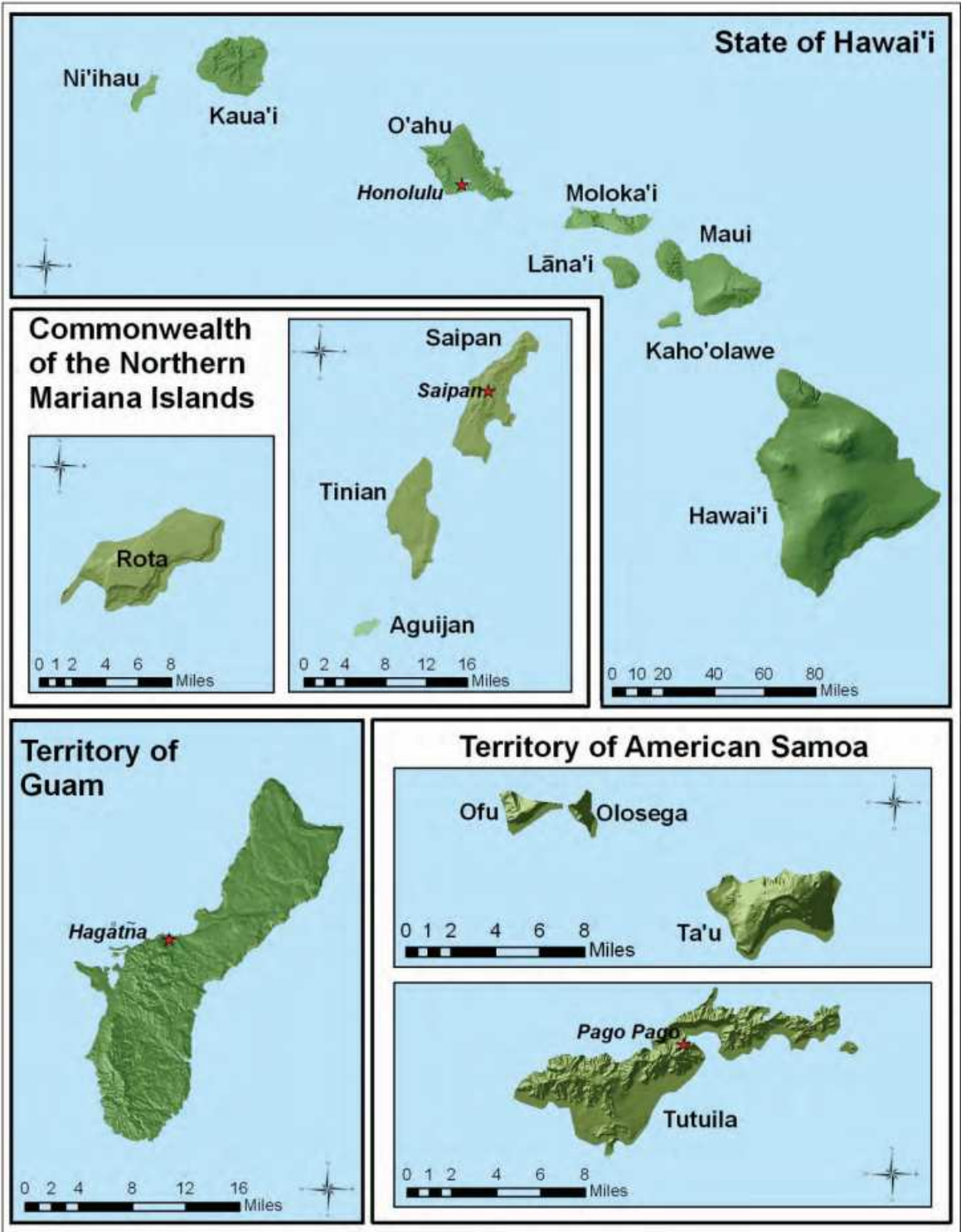
- | | |
|--|--|
|  Western Gulf Coastal Plain |  Northcentral Great Lakes |
|--|--|

Appendix B. The Alaska region and its fourteen subregions.



- | | | | |
|---|---------------------------|---|--|
|  | Alaska Region |  | Interior Brooks Range Mountains |
|  | Alaska Subregions |  | Northern Brooks Range Mountains |
|  | Arctic Coastal Plain |  | Northern Seward Peninsula Selawik Lowlands |
|  | Cook Inlet Lowlands |  | Pebble Donlin Aniak |
|  | Copper River Basin |  | Seward Peninsula Highlands |
|  | Interior Alaska Highlands |  | Upper Kobuk and Koyukuk Hills and Valleys |
|  | Interior Alaska Lowlands |  | Western Brooks Range Mountains Foothills Valleys |
|  | Interior Alaska Mountains | | |

Appendix C. The Hawaii Region and the South Pacific Island Subregion.



Appendix D. List of rating changes for species on the National Wetland Plant List (NWPL) from 2014 to 2016. The Corps wetland regions, shown in Appendices A–C, are abbreviated: Atlantic and Gulf Coastal Plain (AGCP), Alaska (AK), Arid West (AW), Caribbean Islands (CB), Eastern Mountains and Piedmont (EMP), Great Plains (GP), Hawaii and Pacific Islands (HI), Midwest (MW), Northcentral and Northeast (NCNE), and Western Mountains, Valleys and Coast (WMVC). Subregions are abbreviated: Interior Alaska Lowlands (AK-IAL), Cook Inlet Lowlands subregion (AK-CIL), and South Pacific Islands (SPI).

Reason	Region	Scientific Name	2014	2016	Common Name
HVR	AGCP	<i>Aristida purpurascens</i>	FACW	UPL	Arrow-Feather Three-Awn
HVR	AGCP	<i>Asemeia grandiflora</i>	OBL	UPL	Violet Fringeless-Milkwort
HVR	AGCP	<i>Asplenium dentatum</i>	FACW	FACU	Toothed Spleenwort
HVR	AGCP	<i>Baccharis dioica</i>	FACW	FAC	Broombush False Willow
HVR	AGCP	<i>Canna indica</i>	OBL	FACW	Indian-Shot
HVR	AGCP	<i>Canna X generalis</i>	FACU	FACW	
HVR	AGCP	<i>Carex brevior</i>	OBL	FAC	Short-Beak Sedge
HVR	AGCP	<i>Carex willdenowii</i>	FACW	FACU	Willdenow's Sedge
HVR	AGCP	<i>Crossopetalum rhacoma</i>	FACW	FACU	Maiden-Berry
HVR	AGCP	<i>Crypsis schoenoides</i>	FACU	FACW	Swamp Prickle Grass
HVR	AGCP	<i>Cuphea carthagenensis</i>	FACW	FAC	Colombian Waxweed
HVR	AGCP	<i>Cuphea hyssopifolia</i>	FAC	FACU	False Heather
HVR	AGCP	<i>Cynophalla flexuosa</i>	FACW	UPL	Falseteeth
HVR	AGCP	<i>Dieffenbachia seguine</i>	UPL	FACU	Dumb-Cane
HVR	AGCP	<i>Elionurus tripsacoides</i>	FACW	FAC	Pan-American Balsamscale
HVR	AGCP	<i>Eltroplectris calcarata</i>	OBL	FAC	Long-Claw Orchid
HVR	AGCP	<i>Evolvulus sericeus</i>	FACW	FACU	Silver Dwarf-Morning-Glory
HVR	AGCP	<i>Hainardia cylindrica</i>	UPL	FACW	Barb Grass
HVR	AGCP	<i>Hemarthria altissima</i>	FAC	FACW	Limpo Grass
HVR	AGCP	<i>Hymenocallis latifolia</i>	OBL	FACW	Perfumed Spider-Lily
HVR	AGCP	<i>Ipomoea hederifolia</i>	FACW	FACU	Scarlet-Creeper
HVR	AGCP	<i>Leersia monandra</i>	FACW	UPL	Bunch Cut Grass
HVR	AGCP	<i>Mazus pumilus</i>	FAC	FACU	Japanese Mazus
HVR	AGCP	<i>Minuartia glabra</i>	FACW	UPL	Appalachian Stitchwort
HVR	AGCP	<i>Muhlenbergia sericea</i>	OBL	FACW	Slender Muhly
HVR	AGCP	<i>Nama jamaicense</i>	UPL	FACU	Jamaican-Weed
HVR	AGCP	<i>Pecluma ptilodon</i>	FACW	FAC	Palm-Leaf Rockcap Fern
HVR	AGCP	<i>Pentalinon luteum</i>	OBL	FAC	Hammock Viper's-Tail
HVR	AGCP	<i>Persicaria posumbu</i>	FACW	FACU	Oriental Lady's-Thumb
HVR	AGCP	<i>Petasites hybridus</i>	UPL	FAC	Pestilence-Wort
HVR	AGCP	<i>Philodendron hederaceum</i>	UPL	FACU	Vilevine
HVR	AGCP	<i>Physaria gracilis</i>	FACW	UPL	Spreading Bladderpod
HVR	AGCP	<i>Piper aduncum</i>	FACW	FAC	Spiked Pepper
HVR	AGCP	<i>Plantago coronopus</i>	UPL	FACU	Buck-Horn Plantain
HVR	AGCP	<i>Poa alsodes</i>	UPL	FACU	Grove Blue Grass
HVR	AGCP	<i>Polygonum patulum</i>	UPL	FAC	Bellard's Knotweed
HVR	AGCP	<i>Polypogon viridis</i>	OBL	FACW	Beardless Rabbit's-Foot Grass
HVR	AGCP	<i>Pycnanthemum verticillatum</i>	UPL	FAC	Whorled Mountain-Mint
HVR	AGCP	<i>Scleria lithosperma</i>	FACW	FAC	Florida Keys Nut-Rush
HVR	AGCP	<i>Solidago X asperula</i>	UPL	FACU	
HVR	AGCP	<i>Spiraea douglasii</i>	UPL	FAC	Douglas' Meadowsweet
HVR	AGCP	<i>Strumpfia maritima</i>	OBL	FAC	Pride-of-Big-Pine
HVR	AGCP	<i>Symphotrichum pilosum</i>	FACW	FAC	White Oldfield American-Aster
HVR	AGCP	<i>Tectaria fimbriata</i>	OBL	FACW	Fringed Halberd Fern
HVR	AGCP	<i>Tectaria heracleifolia</i>	FACW	FACU	Broad Halberd Fern

Reason	Region	Scientific Name	2014	2016	Common Name
HVR	AGCP	<i>Teucrium cubense</i>	UPL	FACW	Small Coastal Germander
HVR	AGCP	<i>Thelypteris ovata</i>	UPL	FACW	Ovate Marsh Fern
HVR	AGCP	<i>Thuja occidentalis</i>	UPL	FACW	Eastern Arborvitae
HVR	AGCP	<i>Trichomanes holopterum</i>	OBL	RST	Entire-Wing Bristle Fern
HVR	AGCP	<i>Triphora trianthophoros</i>	FACW	FACU	Threebirds
HVR	AGCP	<i>Urochloa arrecta</i>	UPL	FAC	African Liverseed Grass
HVR	AGCP	<i>Vanilla barbellata</i>	FACW	FACU	Wormvine Orchid
HVR	AGCP	<i>Zingiber zerumbet</i>	UPL	FAC	Shampoo Ginger
NPR	AGCP	<i>Andropogon gyrans</i>	FAC	FACU	Elliott's Bluestem
NPR	AGCP	<i>Bassia hyssopifolia</i>	FACW	FACU	Five-Horn Smotherweed
NPR	AGCP	<i>Parapholis incurva</i>	FAC	FACU	Curved Sickie Grass
PR	AGCP	<i>Pinus palustris</i>	FAC	FACU	Long-Leaf Pine
HVR	AK	<i>Atriplex hortensis</i>	FACW	FACU	Garden Orache
HVR	AK	<i>Erigeron glabellus</i>	UPL	FACU	Streamside Fleabane
HVR	AK	<i>Honckenya peploides</i>	OBL	FACU	Seaside Sandplant
HVR	AK	<i>Ribes glandulosum</i>	FACU	FAC	Skunk Currant
HVR	AK	<i>Ribes oxyacanthoides</i>	UPL	FACU	Canadian Gooseberry
HVR	AK	<i>Salix X sepulcralis</i>	FACW	FAC	
HVR	AK	<i>Saxifraga adscendens</i>	UPL	FACU	Wedge-Leaf Saxifrage
HVR	AK	<i>Senecio eremophilus</i>	UPL	FACU	Desert Ragwort
HVR	AK	<i>Sidalcea hendersonii</i>	UPL	FACU	Henderson's Checkerbloom
HVR	AK	<i>Silene uralensis</i>	UPL	FAC	Apetalous Catchfly
HVR	AK	<i>Stachys mexicana</i>	UPL	FACU	Mexican Hedge-Nettle
HVR	AK	<i>Triantha occidentalis</i>	UPL	FACW	Western False Asphodel
HVR	AK	<i>Veronica peregrina</i>	FACW	FACU	Neckweed
PR	AK	<i>Betula kenaica</i>	----	FACU	Kenai Birch
PR	AK-CIL	<i>Betula kenaica</i>	----	FACU	Kenai Birch
PR	AK-CIL	<i>Betula papyrifera</i>	FAC	FACU	Paper Birch
PR	AK-IAL	<i>Betula kenaica</i>	----	FACU	Kenai Birch
PR	AK-IAL	<i>Betula papyrifera</i>	FAC	FACU	Paper Birch
HVR	AW	<i>Amaranthus blitoides</i>	FACW	FACU	Mat Amaranth
HVR	AW	<i>Ampelopsis arborea</i>	FACU	FAC	Peppervine
HVR	AW	<i>Crypsis schoenoides</i>	OBL	FACW	Swamp Prickle Grass
HVR	AW	<i>Echinochloa esculenta</i>	UPL	FACU	Japanese Water Grass
HVR	AW	<i>Elionurus tripsacoides</i>	UPL	FAC	Pan-American Balsamscale
HVR	AW	<i>Mazus pumilus</i>	FACW	FACU	Japanese Mazus
HVR	AW	<i>Mentha spicata</i>	OBL	FACW	Spearmint
HVR	AW	<i>Miscanthus sinensis</i>	FACW	FACU	Chinese Silver Grass
HVR	AW	<i>Myosotis discolor</i>	FACW	FAC	Yellow Scorpion-Grass
HVR	AW	<i>Myosotis sylvatica</i>	FAC	FACU	Woodland Forget-Me-Not
HVR	AW	<i>Physaria gracilis</i>	FACW	UPL	Spreading Bladderpod
HVR	AW	<i>Plantago coronopus</i>	FACW	FAC	Buck-Horn Plantain
HVR	AW	<i>Pteris vittata</i>	FACW	FAC	Ladder Brake
HVR	AW	<i>Ranunculus bulbosus</i>	FACW	FAC	St. Anthony's-Turnip
HVR	AW	<i>Silene hitchguirei</i>	OBL	UPL	Mountain Catchfly
HVR	AW	<i>Symphytum asperum</i>	FACW	FAC	Prickly Comfrey
HVR	AW	<i>Tamarix gallica</i>	FACW	FAC	French Tamarisk
HVR	AW	<i>Triantha occidentalis</i>	UPL	FACW	Western False Asphodel
HVR	AW	<i>Veronica peregrina</i>	OBL	FAC	Neckweed
HVR	AW	<i>Vulpia bromoides</i>	FAC	FACU	Brome Six-Weeks Grass
HVR	AW	<i>Washingtonia filifera</i>	FACW	FAC	California Fan Palm

Reason	Region	Scientific Name	2014	2016	Common Name
PR	AW	<i>Astragalus diversifolius</i>	----	FAC	Meadow Milkvetch
PR	AW	<i>Atriplex torreyi</i>	FAC	FACU	Torrey's Saltbush
PR	AW	<i>Bassia hyssopifolia</i>	FAC	FACU	Five-Horn Smotherweed
PR	AW	<i>Chilopsis linearis</i>	FACU	FAC	Desert-Willow
PR	AW	<i>Danthonia californica</i>	FACU	FAC	California Wild Oat Grass
PR	AW	<i>Helminthotheca echioides</i>	FACU	FAC	Akan Asante
PR	AW	<i>Leymus simplex</i>	----	FAC	Alkali Lyme Grass
PR	AW	<i>Parapholis incurva</i>	FAC	FACU	Curved Sickie Grass
PR	AW	<i>Poa annua</i>	FACU	FAC	Annual Blue Grass
PR	AW	<i>Polygonum aviculare</i>	FACW	FAC	Yard Knotweed
PR	AW	<i>Prosopis glandulosa</i>	UPL	FACU	Honey Mesquite
PR	AW	<i>Rubus armeniacus</i>	FACU	FAC	Himalayan Blackberry
PR	AW	<i>Sarcobatus vermiculatus</i>	FAC	FACU	Greasewood
PR	AW	<i>Trifolium fragiferum</i>	FACU	FAC	Strawberry-Head Clover
HVR	CB	<i>Aeschynomene indica</i>	UPL	FACW	Indian Joint-Vetch
HVR	CB	<i>Ampelopsis arborea</i>	UPL	FAC	Peppervine
HVR	CB	<i>Asemeia grandiflora</i>	FAC	UPL	Violet Fringeless-Milkwort
HVR	CB	<i>Cakile lanceolata</i>	UPL	FAC	Coastal Searocket
HVR	CB	<i>Carex longii</i>	UPL	FACW	Long's Sedge
HVR	CB	<i>Christella dentata</i>	UPL	FACU	Pai'i'ihō
HVR	CB	<i>Citharexylum caudatum</i>	FACW	FACU	Juniper-Berry
HVR	CB	<i>Cranichis muscosa</i>	FACW	FACU	Cypress-Knee Helmet Orchid
HVR	CB	<i>Crocoshia X crocosmiiflora</i>	UPL	FACU	
HVR	CB	<i>Cuphea carthagenensis</i>	UPL	FAC	Colombian Waxweed
HVR	CB	<i>Cuphea hyssopifolia</i>	UPL	FACU	False Heather
HVR	CB	<i>Dieffenbachia seguine</i>	FACW	FAC	Dumb-Cane
HVR	CB	<i>Dinebra panicoides</i>	UPL	FACW	Amazon Viper Grass
HVR	CB	<i>Dioscorea villosa</i>	UPL	FAC	Wild Yam
HVR	CB	<i>Eleocharis radicans</i>	UPL	OBL	Rooted Spike-Rush
HVR	CB	<i>Funastrum clausum</i>	OBL	FACW	White Twinevine
HVR	CB	<i>Huperzia lucidula</i>	UPL	FAC	Shining Fir-Moss
HVR	CB	<i>Hymenocallis latifolia</i>	UPL	FACW	Perfumed Spider-Lily
HVR	CB	<i>Ilex cassine</i>	UPL	FACW	Dahoon
HVR	CB	<i>Ipomoea hederifolia</i>	FAC	FACU	Scarlet-Creeper
HVR	CB	<i>Ludwigia repens</i>	UPL	OBL	Creeping Primrose-Willow
HVR	CB	<i>Lygodium japonicum</i>	UPL	FACU	Japanese Climbing Fern
HVR	CB	<i>Muhlenbergia capillaris</i>	OBL	FAC	Hair-Awn Muhly
HVR	CB	<i>Nama jamaicense</i>	UPL	FACU	Jamaican-Weed
HVR	CB	<i>Odontosoria clavata</i>	FACW	UPL	Club-Shape Parsley Fern
HVR	CB	<i>Panicum dichotomiflorum</i>	OBL	FAC	Fall Panic Grass
HVR	CB	<i>Paspalum boscianum</i>	UPL	FAC	Bull Crown Grass
HVR	CB	<i>Pentalinon luteum</i>	FACU	FAC	Hammock Viper's-Tail
HVR	CB	<i>Persicaria robustior</i>	UPL	OBL	Stout Smartweed
HVR	CB	<i>Philodendron hederaceum</i>	FACW	FACU	Vilevine
HVR	CB	<i>Piper aduncum</i>	FACW	FAC	Spiked Pepper
HVR	CB	<i>Plantago lanceolata</i>	FACW	FACU	English Plantain
HVR	CB	<i>Poa annua</i>	OBL	FACU	Annual Blue Grass
HVR	CB	<i>Poa pratensis</i>	OBL	FACU	Kentucky Blue Grass
HVR	CB	<i>Psilotum nudum</i>	UPL	FACU	Whisk Fern
HVR	CB	<i>Pteris tripartita</i>	UPL	FACU	Giant Brake
HVR	CB	<i>Salix X sepulcralis</i>	UPL	FACU	

Reason	Region	Scientific Name	2014	2016	Common Name
HVR	CB	<i>Sambucus nigra</i>	UPL	FAC	Black Elder
HVR	CB	<i>Samolus parviflorus</i>	FACU	OBL	
HVR	CB	<i>Sauvagesia erecta</i>	FACW	FACU	Creole-Tea
HVR	CB	<i>Scleria brittonii</i>	UPL	FACW	Britton's Nut-Rush
HVR	CB	<i>Solanum campechiense</i>	OBL	FACU	Red-Berry Nightshade
HVR	CB	<i>Solidago sempervirens</i>	UPL	FACU	Seaside Goldenrod
HVR	CB	<i>Spartina patens</i>	FACU	FACW	Salt-Meadow Cord Grass
HVR	CB	<i>Sporobolus pyramidatus</i>	FACW	FAC	Target Dropseed
HVR	CB	<i>Tamarix aphylla</i>	UPL	FACW	Athel Tamarisk
HVR	CB	<i>Tamarix gallica</i>	UPL	FAC	French Tamarisk
HVR	CB	<i>Tectaria fimbriata</i>	UPL	FACW	Fringed Halberd Fern
HVR	CB	<i>Trichomanes holopterum</i>	UPL	RST	Entire-Wing Bristle Fern
HVR	CB	<i>Urochloa arrecta</i>	FACW	FAC	African Liverseed Grass
HVR	CB	<i>Vanilla barbellata</i>	UPL	FACU	Wormvine Orchid
HVR	CB	<i>Washingtonia filifera</i>	UPL	FACU	California Fan Palm
HVR	CB	<i>Zingiber zerumbet</i>	FACW	FAC	Shampoo Ginger
HVR	EMP	<i>Alternanthera sessilis</i>	FACU	FAC	Sessile Joyweed
HVR	EMP	<i>Andropogon gyrans</i>	OBL	FACU	Elliott's Bluestem
HVR	EMP	<i>Asemeia grandiflora</i>	FACU	UPL	Violet Fringeless-Milkwort
HVR	EMP	<i>Atriplex hortensis</i>	UPL	FAC	Garden Orache
HVR	EMP	<i>Cardamine flexuosa</i>	OBL	FAC	Woodland Bittercress
HVR	EMP	<i>Carex brevior</i>	UPL	FAC	Short-Beak Sedge
HVR	EMP	<i>Carex caroliniana</i>	FACU	FACW	Carolina Sedge
HVR	EMP	<i>Carex normalis</i>	FACU	FACW	Greater Straw Sedge
HVR	EMP	<i>Carex praeegracilis</i>	UPL	FACW	Clustered Field Sedge
HVR	EMP	<i>Chaerophyllum tainturieri</i>	FACW	FAC	Hairy-Fruit Chervil
HVR	EMP	<i>Crypsis schoenoides</i>	FACU	FACW	Swamp Prickle Grass
HVR	EMP	<i>Cuphea carthagenensis</i>	FACW	FAC	Colombian Waxweed
HVR	EMP	<i>Echinochloa esculenta</i>	UPL	FACU	Japanese Water Grass
HVR	EMP	<i>Elionurus tripsacoides</i>	FACW	FAC	Pan-American Balsamscale
HVR	EMP	<i>Macrothelypteris torresiana</i>	OBL	FAC	False Maiden Fern
HVR	EMP	<i>Petasites hybridus</i>	UPL	FAC	Pestilence-Wort
HVR	EMP	<i>Plantago coronopus</i>	UPL	FACU	Buck-Horn Plantain
HVR	EMP	<i>Polygonum patulum</i>	UPL	FAC	Bellard's Knotweed
HVR	EMP	<i>Pycnanthemum muticum</i>	FACW	FAC	Clustered Mountain-Mint
HVR	EMP	<i>Ranunculus sardous</i>	UPL	FAC	Hairy Buttercup
HVR	EMP	<i>Sinapis alba</i>	FACW	FAC	White-Mustard
HVR	EMP	<i>Spiraea douglasii</i>	UPL	FAC	Douglas' Meadowsweet
HVR	EMP	<i>Tamarix parviflora</i>	UPL	FAC	Small-Flower Tamarisk
HVR	EMP	<i>Thalictrum revolutum</i>	UPL	FAC	Waxy-Leaf Meadow-Rue
HVR	EMP	<i>Thelypteris ovata</i>	UPL	FACW	Ovate Marsh Fern
HVR	EMP	<i>Trianthema portulacastrum</i>	UPL	FAC	Desert Horse-Purslane
HVR	EMP	<i>Vulpia bromoides</i>	FACW	FACU	Brome Six-Weeks Grass
NPR	EMP	<i>Asclepias sullivantii</i>	----	FAC	Prairie Milkweed
NPR	EMP	<i>Bassia hyssopifolia</i>	FACW	FACU	Five-Horn Smotherweed
NPR	EMP	<i>Parapholis incurva</i>	OBL	FACU	Curved Sickle Grass
PR	EMP	<i>Ranunculus bulbosus</i>	UPL	FAC	St. Anthony's-Turnip
HVR	GP	<i>Ambrosia monogyra</i>	FACW	FACU	Needle-Leaf Burrobush
HVR	GP	<i>Carex cephalophora</i>	OBL	FACU	Oval-Leaf Sedge
HVR	GP	<i>Carex complanata</i>	OBL	FAC	Hirsute Sedge
HVR	GP	<i>Crassula solieri</i>	FACU	FACW	Smooth-Seed Pygmyweed

Reason	Region	Scientific Name	2014	2016	Common Name
HVR	GP	<i>Cuphea carthagenensis</i>	FACW	FAC	Colombian Waxweed
HVR	GP	<i>Echinochloa esculenta</i>	UPL	FACU	Japanese Water Grass
HVR	GP	<i>Elionurus tripsacoides</i>	UPL	FACU	Pan-American Balsamscale
HVR	GP	<i>Euphorbia serpens</i>	UPL	FACU	Matted Sandmat
HVR	GP	<i>Funastrum clausum</i>	FACU	FACW	White Twinevine
HVR	GP	<i>Leersia monandra</i>	FACW	UPL	Bunch Cut Grass
HVR	GP	<i>Lysimachia arvensis</i>	FACW	FACU	Scarlet Yellow-Loosestrife
HVR	GP	<i>Myosotis sylvatica</i>	FACW	FACU	Woodland Forget-Me-Not
HVR	GP	<i>Neottia banksiana</i>	OBL	FACU	Northwestern Twayblade
HVR	GP	<i>Parkinsonia aculeata</i>	FACW	FAC	Mexican Palo-Verde
HVR	GP	<i>Phragmites karka</i>	FACU	FACW	Tropical Reed
HVR	GP	<i>Physaria gracilis</i>	FACW	UPL	Spreading Bladderpod
HVR	GP	<i>Polygogon viridis</i>	OBL	FACW	Beardless Rabbit's-Foot Grass
HVR	GP	<i>Saccharum brevibarbe</i>	UPL	FACW	Short-Beard Plume Grass
HVR	GP	<i>Senecio crassulus</i>	OBL	FACU	Thick-Leaf Ragwort
HVR	GP	<i>Stellaria longipes</i>	OBL	FACW	Long-Stalk Starwort
HVR	GP	<i>Tectaria heracleifolia</i>	FACW	FACU	Broad Halberd Fern
HVR	GP	<i>Triantha occidentalis</i>	UPL	FACW	Western False Asphodel
HVR	GP	<i>Trichophorum clintonii</i>	OBL	FACU	Clinton's Leafless-Bulrush
HVR	GP	<i>Tridens muticus</i>	UPL	FACU	Awnless Fluff Grass
HVR	GP	<i>Trifolium nanum</i>	FACW	UPL	Tundra Clover
NPR	GP	<i>Asclepias sullivantii</i>	----	FAC	Prairie Milkweed
NPR	GP	<i>Bassia hyssopifolia</i>	FACW	FACU	Five-Horn Smotherweed
NPR	GP	<i>Parapholis incurva</i>	FACW	FACU	Curved Sickle Grass
HVR	HI	<i>Cuphea hyssopifolia</i>	FACW	FACU	False Heather
HVR	HI	<i>Euphorbia serpens</i>	UPL	FACU	Matted Sandmat
HVR	HI	<i>Hemarthria altissima</i>	UPL	FAC	Limpo Grass
HVR	HI	<i>Hordeum brachyantherum</i>	UPL	FAC	Meadow Barley
HVR	HI	<i>Jacquemontia ovalifolia</i>	UPL	FACU	Oval-Leaf Clustervine
HVR	HI	<i>Muhlenbergia mexicana</i>	UPL	FAC	Mexican Muhly
HVR	HI	<i>Parkinsonia aculeata</i>	UPL	FACU	Mexican Palo-Verde
HVR	HI	<i>Piper aduncum</i>	UPL	FAC	Spiked Pepper
HVR	HI	<i>Sagina procumbens</i>	UPL	FAC	Bird-Eye Pearlwort
HVR	HI	<i>Tectaria incisa</i>	UPL	FACU	Incised Halberd Fern
HVR	HI	<i>Verbena bonariensis</i>	UPL	FACU	Purple-Top Vervain
HVR	HI	<i>Veronica peregrina</i>	UPL	FACU	Neckweed
NPR	HI	<i>Bassia hyssopifolia</i>	FACW	FACU	Five-Horn Smotherweed
HVR	MW	<i>Andropogon gyrans</i>	UPL	FACU	Elliott's Bluestem
HVR	MW	<i>Crypsis schoenoides</i>	FACU	FACW	Swamp Prickle Grass
HVR	MW	<i>Dinebra panicoides</i>	OBL	FACW	Amazon Viper Grass
HVR	MW	<i>Echinochloa esculenta</i>	UPL	FACW	Japanese Water Grass
HVR	MW	<i>Echinochloa frumentacea</i>	FACW	FACU	Japanese-Millet
HVR	MW	<i>Persicaria orientalis</i>	UPL	FAC	Kiss-Me-Over-the-Garden-Gate
HVR	MW	<i>Pycnanthemum verticillatum</i>	UPL	FAC	Whorled Mountain-Mint
HVR	MW	<i>Quercus X beadleii</i>	UPL	FAC	
HVR	MW	<i>Rumex pulcher</i>	UPL	FAC	Fiddle Dock
HVR	MW	<i>Saccharum brevibarbe</i>	OBL	FACW	Short-Beard Plume Grass
HVR	MW	<i>Saccharum ravennae</i>	FACW	FAC	Ranenna Grass
HVR	MW	<i>Sambucus nigra</i>	FACW	FAC	Black Elder
HVR	MW	<i>Sisyrinchium fuscatum</i>	FACW	FACU	Coastal-Plain Blue-Eyed-Grass
HVR	MW	<i>Spiraea douglasii</i>	UPL	FAC	Douglas' Meadowsweet

Reason	Region	Scientific Name	2014	2016	Common Name
HVR	MW	<i>Tamarix parviflora</i>	UPL	FAC	Small-Flower Tamarisk
HVR	MW	<i>Trianthema portulacastrum</i>	FACW	FAC	Desert Horse-Purslane
NPR	MW	<i>Bassia hyssopifolia</i>	FACW	FACU	Five-Horn Smotherweed
NPR	MW	<i>Parapholis incurva</i>	OBL	FACU	Curved Sickle Grass
PR	MW	<i>Asclepias sullivantii</i>	----	FAC	Prairie Milkweed
HVR	NCNE	<i>Carex pedunculata</i>	FACU	FAC	Long-Stalk Sedge
HVR	NCNE	<i>Lasthenia minor</i>	UPL	FAC	Coastal Goldfields
HVR	NCNE	<i>Persicaria orientalis</i>	UPL	FACU	Kiss-Me-Over-the-Garden-Gate
HVR	NCNE	<i>Persicaria posumbu</i>	UPL	FACU	Oriental Lady's-Thumb
HVR	NCNE	<i>Pycnanthemum verticillatum</i>	FACU	FAC	Whorled Mountain-Mint
HVR	NCNE	<i>Ranunculus bulbosus</i>	FACW	FAC	St. Anthony's-Turnip
HVR	NCNE	<i>Rumex pulcher</i>	UPL	FACU	Fiddle Dock
HVR	NCNE	<i>Senecio eremophilus</i>	OBL	FACW	Desert Ragwort
HVR	NCNE	<i>Solidago X asperula</i>	OBL	FACW	
HVR	NCNE	<i>Stellaria longipes</i>	FACU	FAC	Long-Stalk Starwort
HVR	NCNE	<i>Tamarix parviflora</i>	UPL	FAC	Small-Flower Tamarisk
NPR	NCNE	<i>Bassia hyssopifolia</i>	FACW	FACU	Five-Horn Smotherweed
NPR	NCNE	<i>Parapholis incurva</i>	OBL	FACU	Curved Sickle Grass
PR	NCNE	<i>Asclepias sullivantii</i>	----	FAC	Prairie Milkweed
HVR	WMVC	<i>Amaranthus blitoides</i>	FACW	FAC	Mat Amaranth
HVR	WMVC	<i>Chaerophyllum tainturieri</i>	UPL	FAC	Hairy-Fruit Chervil
HVR	WMVC	<i>Conoclinium dissectum</i>	UPL	FACU	Pinked Mistflower
HVR	WMVC	<i>Crassula solieri</i>	OBL	FACW	Smooth-Seed Pygmyweed
HVR	WMVC	<i>Crocosmia X crocosmiiflora</i>	FACW	FAC	
HVR	WMVC	<i>Crypsis schoenoides</i>	FACW	OBL	Swamp Prickle Grass
HVR	WMVC	<i>Draba praealta</i>	FACW	FAC	Tall Whitlow-Grass
HVR	WMVC	<i>Echinochloa esculenta</i>	UPL	FACU	Japanese Water Grass
HVR	WMVC	<i>Echinochloa frumentacea</i>	FAC	FACU	Japanese-Millet
HVR	WMVC	<i>Enemion biternatum</i>	UPL	FAC	Eastern False Rue-Anemone
HVR	WMVC	<i>Erigeron glabellus</i>	FACW	FAC	Streamside Fleabane
HVR	WMVC	<i>Iris hartwegii</i>	OBL	FACU	Rainbow Iris
HVR	WMVC	<i>Mazus pumilus</i>	FACW	FAC	Japanese Mazus
HVR	WMVC	<i>Miscanthus sinensis</i>	FACW	FAC	Chinese Silver Grass
HVR	WMVC	<i>Parkinsonia aculeata</i>	FACU	FAC	Mexican Palo-Verde
HVR	WMVC	<i>Phragmites karka</i>	FAC	OBL	Tropical Reed
HVR	WMVC	<i>Plantago coronopus</i>	FACW	FAC	Buck-Horn Plantain
HVR	WMVC	<i>Rosa rubiginosa</i>	FACW	UPL	Sweetbrier
HVR	WMVC	<i>Rumex dentatus</i>	OBL	FACW	Toothed Dock
HVR	WMVC	<i>Persicaria orientalis</i>	FAC	FACW	Kiss-Me-Over-the-Garden-Gate
HVR	WMVC	<i>Sambucus nigra</i>	FACU	FAC	Black Elder
HVR	WMVC	<i>Sinapis alba</i>	OBL	FAC	White-Mustard
HVR	WMVC	<i>Spergularia echinosperma</i>	FACU	OBL	Bristle-Seed Sandspurry
HVR	WMVC	<i>Symphotrichum pilosum</i>	UPL	FACU	White Oldfield American-Aster
HVR	WMVC	<i>Symphytum asperum</i>	FACW	FAC	Prickly Comfrey
HVR	WMVC	<i>Tamarix aphylla</i>	FACW	FAC	Athel Tamarisk
HVR	WMVC	<i>Tamarix gallica</i>	FACW	FAC	French Tamarisk
HVR	WMVC	<i>Tamarix parviflora</i>	FACW	FAC	Small-Flower Tamarisk
HVR	WMVC	<i>Tradescantia occidentalis</i>	FACW	FACU	Prairie Spiderwort
HVR	WMVC	<i>Vernonia baldwinii</i>	FACW	FACU	Western Ironweed
HVR	WMVC	<i>Veronica peregrina</i>	OBL	FACW	Neckweed
HVR	WMVC	<i>Vulpia bromoides</i>	FACU	FAC	Brome Six-Weeks Grass

Reason	Region	Scientific Name	2014	2016	Common Name
NPR	WMVC	<i>Bassia hyssopifolia</i>	FACW	FACU	Five-Horn Smotherweed
NPR	WMVC	<i>Parapholis incurva</i>	FACW	FACU	Curved Sickie Grass
PR	WMVC	<i>Bromus inermis</i>	FAC	UPL	Smooth Brome
PR	WMVC	<i>Rubus armeniacus</i>	FACU	FAC	Himalayan Blackberry
PR	WMVC	<i>Sisyrinchium pallidum</i>	----	FACU	Pale Blue-eyed Grass
PR	WMVC	<i>Stephanomeria fluminea</i>	----	FACW	Teton Wirelettuce
PR	HI/SPI	<i>Annona glabra</i>	----	OBL	
PR	HI/SPI	<i>Calopogonium mucunoides</i>	----	FAC	
PR	HI/SPI	<i>Cyperus iria</i>	----	FACW	
PR	HI/SPI	<i>Cyperus ligularis</i>	----	FAC	
PR	HI/SPI	<i>Dentella repens</i>	----	FAC	
PR	HI/SPI	<i>Desmanthus virgatus</i>	----	FACU	
PR	HI/SPI	<i>Eragrostis atrovirens</i>	----	FAC	
PR	HI/SPI	<i>Fimbristylis autumnalis</i>	----	FAC	
PR	HI/SPI	<i>Hygrophila difformis</i>	----	OBL	
PR	HI/SPI	<i>Hymenocallis littoralis</i>	----	FAC	
PR	HI/SPI	<i>Imperata cylindrica</i>	----	UPL	
PR	HI/SPI	<i>Lemna minor</i>	----	OBL	
PR	HI/SPI	<i>Lemna perpusilla</i>	----	OBL	
PR	HI/SPI	<i>Lygodium microphyllum</i>	----	UPL	
PR	HI/SPI	<i>Malachra capitata</i>	----	FACU	
PR	HI/SPI	<i>Malachra fasciata</i>	----	FACW	
PR	HI/SPI	<i>Mecardonia procumbens</i>	----	FACW	
PR	HI/SPI	<i>Persicaria minor</i>	----	OBL	
PR	HI/SPI	<i>Potamogeton illinoensis</i>	----	OBL	
PR	HI/SPI	<i>Pteris plumula</i>	----	FAC	
PR	HI/SPI	<i>Rhynchospora colorata</i>	----	FAC	
PR	HI/SPI	<i>Scoparia dulcis</i>	----	FAC	
PR	HI/SPI	<i>Xanthosoma sagittifolium</i>	----	FACW	
PR	HI/SPI	<i>Cheilanthes tenuifolia</i>	----	FAC	
PR	HI/SPI	<i>Curcuma australasica</i>	----	FAC	
PR	HI/SPI	<i>Cycas micronesica</i>	----	UPL	
PR	HI/SPI	<i>Cyclosorus truncatus</i>	----	FACW	
PR	HI/SPI	<i>Cyperus compactus</i>	----	FACW	
PR	HI/SPI	<i>Cyperus flavidus</i>	----	FAC	
PR	HI/SPI	<i>Cyrtococcum oxyphyllum</i>	----	FAC	
PR	HI/SPI	<i>Decaspermum fruticosum</i>	----	FAC	
PR	HI/SPI	<i>Dianella saffordiana</i>	----	FACU	
PR	HI/SPI	<i>Dichanthium caricosum</i>	----	FAC	
PR	HI/SPI	<i>Discocalyx megacarpa</i>	----	UPL	
PR	HI/SPI	<i>Fimbristylis tristachya</i>	----	FAC	
PR	HI/SPI	<i>Gomphrena serrata</i>	----	FAC	
PR	HI/SPI	<i>Heterogonium pinnatum</i>	----	FACW	
PR	HI/SPI	<i>Histiopteris incisa</i>	----	FAC	
PR	HI/SPI	<i>Homalomena rubescens</i>	----	FAC	
PR	HI/SPI	<i>Isachne globosa</i>	----	FACW	
PR	HI/SPI	<i>Ischaemum polystachyum</i>	----	FACW	
PR	HI/SPI	<i>Laporteia ruderalis</i>	----	FAC	
PR	HI/SPI	<i>Lygodium auriculatum</i>	----	FAC	
PR	HI/SPI	<i>Maoutia australis</i>	----	FAC	
PR	HI/SPI	<i>Medinilla medinilliana</i>	----	FAC	

Reason	Region	Scientific Name	2014	2016	Common Name
PR	HI/SPI	<i>Melinis minutiflora</i>	----	FAC	
PR	HI/SPI	<i>Miscanthus floridulus</i>	----	FACU	
PR	HI/SPI	<i>Monstera deliciosa</i>	----	FAC	
PR	HI/SPI	<i>Operculina turpethum</i>	----	FACU	
PR	HI/SPI	<i>Phyllanthus marianus</i>	----	FAC	
PR	HI/SPI	<i>Phyllanthus saffordii</i>	----	FAC	
PR	HI/SPI	<i>Pimenta racemosa</i>	----	FAC	
PR	HI/SPI	<i>Pogonatherum crinitum</i>	----	FACW	
PR	HI/SPI	<i>Pteris ensiformis</i>	----	FAC	
PR	HI/SPI	<i>Schoenoplectus litoralis</i>	----	OBL	
PR	HI/SPI	<i>Schoenus punctatus</i>	----	FAC	
PR	HI/SPI	<i>Syngonium angustatum</i>	----	FAC	
PR	HI/SPI	<i>Teramnus labialis</i>	----	FAC	
PR	HI/SPI	<i>Terminalia samoensis</i>	----	FAC	
PR	HI/SPI	<i>Thelypteris guamensis</i>	----	FAC	
PR	HI/SPI	<i>Tradescantia pallida</i>	----	FAC	
PR	HI/SPI	<i>Nephrolepis falcata</i>	UPL	FACU	
PR	HI/SPI	<i>Talipariti tiliaceum</i>	FAC	FACW	
PR	HI/SPI	<i>Urochloa mutica</i>	FAC	FACW	
PR	SPI	<i>Abildgaardia ovata</i>	FAC	FACW	Flat-Spike Sedge
PR	SPI	<i>Abrus precatorius</i>	UPL	UPL	Rosary-Pea
PR	SPI	<i>Abutilon indicum</i>	FACU	FACU	Monkeybush
PR	SPI	<i>Achyranthes aspera</i>	FACU	FACU	Devil's-Horsewhip
PR	SPI	<i>Alternanthera sessilis</i>	FAC	FACW	Sessile Joyweed
PR	SPI	<i>Alysicarpus vaginalis</i>	UPL	FAC	White Moneywort
PR	SPI	<i>Arundina graminifolia</i>	UPL	FACU	Bamboo Orchid
PR	SPI	<i>Asplenium polyodon</i>	UPL	FACU	Birdnest Fern
PR	SPI	<i>Bidens pilosa</i>	FACU	FACU	Hairy Beggarticks
PR	SPI	<i>Bolbitis quoyana</i>	FAC	FACW	
PR	SPI	<i>Bothriochloa bladhii</i>	FACU	FACU	Australian Beard Grass
PR	SPI	<i>Caesalpinia bonduc</i>	UPL	FAC	Yellow Nicker
PR	SPI	<i>Calophyllum inophyllum</i>	FACU	UPL	Alexandrian-Laurel
PR	SPI	<i>Cananga odorata</i>	FACU	FACU	Perfumetree
PR	SPI	<i>Centrosema pubescens</i>	FACU	FACU	Mexican Butterfly-Pea
PR	SPI	<i>Cerbera dilatata</i>	FAC	FACU	
PR	SPI	<i>Chamaecrista nictitans</i>	FACU	FACU	Partridge-Pea
PR	SPI	<i>Christella parasitica</i>	NOL	FAC	
PR	SPI	<i>Chromolaena odorata</i>	FACU	UPL	Jack-in-the-Bush
PR	SPI	<i>Coix lacryma-jobi</i>	FACW	FACW	Job's-Tears
PR	SPI	<i>Colocasia esculenta</i>	OBL	FACW	Coco-Yam
PR	SPI	<i>Colubrina asiatica</i>	FAC	FACU	Asian Nakedwood
PR	SPI	<i>Corchorus aestuans</i>	FACU	FAC	Jute
PR	SPI	<i>Cordia subcordata</i>	FACU	UPL	Kou
PR	SPI	<i>Crassocephalum crepidioides</i>	FACU	FAC	Red-Flower Ragleaf
PR	SPI	<i>Crotalaria incana</i>	UPL	UPL	Shakeshake
PR	SPI	<i>Crotalaria spectabilis</i>	UPL	UPL	Showy Rattlebox
PR	SPI	<i>Cuphea hyssopifolia</i>	FACU	FAC	False Heather
PR	SPI	<i>Curcuma longa</i>	FACU	UPL	Common Turmeric
PR	SPI	<i>Cyanthillium cinereum</i>	FACU	FAC	Little-Ironweed
PR	SPI	<i>Cyclosorus interruptus</i>	OBL	FACW	Neke
PR	SPI	<i>Cyperus haspan</i>	FACW	OBL	Sheathed Flat Sedge

Reason	Region	Scientific Name	2014	2016	Common Name
PR	SPI	<i>Cyperus involucratus</i>	OBL	FACW	Alternate-Leaf Flat Sedge
PR	SPI	<i>Cyperus javanicus</i>	FACW	FAC	Javanese Flat Sedge
PR	SPI	<i>Cyperus rotundus</i>	FACU	FAC	Purple Flat Sedge
PR	SPI	<i>Dalbergia candenatensis</i>	FAC	FACW	
PR	SPI	<i>Dendrolobium umbellatum</i>	FACU	FACU	
PR	SPI	<i>Derris trifoliata</i>	FAC	FAC	
PR	SPI	<i>Desmanthus pernambucanus</i>	FACU	FACU	Pigeon Bundle-Flower
PR	SPI	<i>Desmodium incanum</i>	FACU	FAC	Zarabacoa-Comun
PR	SPI	<i>Elephantopus mollis</i>	FACU	FAC	Soft Elephant's-Foot
PR	SPI	<i>Entada phaseoloides</i>	FACU	FACU	St. Thomas-Bean
PR	SPI	<i>Eragrostis ciliaris</i>	UPL	FAC	Gopher-Tail Love Grass
PR	SPI	<i>Euphorbia hirta</i>	FACU	FACU	Pill-Pod Sandmat
PR	SPI	<i>Euphorbia prostrata</i>	FACU	FACU	Prostrate Sandmat
PR	SPI	<i>Eustachys petraea</i>	UPL	FACU	Pinewoods Finger Grass
PR	SPI	<i>Excoecaria agallocha</i>	FAC	FACU	
PR	SPI	<i>Fimbristylis littoralis</i>	FACW	FACW	Grass-Like Fimbry
PR	SPI	<i>Flagellaria indica</i>	FACU	FACU	
PR	SPI	<i>Freycinetia reineckeii</i>	FAC	FACU	
PR	SPI	<i>Gleichenia linearis</i>	FAC	FACU	
PR	SPI	<i>Hernandia sonora</i>	UPL	FACU	Mago
PR	SPI	<i>Heteropogon contortus</i>	FACU	FACU	Twisted Tanglehead
PR	SPI	<i>Hippobroma longiflora</i>	FACU	FACU	Madamfate
PR	SPI	<i>Indigofera suffruticosa</i>	UPL	FAC	Anil-de-Pasto
PR	SPI	<i>Ipomoea indica</i>	FAC	FACU	Ocean-Blue Morning-Glory
PR	SPI	<i>Ipomoea littoralis</i>	FAC	FAC	White Beach Morning-Glory
PR	SPI	<i>Lepidium virginicum</i>	UPL	FAC	Poorman's-Pepperwort
PR	SPI	<i>Leucaena leucocephala</i>	UPL	UPL	White Leadtree
PR	SPI	<i>Lindsaea repens</i>	FACU	FACW	Creeping Necklace Fern
PR	SPI	<i>Liparis guamensis</i>	FACU	FACW	
PR	SPI	<i>Macaranga thompsonii</i>	FACU	UPL	
PR	SPI	<i>Macrothelypteris torresiana</i>	FACU	FAC	False Maiden Fern
PR	SPI	<i>Maytenus thompsonii</i>	FACU	UPL	
PR	SPI	<i>Megathyrsus maximus</i>	FAC	FACU	Guinea Grass
PR	SPI	<i>Melinis repens</i>	FACU	FAC	Creeping Molasses Grass
PR	SPI	<i>Melochia villosissima</i>	FACU	FACU	
PR	SPI	<i>Mesosphaerum pectinatum</i>	UPL	FACU	
PR	SPI	<i>Mesosphaerum suaveolens</i>	UPL	FACU	Pignut
PR	SPI	<i>Microlepia speluncae</i>	FACU	FACU	Limp-Leaf Fern
PR	SPI	<i>Mimosa pudica</i>	FACU	FACU	Shameplant
PR	SPI	<i>Mucuna gigantea</i>	FACU	FAC	Sea-Bean
PR	SPI	<i>Muntingia calabura</i>	FACU	FACU	Strawberry-Tree
PR	SPI	<i>Musa X paradisiaca</i>	FACU	FACU	
PR	SPI	<i>Nephrolepis cordifolia</i>	FAC	FACU	Narrow Sword Fern
PR	SPI	<i>Nephrolepis hirsutula</i>	FAC	FACU	Scaly Sword Fern
PR	SPI	<i>Nervilia aragoana</i>	FACU	FAC	
PR	SPI	<i>Nervilia jacksoniae</i>	FACU	FAC	
PR	SPI	<i>Nervilia platychila</i>	FAC	FACW	
PR	SPI	<i>Ochrosia mariannensis</i>	FACU	UPL	
PR	SPI	<i>Oplismenus compositus</i>	FACU	FACU	Running Mountain Grass
PR	SPI	<i>Oxalis corniculata</i>	FACU	FACU	Creeping Yellow Wood-Sorrel
PR	SPI	<i>Paraderris elliptica</i>	FACU	FAC	Tubaroot

Reason	Region	Scientific Name	2014	2016	Common Name
PR	SPI	<i>Paspalum distichum</i>	FAC	FACW	Jointed Crown Grass
PR	SPI	<i>Peperomia mariannensis</i>	FAC	FACU	
PR	SPI	<i>Phyllanthus amarus</i>	FACU	FAC	Carry-Me-Seed
PR	SPI	<i>Physalis angulata</i>	FAC	FACU	Cut-Leaf Ground-Cherry
PR	SPI	<i>Pipturus argenteus</i>	FAC	FACU	
PR	SPI	<i>Pisonia grandis</i>	FACU	UPL	Grand Catchbirdtree
PR	SPI	<i>Polygala paniculata</i>	FACU	FACU	Orosne
PR	SPI	<i>Portulaca oleracea</i>	FACU	FAC	Little-Hogweed
PR	SPI	<i>Pouteria obovata</i>	FACU	UPL	
PR	SPI	<i>Rhynchospora corymbosa</i>	OBL	FACW	Matamat
PR	SPI	<i>Rhynchospora rubra</i>	OBL	FAC	
PR	SPI	<i>Saccharum spontaneum</i>	FAC	FACU	Wild Sugar-Cane
PR	SPI	<i>Schizaea dichotoma</i>	FACU	FAC	
PR	SPI	<i>Sida rhombifolia</i>	FACU	FACU	Cuban-Jute
PR	SPI	<i>Spathoglottis carolinensis</i>	FACU	FACU	
PR	SPI	<i>Spathoglottis micronesiaca</i>	FACU	FACU	
PR	SPI	<i>Spathoglottis plicata</i>	FACU	FACU	Philippine Ground Orchid
PR	SPI	<i>Spirodela polyrhiza</i>	OBL	FAC	Common Duckmeat
PR	SPI	<i>Sporobolus indicus</i>	FACU	FACU	Smut Grass
PR	SPI	<i>Sporobolus virginicus</i>	FAC	FAC	Seashore Dropseed
PR	SPI	<i>Stachytarpheta australis</i>	FACU	FACW	Branched Porterweed
PR	SPI	<i>Stachytarpheta cayennensis</i>	FACU	FACW	Cayenne Porterweed
PR	SPI	<i>Stachytarpheta jamaicensis</i>	FACU	FACU	Blueflower
PR	SPI	<i>Swietenia mahagoni</i>	UPL	FACU	West Indian Mahogany
PR	SPI	<i>Syzygium malaccense</i>	FACU	FACU	Malaysian-Apple
PR	SPI	<i>Tarenna sambucina</i>	FACU	FAC	
PR	SPI	<i>Terminalia catappa</i>	FACU	FACW	Tropical-Almond
PR	SPI	<i>Thelypteris opulenta</i>	FACW	FAC	Jeweled Maiden Fern
PR	SPI	<i>Thelypteris subpubescens</i>	FACU	FACW	
PR	SPI	<i>Thelypteris unita</i>	FACU	FACW	
PR	SPI	<i>Thelypteris warburgii</i>	FAC	FACW	
PR	SPI	<i>Trichomanes brevipes</i>	FACU	FAC	
PR	SPI	<i>Trichomanes javanicum</i>	FACU	FAC	
PR	SPI	<i>Tridax procumbens</i>	FACU	FAC	Coatbuttons
PR	SPI	<i>Triphasia trifolia</i>	FAC	UPL	Limeberry
PR	SPI	<i>Urochloa distachya</i>	UPL	FAC	Tropical Liverseed Grass
PR	SPI	<i>Utricularia bifida</i>	FACW	OBL	
PR	SPI	<i>Utricularia caerulea</i>	FAC	OBL	
PR	SPI	<i>Vigna adenantha</i>	FACU	FAC	Wild Pea
PR	SPI	<i>Waltheria indica</i>	FACU	FACU	Basora-Prieta
PR	SPI	<i>Youngia japonica</i>	FACU	FAC	Oriental False Hawk's-Beard
PR	SPI	<i>Zeuxine fritzii</i>	FACU	FACW	