

Wet Meadow and Fen Mapping of Yosemite National Park - Geodatabase

Tags

National Park Service, Vegetation, Plants, Biota, Wetlands, Fens, Meadows, Wet Meadows, Peat, Groundwater, Yosemite National Park, Yosemite, YOSE, Wetland Classification, Wetland Ecological Integrity, Sierra Nevada Network, Inventory and Monitoring, SIEN

Summary (Purpose)

The Wet Meadows and Fens Mapping geodatabase of Yosemite National Park (YOSE) is intended to: (1) delineate wet meadows and fens >0.5 hectare in size and provide an estimate of the proportion of each feature which is peat accumulating; and (2) indicate the locations of known or presumed fens.

Description (Abstract)

The Wet Meadows and Fens geodatabase of Yosemite National Park (YOSE) was produced over a three month period (December 2013 through February 2014). The resulting products are intended to:

(1) Identify and classify all target wetlands (wet meadows and fens) >0.5 hectare in the park and provide an estimate of the proportion of each feature which is peat accumulating. Over 1600 polygons represent wetlands in three mapping classes: wet meadows, fen-meadow complexes, and fens.

(2) Identify locations of fens within the park boundary. More than 500 fen points identify locations where fens are known or presumed to occur.

Mapped polygons are based on photo interpretation of Natural Color and Color Infrared NAIP aerial photography from 2005, 2009, 2010, and 2012 as well as Google Earth and the ESRI World Imagery Basemap. Ancillary data informing mapping decisions included the YOSE Vegetation map, the National Wetlands Inventory Wetland Layer, the YOSE Rivers and Streams Layer, the Yosemite Contiguous Meadow Survey data, and YOSE Meadow Gridpoints.

Overall spatial accuracy of the resulting map products is equivalent to 1:24000 National Map Accuracy Standards.

These geospatial data are provided in Esri File Geodatabase format containing: (1) a polygon feature class depicting wet meadow and fen delineations; and (2) a point feature class indicating the locations of fens within the park boundary. Metadata are provided in XML and PDF format.

Users of these data should refer to:

Pyrooz NN and Others. 2020. Wet meadow and fen mapping of Yosemite National Park: A photo interpretation mapping project of wetland resources. Natural Resource Report. NPS/SIEN/NRR—2020/2145. National Park Service. Fort Collins, Colorado.
<https://irma.nps.gov/DataStore/Reference/Profile/2275581>

Credits

U.S. National Park Service, Yosemite National Park, Sierra Nevada Network Inventory and Monitoring. The project was a collaboration between the YOSE Vegetation and Ecological Restoration Branch, Sequoia and Kings Canyon National Parks GIS Staff, and the Sierra Nevada Network Inventory and Monitoring program; photo interpretation was performed by two technicians under contract.

Use limitations

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<https://www.nps.gov/gis/liability.htm>

Wet Meadows and Fens of Yosemite National Park - Polygons

File Geodatabase Feature Class

Tags

National Park Service, Vegetation, Plants, Biota, Wetlands, Fens, Meadows, Wet Meadows, Peat, Groundwater, Yosemite National Park, Yosemite, YOSE, Wetland Classification, Wetland Ecological Integrity, Sierra Nevada Network, Inventory and Monitoring, SIEN

Summary (Purpose)

The Wet Meadows and Fens Polygon Feature class of Yosemite National Park is intended to delineate boundary of all wet meadows, fen-meadow complexes, and fens greater than 0.5 ha based on their photo interpretation signature and with inferences from ancillary data.

Description (Abstract)

The Wet Meadows and Fens Polygon Feature Class of Yosemite National Park (YOSE) was produced over a three month period (December 2013 through February 2014) to identify locations of fens within the park boundary. Over 1600 polygons represent wetlands in three mapping classes: wet meadows, fen-meadow complexes, and fens.

Mapped polygons are based on photo interpretation of Natural Color and Color Infrared NAIP aerial photography from 2005, 2009, 2010, and 2012 as well as Google Earth and the ESRI World Imagery Basemap. Ancillary data informing mapping decisions included the YOSE Vegetation map, the National Wetlands Inventory Wetland Layer, the YOSE Rivers and Streams Layer, the Yosemite Contiguous Meadow Survey data, and YOSE Meadow Gridpoints.

Overall spatial accuracy of the resulting map products is equivalent to 1:24000 National Map Accuracy Standards.

Pyrooz NN and Others. 2020. Wet meadow and fen mapping of Yosemite National Park: A photo interpretation mapping project of wetland resources. Natural Resource Report. NPS/SIEN/NRR—2020/2145. National Park Service. Fort Collins, Colorado.

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Yosemite National Park Fens - Points

File Geodatabase Feature Class

Tags

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Summary (Purpose)

The Fens Point Feature Class of Yosemite National Park is intended to indicate the locations of known or presumed fens.

Description (Abstract)

The Fens Point Feature Class of Yosemite National Park (YOSE) was produced over a three month period (December 2013 through February 2014) to identify locations of fens within the park boundary. More than 500 fen points identify locations where fens are known or presumed to occur.

Overall spatial accuracy of the resulting map products is equivalent to 1:24000 National Map Accuracy Standards.

Users of these data should refer to:

Pyrooz NN and Others. 2020. Wet meadow and fen mapping of Yosemite National Park: A photo interpretation mapping project of wetland resources. Natural Resource Report. NPS/SIEN/NRR—2020/2145. National Park Service. Fort Collins, Colorado.

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