

Spatial and Temporal Dynamics of Wetlands and Irrigated Lands in Southern Oregon-Northeastern California-Northwest Nevada (SONEC)



Data Description: GIS polygon layer estimating monthly surface water distributions within seasonal wetlands, including irrigated hay meadows, in southern Oregon, northeast California, and northwest Nevada. Surface water estimates derived from Landsat satellite imagery. Data attributes include monthly multi-year (e.g. 1984-89) means of polygon area flooded, mean flooded polygon area from 1984 to 2016, and the annual probability of flood occurrence.

Disclaimer: The Intermountain West Joint Venture (IWJV) makes no guarantee of the data's accuracy or results obtained from its use. Data is intended for use at broad scales and may contain errors when applied at finer resolutions and should be verified using field recognizance.

Access Constraints: Access to data are restricted to state, federal, private, and non-governmental organizations collaborating with the IWJV to support wetland conservation. Entities may access GIS and .kmz layers by written requests to the IWJV, identifying intended use and project objectives. Narratives must include project timelines and collaborating partners. Data may only be shared among partners listed on the request. Requests must be made on a project by project basis.

Use Constraints: Data may not be published or distributed without written consent of IWJV. Data summaries, or segments thereof, may not be reproduced or distributed. Use of data should be cited as follows: [J. Patrick Donnelly, David E. Naugle, Daniel P. Collins, Bruce D. Dugger, Brady W. Allred, Jason D. Tack, and Victoria J. Dreitz. Synchronizing conservation to seasonal wetland hydrology and waterfowl migration in semi-arid landscapes.](#) (June 2, 2019)

Contact: Access requests and questions regarding use of the data should be submitted to Patrick Donnelly, IWJV Spatial Ecologist, patrick_donnelly@fws.gov.