

Harney Basin Groundwater Study

OWRD and USGS Reports and Data Releases

The following reports and data releases are products of the OWRD-USGS Harney Basin groundwater study. The reports and releases thoroughly present the study data, analyses, methodologies, and results.

Beamer, J.P., and Hoskinson, M.D., 2021, Historical irrigation water use and groundwater pumpage estimates in the Harney Basin, Oregon, 1991–2018: Oregon Water Resources Department Open File Report 2021–02, 53 p.
[https://www.oregon.gov/owrd/wrdreports/OWRD_OFR_2021-02_Harney_Basin_METRIC_Irrigation_Use_Report.pdf.]

Boschmann, D.E., 2021, Generalized geologic compilation map of the Harney Basin: Oregon Water Resources Department Open File Report 2021–01, 57 p.
[https://www.oregon.gov/owrd/wrdreports/OWRD_OFR_2021-01_report.pdf.]

Corson-Dosch, N.T., and Garcia, C.G., 2022, Soil-water-balance (SWB) model archive used to simulate mean annual upland recharge from infiltration of precipitation and snowmelt in Harney Basin, Oregon, 1982–2016: U.S. Geological Survey data release.
[<https://doi.org/10.5066/P94NH4D8>.]

Garcia, C.A., Corson-Dosch, N.T., Beamer, J.P., Gingerich, S.B., Grondin, G.H., Overstreet, B.T., Haynes, J.V., and Hoskinson, M.D., 2022, Hydrologic budget of the Harney Basin groundwater system, Oregon: U.S. Geological Survey Scientific Investigations Report 2021–5128, 140 p.
[<https://doi.org/10.3133/sir20215128>.]

Garcia, C.A., Haynes, J.V., Overstreet, B., and Corson-Dosch, N., 2021, Supplemental data—Hydrologic budget of the Harney Basin groundwater system, Oregon: U.S. Geological Survey data release.
[<https://doi.org/10.5066/P9QABFML>.]

Gingerich, S.B., Johnson, H.M., Boschmann, D.E., Grondin, G.H., and Garcia, C.A., 2021, Contour data-set of the potentiometric surfaces of shallow and deep groundwater-level altitudes in Harney Basin, Oregon, February–March 2018: U.S. Geological Survey data release.
[<https://doi.org/10.5066/P9ZJTZUV>.]

Gingerich, S.B., Johnson, H.M., Boschmann, D.E., Grondin, G.H., and Garcia, C.A., 2022a, Groundwater resources of the Harney Basin, Oregon: U.S. Geological Survey Scientific Investigations Report 2021–5103, 116 p.
[<https://doi.org/10.3133/sir20215103>.]

Gingerich, S.B., Johnson, H.M., Boschmann, D.E., Grondin, G.H., Garcia, C.A., and Schibel, H.J., 2022b, Location information, discharge, and water-quality data for selected wells, springs, and streams in the Harney Basin, Oregon: U.S. Geological Survey data release.
[<https://doi.org/10.5066/P9J0FE5M>.]

Gingerich, S.B., Garcia, C.A., and Johnson, H.M., 2022c, Groundwater resources of the Harney Basin, southeastern Oregon: U.S. Geological Survey Fact Sheet 2022–3052, 6 p.
[<https://doi.org/10.3133/fs20223052>.]

Grondin, G.H., 2021, Methods and results for estimating groundwater pumped, returned, and consumed for non-irrigation uses in the Harney Basin, Oregon: Oregon Water Resources Department Open File Report 2021–03, 28 p.
[https://www.oregon.gov/owrd/wrdreports/OWRD_OFR_2021-003_Harney_Basin_non_irrigation_GW_use_report_stamped.pdf.]

Grondin, G.H., Boschmann, D.E., Barnett, H.J., and Scandella, B.P., 2021, Methods and results for estimating the hydraulic characteristics of the subsurface materials in the Harney Basin, Oregon: Oregon Water Resources Department Open File Report 2021–04, 63 p.
[https://www.oregon.gov/owrd/wrdreports/OWRD_OFR_2021-04_Harney_Basin_subsurface_hydraulic_properties.pdf.]