

FY 2022 NGWMN Projects

Mojave Water Agency, California

The Mojave Water Agency (MWA) is undertaking this project to become a National Ground-Water Monitoring Network (NGWMN) data provider. In this project the MWA will set up web services to serve their data to the National Ground-Water Monitoring Network Data Portal. They will develop site selection and classification criteria for candidate sites and then use these criteria to select and classify sites for the NGWMN. They will add metadata for the new sites to the NGWMN Monitoring Location Registry.

Colorado Department of Natural Resources

The Colorado Division of Water Resources (CODWR) is a current water-level Network data provider. In this project the CODWR will provide persistent data services for one year to ensure that their data continues to flow to the National Ground-Water Monitoring Network (NGWMN) Data Portal and that the metadata for Network sites are up to date. They will also evaluate 142 potential sites from the South Platte Alluvial aquifer for inclusion in the NGWMN. Selected sites will be added to the NGWMN Monitoring Location Registry.

St. Johns River Water Management District, Florida

The St. Johns River Water Management District (SJRWMD) is a current water-level Network data provider. In this project the SJRWMD will provide persistent data services for two years to ensure that their data continues to flow to the National Ground-Water Monitoring Network Data Portal and that the metadata for Network sites are up to date. They will also replace continuous water-level monitoring equipment at 33 wells.

Illinois State Water Survey

The Illinois State Water Survey (ILSWS) is a current water-level Network data provider. In this project the ILSWS will provide persistent data services for two years to ensure that their data continues to flow to the National Ground-Water Monitoring Network (NGWMN) Data Portal and that the metadata for Network sites are up to date. As part of persistent data services work, they plan to add 15-20 new wells to the NGWMN. They will also repair a well that has been damaged and will purchase monitoring equipment to upgrade 10 wells to continuous water-level monitoring.

Indiana Geologic and Water Survey

The Indiana Geological and Water Survey (INGWS) is a current water-level and water quality Network data provider. In this project the INGWS will perform work to upgrade their workflow and web services to provide more consistent data to the National Ground-Water Monitoring Network. They will drill a new monitoring well in the alluvial aquifer in Greene County. They will replace continuous water-level monitoring equipment at three wells.

Iowa Geological Survey

The Iowa Geological Survey (IGS) is a current water-level Network data provider. In this project the IGS will drill a replacement well in the Dakota aquifer and install water-level monitoring equipment in two Dakota wells to upgrade them to continuous water-level monitoring.

Massachusetts Department of Conservation and Recreation

The Massachusetts Department of Conservation and Recreation (MADCR) is a current water-level Network data provider. In this project the MADCR will replace existing real-time water-level monitoring equipment at 30 wells.

Minnesota Department of Natural Resources

The Minnesota Department of Natural Resources (MNDNR) is a current water-level Network data provider. In this project the MNDNR will replace continuous water-level monitoring equipment at 26 wells.

Missouri Department of Natural Resources

The Missouri Department of Natural Resources (MODNR) is a current water-level Network data provider. In this project the MODNR will provide persistent data services for one year to ensure that their data continues to flow to the National Ground-Water Monitoring Network (NGWMN) Data Portal and that the metadata for Network sites are up to date. They will also add 13 new wells to the NGWMN. They will review existing data to fill data gaps at 81 wells, perform downhole video inspections at 16 wells, and will do well-integrity testing at four wells.

Nebraska Conservation and Survey Division

The University of Nebraska-Lincoln Conservation and Survey Division (CSD) is a current water-level Network data provider. In this project the CSD will provide persistent data services for one year to ensure that their data continues to flow to the National Ground-Water Monitoring Network Data Portal and that the metadata for Network sites are up to date. They will also replace continuous water-level monitoring equipment at 16 wells.

New Hampshire Geological Survey

The New Hampshire Department of Environmental Services (NHDES) is a current water-level Network data provider. In this project the NHDES will provide persistent data services for two years to ensure that their data continues to flow to the National Ground-Water Monitoring Network (NGWMN) Data Portal and that the metadata for Network sites are up to date. The NHDES will do borehole camera work to fill well construction data gaps at one well. They will replace surface casing at one well and pump 14 overburden wells for well integrity evaluation. They will drill a well to replace a current site that has been impacted by nearby activities and will also drill a new bedrock well to fill a gap in the NGWMN.

New Mexico Bureau of Geology and Mineral Resources

The New Mexico Bureau of Geology and Mineral Resources (NMBGMR) is a current water-level Network data provider. In this project the NMBGMR will provide persistent data services for one year to ensure that their data continues to flow to the National Ground-Water Monitoring Network Data Portal and that the metadata for Network sites are up to date.

Ohio Department of Natural Resources

The Ohio Department of Natural Resources (OHDNR) is a current water-level Network data provider. In this project the OHDNR will upgrade continuous water-level monitoring equipment at 5 wells.

Texas Water Development Board

The Texas Water Development Board (TWDB) is a current water-level and water-quality Network data provider. In this project the TWDB will provide persistent data services for two years to ensure that their data continues to flow to the National Ground-Water Monitoring Network Data Portal and that the metadata for Network sites are up to date. They will also replace continuous water-level monitoring equipment at 28 wells.

Grand County, Utah

Grand County Utah is undertaking this project to become a National Ground-Water Monitoring Network (NGWMN) data provider. Grand County will coordinate with partner agencies to select sites in the Spanish Valley. In this project, Grand County will develop site selection and classification criteria for candidate sites and then use these criteria to select and classify sites for the National Ground-Water Monitoring Network (NGWMN). They will add metadata for the new sites to the NGWMN Monitoring Location Registry. They will coordinate with the Utah Geological Survey to provide the data to the NGWMN through their existing web services.

Utah Geological Survey

The Utah Geological Survey (UGS) is a current water-level and water quality Network data provider. In this project the UGS will provide persistent data services for two years to ensure that their data continues to flow to the National Ground-Water Monitoring Network Data Portal and that the metadata for Network sites are up to date. They will replace continuous water-level monitoring equipment at three wells and will upgrade five additional wells to continuous water-level monitoring.

Washington State Dept. of Ecology

The Washington State Department of Ecology (WADOE) is a current water-level Network data provider. In this project the WADOE will provide persistent data services for two years to ensure that their data continues to flow to the National Ground-Water Monitoring Network (NGWMN) Data Portal and that the metadata for Network sites are up to date. They will assess other existing wells in their network for inclusion in the NGWMN. They will drill three new wells to fill gaps in the NGWMN in Eastern Washington.

University of Wisconsin, Wisconsin Geologic and Natural History Survey

The Wisconsin Geological and Natural History Survey (WIGNHS) is a cooperative water-level Network data provider. In this project the WIGNHS will drill 7 wells and they will replace continuous water-level monitoring equipment at 16 wells.