

Central Basin Project - 3 Sites, 90 Acres of Groundwater Recharge

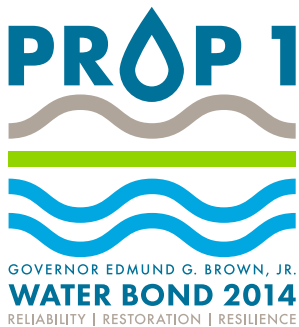
HAPPENING NOW

Three new Fresno Irrigation District (FID) groundwater recharge basins are under construction in your area: *a 40-acre site at East and Malaga Avenues, a 14-acre site at Orange and Lincoln Avenues, and a 36-acre site at Central and Hughes Avenues.* The sites are being excavated so they can receive, hold, and recharge water to help replenish the underlying groundwater aquifer. Together, the 90 acres of new recharge basins known as the Central Basin Project, will have the capability of recharging roughly 2,200 acre-feet, or 717 million gallons, to the aquifer on average each year. Work at all three sites is underway, and should conclude in February 2021.

Excavation of the 40-acre and 14-acre sites is being done in cooperation with the California High Speed Rail Authority. Fill material needed for High Speed Rail Projects is being excavated by the Authority's contractors, reducing the local cost of this important recharge project.

PART OF A LARGER PROJECT

These three basin construction projects are part of a larger grant-funded project, done in partnership with the Fresno Metropolitan Flood Control District



(FMFCD). The **'Fresno Stormwater Capture, Retention and Reuse Project'**

is a multi-benefit project, at seven sites, spread across south Fresno from east to west. It is a \$12 million project, with 70% of the funding provided by the State of California's

Proposition 1 Storm Water Grant Program (Prop 1 SWGP). The 30% local cost share will be split by FID and FMFCD. The Prop 1 SWGP is administered by the State Water Resources Control Board.

The rest of the project's components:

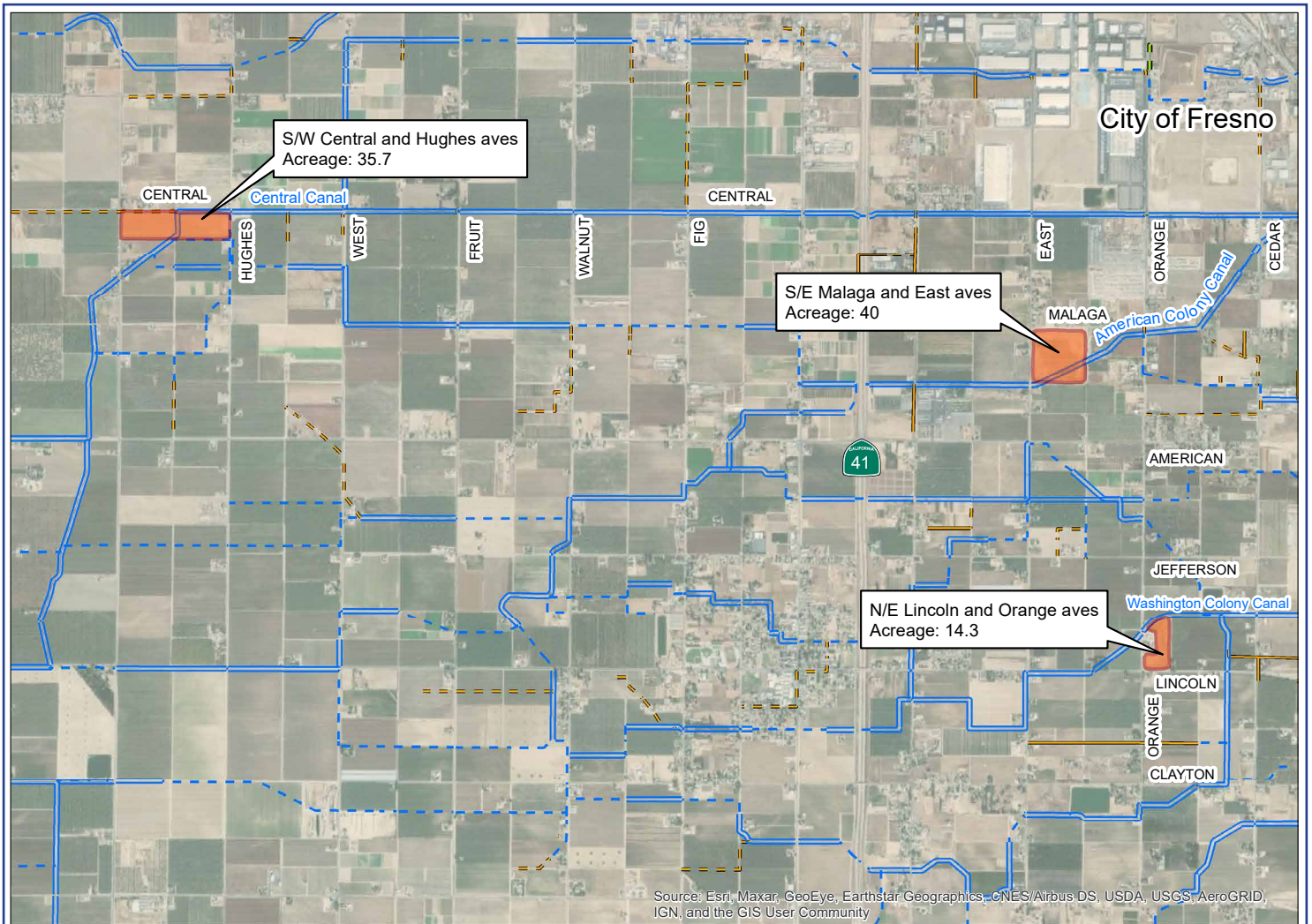
Gould Canal Pipeline – Over a half-mile of 72” pipeline was constructed in McCall Avenue, between

Princeton and McKinley Avenues, to connect FID's Gould Canal to FMFCD's 271-acre Fancher Creek Detention Basin. The pipeline will deliver stormwater from the canal to the basin to: 1) improve flood protection by allowing stormwater to be routed out of Gould Canal to increase canal capacity during major storms; and 2) improve regional water supply self-reliance by retaining water that may otherwise be lost to the area due to lack of storage, and allowing it time to percolate through soil and recharge the groundwater aquifer. Work was completed in October 2020.

Fancher Creek Detention Basin pump station and pipeline construction – The pump station will house six, 33 cubic feet per second pumps and a telemetry system. The pipeline will connect the basin to FID's Fresno Canal, running through the middle of the basin. This new infrastructure will allow movement of large volumes of water with remote operations. The detention basin will eventually have the ability to hold 1,891 acre-feet of stormwater to protect people and properties downstream from flooding, and will have an annual groundwater recharge capability of 2,500 acre-feet. Work is scheduled to conclude in February 2021.

Two existing stormwater basins to be improved – One adjacent to Freeway 180, north of Kings Canyon Road, and one south of Kings Canyon Road and east of Clovis Avenue, will have increased groundwater recharge and flood control capability. New pump stations, and pipelines will connect them to FID canals to give the basins a combined average annual groundwater recharge capability of 450 acre-feet, and allow them to accept flood water during the rainy season.

Together, these completed infrastructure projects will allow the capture and retention of flood and other surface waters to provide more flood protection from major storms, and an **annual average of 5,150 acre feet of groundwater recharge capability** to help reverse our area's longstanding groundwater overdraft conditions. Additional benefits include creating more aquatic ecosystem and wildlife habitat at the six basin sites, with a total of 392 acres.



Central Basin Project

- Legend**
- FID Canal
 - - - *FID Pipeline
 - Central Basin Project Basins
 - Private Canal
 - - - *Private Pipeline

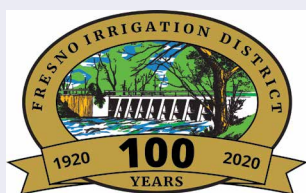
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Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

**For questions on
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