



East Kaweah GSA plans to create a sustainable groundwater supply using groundwater recharge projects. The following projects focus on capturing available surface water to recharge the aquifer within the East Kaweah GSA boundary. These projects are an effort to stabilize groundwater levels and reduce the impacts of groundwater overdraft.

Cottonwood Creek Recharge Project

Implementing agencies: Stone Corral Irrigation District, Ivanhoe Irrigation District

About the project: This recharge project will capture available surface water and recharge the aquifer through the creek bed. An 8-mile stretch of Cottonwood Creek will be used for recharge. It is located at the intersection of Friant-Kern Canal and Cottonwood Creek on the west side of East Kaweah GSA, west of Woodlake and northeast of Ivanhoe.



The project includes construction of a turnout from Friant-Kern Canal into Cottonwood Creek to capture Central Valley Project water supplies when available and recharge the aquifer. In-lieu recharge is another benefit of the project, as growers may access floodwater for irrigation, decreasing groundwater use.



Project funding: Cottonwood Creek Recharge Project received a \$750,000 SGM Implementation Grant from the Department of Water Resources.

Total cost: \$750,000

Project status: In progress



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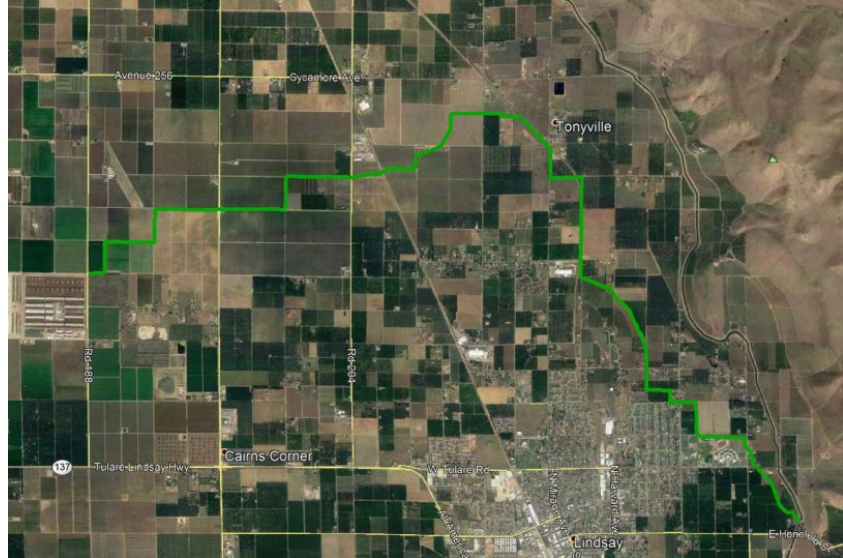
Lewis Creek Recharge Project

Implementing agency:

Lindmore Irrigation District

About the project:

This project will recharge an estimated 3,000 acre-feet of water annually. Construction of a turnout from Friant-Kern Canal into Lewis Creek will capture Central Valley Project water supplies when available and recharge the aquifer. This project will use 9 miles of Lewis Creek for groundwater recharge through the creek bed.



Project funding: The Department of Water Resources awarded a \$650,000 grant for the project, and \$35,000 was local cost share.

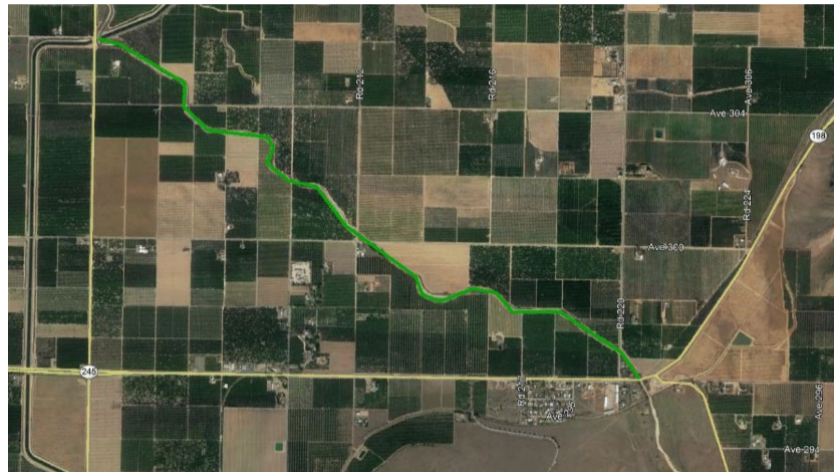
Total cost: \$685,000

Project status: In progress

Yokohl Creek Recharge Project

Implementing agency: Exeter Irrigation District

About the project: The Yokohl Creek Recharge Project will capture available surface water and recharge the aquifer through the Yokohl Creek bed. In-lieu recharge may also occur through decreased use of groundwater wells by using floodwater for irrigation. The project will utilize the existing Exeter Irrigation District





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turnouts to deliver Central Valley Project water supplies when available and recharge the aquifer via the Yokohl Creek channel. The project will use nearly 3 miles of Yokohl Creek for recharge. This project costs an estimated \$135,000, funded by a combination of grants, Exeter Irrigation District, and East Kaweah GSA funds.

Project funding: Yokohl Creek received a \$500,000 SGM Implementation Grant from the Department of Water Resources.

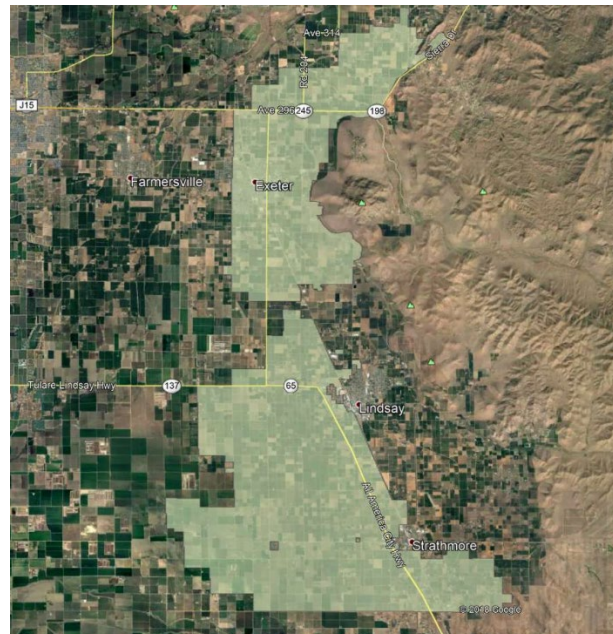
Total cost: \$500,000

Project status: In progress

Lindmore/Exeter Dry Wells Project

Implementing agencies: Lindmore Irrigation District, Exeter Irrigation District

About the project: This project will capture available surface water for recharge to help achieve groundwater sustainability in the East Kaweah GSA. An estimated 150 dry wells will be constructed throughout Exeter and Lindmore Irrigation Districts for groundwater recharge. The wells will be placed near access to surface water connections to develop widespread groundwater recharge at a recharge return rate of approximately 0.5 acre-feet per day. The project will cost approximately \$2.5 million, funded by a combination of grants and agency funds from the Lindmore Irrigation District, Exeter Irrigation District, and East Kaweah GSA.



Project funding: The Dry Wells Project received a \$200,000 SGM Implementation Grant from the Department of Water Resources.

Total cost: \$200,000

Project status: In progress



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Rancho de Kaweah Water Management & Banking Project

Implementing agency: Lindsay-Strathmore Irrigation District

About the project: This project will store and manage excess Central Valley Project and Kaweah River water supplies from project participants. Like a financial bank which allows customers to deposit and withdraw assets, a water bank allows customers to deposit surface water for future withdrawal. Water banking provides opportunity for groundwater recharge along with the storage, banking, and re-regulation of surface water supplies. This banking project is located near Exeter Boulevard and the Lower Kaweah River in Tulare County. It requires constructing recharge and recovery facilities on approximately 1,200 acres, along with a conveyance system.



Lake Kaweah stores Kaweah River water supplies. The water bank will increase Kaweah River storage and capacity below Lake Kaweah in high flow years.

Project funding: The project costs approximately \$12 million, but the final cost is not yet determined.

Project status: Under review

Lindsay Recharge Basin

Implementing agencies: Lindmore Irrigation District, City of Lindsay

About the project: The Lindsay Recharge Basin captures available surface water to recharge the aquifer for groundwater sustainability. This project uses an existing 8-acre basin to increase the recharge capacity to an estimated 150 acre-feet annually. The project included constructing conveyance facilities to improve recharge capacity to the basin site.



First flows into Lindsay Recharge Basin occurred in spring 2023.



The basin provides recharge when Central Valley Project surface water is available from the Friant-Kern Canal.

Project funding: The Lindsay Recharge Basin recharge project costed \$443,000 and was funded primarily through a \$330,000 grant from the Department of Water Resources, with supplemental financial support from the City of Lindsay, Lindmore Irrigation District.

Total cost: \$443,000

Project status: Complete

Wutchumna Ditch Delivery Project

Implementing agencies: Wutchumna Water Company, Ivanhoe Irrigation District

About the project: This project will capture excess water in wet years and recharge the aquifer in the Wutchumna Ditch bed through an existing connection to the Friant-Kern Canal through a Tulare Irrigation District turnout. In-lieu recharge may occur through decreased use of groundwater wells by using surface water for irrigation. This project utilizes 10 miles of Wutchumna Ditch. It is located at the intersection of Wutchumna Ditch and Tulare Irrigation District turnout west of the Friant-Kern Canal. It also runs west into non-districted areas of the East Kaweah GSA in Tulare County.



Completion of this delivery project requires environmental permitting and management agreements. Wutchumna Ditch and spur ditches will capture Central Valley Project water supplies when available to recharge the aquifer. This project will recharge approximately 480 acre-feet of water annually.

Project funding: The project costs an estimated \$100,000, but the final cost is not yet determined.

Project status: Under review



Additional Projects in the East Kaweah GSA Service Area

Upper Lewis Creek

- Total cost: \$375,000
- Project status: In progress

Sentinel Butte Mutual Water Company Flood Capture

- Total cost: \$375,000
- Project status: In progress

SkyTem Geophysical Survey and Mapping

- Total cost: \$185,000
- Project status: Complete

Well Metering Study

- Total cost: \$75,000
- Project status: Complete

Water Quality Survey

- Total cost: \$83,800
- Project status: Complete

Ground Subsidence Monitoring

- Total cost: \$45,000
- Project status: Complete

Monitoring Wells

- Total cost: \$100,700
- Project status: Complete