



State Water Resources Control Board



Division of Water Rights

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Linda S. Adams
Acting Secretary for
Environmental Protection

Edmund G. Brown Jr.
Governor

APPLICATION NO. _____
(Leave blank)

UNDERGROUND STORAGE SUPPLEMENT TO APPLICATION TO APPROPRIATE WATER BY PERMIT

1. State amount of water to be diverted to underground storage from each point of diversion in item 3b of form APP.

- a. Maximum Rate of diversions (1) 600 (2) _____ (3) _____ cfs
- b. Maximum Annual Amount (1) 72,000 (2) _____ (3) _____ acre-feet

2. Describe any works used to divert to offstream spreading grounds or injection wells not identified in item 7 of form APP.

Existing turnouts will be used to divert the water from the Winters and West Adams Canals to existing agricultural lands within the District's boundaries.

3. Describe spreading grounds and identify its location and number of acres or location of upstream and downstream limits if onstream.

Recharge will occur via seepage from the Districts 160-mile unlined canal system. In addition, water will be spread on up to 50,000 acres of existing agricultural land located within the District's service area boundaries.

4. State depth of groundwater table in spreading grounds or immediate vicinity:

See Att. No. 1 feet below ground surface on _____ 19__ measured at a point located within the _____ ¼ of _____ ¼ of Section _____, T _____, R _____, _____ B&M

5. Give any historic maximum and or minimum depths to the groundwater table in the area.

See Att. No. 1

Location _____ Maximum _____ feet below ground surface on _____ (date)

Location _____ Maximum _____ feet below ground surface on _____ (date)

6. Describe proposed spreading operation.

Water will be diverted into the District's existing canal system. Recharge will occur via the 160-miles of unlined canals. In addition, the District will work with interested farmers and landowners within the District's boundaries to spread surface water on up 50,000 acres of existing agricultural lands. The water will be managed just as an existing water delivery within the District's conveyance system and all administrative rules will apply.

7. Describe location, capacity and features of proposed pretreatment facilities and/or injected wells.

N/A

8. Reference any available engineering reports, studies, or data on the aquifer involved.

Yolo County Flood Control & Water Conservation District's Groundwater Management Plan (2006):

http://www.water.ca.gov/groundwater/docs/GWMP/SR-35_YoloCountyFCWCD_GWMP_2006.pdf

Scott and Scalmanini's 1975 Report: Investigations of Groundwater Resources, Yolo County.

9. Describe underground reservoir and attach a map or sketch of its location.

The subbasin that will be recharged from this project is the Yolo subbasin. See Attachment No. 1 for a map of the primary groundwater basin within Yolo County.

10. State estimated storage capacity of underground reservoir.

The estimated storage capacity of the underground reservoir for the entire Yolo County is approximately 14 million acre-feet (Ludhorff & Scalminini, 1975).

11. Describe existing use of the underground storage reservoir and any proposed change in its use.

Water stored in the underground storage reservoir is currently used for municipal, domestic, commercial, industrial, stockwatering, and irrigation purposes. The District's water users primarily use the underground storage reservoir for irrigation purposes.

12. Describe the proposed method and location of measurement of water placed into and withdrawn from underground storage.

The water will be delivered to a farm via a turnout and the measuring and recording of flow over time will occur to record the volume of applied water. The District's monitoring wells will be used to monitor the groundwater use over time (see Attachment No. 1 for monitoring well locations) and the District will ensure that the first 72,000 acre-feet of groundwater pumped onto agricultural lands within the District is banked groundwater related to this temporary permit.

Additional copies of this form and water right information can be obtained at www.waterrights.ca.gov.