

DRAFT -- September 16, 2025 **FINAL**

Implementation Options to Inform Projects and Management Actions

Category	Method	Implementation Option	Implementation Option Description	Responsible Party
Recharge Groundwater	Winter Flow Diversions	1	Divert winter flows to spread on fallow/dormant farm fields or basins identified by YSGA and willing landowners	YSGA/Landowner
		2	Divert winter flows and send at low flow rates through the Hungry Hollow Canal	YFCWCDC
		3	Purchase land or easement & construct basins and berms on agricultural fields to recharge water identified by YSGA and willing landowners	YSGA/Landowner
		4	Construct shallow dry wells to increase infiltration identified by YSGA and willing landowners	YSGA/Landowner
		5	Construct injection wells identified by YSGA and willing landowners to increase targeted aquifer recharge	YSGA/Landowner
		6	Construct sand dams identified by willing landowners to increase infiltration	Landowner
	Land Management Practices	7	Construct shallow dry wells to increase infiltration identified by YSGA and willing landowners	YSGA/Landowner
		8	Construct sand dams identified by willing landowners to increase infiltration	Landowner
		9	Increase infiltration & slow/reduce runoff in the upper watershed using established best practices, including voluntarily restoration of hillslopes, sediment traps, farm ponds, rangeland ponds, circulating ponds, and cover cropping.	Landowner/Yolo County
Reduce Groundwater Use	Conjunctive Use	10	Increase surface water use among existing surface water users and attract new surface water users already connected to existing system	YFCWCDC/Landowner
		11	Find, construct or purchase additional surface water rights and/or storage	YFCWCDC
	Land Management Practices	12	Increase soil health by cover cropping, i.e. reducing bare soil during off-season/between rows	Landowner
		13	Improve soil health by planting without tilling the soil	Landowner
		14	Change to less water intensive crops	Landowner
	Incentive Programs	15	Help landowners apply for SWEEP or other grant programs to encourage drip/micro/subsurface irrigation, reduce leaks, etc.	YSGA
	16	Place limits on groundwater extraction in Yolo Subbasin during drought periods based on Minimum Threshold Trigger as defined in the GSP	YSGA	

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	<i>Regulations</i>	17	Temporarily restrict land uses countywide or create countywide zoning policies based on water availability, historical use, or other selected conditions until more data is available to understand the impacts of groundwater extraction for irrigated land in data gap areas	Yolo County
		18	Update well ordinance to further restrict new wells in areas that meet certain criteria (e.g. focus area moratorium)	Yolo County
	<i>Infrastructure Improvements</i>	19	Implement infrastructure improvements to extend surface water delivery to surface water users not currently connected to the existing system	YCFCWCD/Landowner
Improve Communication and Governance	<i>Communication</i>	20	Develop training opportunities featuring landowner-to-landowner knowledge sharing	YSGA/Landowner
		21	Develop groundwater sustainability technical assistance program for landowners to assess water usage	YSGA
		22	Provide quarterly updates on subbasin model to Board and Management Area Public Advisory Committees	YSGA
		23	Create private self-assessment tool for landowners to evaluate the contribution of existing land management practices to groundwater sustainability	YSGA
	<i>Governance</i>	24	Establish clear governance structure in Hungry Hollow	YSGA
Build on Existing Data	<i>Data Collection</i>	25	Monitor groundwater levels quarterly and consider providing to YSGA	Landowner
		26	Significantly update the groundwater portion of the subbasin model by 2028	YSGA
		27	Identify specific areas where projects and management actions would provide the greatest return on investment to increase sustainability	YSGA

Updated September 2, 2025