

## 5.2.8 Lindsay Recharge Basin

The following describes the Lindsay Recharge Basin Project, which will capture available surface water and recharge the aquifer to help achieve sustainability in the EKGSA area. The general project area is shown in **Figure 5-7**.

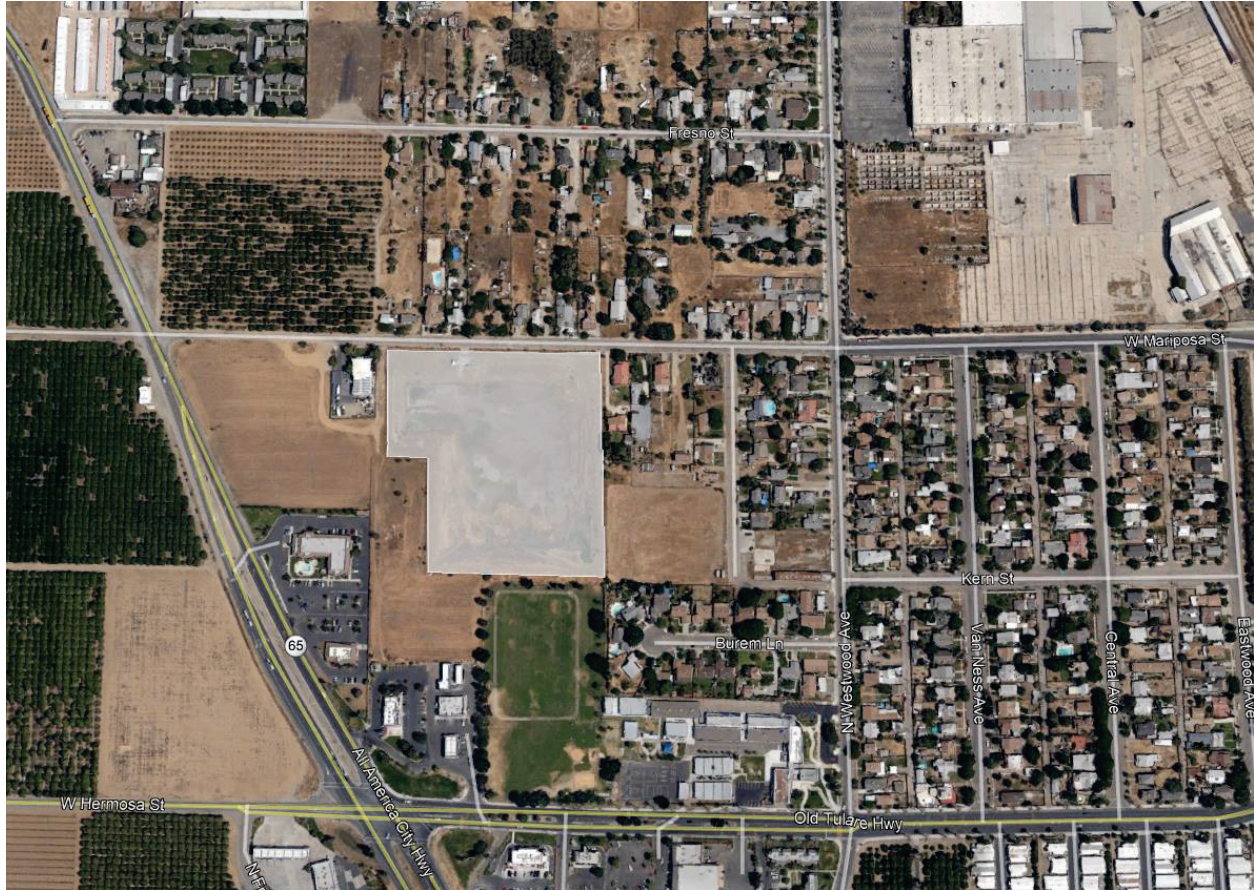


Figure 5-7 City of Lindsay Recharge Basin Site

<b>Project Title:</b>	Lindsay Recharge Basin	<b>Project ID:</b> EK6
<b>Project Type</b>	Recharge (basin)	
<b>Project Location</b>	The project site is located on APN 199-140-038 and -049 east of the intersection of Mariposa St. (Ave. 230) and Highway 65 in Tulare County – Section 12, T20S, R26E.	
<b>Implementing Agency</b>	Lindmore ID & City of Lindsay	

<b>Project Title:</b> Lindsay Recharge Basin	<b>Project ID:</b> EK6
<b>Project Description - 354.44(a)</b>	
The Lindsay Recharge Basin Project will entail improving recharge capability of an existing 8-acre basin and constructing conveyance facilities to improve capacity to the basin site. The basin will provide recharge when CVP water is available.	
<b>Measurable Objective(s) Addressed - 354.44(b)(1)</b>	
The project will primarily help stabilize groundwater levels and increase the amount of groundwater in storage. Indirectly there could be secondary benefits of some groundwater quality improvement and reduction in land subsidence.	
<input checked="" type="checkbox"/> Chronic Lowering of Groundwater Levels <input type="checkbox"/> Seawater Intrusion – <i>not applicable</i> <input checked="" type="checkbox"/> Land Subsidence	<input checked="" type="checkbox"/> Reduction of Groundwater Storage <input checked="" type="checkbox"/> Degraded Water Quality <input type="checkbox"/> Depletion of Interconnected Surface Water
<b>Circumstances and Criteria for Implementation - 354.44(b)(1)(A)</b>	
The project is in the conceptual stage and no feasibility work has begun. Environmental clearance would be necessary under CEQA and/or NEPA depending upon the ultimate funding source. This is a medium priority project because, while there is existing infrastructure in place, the projected benefit is not as great as other proposed projects and the cost-benefit is lower.	
<b>Process to Provide Notice of Implementation - 354.44(b)(1)(B)</b>	
The EKGSA will have ongoing efforts to engage stakeholders and the general public in the sustainability process, communicating the statutory requirement, the objectives of the GSP, and progress toward each identified measurable objective. Neighboring landowners will be notified about the project prior to implementation and environmental documents will be available for public review.	
<b>Estimated Annual Project Benefits (AF/yr) - 354.44(b)(2)</b>	
The actual recharge rate of the proposed project will be determined by the on-site soils and size of basin, but the intent is to improve the recharge capability of the existing basin to obtain an extra 5 AF/day and therefore yield an average annual recharge volume of 150 AF/year when CVP water is available.	
<b>Permitting and Regulatory Requirements - 354.44(b)(3)</b>	
The project will complete all necessary permitting and regulatory requirements such as CEQA documentation regarding potential impacts and construction permits (DCP and SWPPP). The program would utilize surplus CVP water when available.	
<b>Project Schedule - 354.44(b)(4) Anticipated Start &amp; Completion, Timeframe to accrue benefits</b>	
No project schedule has been determined. Once a source of funding is identified, a comprehensive schedule including environmental review, design, and construction will be developed. Given there is an existing basin, Project implementation is anticipated to occur within the first 5 years of GSP Implementation. Basin recharge can occur after construction, whenever surplus CVP water is available.	
<b>Evaluation of Benefits - 354.44(b)(5)</b>	
The volume of water delivered for recharge will be measured daily and summarized monthly. The rate of accrual of benefits will depend on the frequency of water availability and the percolation capacity of the soil. The water level of groundwater wells in the area is measured and water quality in the vicinity of the project is monitored. This data will be used to determine project impacts and benefits.	

<b>Project Title:</b> Lindsay Recharge Basin	<b>Project ID:</b> EK6
<b>How will project be accomplished, and what is the water source? - 354.44(b)(6)</b>	
The project will be accomplished by LID and the City of Lindsay and with support by the EKGSA. The water source will be CVP water.	
<b>Legal Authority - 354.44(b)(7)</b>	
LID and the City of Lindsay are both Friant CVP contractors and have the authority to deliver CVP water within their boundary. Both entities also have the legal authority to construct the project components upon receipt of applicable permits and easements.	
<b>Project Cost - 354.44(b)(8) Estimated Capital Cost Estimated annual cost/AF</b>	
The estimated project capital cost is approximately \$250,000 and the annual cost over a 20-year return period is estimated to be \$100 to \$125/AF, including operational and capital costs.	
<b>Funding Source - 354.44(b)(8)</b>	
The funding source will likely be a combination of grant funding, LID, City of Lindsay, and/or EKGSA.	
<b>Management of Groundwater Extractions and Recharge - 354.44(b)(9)</b>	
The project would be managed by LID and/or the City of Lindsay under the oversight of the EKGSA. Recharge volumes will be measured and reported by LID. Groundwater extraction will be by landowners in the area. Performance of the project would be a necessary part of the EKGSA's reporting requirements as well as evaluations of measurable objectives.	
<b>Level of Uncertainty - 354.44(d)</b>	
The level of uncertainty primarily involves funding availability and improvement to the permeability of the intended recharge area. The overall level of uncertainty is low for the volume of recharge water indicated.	