



**Water Sustainability Fund Summary Report for Project #5218**  
**Western Water Use Management Modeling Update and Extension**

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This is the summary report that outlines the work completed under the WSF Grant #5218 titled Western Water Use Management Model Update (WWUMM Update). The WWUMM Update completed every task that it set out to accomplish. Below is a list of the tasks that were completed:

- Pumpkin Creek and Lodgepole Creek Data Compilation, Interpretation, and Model Incorporation
- North Platte and South Platte River Surface Water Modeling
- Unstructured Grids Ground Water Modeling Update
- Refine Groundwater Modeling Geology and Hydrogeology of Southern Tablelands
- Update Modeling with LiDAR Data
- Refinement of Surface Water Land Use; Update and Extend Land Use through 2020
- Update and Extend the Models through 2020
- Coordination and Documentation

The total project budget was \$400,000, paid out to consultants to complete the work. The project was completed in June 2021.

For additional questions about the project, please contact the project's coordinator, Thad Kuntz, P.G., Principal Hydrogeologist of Adaptive Resources, Inc., at [thad@ari-water.com](mailto:thad@ari-water.com) or 308-633-2890.