

# LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT

## MEMORANDUM

**DATE:** MAY 24, 2022

**TO:** BOARD OF DIRECTORS  
Lake Arrowhead Community Services District

**FROM:** CATHERINE CERRI, General Manager

**SUBJECT:** LAKE ARROWHEAD TRACER STUDY  
PRESENTATION

### A. RECOMMENDATION

This is an information item only.

### B. REASON FOR RECOMMENDATION

This is an information item only.

### C. BACKGROUND INFORMATION

Researchers from the University of Nevada, Las Vegas in cooperation with the United States Bureau of Reclamation, the Arrowhead Lake Association and the Lake Arrowhead Community Services District conducted a study of Lake Arrowhead and will present the findings to the Board of Directors.

The researchers inserted two non-toxic tracers into Lake Arrowhead in early December, 2019 to determine the currents and help calibrate a three-dimensional hydrodynamic model of the lake. The study created a manual for water purveyors across the country to conduct similar studies and determine if augmenting an existing water body with recycled water is a viable option as an additional water supply.

A copy of the complete manual can be found on the District's website at:  
[http://www.lakearrowheadcsd.com/download/news-info/reports/ST-Final-Report\\_7100\\_508.pdf](http://www.lakearrowheadcsd.com/download/news-info/reports/ST-Final-Report_7100_508.pdf)

**D. FISCAL IMPACT**

This is an information item only.

**E. ENVIRONMENTAL IMPACT**

This is an information item only. The Bureau of Reclamation filed a Categorical Exclusion (Number CEC-LC-19-01) for the study in compliance with the National Environmental Policy Act.

**F. ATTACHMENTS**

Tracer Study Presentation