

# WATER YEAR 2023 FLOOD MAPPING

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## FLOOD INUNDATION ANALYSIS

Recent flooding of agricultural and other lands in various parts of California has wide-ranging and long-term impacts on crop production, water use, associated economies, property damage, access, safety, etc. Future flooding is expected to continue during snow melt. The past and future spatial extent and duration of this flooding is mostly unknown, however is now being quantified by Land IQ at the field and regional levels for the entire water year.

## THE DATA

Retrospective and ongoing continuous mapping product and numerical summaries at the field-scale of inundated (flooded) lands.

Timing: October 1, 2022 - September 30, 2023

Analysis Frequency: images captured every 3 - 6 days

Reporting Frequency: every 2 - 3 weeks via an online viewing and reporting platform

Spatial Extent: San Joaquin and Salinas Valleys

Granularity: Land IQ crop mapping field boundaries

Deliverables:

- Duration of inundation - accumulated days of flooding for each field
- Field Area Impact - extent of inundation for each flooded field (percent flooded cover)
- Crop Distribution - identification of land use (including crop type) experiencing flooding

## COST

The cost of this analysis begins at \$5,000 depending on the area of analysis and complexity of land use



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Learn more about Land IQ and our mapping products at [www.landiq.com/data](http://www.landiq.com/data).

