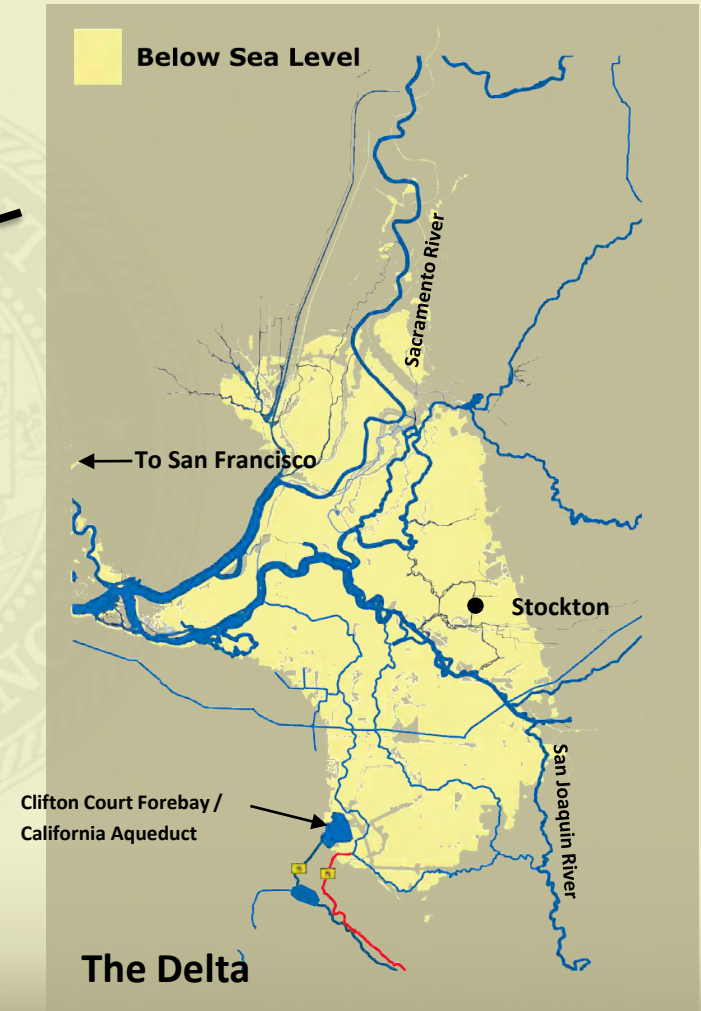




Overview of the:
Sacramento-San Joaquin Delta



Where is the Sacramento-San Joaquin Delta?



Protecting California from a Catastrophic Loss of Water

California depends on fresh water from the Sacramento-San Joaquin Delta (Delta) to:

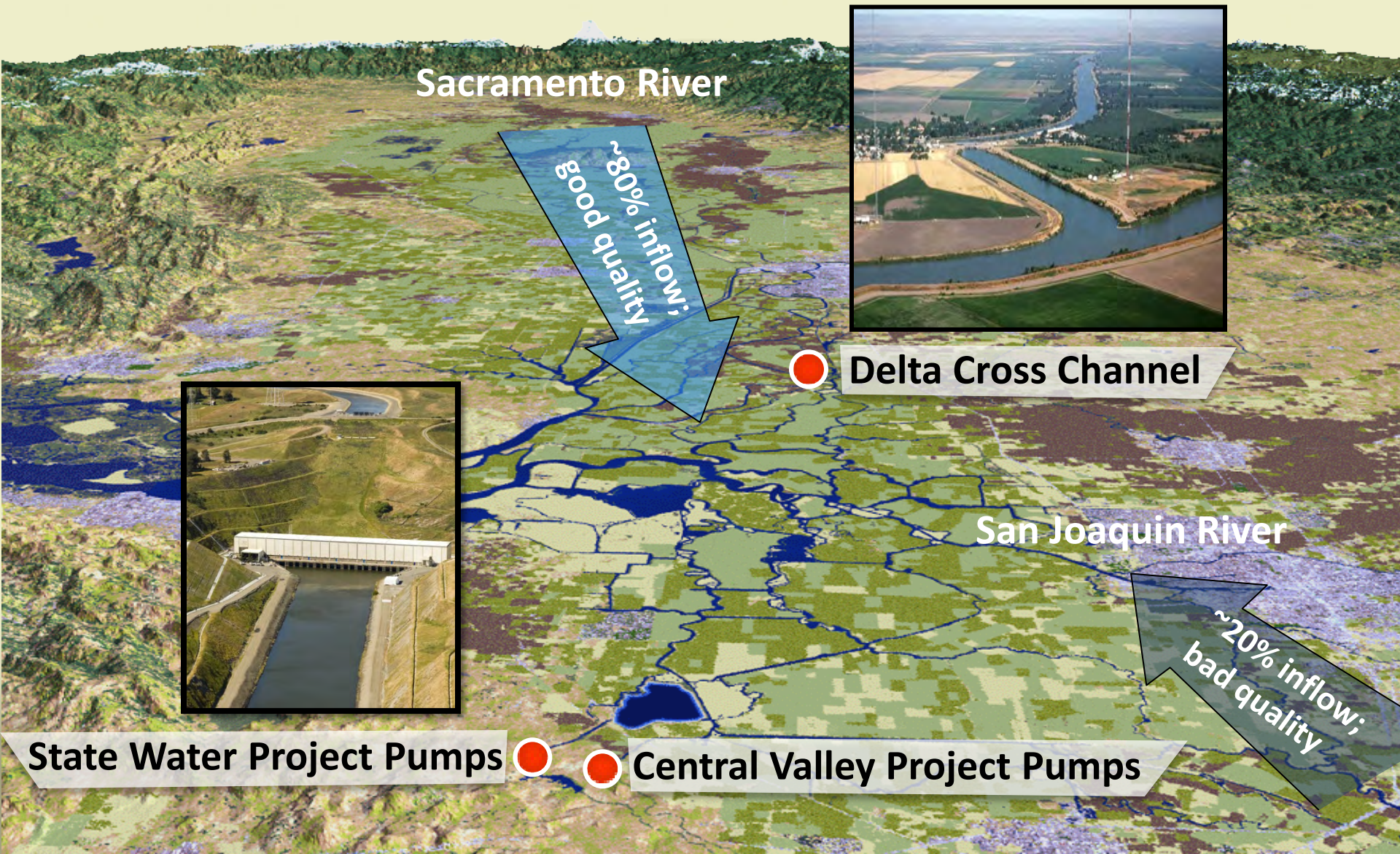
- ❖ Supply more than 25 million Californians, plus industry and agriculture
- ❖ Support \$400 billion of the state's economy

A catastrophic loss of water from the Delta would impact the economy:

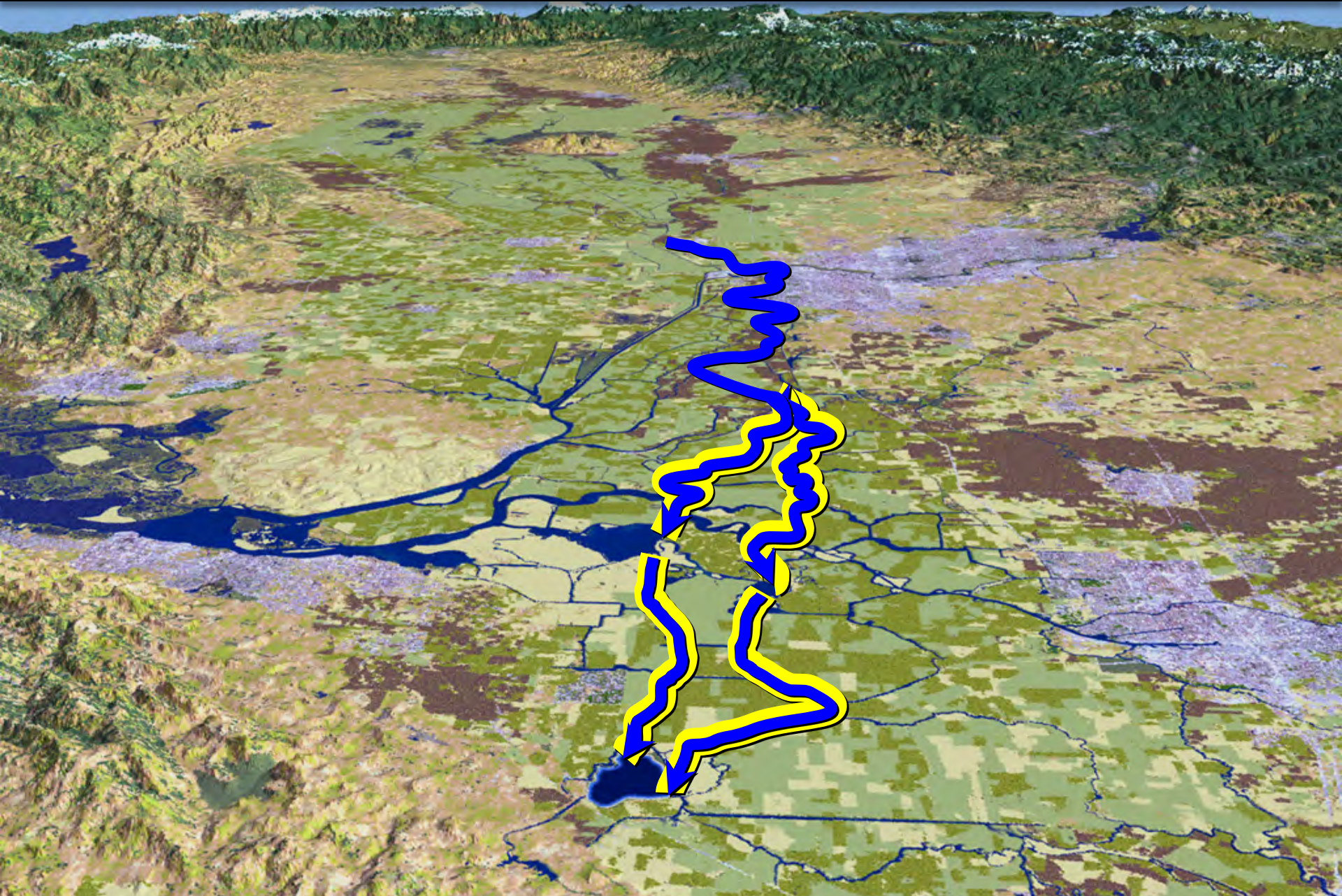
- ❖ Total costs to California's economy could be \$30-40 billion in the first five years
- ❖ Total job loss could exceed 30,000



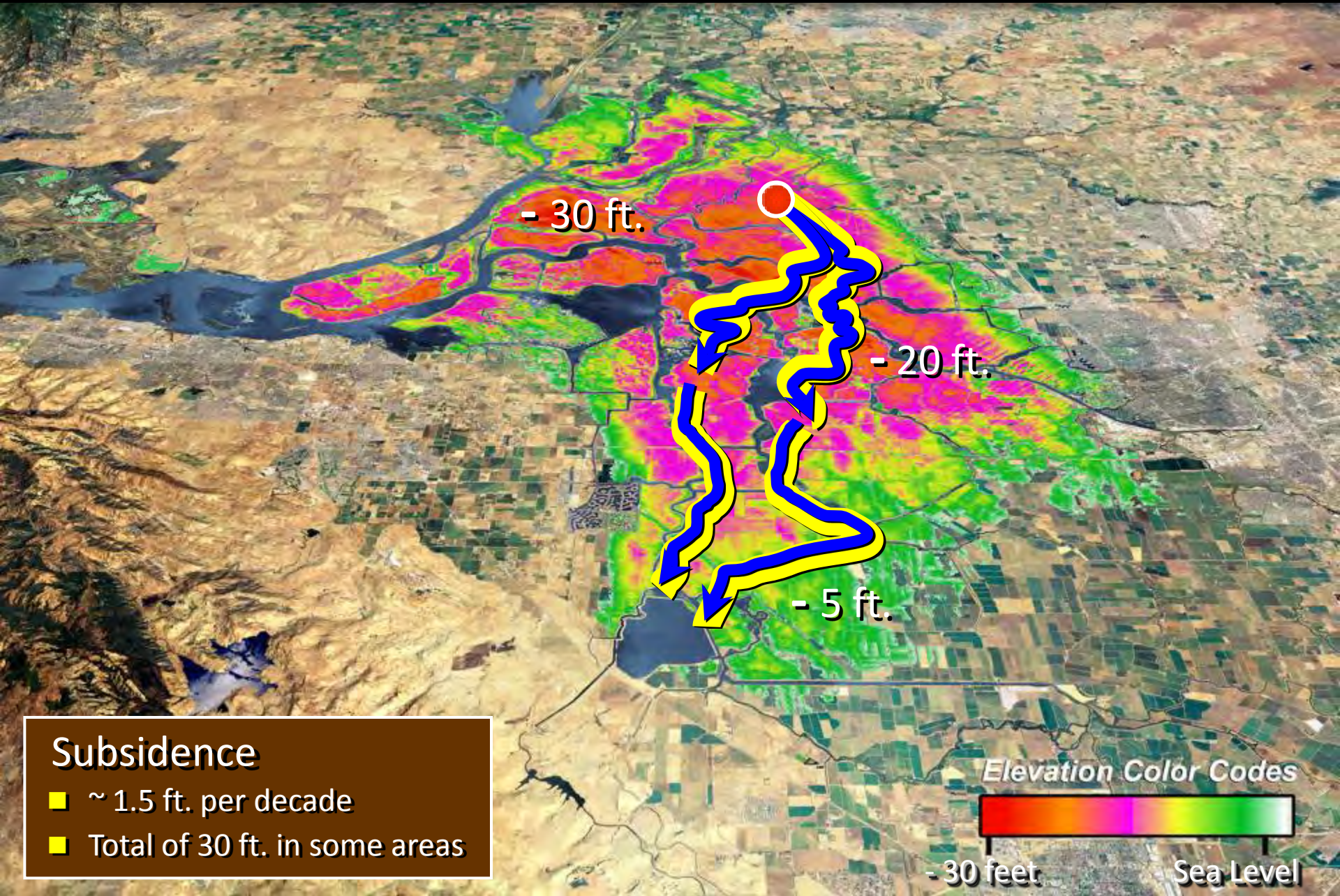
Delta Inflow



How Water Gets to the California Economy

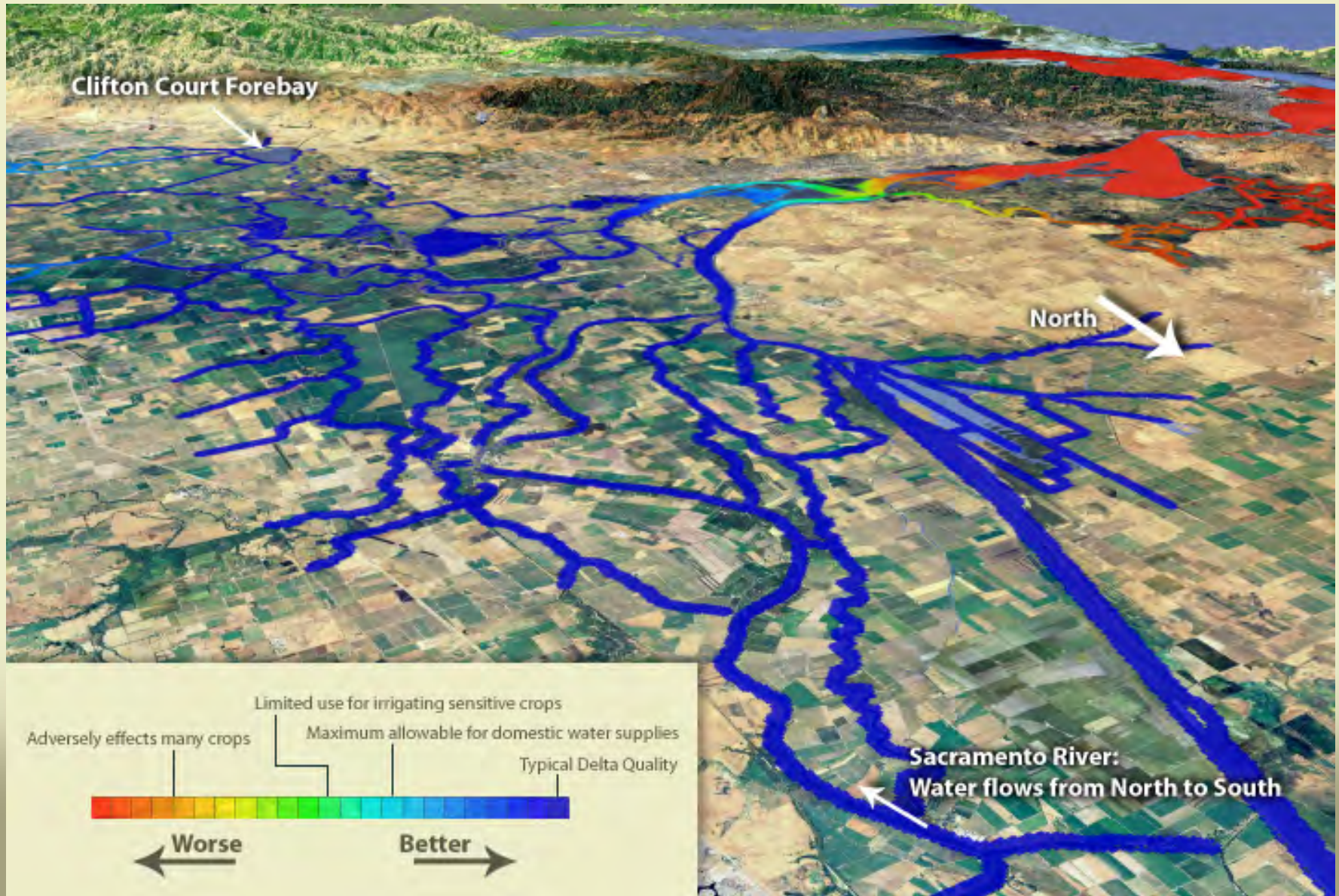


Land Subsidence Due to Farming and Peat Soil Oxidation



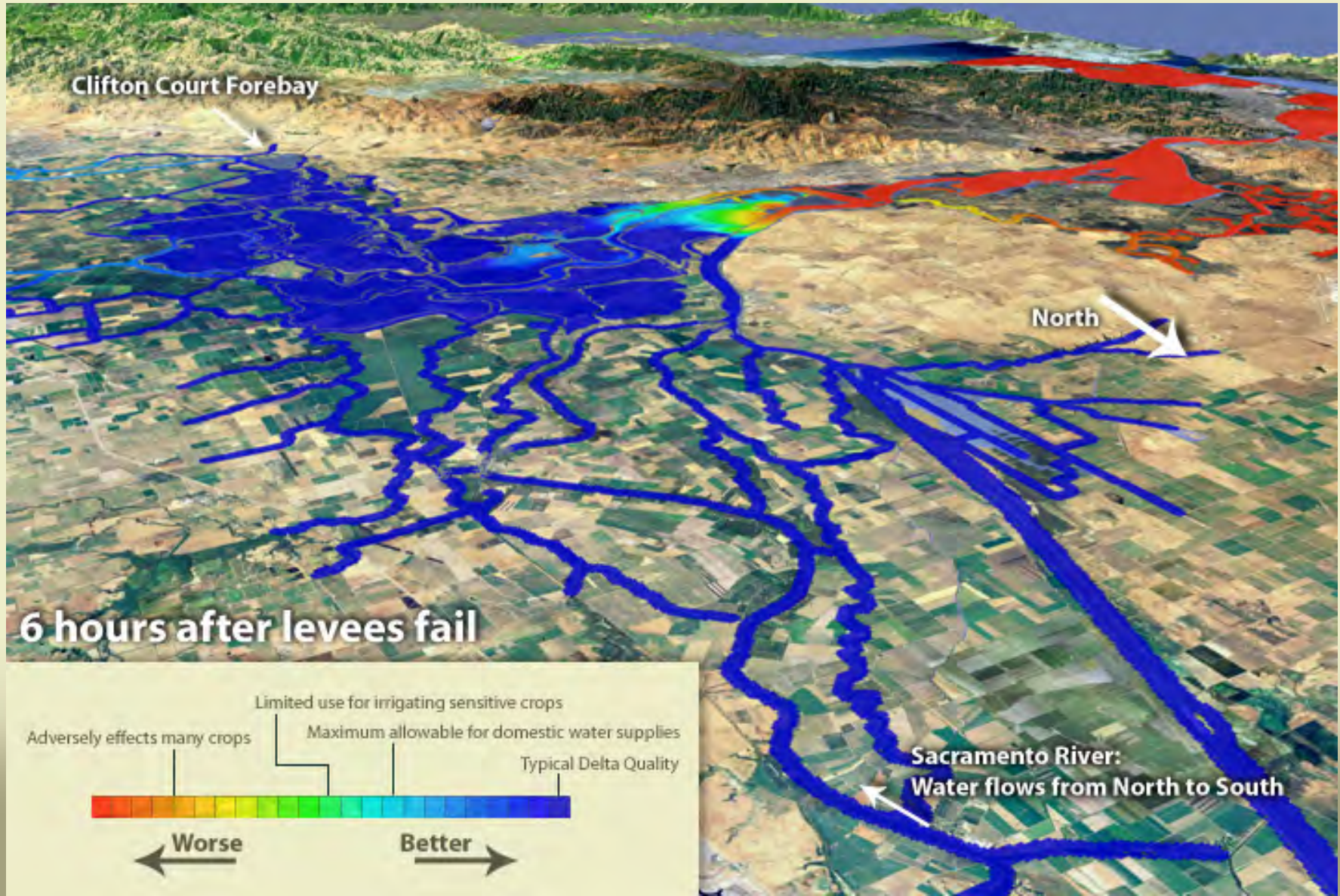
6.5 Earthquake—Resulting in 20 Islands Being Flooded

Aerial view of the Delta while flying southwest over Sacramento



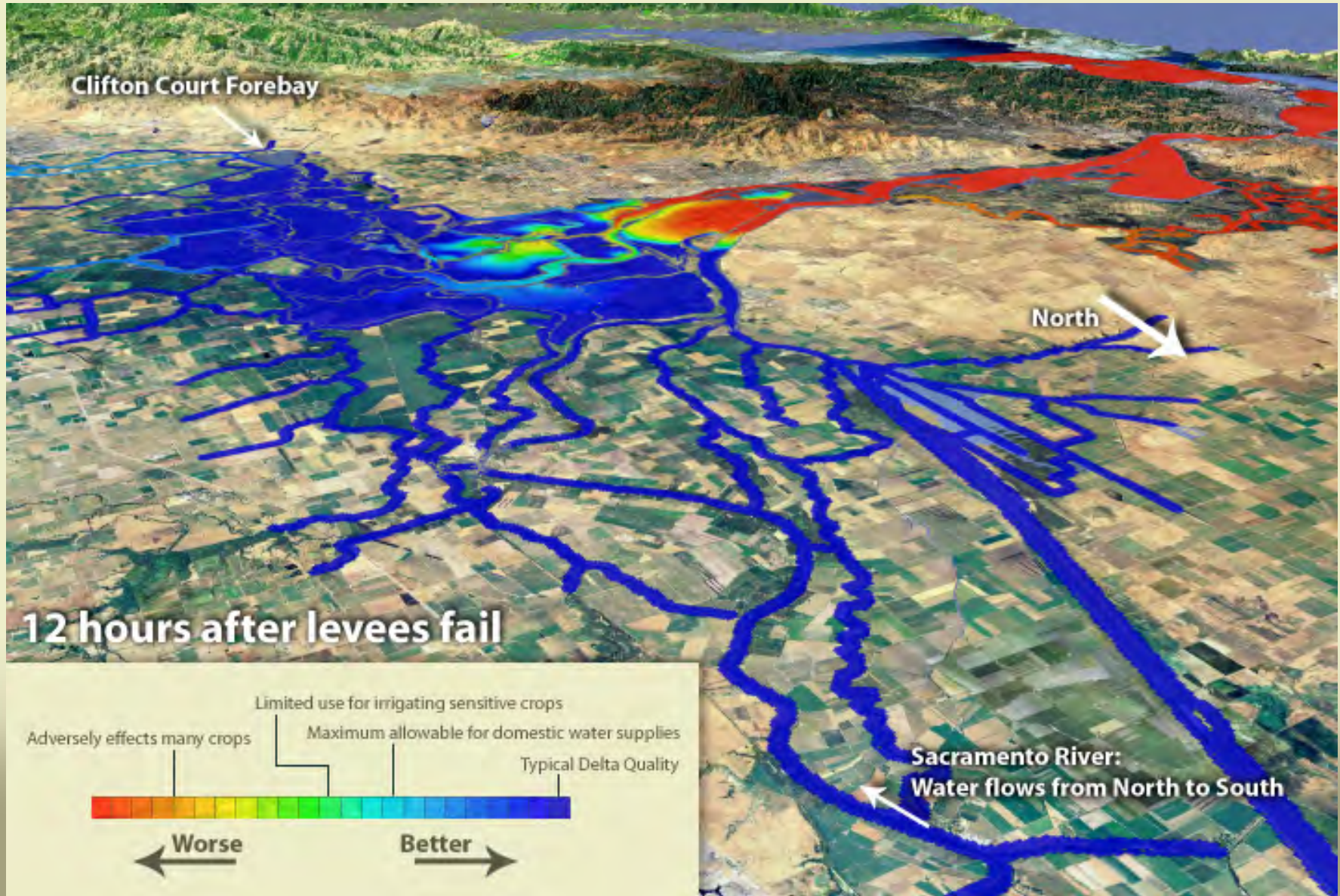
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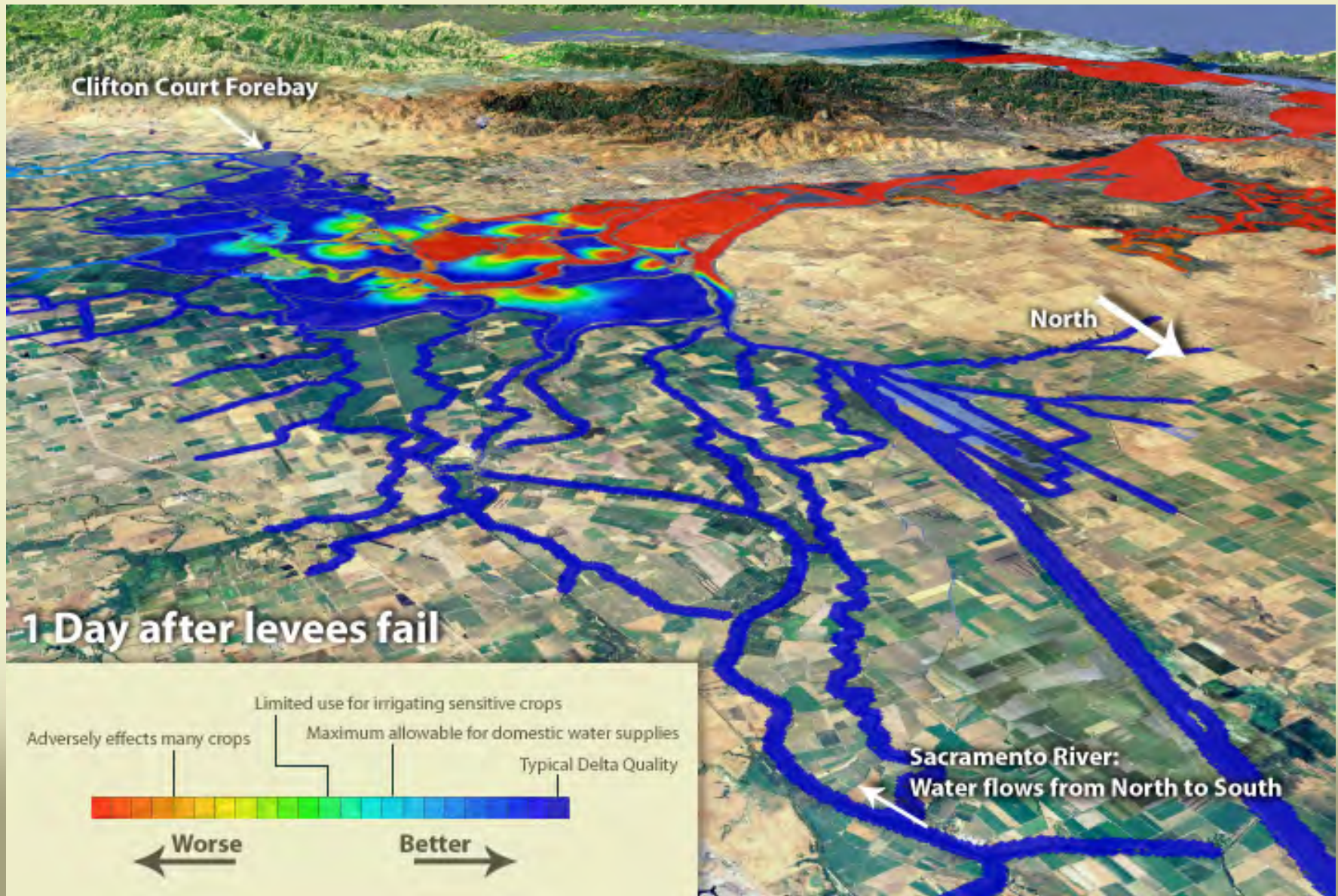
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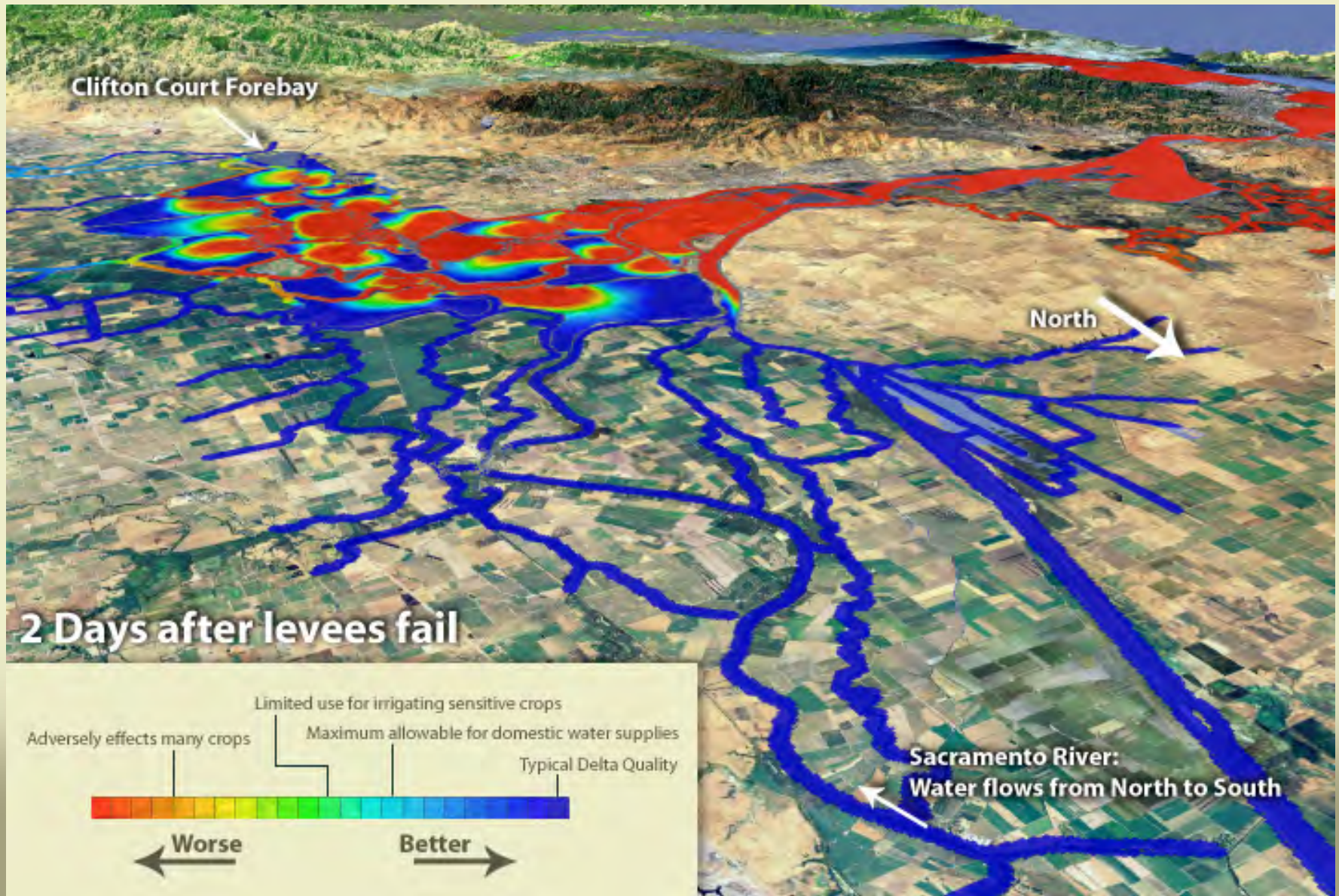
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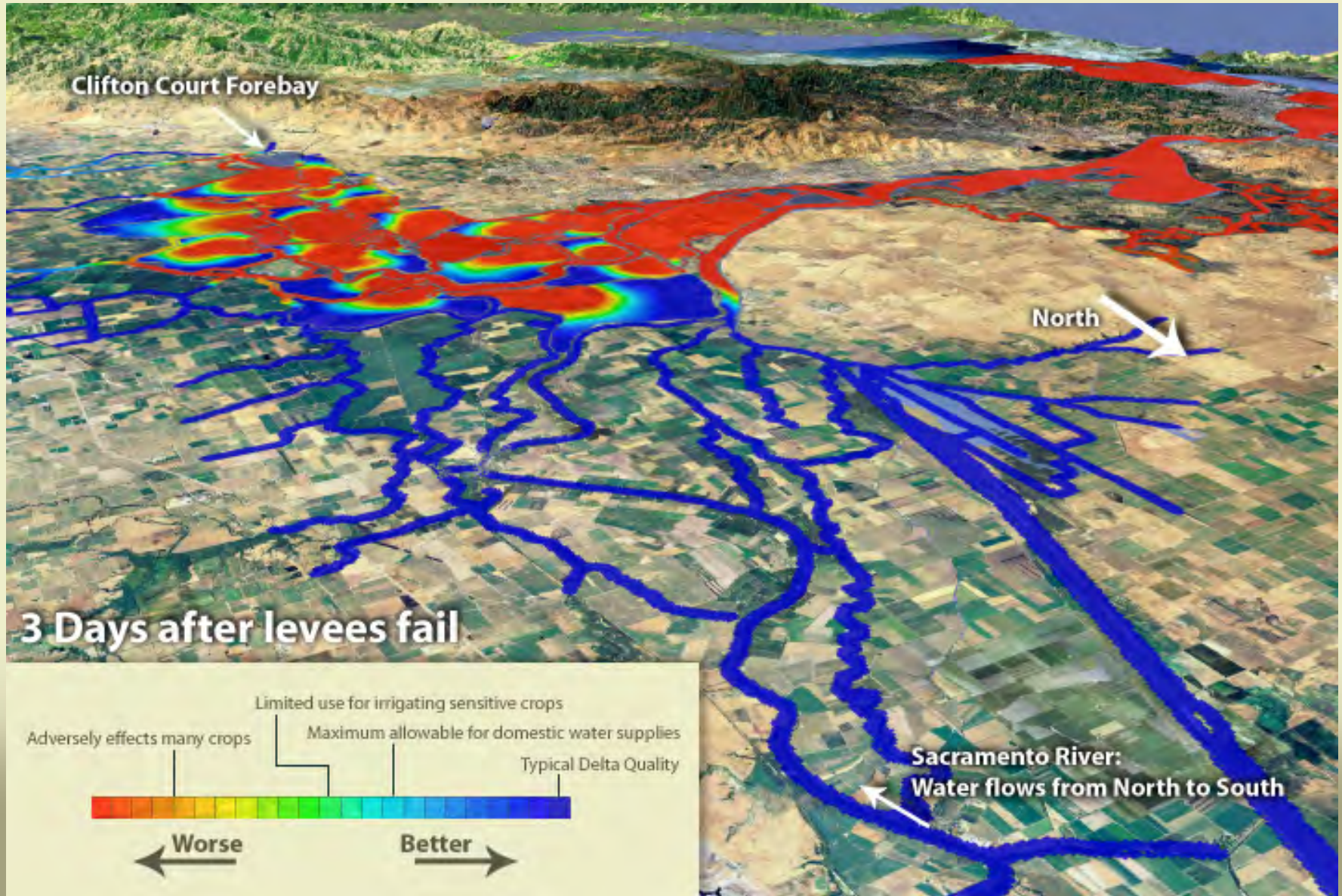
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Aerial view of the Delta while flying southwest over Sacramento



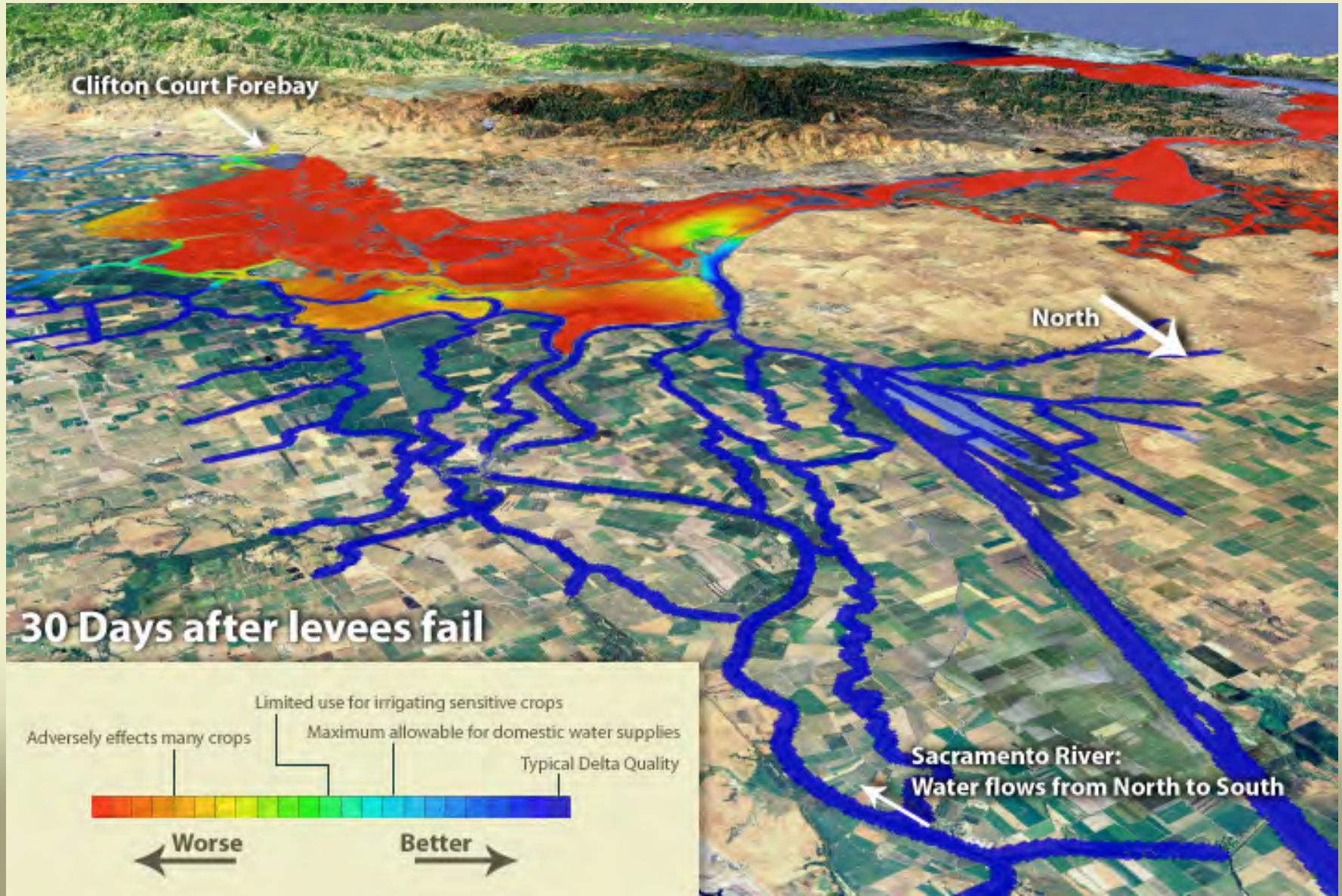
6.5 Earthquake—Resulting in 20 Islands Being Flooded

Aerial view of the Delta while flying southwest over Sacramento



6.5 Earthquake—Resulting in 20 Islands Being Flooded

Aerial view of the Delta while flying southwest over Sacramento



The Importance of the Delta



- ❖ Water flowing through the Delta supplies water to the Bay Area, the Central Valley and Southern California.
- ❖ Some regions are up to 100% dependent on the supplies that flow through the Delta.

Native Fish Decline

- ❖ The Delta is home to numerous native fish species, some of which are protected as threatened or endangered under the Endangered Species Act.



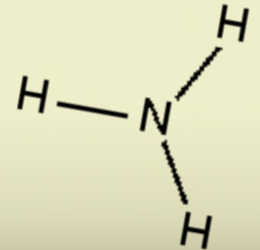
Salmon



Delta smelt

Factors Contributing to Native Fish Decline

- ❖ Effluent Discharge to the Sacramento River
- ❖ Predation
- ❖ Invasive Species
- ❖ Toxins Discharged to the Sacramento River
- ❖ Diversions Within the Delta



Native Fish Decline

- ❖ So far, the federal government has focused just on State and federal projects by restricting water exports from the Delta.



Harvey O. Banks Pumping Plant
State Water Project (State project)



Millerton Dam
Central Valley Project (federal project)

Instability in California's Water System:

Regulatory and Hydrologic Impacts for State Water Project Water

This is how much Kern County had to pay to the State of California for water that was not delivered to Kern County by the State Water Project.

| Year | Allocation | Cost For Undelivered Water | "Regulatory" Water Losses |
|------|------------|----------------------------|---------------------------|
| 2007 | 60% | \$16.9 M | EWA, b2* |
| 2008 | 35% | \$35.5 M | 509,000 af |
| 2009 | 40% | \$31.7 M | 251,000 af |
| 2010 | 50% | \$32.0 M | 780,000 af |
| 2011 | 80% | \$13.3 M | 150,000 af est. |

*EWA, b2 – There were no losses because the State and federal governments had implemented programs to avoid water supply costs.

- ❖ **Isolated Conveyance Facility**
- ❖ **Bay Delta Conservation Plan (BDCP)**
Pursues co-equal goals of improving California's water supplies and restoring the Sacramento-San Joaquin Delta.
- ❖ **Delta Habitat Conservation and Conveyance Program (DHCCP)**
Process for permitting and completing preliminary design for an isolated conveyance facility.

Building conveyance around the Delta will reduce risk

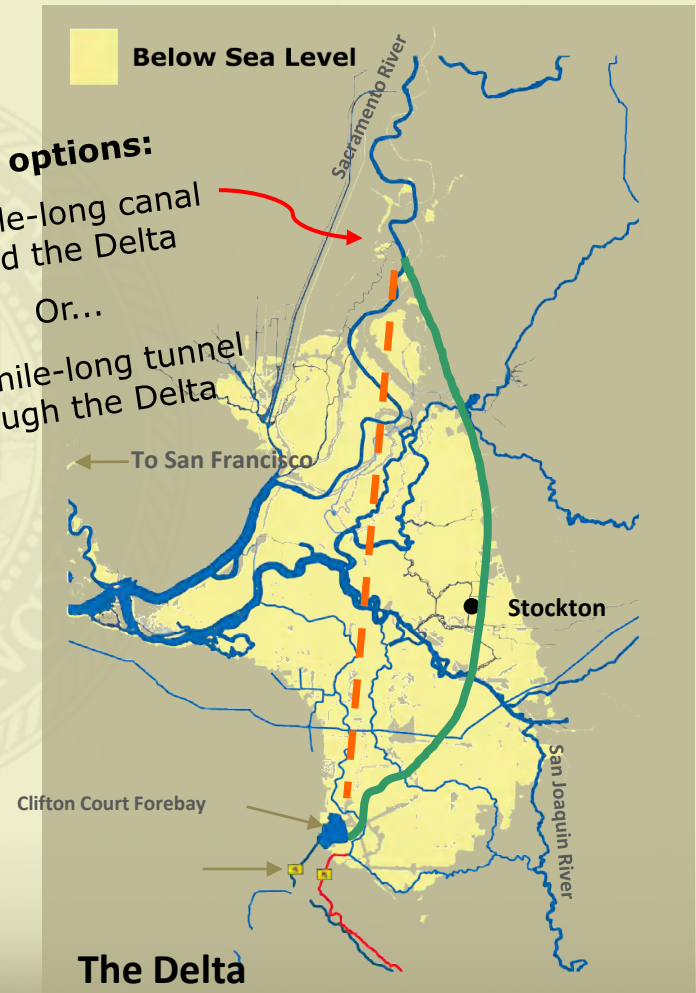
- ❖ Eliminate Levee Failure as a Threat to Water Supplies
- ❖ Improve Water Quality
- ❖ Better Protection for Delta Fish
- ❖ Flexibility to Address Potential Impacts of Climate Change on Water Supply
- ❖ Protect Local Investments

Two main options:

(1) 42-mile-long canal around the Delta

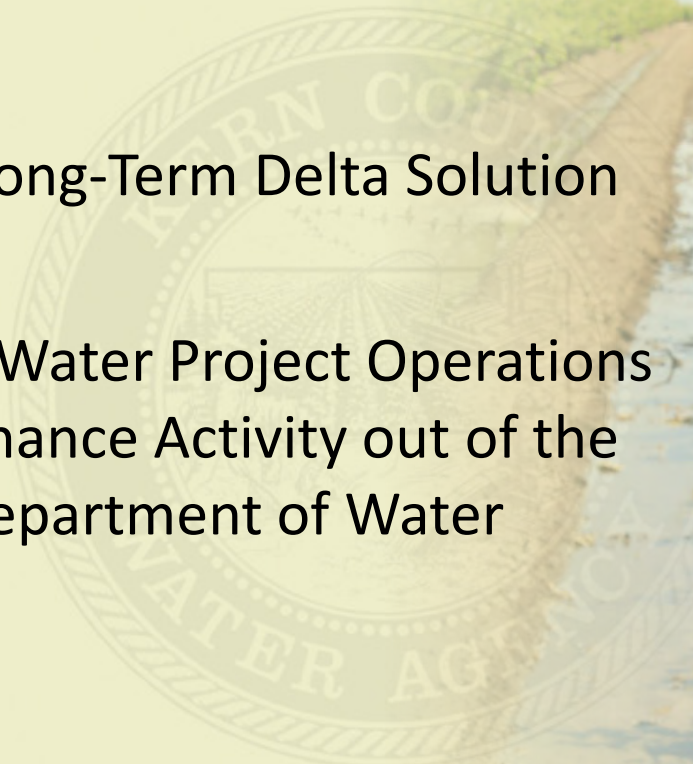
Or...

(2) 36-mile-long tunnel through the Delta



Survival Strategies

- ❖ Work on a Long-Term Delta Solution
- ❖ Move State Water Project Operations and Maintenance Activity out of the California Department of Water Resources



Conclusion

❖ Fix the Delta

❖ Conserve Water

❖ Improve State Water Project Reliability

Our way of life is at stake.



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