

Oil by Rail Safety in California Report

Interagency Rail Safety Working Group

June 10, 2014

CA Oil by Rail Risk and Response Map

High Hazard Areas,

Known Geologic Faults,

Sensitive Species/Habitat Occurrences,

HazMat Team Locations



Oil by Rail Safety in California

Preliminary Findings and Recommendations



A crude oil train travels across the Clear Creek Trestle in Plumas County, California and through the Feather River Canyon on June 5, 2014.

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Data Source: CTRM (2007-2014), CAGIS
 Repository: State Data Portal
 Author: J. Walker
 Date Created: 6/1/2014
 URL: [http://www.dfw.ca.gov/](#)

**Crude By Rail
Areas of Concern**



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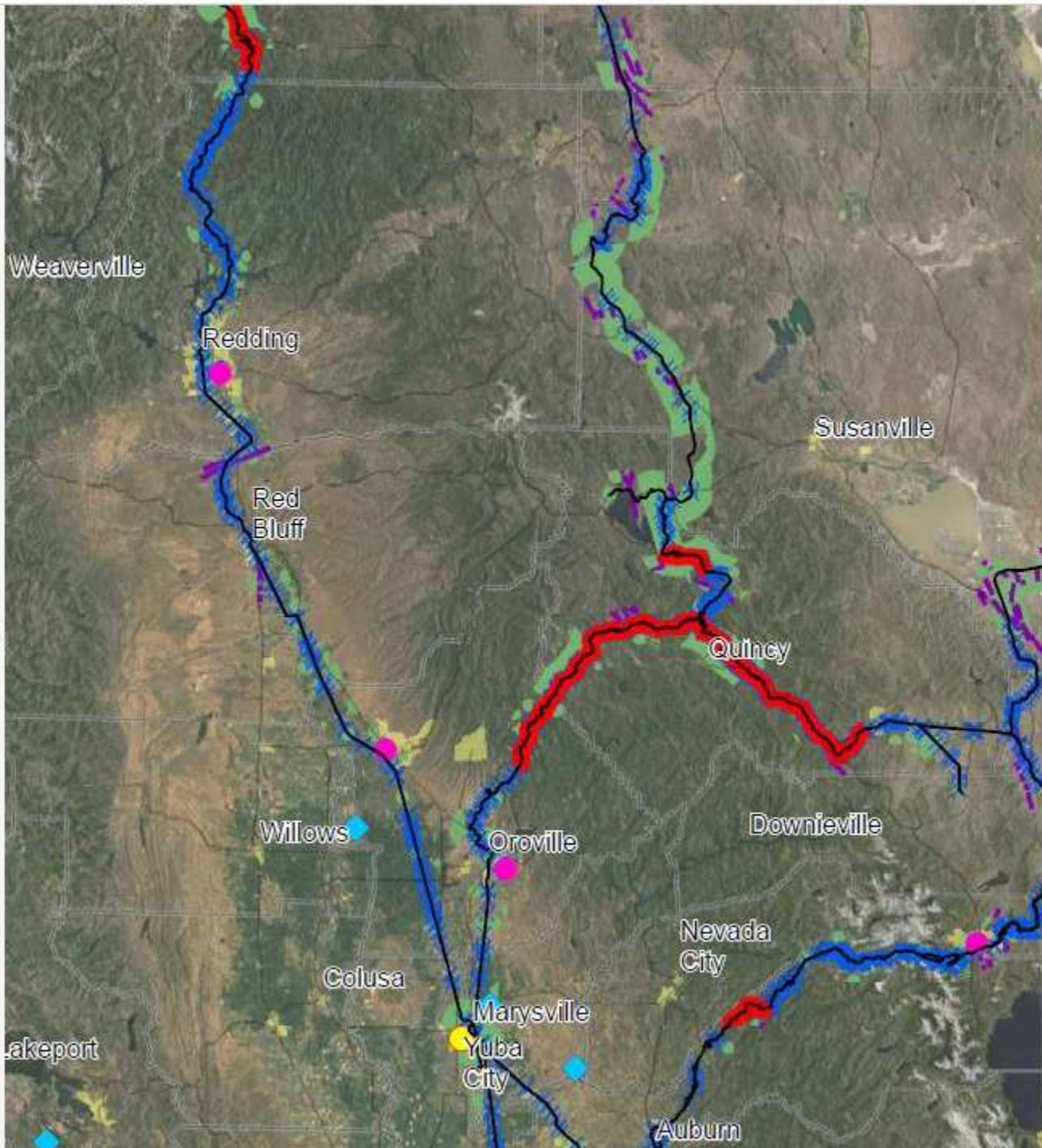
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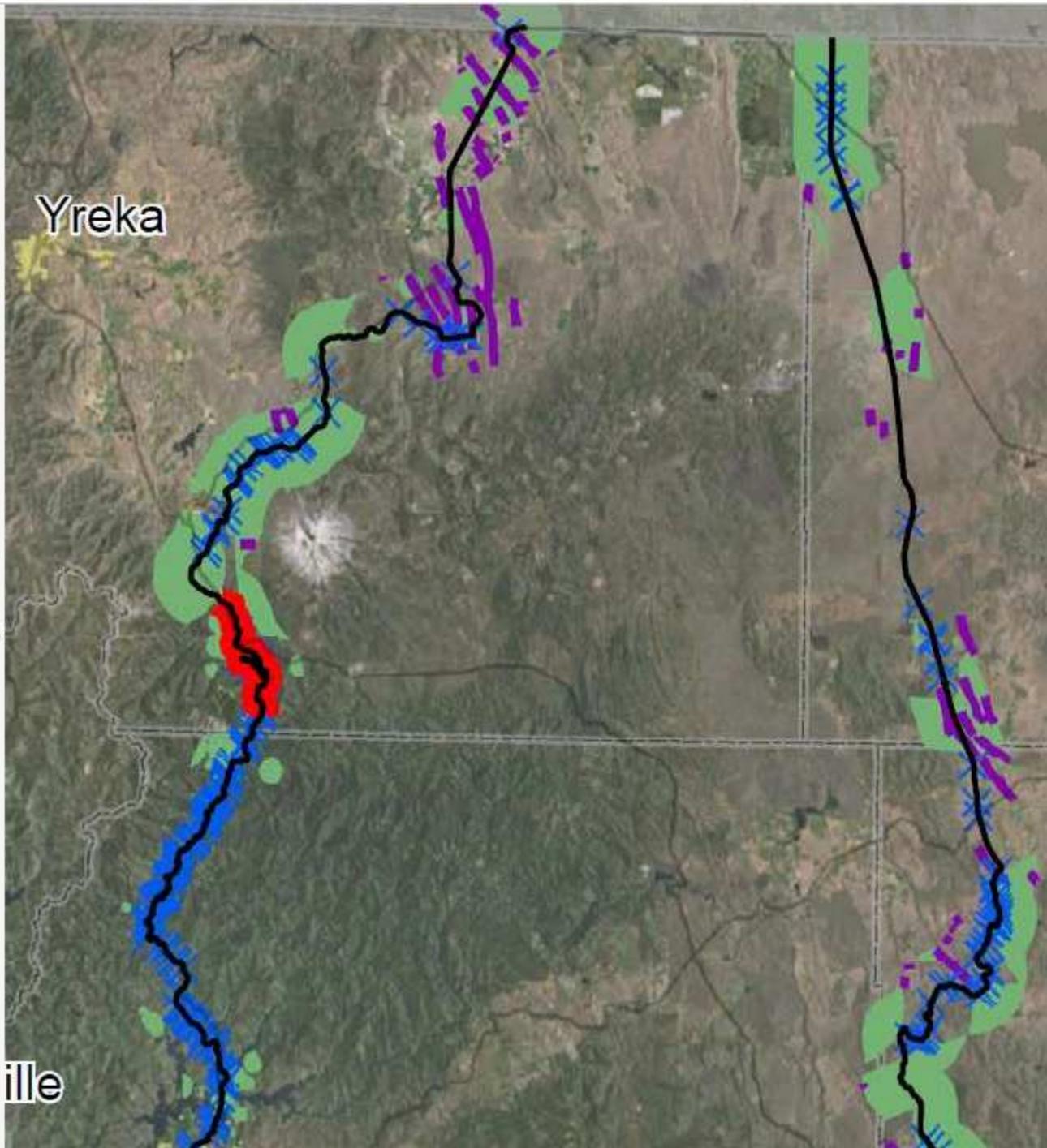
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All three of the northern routes into CA have stretches of high hazard rail.

- Oregon through Dunsmuir and Redding to Roseville. An herbicide spill from a derailment near Dunsmuir killed everything for 20 miles of the Sacramento River; it took a decade to recover.
- Feather River Canyon, either from the north or from the east. A grain train derailed Nov. 2014. Cars breached as they rolled down the embankment and spilled corn into the river.
- Donner Pass over the Sierra Nevada Mountains requires 5 engines.



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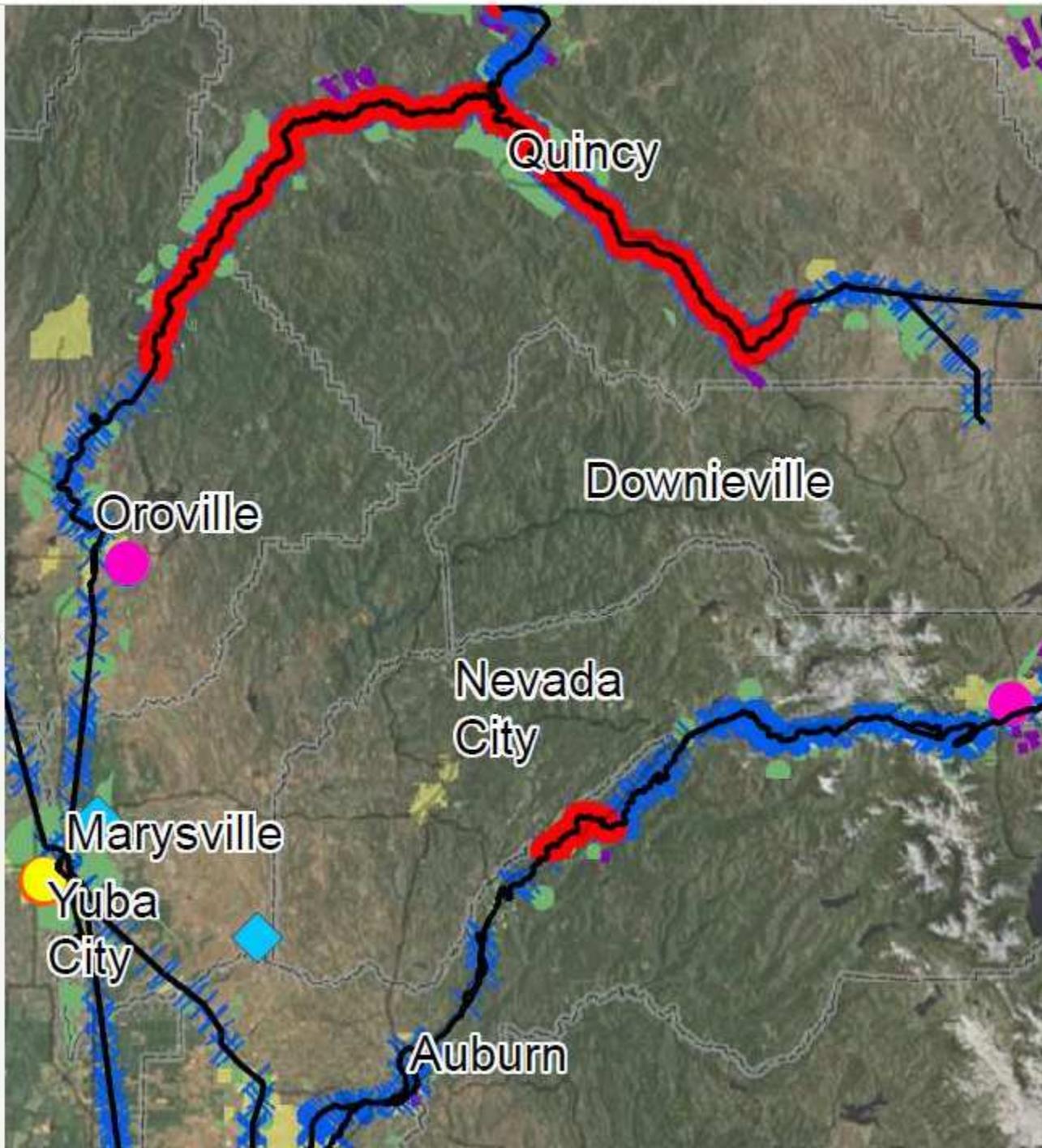
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Zoom in on the Dunsmuir Area

1. Bright red = high hazard rail area
2. Purple lines = known geologic faults
3. Green = Sensitive Species or Habitat Occurrences
4. Blue = water, rivers,
5. Blue x's = river/creek crossings



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Zoom in on Feather River Canyon and Donner Pass

- **Pink dot** = Type 1 & 2 teams with the most training;
- **yellow dot** = Type 3 teams to lend assistance
- **Blue squares** = non-certified teams

HazMat Team Location

- Type 1 & 2 (4/17/2014)
- Type 3 (4/17/2014)
- ◆ Non-Certified HazMat Team (3/10/2014)

Highway

County Line

High Hazard Areas

Stream Intersection

Known Geologic Fault

BNSF and UPRR Rail Lines

Population Center (Incorporated Area)

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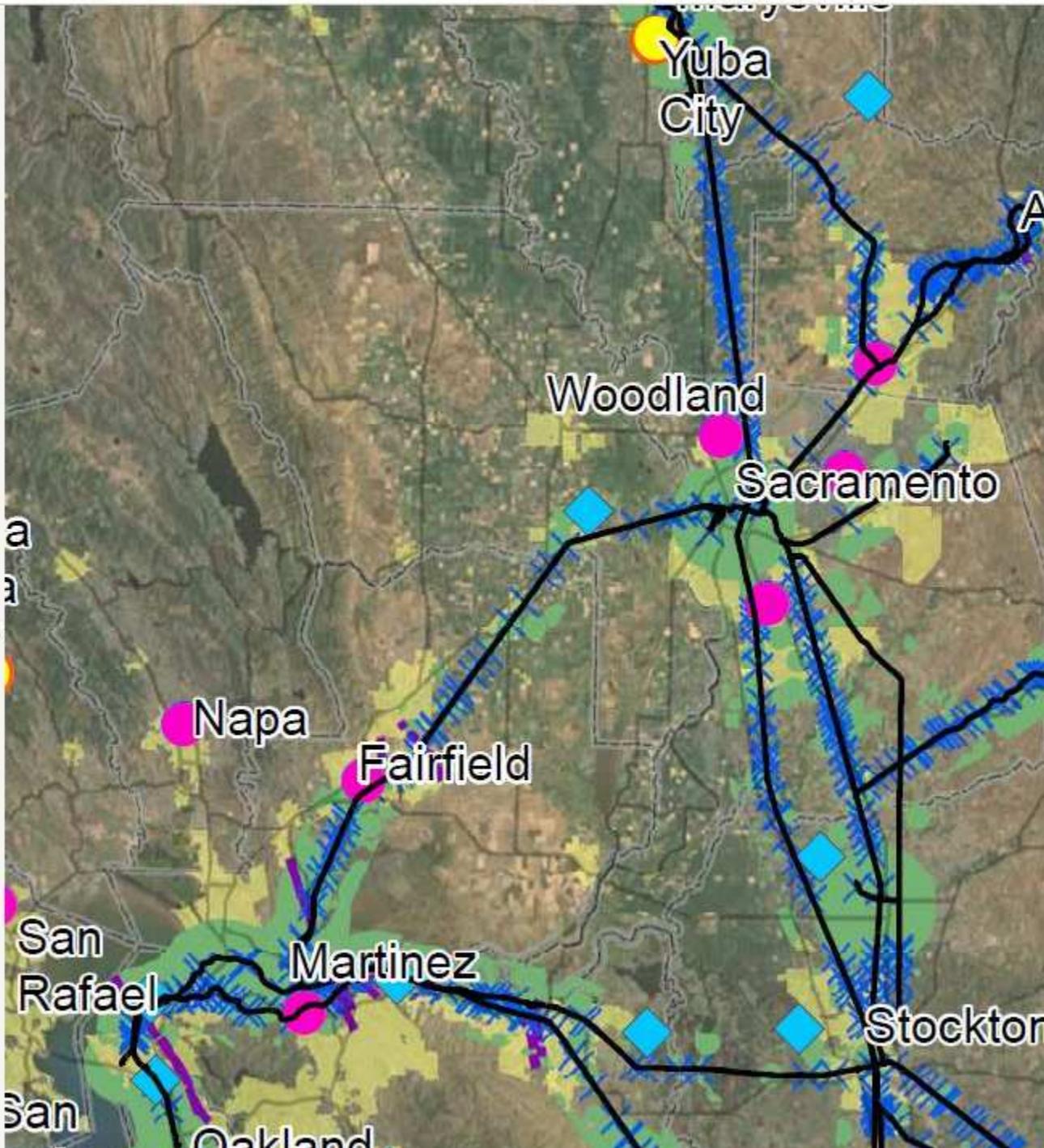
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Regional Concerns for oil trains from Roseville to Benicia

- Trains run right through neighborhoods & downtowns, even threatening the Capitol.
- Tracks run beside and cross over critical water supplies.
- Trains run through sensitive species and habitat occurrence areas.
- Known geologic faults run close to Benicia and the tracks.
- Recent reports state that sea level is rising faster than predicted. The project is at sea level. What happens if the tracks flood?