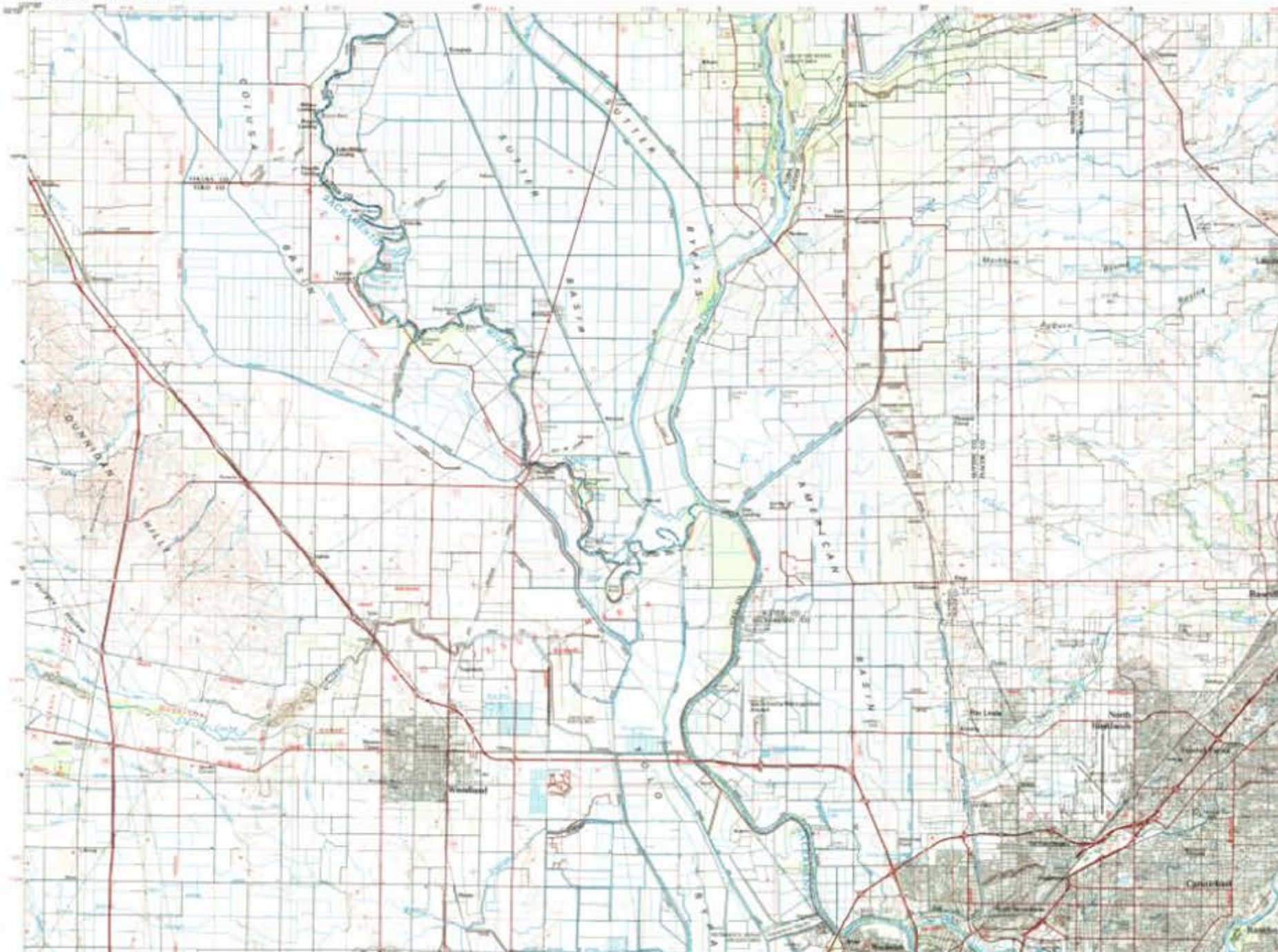
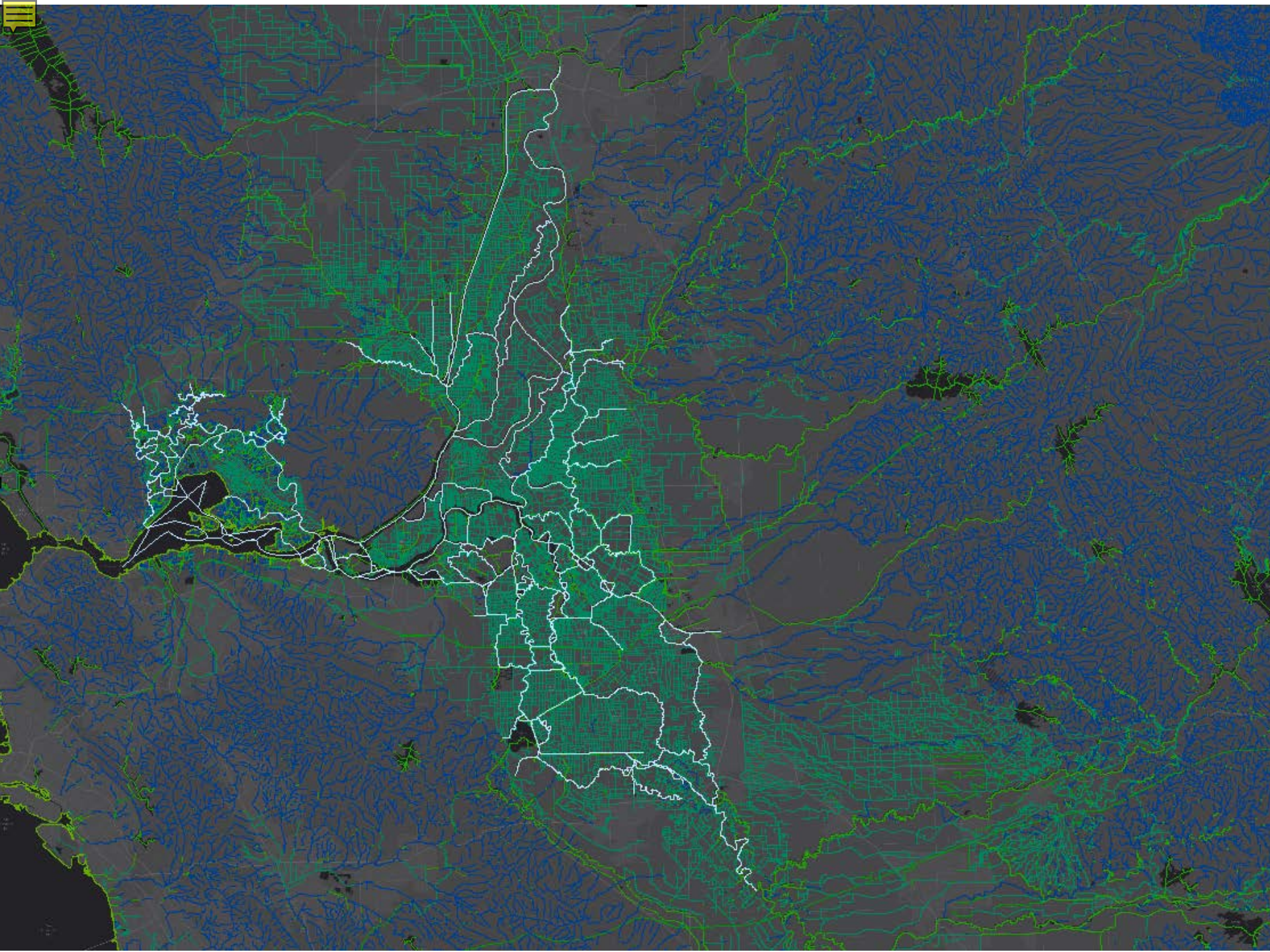
SACRAMENTO, CALIFORNIA

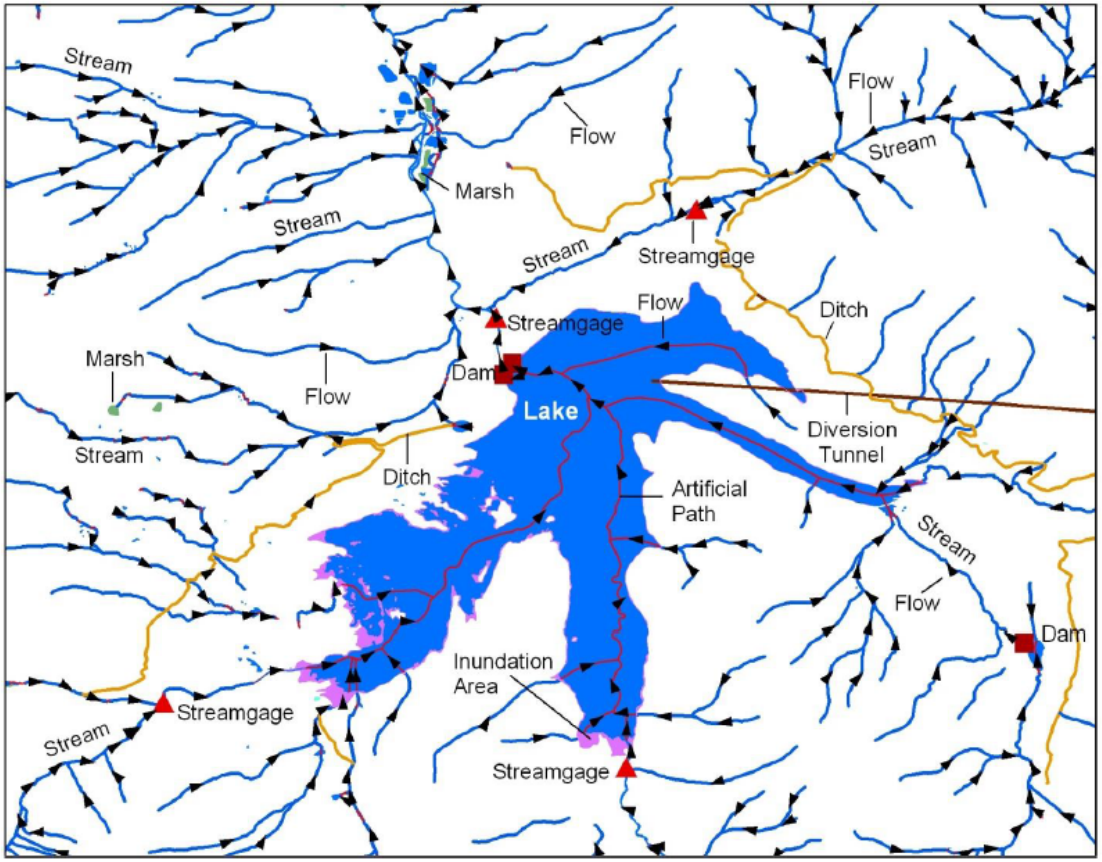




# National

# What is the National Hydrography Dataset?

Surface water features found on topographic maps

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The National Map Your Source for Topographic Information

Thanks to Al Rea of USGS for this image!

# Drainage network of rivers and streams

8.5-million mile network

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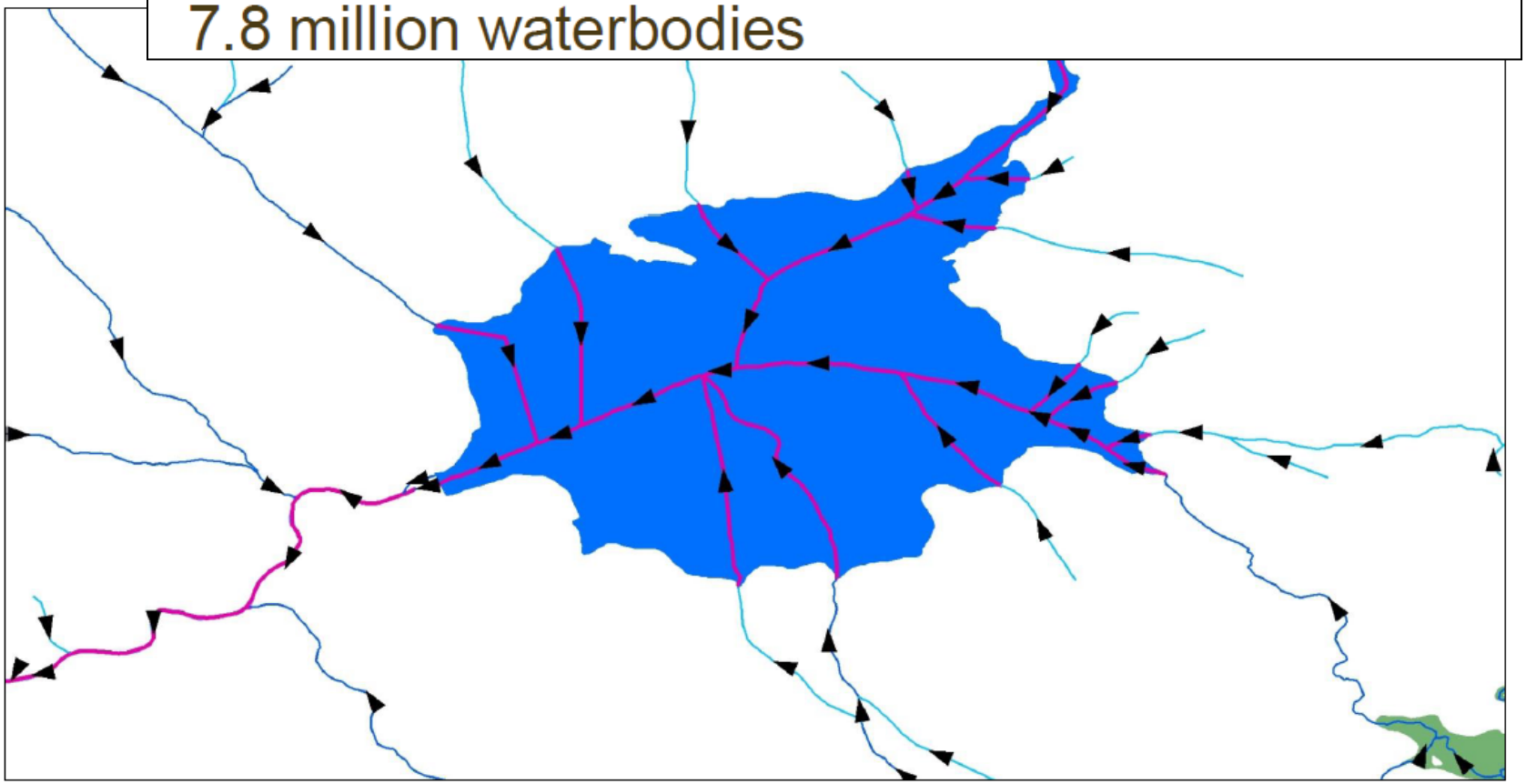
The National Map Your Source for Topographic Information

Thanks again to Al Rea of USGS for this image!

# Completing the network through waterbodies with artificial paths

7.8 million waterbodies



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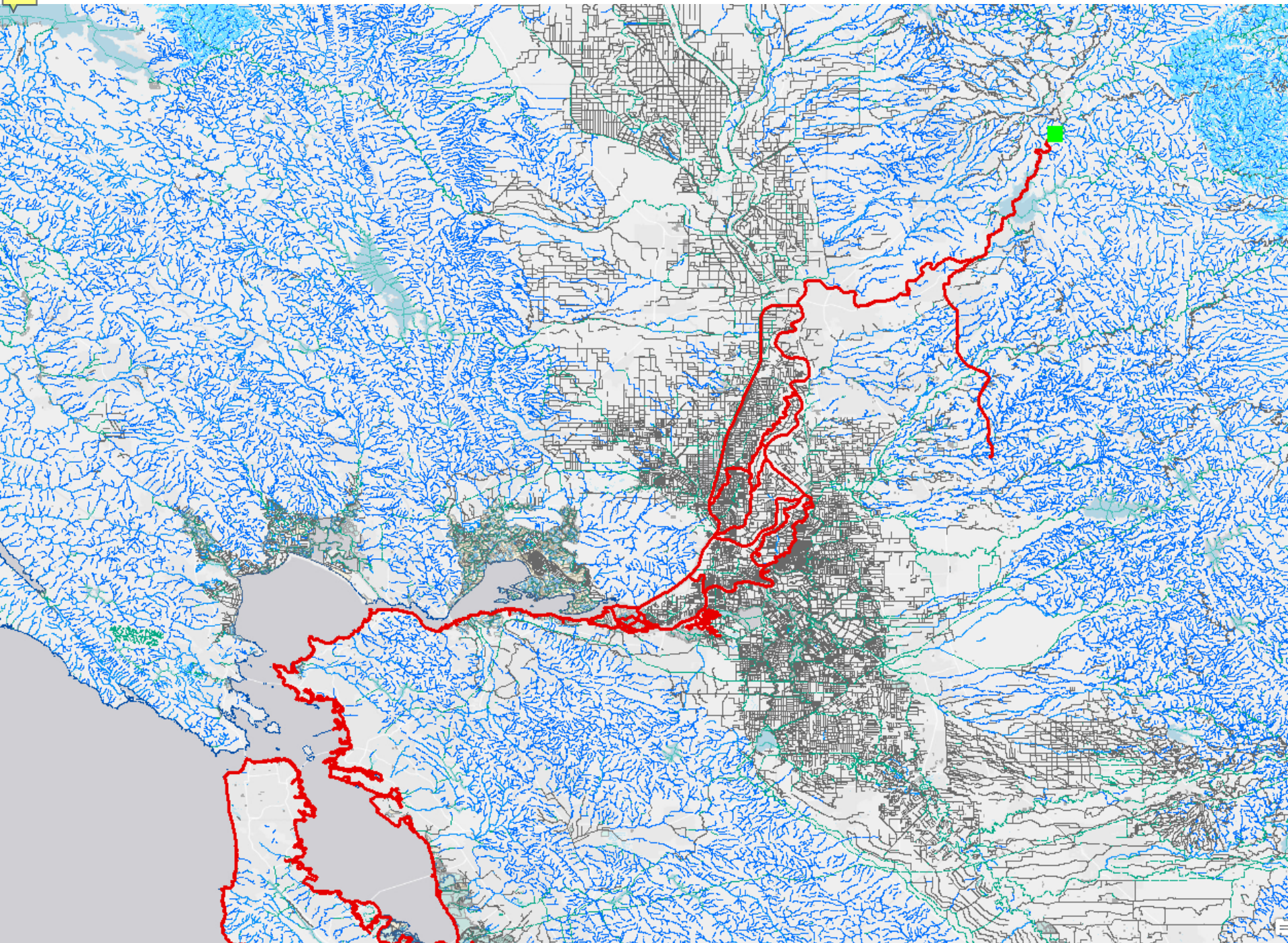
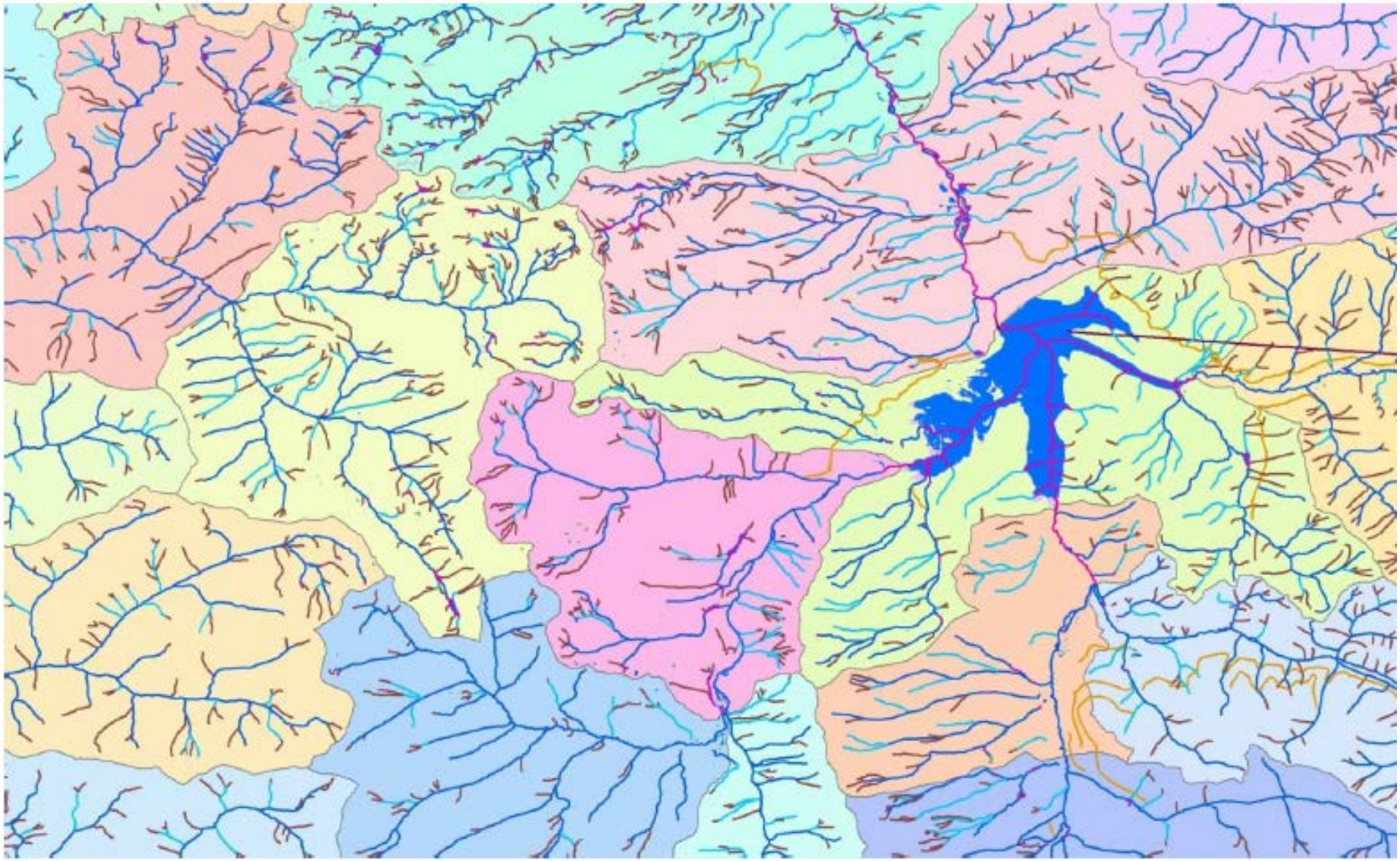
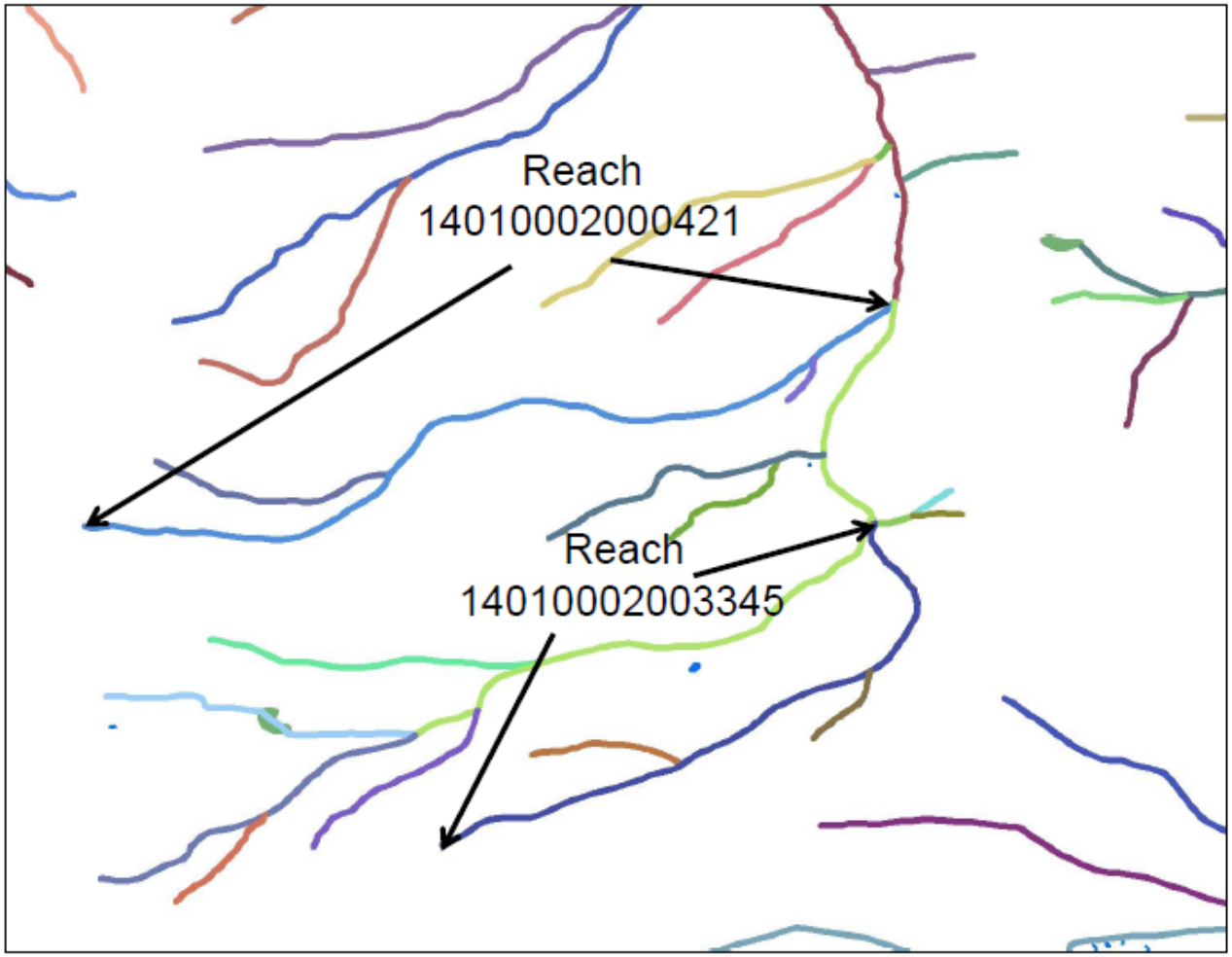
*Don't know what I would've done without Al Rea's slides!*



# Organized by and Integrated with Hydrologic Units



# Linear Referencing – Stream "Reaches"

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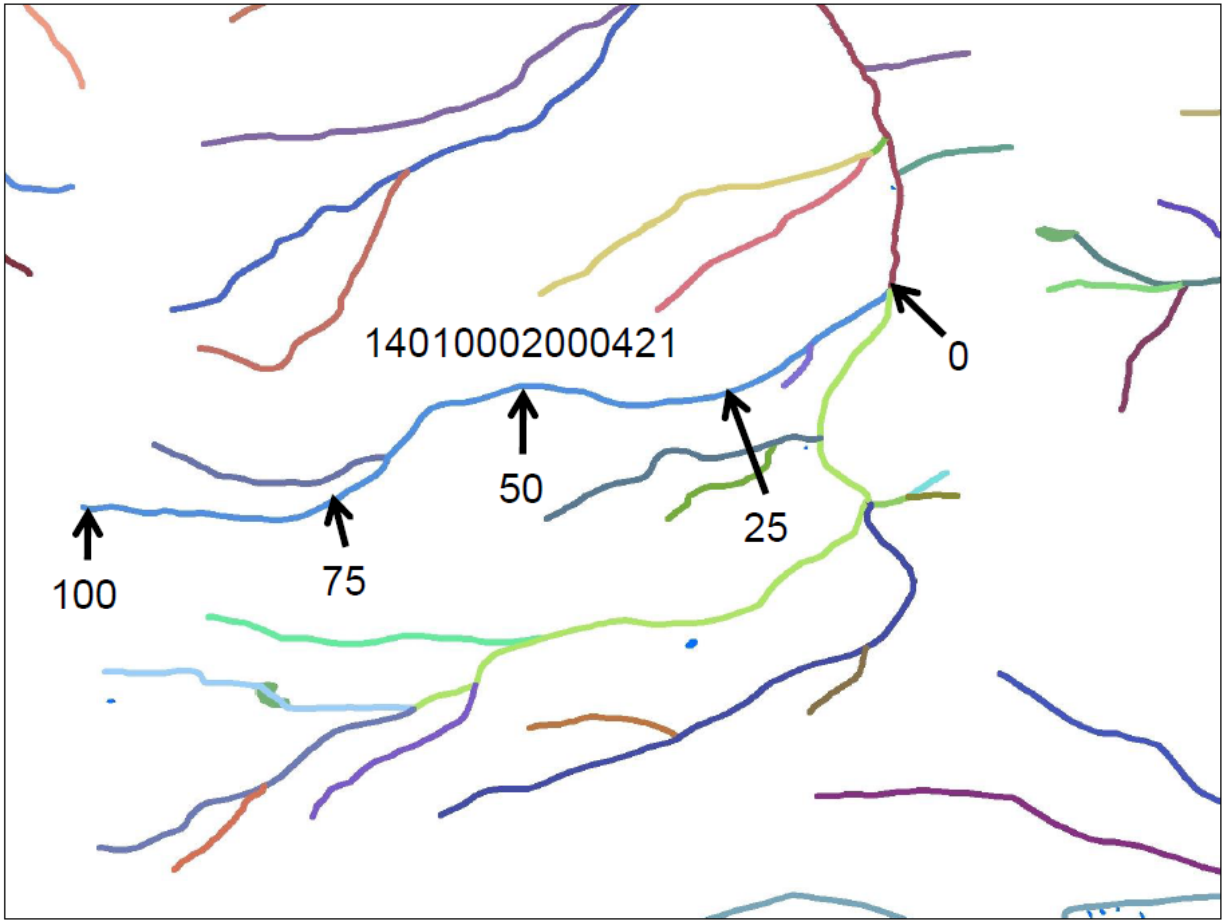
# Linear Referencing – Stream addresses

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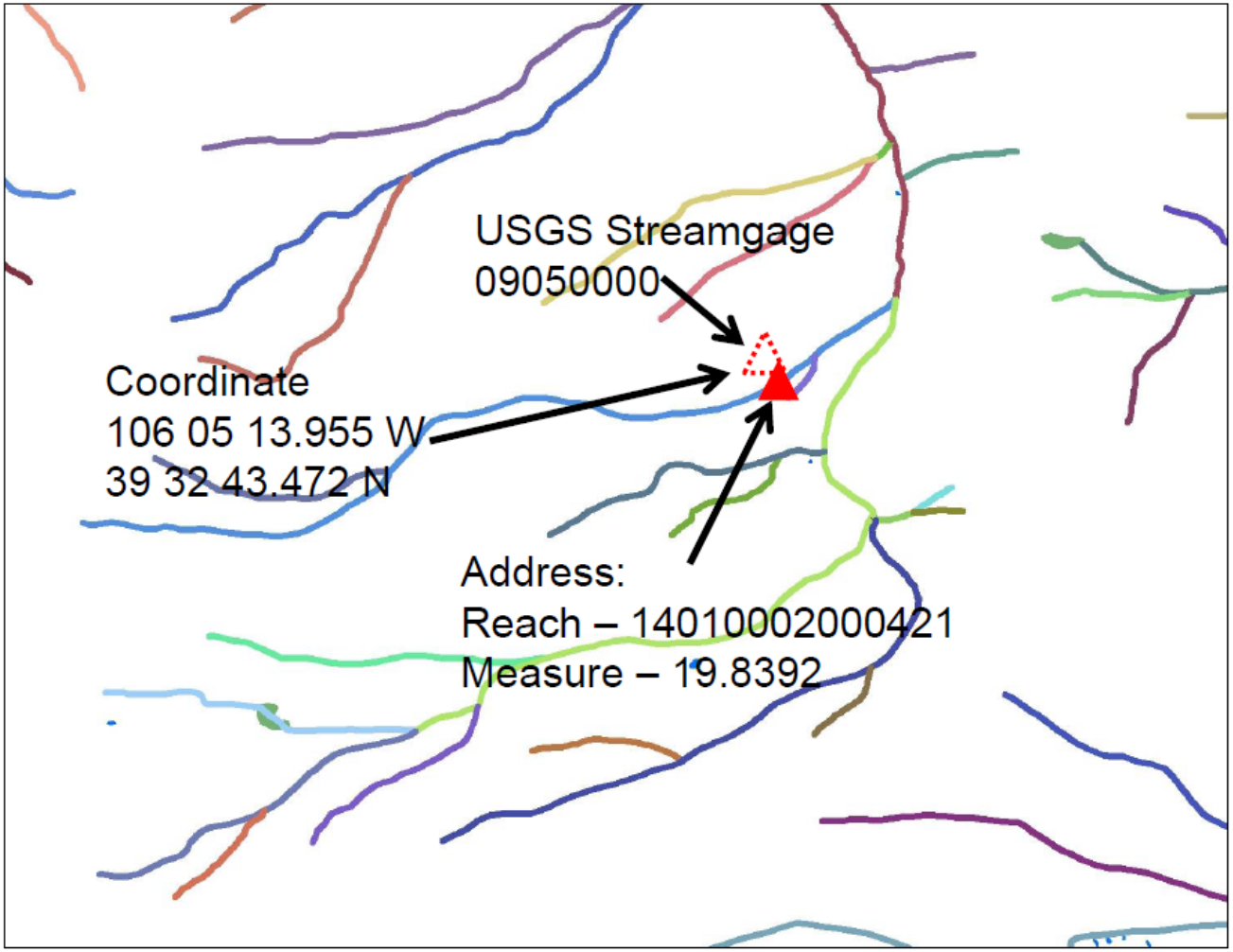
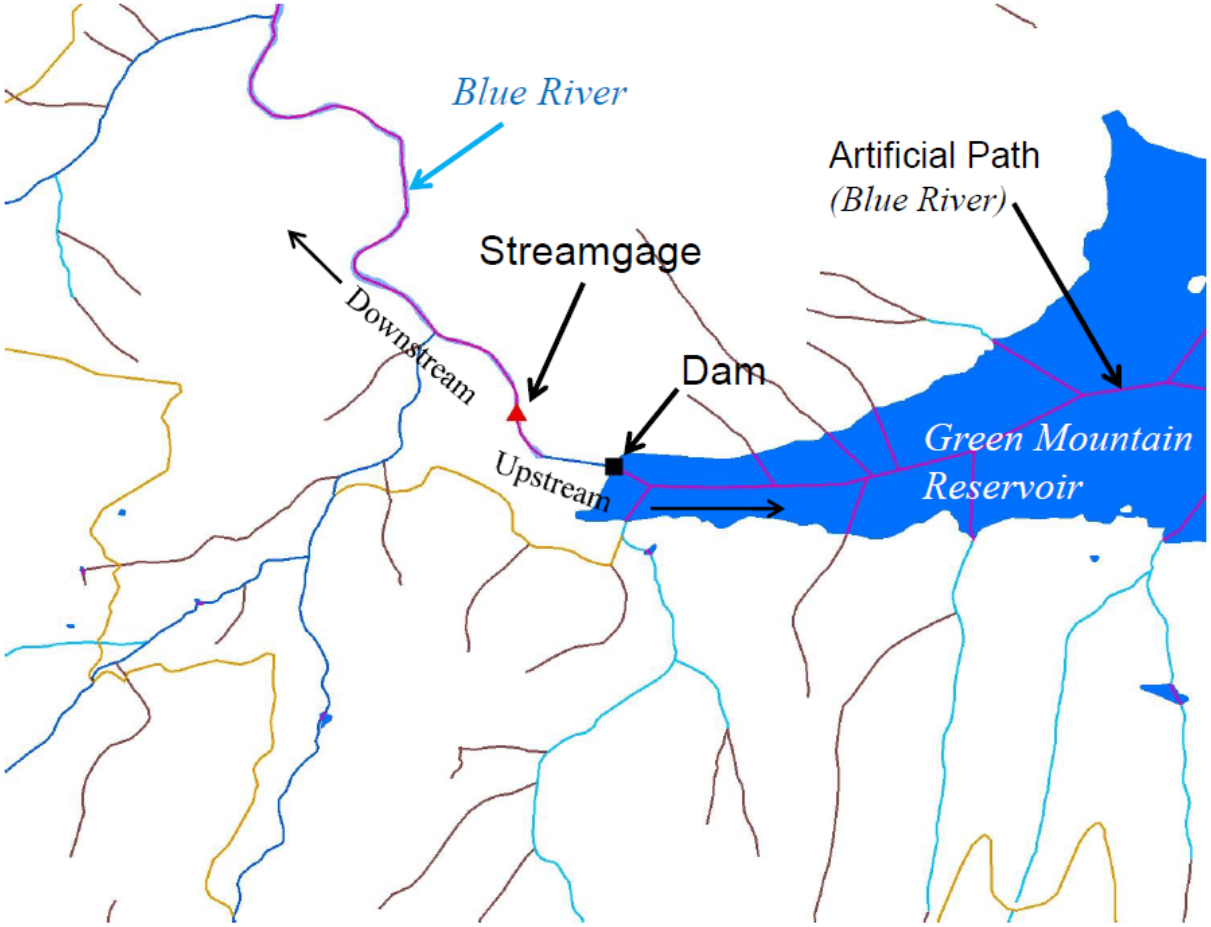
# Linear Referencing – Data "Events"



# Connecting the streamgage to the network

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NHDPlus

**Built by US EPA Office of Water**

**Integrates:**

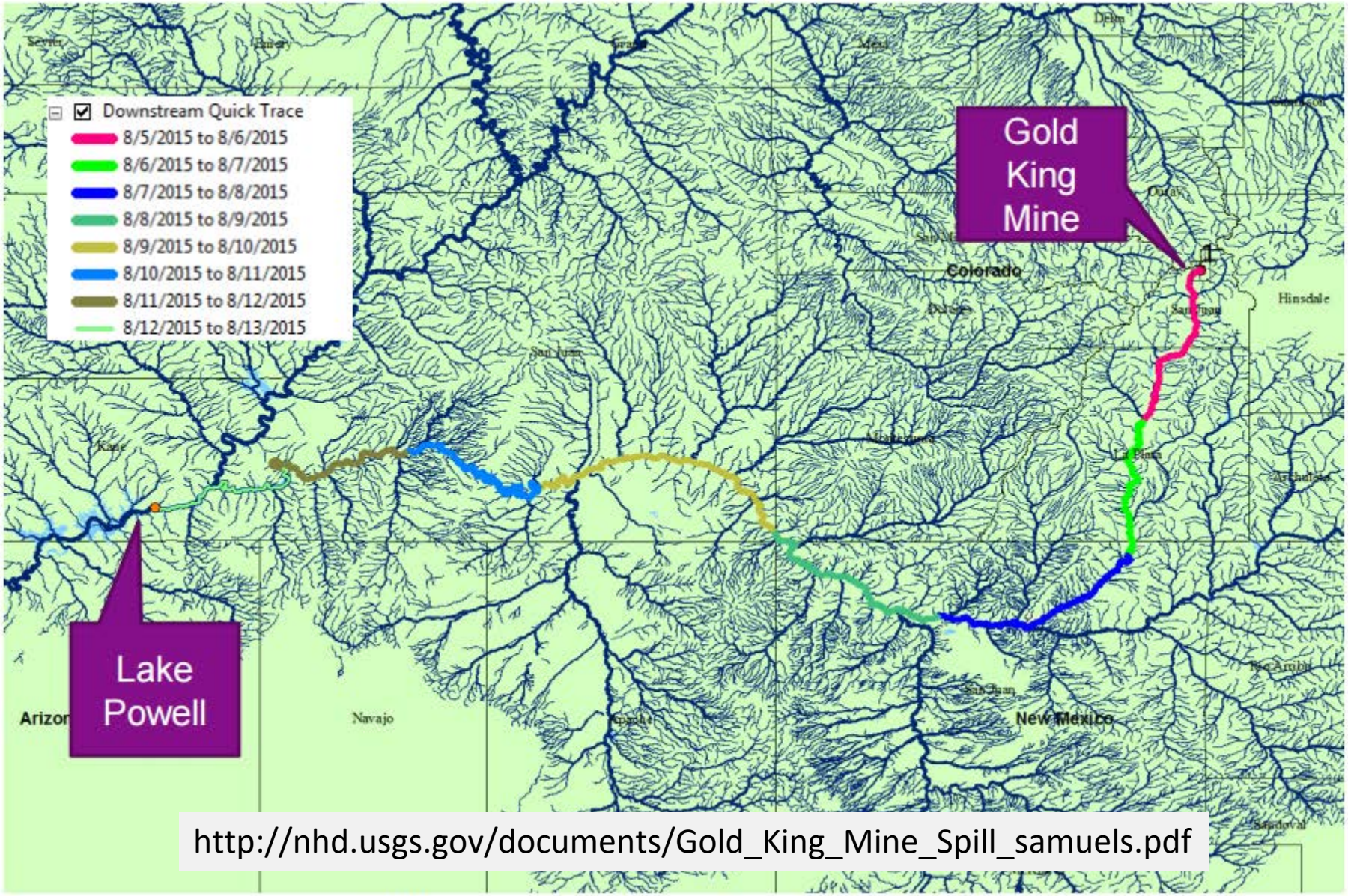
**National Hydrography Dataset (NHD)**
**Watershed Boundary Dataset (WBD)**
**National Elevation Dataset (NED)**

**for Delineation of Catchments (local drainage areas)**

**https://www.epa.gov/waterdata/nhdplus-national-hydrography-dataset-plus**

Gold King Mine
Cement Creek, Colorado
8/7/2015
http://www.denverpost.com/2016/08/05/gold-king-mine-durango-navajo-nation/

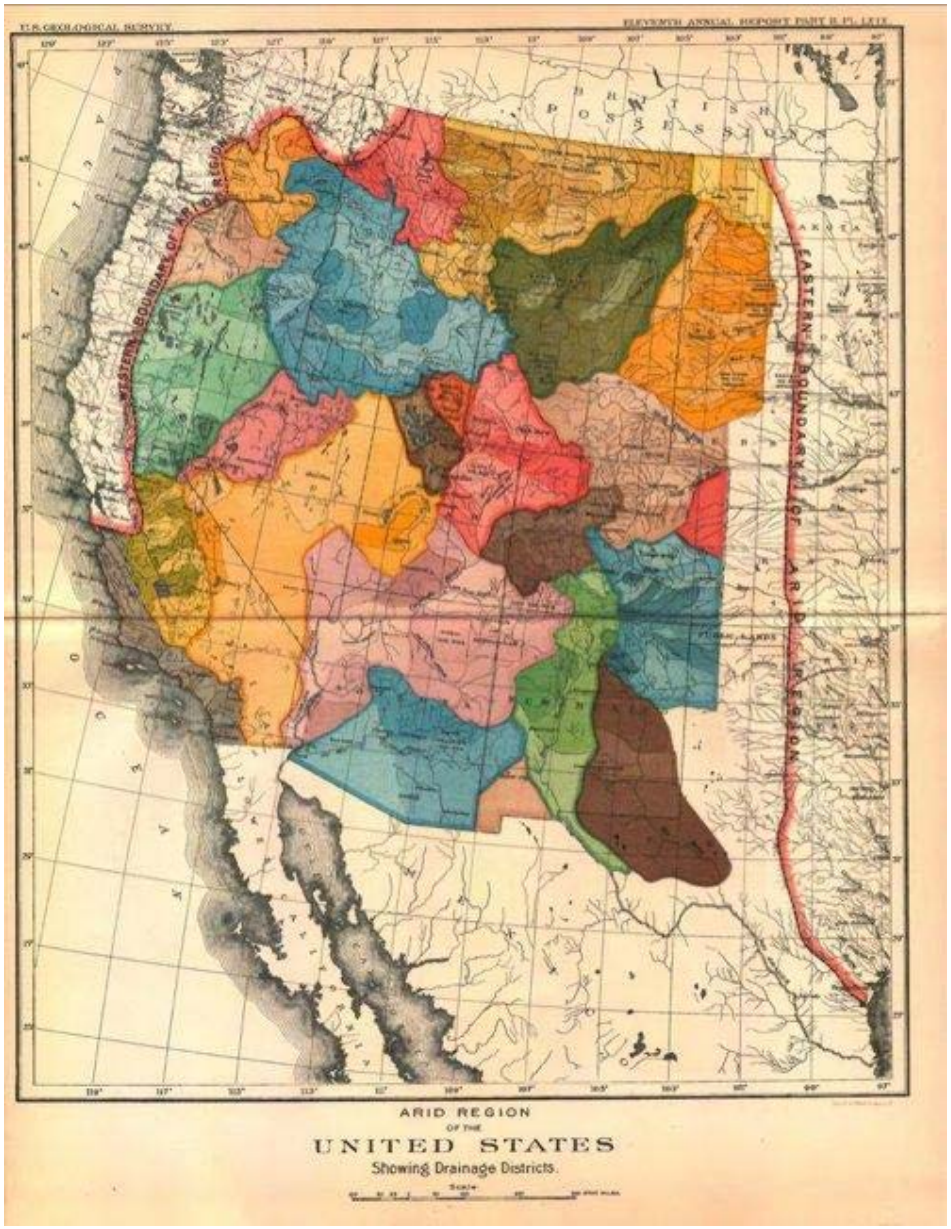
# ICWater QuickTrace – 8 day travel time



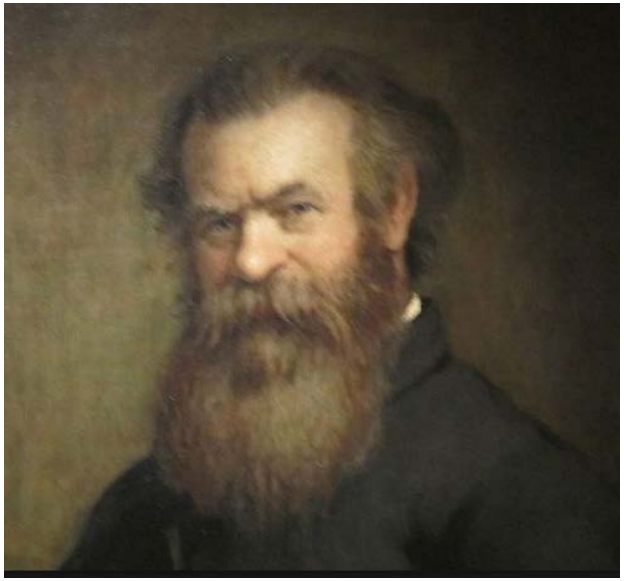

http://nhd.usgs.gov/documents/Gold_King_Mine_Spill_samuels.pdf

ICWater Preliminary Results

Colfax
GILLIS HILL
Brushy Creek
Forest Hill
Meadow Vista
Applegate
Todd Creek
FOREST HILL DIVIDE
Auburn State Recreation Area
Garden Valley
Pilot




# The Vision of John Wesley Powell 1834 - 1902



https://www.good.is/articles/john-wesley-powell-s-watershed-states-map

# Data Stewards Rock!

Jane.Schafer-Kramer@water.ca.gov

NHD Stewardship Program

Technical Lead for California