

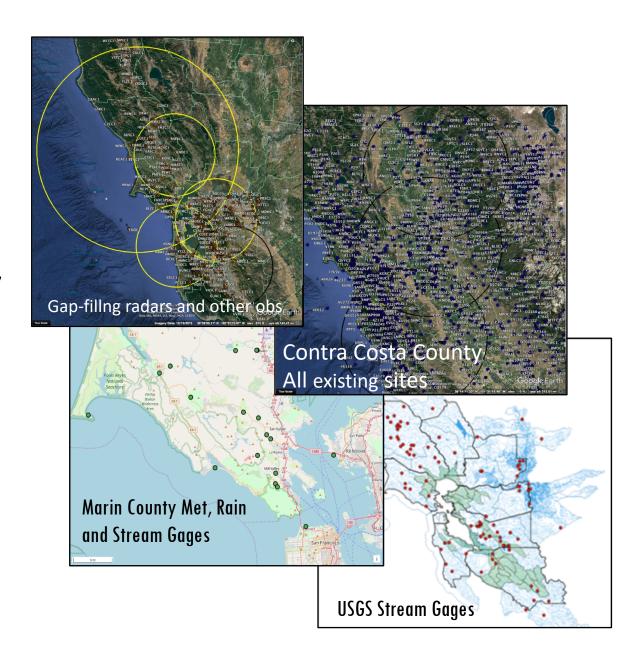
AQPI

Lynn E. Johnson

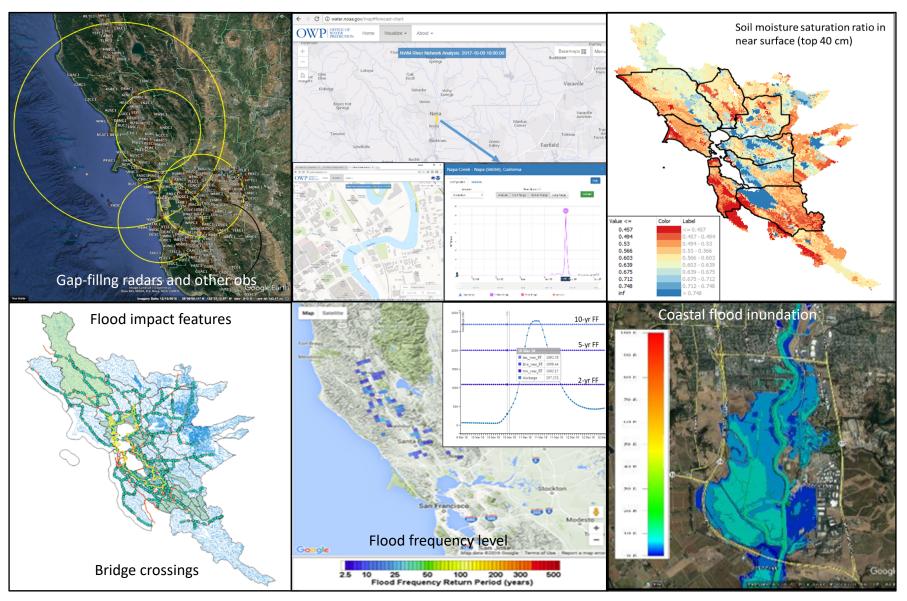
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AQPI Hydromet Observations

- The NWS MADIS system (https://madis.noaa.gov/) is to be the central database for the AQPI system.
- Many observation sites are already ingested to MADIS (CC County shown).
- Coordination efforts are on-going to add other local observations (e.g. Marin County shown)
- Intent is to provide one place to access all data

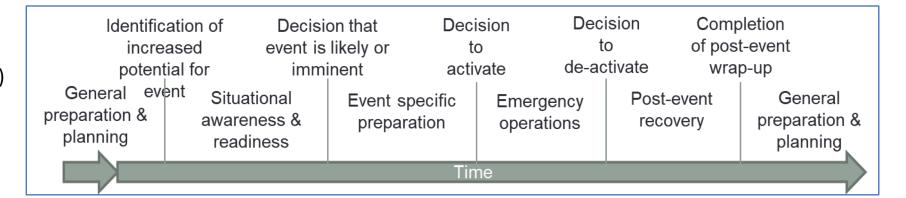


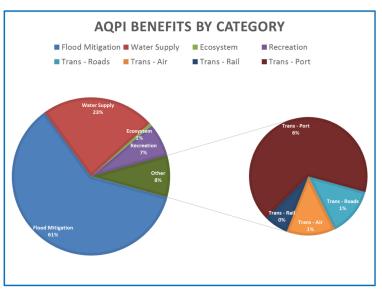
AQPI Hydro Products



AQPI Benefits

- Overall
 - Total Wx Benefits (\$240M/yr; \$34/person)
 - Incremental AQPI Benefits (\$62M/yr; \$9/person)
- By Category
 - Flood Mitigation (61%)
 - Water Supply (23%)
 - Ecosystem Services (8%)
 - Transportation (8% (Ports 6%))
- Benefit/Cost Estimates
 - Base Case 5:1
 - Best Case 13:1
 - Worst Case 2:1





- Efficiency of warning dissemination and respondent reactions.
 - Efficiency = Frw x Fw x Fc
 - Frw = fraction of the public that receives a warning
 - Fw = fraction of the public that is willing to respond
 - Fc = fraction of the public that knows how to respond

Coupling the National Water Model With A Reservoir System Simulation Model Russian River Basin Case Study

