

Los Angeles Water Quality Network

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Nodes and Links

Bipartite Network:

Nodes:

1. Water Quality Measurement Sites in LA County
2. Water Quality Parameters (i.e. Pollutants)

Link the parameters by locations that exceed specific water quality standards

National Water Information System: Map View

Help Info

Sites Map Layers

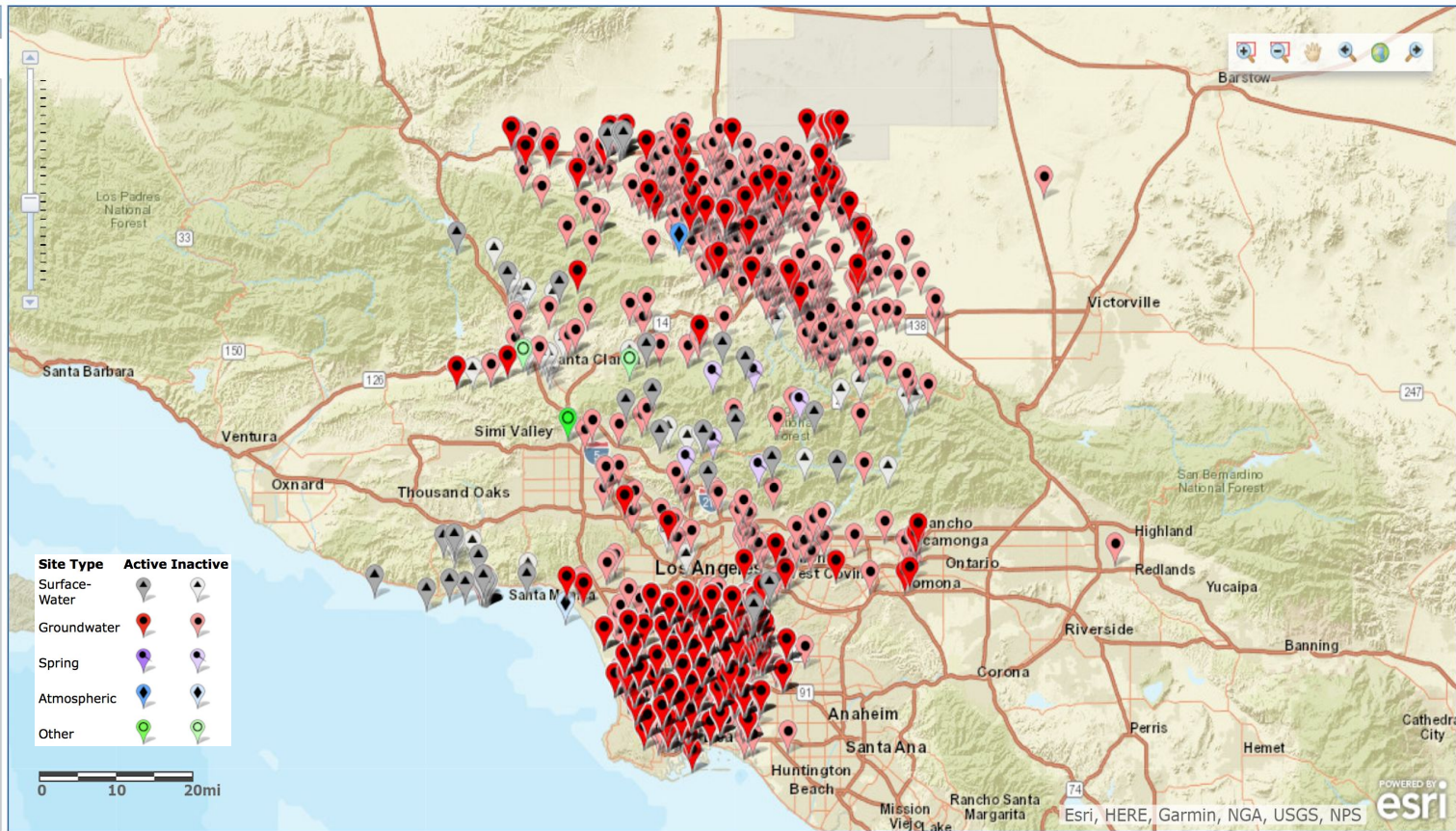
Search Results

Export Sites

Site Number	Site Name
10264120	LITTLE ROCK RES NR LITTLEROCK CA
10278300	LOS ANGELES AQUED AT OUTLET AT SAN FERNANDO CA
11080000	EF SAN GABRIEL R A CAMP BONITA CA
11080880	WF SAN GABRIEL R BL COGSWELL DAM CA
11082800	SAN GABRIEL R A AZUSA PH CA
11087020	SAN GABRIEL R AB WHITTIER NARROWS DAM CA
11087040	SAN GABRIEL R A WHITTIER NARROWS CA
11095500	BIG TUJUNGA C NR SUNLAND CA
11097490	LOS ANGELES R A FELIZ BLVD AT LOS ANGELES CA
11097500	LOS ANGELES R A LOS ANGELES CA
11098000	ARROYO SECO NR PASADENA CA
11102000	MISSION C NR MONTEBELLO CA
11102250	MISSION C BL WHITTIER NARROWS DAM CA
11103000	LOS ANGELES R A LONG BEACH CA
11103010	LOS ANGELES R AT WILLOW ST

Search Parameters

Explanation of Symbols





Expected Size of the Network

Nodes:

1. 1,212 water quality measurement sites
2. ~900 water quality parameters

(need to sort through what actually matters)

Links: Whether or not a quality measurement passes the threshold.



Questions We Want to Ask



How does water quality depend on location?

What are the most important parameters to look at water quality? (hubs)

How do water quality parameters link together in their projected network? Does this follow basic chemistry?

How often is a parameter exceeding the safety threshold?



Why do we Care?



Water is a vital life resource.

Water quality disparity among different populations spatially could be an issue.

Finding the source and spread of water pollutants is important for mitigation.