Waterbird monitoring at the Newark ponds



Cheryl M. Strong

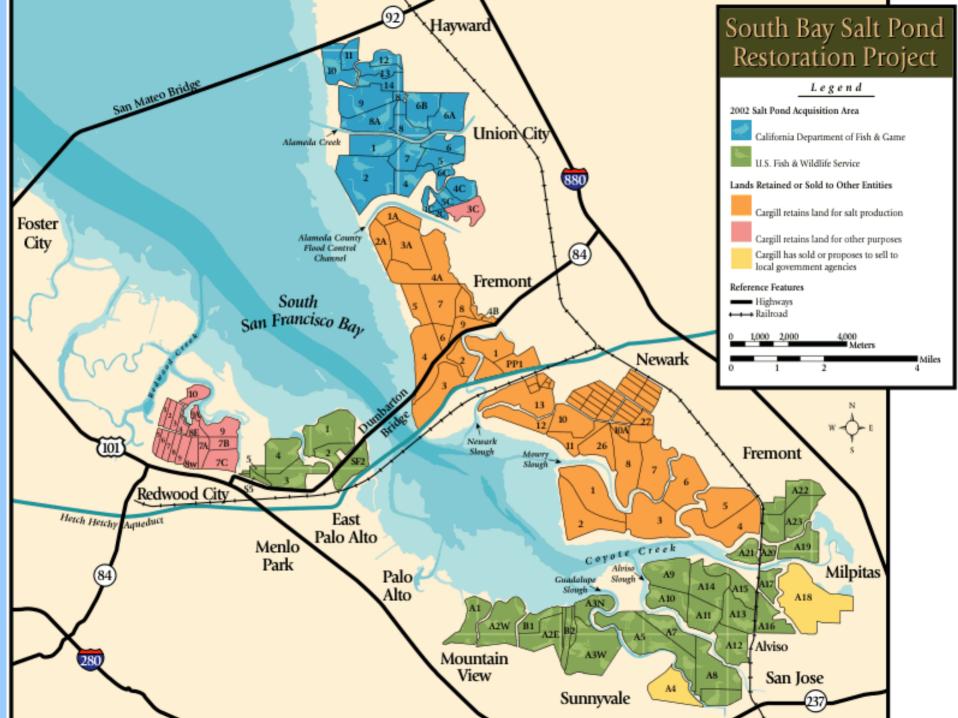


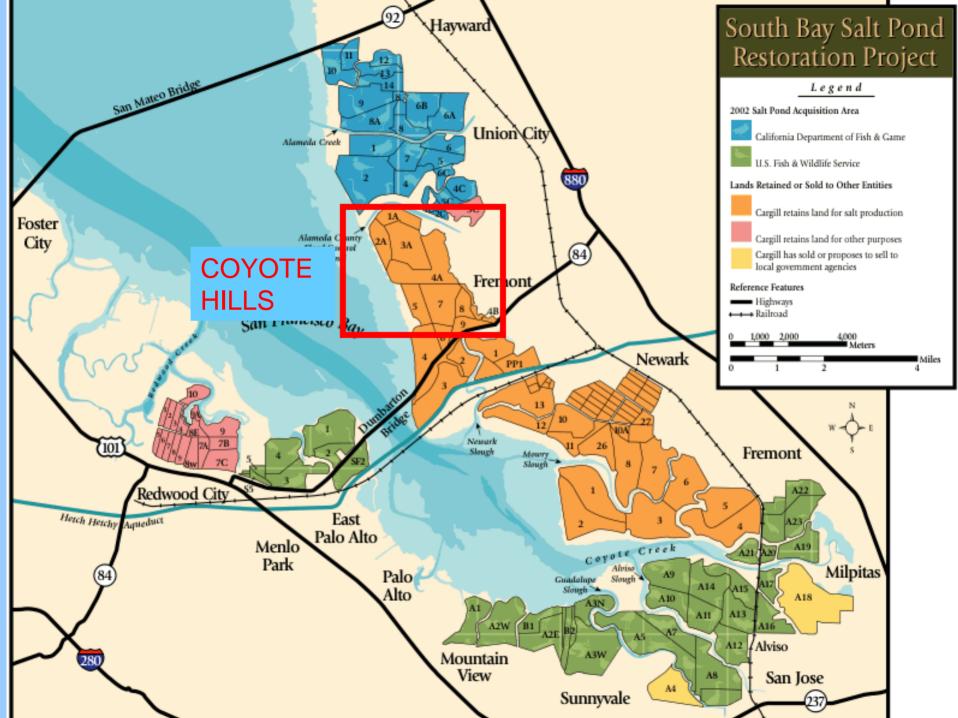


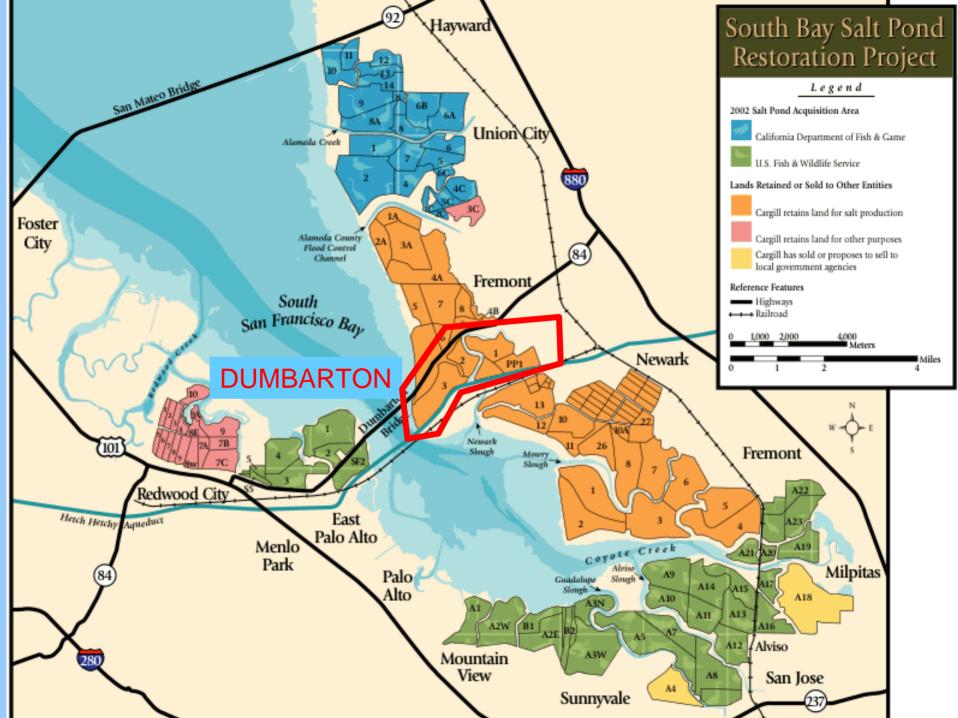
Acknowledgements

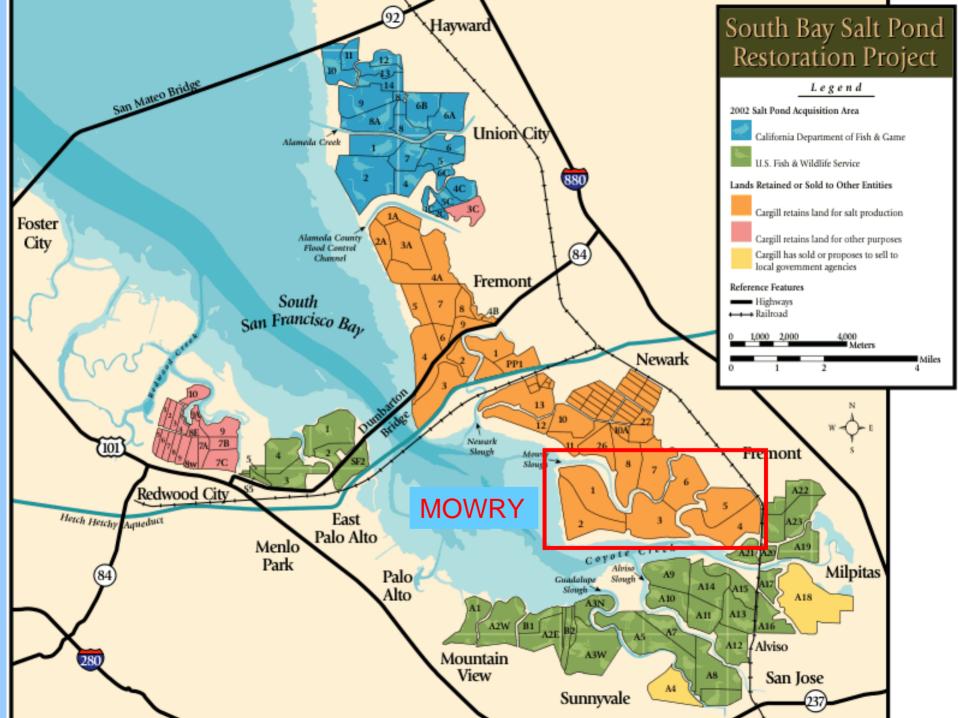
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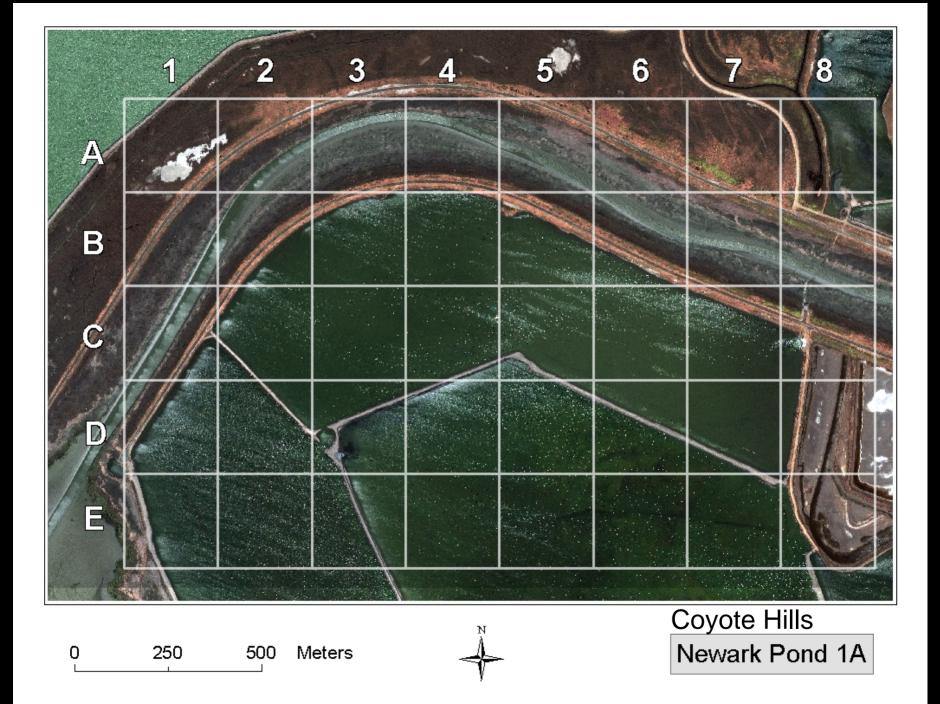














Guilds: dabblers



Guilds: divers







Guilds: gulls



Guilds: medium shorebirds





Guilds: small shorebirds





Dunlin (Calidris alpina hudsonia), Floyd Bennett Field, New York 26 Jan 2002, Photo: Angus Wilson





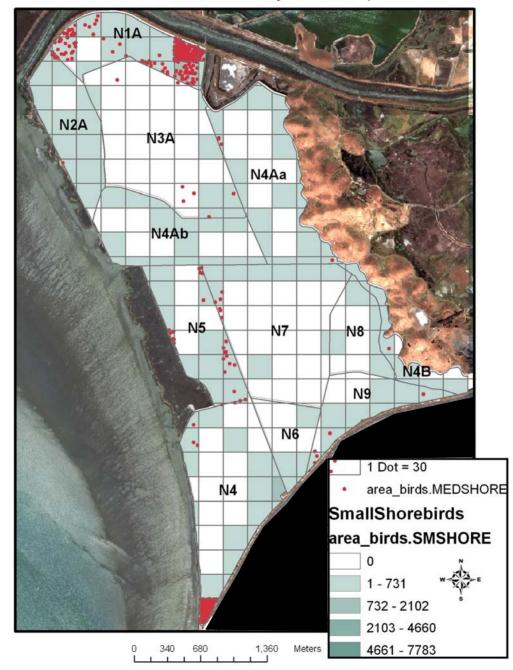
Guilds: eared grebes, flamingoes, phalaropes



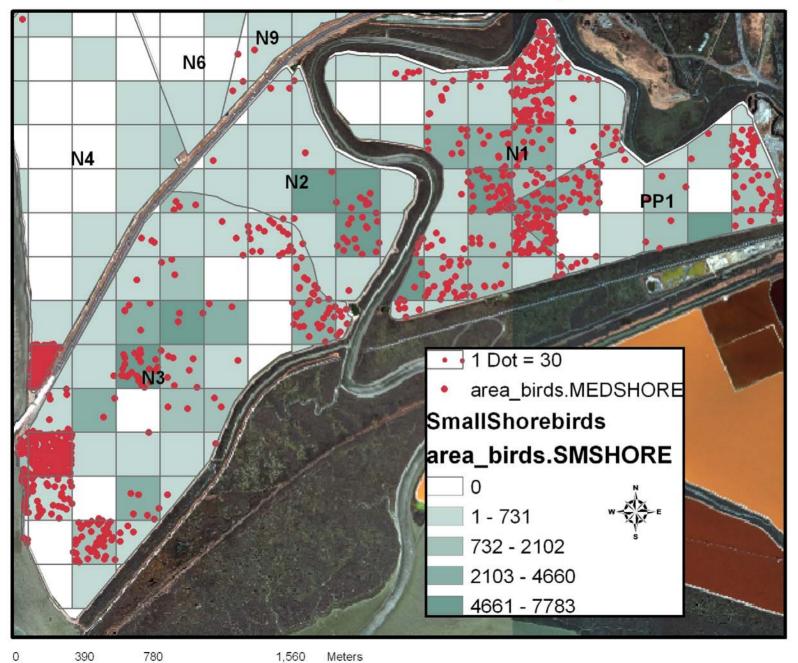
Totals by area

Area	area (ha)	total birds		% of total area	% of total birds	% birds foraging
Coyote Hills	1062.39	85157 ¹	30127	38.35	24.09	35.38
Dumbarton	520.69	212406 ²	74312	18.79	60.08	34.99
Mowry	1187.37	55947 ³	7858	42.86	15.83	14.05
Totals	2770.45	353510	112297	100.00	100.00	31.77
		shorebirds, some dabbling ducks				
		shorebirds, eared grebes gulls				

Bird distributions at Coyote Hills ponds

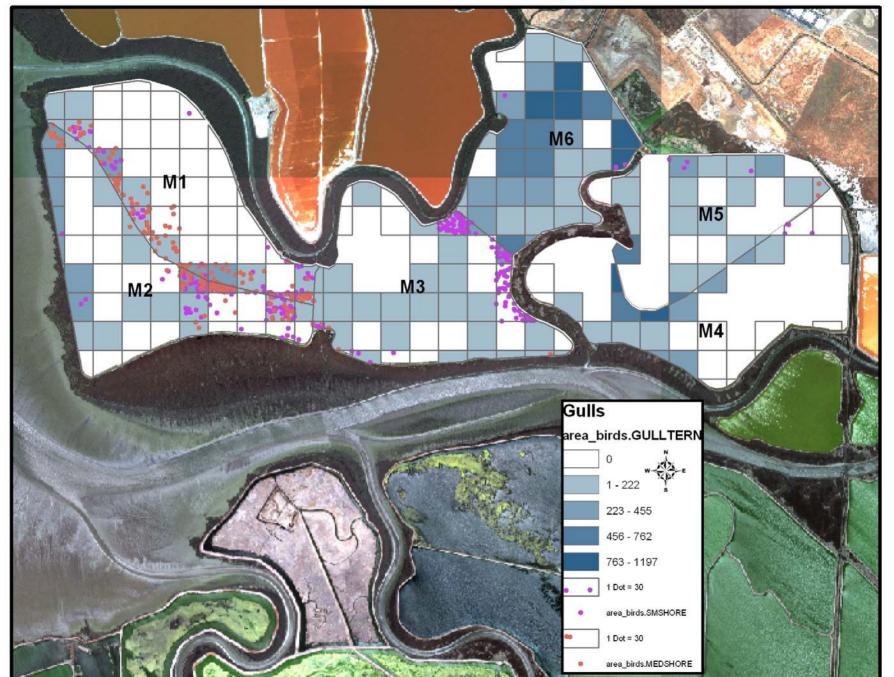


Bird distributions at Dumbarton ponds



Bird distributions at Mowry ponds

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Total shorebirds and foraging shorebirds: Coyote Hills and Dumbarton ponds



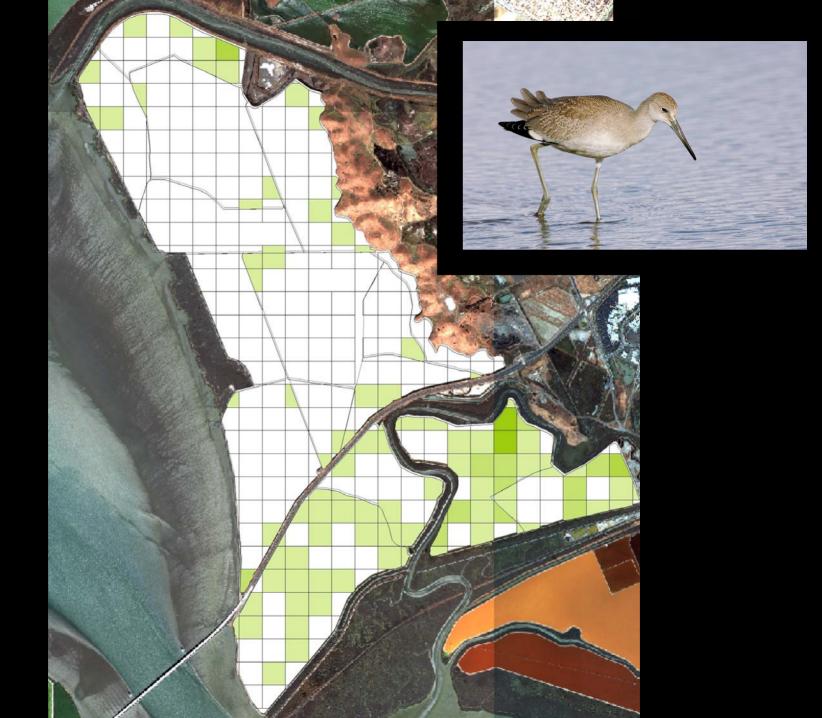


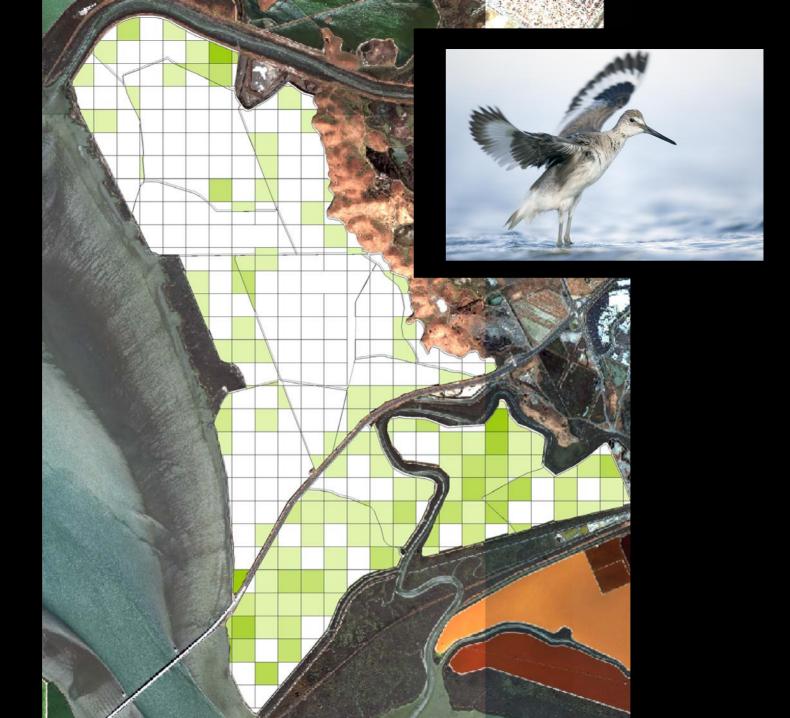


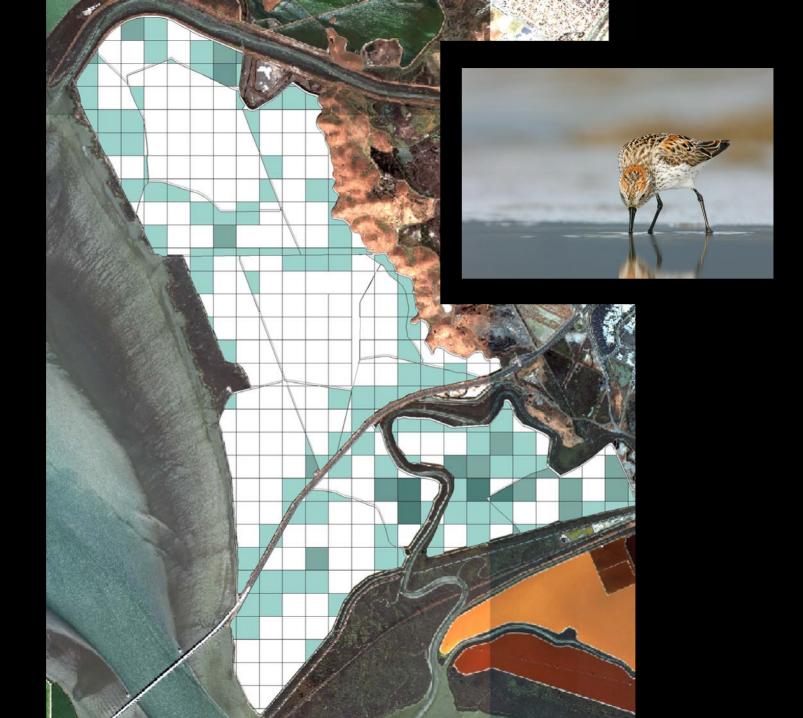


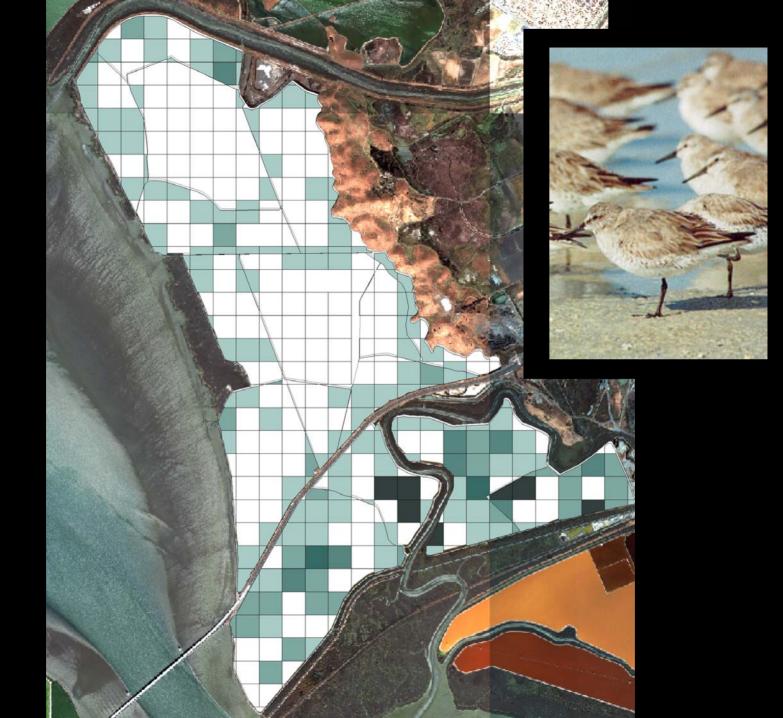
not foraging

foraging









The Newark Ponds: What are they good for?

- A few ponds are good for some guilds
- A lot of the ponds are used minimally or not at all, not even for roosting
- <u>Mowry</u> ponds are good for roosting gulls
- <u>Dumbarton</u> ponds are good for shorebirds
- <u>Coyote Hills</u> two ponds good for shorebirds to roost and forage

But...

- •Where are the rest of the ducks?
- •Where are the phalaropes?

Next step:

•Add in environmental and water quality factors to determine WHY

•Combine with USGS survey data

