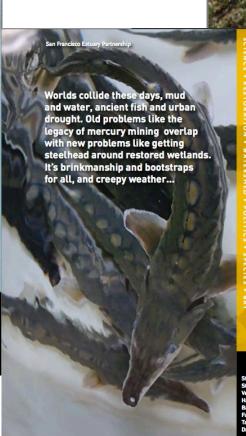
# ESTUARY NEWS MAGAZINE

2014 UPDATE

## 2014 ISSUES



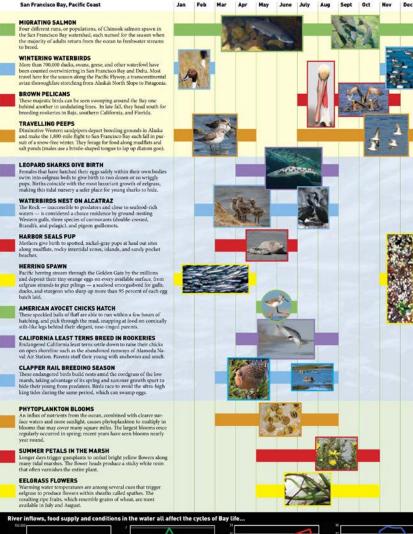


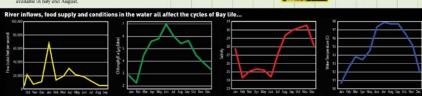
Mokelumne's Pitch for Wild River Flatlines **Dry Times for Valley Refuges** New Technique for Identifying Plankton by Color PCB Levels in Small Fish **Surprise Scientists** Alameda Creek Crawls **Toward Fish-Friendly Future Finetunes NEWS** 

NEWS

## SPECIAL INSERTS

## **SEASONS OF BAY LIFE**









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#### Alameda Work Trickles On

by Ariel Rubissow Okamoto

Driving down 680 from San Ramon to Pleasanton - with its prettily paved and groomed burbs - you wouldn't guess that this was once a shallow lake and willow marsh. Indeed little traceis left of the vast freshwater swamp called Tulare Lake, just over the East Bay ridges, which once collected all the runoff from Livermore and San Ramon. This marshy ecosystem filtered the rush of water from winter storms so that by the time it exited into the narrows of Arroyo de la Laguna, mingled with Alameda Creek, and spilled into Niles Canyon, it wasn't an unmanageable torrent. But the development of farms and towns on top of this wet spot dramatically changed the hydrology of the northern reach of a vast watershed draining into San Francisco Bay. "When it rains, Niles Canyon gets crazy, there's so much water, so fast," says Tim Ramirez, natural resources manager for the San Francisco Public Utilities Commission, which owns large areas in the watershed.

Of course the loss of the lake happened more than a century ago, and since then throughout Alameda Creek's 640-square-mile watershed dozensof other wet spots have been drained, dams built, creeks buried, and channels reshaped. "The watershed is huge and complex, and all these changes. compounded over time, have left us with a long and arduous path to getting it to function more naturally again. We're going to need the full cooperation of every partner to reach our goals," says Carol Mahoney, a planner for Zone 7 Water Agency out in Livermore.



Niles Canyon. Photo by Brian Sak.





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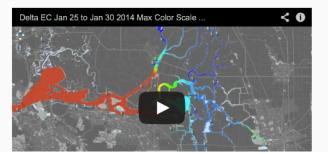
#### Keeping the Salt Field at Bay

#### by Ariel Rubissow Okamoto

As the dry, warm days went on and on and on this winter, two guys intimate with California's Sacramento San Joaquin River delta shifted gears. One reassigned staff from flood to drought response, and the other lay awake at night imagining barriers across various slough openings. By early February, some Sierra reservoirs were so low, and so close to "dead pool" level, that the water projects stopped pumping and delivering. Farmers had to retrench, communities realized they might only have enough drinking water for the next six weeks, and any salmon that succeeded in spawning upstream had no water to carry them down. Things got scary. The water projects asked state regulators to let them off the hook in meeting various water quality standards, and the governor's state of emergency put the Endangered Species Act on stand by.

**Estuary NEWS** 

While the pundits focused on skin deep polarizations - in which economy, food supply and farmers trump endangered fish - those with a deeper understanding of California water supply issues were worrying about something else altogether: keeping the salt field at bay. "Salinity is the central management challenge during a drought," says Jon Burau, a senior hydrologist with the U.S. Geological Survey. "People don't realize how much water we 'spend' repelling salinity intrusion to maintain water deliveries." (Red zone in visualization below is salt field in late January from www.baydeltalive.com/salinity.)

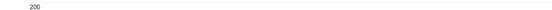


## **EXTENDED CONTENT ON WEB**

# Nitty Gritty

- MAILING & EMAIL DISTRIBUTION
- 1700 Snail Mail
- 500 Bulk Delivery Agency Offices
- 600 PDF

- MAGAZINE MOST POPULAR PAGE ON SFEP WEB SITE
  - 16% ALL VISITS
- Web Page Sessions MARCH 14-NOV 16
  - 11,214 visits
  - 67% were new visitors and 32% were returning visitors
- Sessions Via Social Referral March 14-Nov 16
  - 219 from Maven's Notebook
  - 88 from Waterboards
  - 7 Facebook & 2 Twitter all year

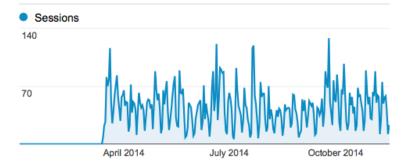




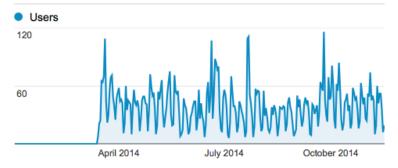
# GOOGLE ANALYTICS

P	age path level 2	Pageviews	Unique Pageviews	Avg. Time on Page		
		<b>3,770</b> % of Total: 16.49% (22,860)	2,818 % of Total: 15.89% (17,733)	00:02:01 Site Avg: 00:02:12 (-8.12%)		
1.	1	1,828 (48.49%)	1,205 (42.76%)	00:01:56		
2.	/newsletter-archive/	328 (8.70%)	193 (6.85%)	00:01:44		
3.	/subscribe-donate/	296 (7.85%)	266 (9.44%)	00:01:53		
4.	/the-laid-back-levee/	148 (3.93%)	132 (4.68%)	00:06:09		
5.	/back-to-the-future/	91 (2.41%)	78 (2.77%)	00:04:04		
6.	/interceptingtrash/	87 (2.31%)	77 (2.73%)	00:03:30		
7.	/wet-feet-for-silicon-valley/	76 (2.02%)	63 (2.24%)	00:01:55		
8.	/flood-resistant/	66 (1.75%)	55 (1.95%)	00:02:26		
9.	/shifts-on-the-pollution-front/	<b>62</b> (1.64%)	56 (1.99%)	00:00:48		
10.	/managed-retreat/	59 (1.56%)	55 (1.95%)	00:03:41		
11.	/engineering-the-delta-marshes/	55 (1.46%)	48 (1.70%)	00:02:37		
12.	/how-wild-should-drakes-estero-be/	49 (1.30%)	46 (1.63%)	00:03:27		
13.	/building-resilience/	<b>45</b> (1.19%)	34 (1.21%)	00:01:55		
14.	/clams-muddle-delta-restoration/	<b>45</b> (1.19%)	44 (1.56%)	00:03:37		
15.	/from-bay-mud-to-building-material-from-lockdown-to-smooth-sailing/	<b>45</b> (1.19%)	42 (1.49%)	00:05:05		
16.	/baylandsremodels/	<b>36</b> (0.95%)	30 (1.06%)	00:04:28		

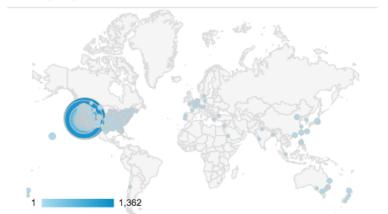
### Visits



### **Unique Visitors**



### Visits by City



/our-projects/	6/1
/our-projects/water-quality-improvement/trashca pture/	572
/our-projects/water-quality-improvement/	527
/about-us/implementation-committee/	525

## Visits and % New Visits by Visitor Type

User Type	Sessions	% New Sessions
New Visitor	7,565	100.00%
Returning Visitor	3,649	0.00%

### Visits and % New Visits by City

City	Sessions	% New Sessions
Sacramento	1,362	43.61%
San Francisco	1,176	67.43%
Oakland	642	69.47%
Berkeley	360	69.44%
San Jose	278	77.70%
San Rafael	223	65.02%
Richmond	192	57.29%
Los Angeles	181	74.03%
Davis	171	66.67%
Arden-Arcade	129	52.71%

## FUNDING EXPENSES OVERVIEW



Estuary News	2014 Per Issue Cost								
Issue	ssue # Pages		Writing/Editing Okamoto		nting Litho	Mailing/Postage City Print		Total	
March	20 pgs & insert	\$	11,700.00	\$	3,030.00	\$	1,078.12	\$	15,808.12
June	16 pges	\$	13,630.00	\$	2,700.00	\$	1,086.04	\$	17,416.04
September	12 pges	\$	14,450.00	\$	2,088.00	\$	1,085.59	\$	17,623.59
Total		\$	39,780.00	\$	7,818.00	\$	3,249.75	\$	50,847.75

2014 PROJECTED BUDGET \$70K preferred 2015 \$95K