Warning Signs on Fish Contamination: Lessons Learned

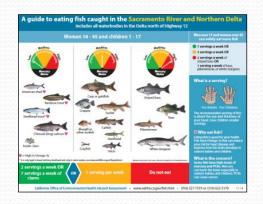
Presentation for Delta MERP Community Stakeholder Group Meeting February 4, 2015

Past Signage Efforts

- San Francisco Bay (2002)
- Delta (2006)
- Updated SF Bay (2011)
- Lake Nacimiento (2014)
- "Kiosk" flyer (2008, 2013-2014)











Delta Sign

- Developed with stakeholder input
- Two versions
- Posted at ~60 sites throughout the Delta in 2006-2008
- Evaluated physical condition and comprehension of sign message



Sacramento River and Northern Delta

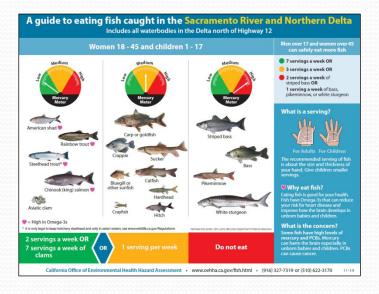


Central and South Delta

Why Develop a New Delta Sign?

- Delta advisories updated after signs were developed
- New fish/shellfish added to Delta advisories
- Advice for some fish is more restrictive
- No sign for San Joaquin River





Delta Sign Evaluation: Physical Condition

- Checked condition of 124 signs at 47 sites
- Many sign vandalized or removed
- Signs fared better at active marinas compared to remote locations
- Recommendations:
 - Use more durable materials and post more securely
 - Set posting/maintenance priorities



Sign Condition	No.	%
Good	21	45
Damaged but legible	4	9
Damaged but illegible	3	6
Missing	19	40
Total	47	

Delta Sign Evaluation: Awareness and Comprehension



- Anglers (n=62) were shown 8" x 11" copy of sign
- Comprehension of general message
- Comprehension of advisory for "red" and "green" fish appeared to be poor
- Fish species easily identified from pictures
- Some confusion on geographic area

San Francisco Bay Sign

- Hambit Demonstration of the Committee of
- Developed with stakeholder input
- Posted at ~100 sites in 2011-2012
- Goals:
 - Simple, positive message
 - But, not include the entire advisory
 - Comprehension of main message without reading
 - Part of a set of educational materials/activities
- Evaluation in design phase and after posting

SF Bay Sign Evaluation

- Design phase: anglers (n=34)
 - Tested layout, titles, images
- After Posting (n=37)
 - Asked whether they had seen the sign
 - Asked to recall "eat this" or "not this" fish
 - Asked reason sign said not to eat certain fish





Ideas for new Delta sign

- Simple message with minimal text
- Focus on visual images, i.e., fish pictures and circle-slash fork
- Use red/yellow/green color scheme for 3 advice categories
- Map icon
- Develop 3 signs for 3 Delta advisories
- Use SFB sign materials



Next Steps

- Form signage workgroup
 - Review sign designs
 - Provide input to field testing plans (which elements to test, how to test, etc.)
 - Develop posting priorities
- Report back to group at next meeting in May
- Need more information:
 - What contact information to put on sign
 - Budget and resources for production and testing
 - Role of counties/others in posting sign