Is It Safe to Eat Fish and Shellfish from Our Waters?
Proposed Web Portal Mock-up

This web portal is intended to present information on the safety of eating fish and shellfish and on the bioconcentration/bioaccumulation of pollutants from water/sediment into aquatic organisms and up the food chain. It has not yet been determined whether wildlife consumers of fish and shellfish would be included, along with human consumers. That and other details could be left up to the Safe-to-Eat workgroup to recommend to the Monitoring Council at a later date.

The Safe-to-Eat portal mockup is similar in organization an appearance to the Safe-to-Swim portal mockup. The maps on all pages are surrogates, showing only the kinds of information that we would like the portal to display. All would be scalable and interactive, in a Google Map style. *The links in the PDF-file mock-up that appear in a blue-green color are live links; clicking on them will open representative pages on the internet.*

On the Monitoring Council's home page (Page 1), the question "Is It Safe to Eat Fish and Shellfish from Our Waters?" and the tab "Eating Fish & Shellfish" at the top of the page lead users to the Safe-to-Eat main portal page (Page 2). Page 2 provides introductory text and two methods to get more information – a map interface with county or water-body specific links to a variety of information and a list of broad questions that lead to more focused web portal pages.

The focus of Page 3 is fish and shellfish consumption advisories. Again there are two ways to view this information, a map and a set of links. The map and the search box highlight water bodies for which advisories have been developed. Links to additional consumption advisories that are not water-body specific are provided on the lower right.

The Page 4 map presents a "report card" approach for fish tissue data, showing red/yellow/green dots based on OEHHA Advisory Tissue Levels and Fish Contaminant Goals or some other assessment thresholds. Additional links are provided for reports on related topics. The SWAMP reports of historic data and the soon to be released year 1 lakes report are examples of the kinds of reports that could be presented.

Actual data on fish tissue concentrations and trends over time would be displayed via the map on Page 5. Parameters of interest would be entered in the boxes on the right. The map would adjust to present the requested information as a series of color-coded dots. Clicking on a dot would lead to detailed monitoring data. Links to time-series data could be included in the bubble and via tabs at the top of the map. A web map interface tool of this type has been developed by SFEI. The map shown on this page of the mock-up was generated by the SFEI tool.

The Page 6 map highlights water bodies that have been listed as impaired (Clean Water Act 303(d)) for fish and shellfish consumption related uses. A listed water-body could be selected on the map or its name could be entered in a search box. Again the map on this page is simply a surrogate for the kinds of information that could be presented. Additional links to 303(d) and 305(b) information are also presented on the right.

Page 7 presents information that relates to improvement in fish and shellfish eating safety. As with the Safe-to-Swim portal, pages 8 and 9 present the kinds of information that would be available from the "Safe to Eat Fish Links" on the left side of each of the portal pages. Page 8 provides information on sources of fish and shellfish contamination, the risks of eating contaminated fish and shellfish, and ways people can reduce their risks. Page 9 presents laws, regulations, and standards that relate to the safety of eating fish and shellfish. Page 10 presents information about the Monitoring Council, obtained from the left hand navigation link on the Monitoring Council's home page (Page 1).