# California Monitoring Council: Web Portal Options

August 18, 2008

#### SB 1070 Goals

- Improve standardization, coordination of monitoring and monitoring data
- Improve assessment processes
- Increase access to data and assessments

#### Theme-Based Portals

- Concept for web-based access points to data and assessments
- Themes reflect broadly meaningful questions / issues
- > Portals enable:
  - different perspectives
  - different space / time scales
  - access to assessment / reporting tools
  - > data downloads
  - > access to information on design, QA, etc.

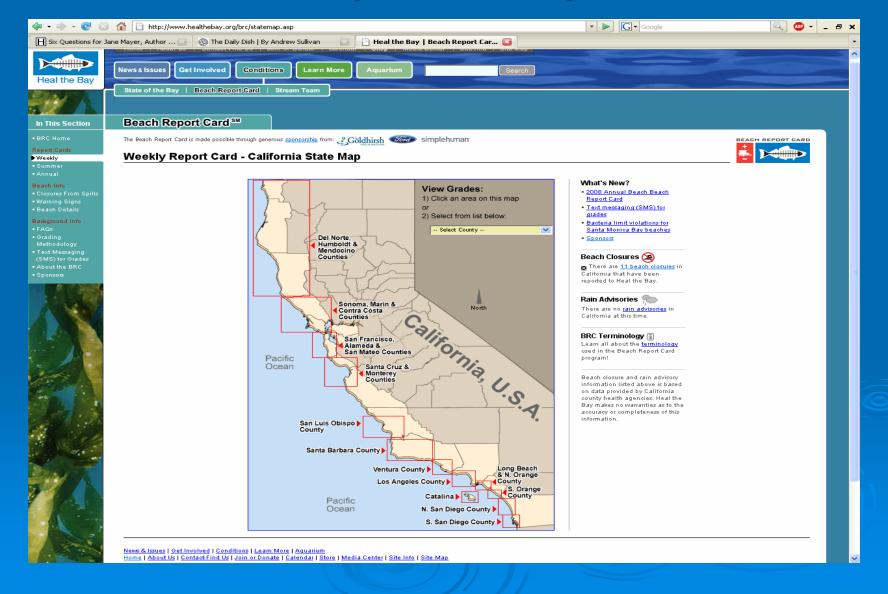
#### Portal Elements

- Monitoring / assessment strategy
- Monitoring / assessment objectives
- Monitoring / information gathering design
- > Indicators
- Quality assurance
- Data management
- Data analysis and assessment
- > Reporting
- Programmatic evaluation
- > Support and infrastructure planning

## **Example Template**



## **Example Template**



## Potential Major Themes

- Swimming safety (pathogens)
- Seafood consumption safety
- Drinking water safety
- Status of aquatic life

## Key Habitats

- > Streams
- > Rivers
- > Lakes
- > Groundwater
- > Coastal waters
- Bays and estuaries
- > Wetlands
- > Intertidal

#### Habitat-Related Subthemes

	Habitats									
		Fresh	water		Marine and coastal					
Themes	Streams	Rivers	Lakes	Ground-	Coastal	Bays &	Wetlands	Intertidal		
				water	waters	estuaries				
Swimming safety	X	Χ	Χ		Χ	X				
Seafood consumption safety	Χ	Χ	Χ		Χ	X				
Drinking water safety	Χ	Χ	Χ	X						
Status of aquatic life	Χ	Χ	Χ		Χ	Χ	Χ	Χ		

## Representative Portals

Potential data / issue portals	Ten Essential Assessment Program Elements									
	Strategy	Objectives	Design	Indicators	QA	Data Manag	Analysis / Assessment	Reporting	Evaluation	Support / Planning
Swimming safety										
Freshwater: no cases available	7	4	0	10	2	0	0	0	0	0
Coastal waters, bays & estuaries	10	10	7	9	5	8	10	10	0	0
Seafood consumption safety										
Sportfish, all habitats	8	8	10	10	10	6	10	7	0	0
Shellfish, coastal waters, bays & estuaries	10	10	5	4	5	5	7	8	0	0
Drinking water safety										
Surface water	10	10	10	10	10	10	10	8	10	0
Groundwater	8	8	8	8	5	6	10	9	0	0
Status of aquatic life										
Streams (wadeable)	10	10	10	10	10	10	10	8	3	3
Streams – fisheries	10	7	7	6	5	7	7	7	0	0
Coastal waters – reefs	7	10	10	10	6	7	6	6	0	0
Coastal waters – aquatic life contamination	10	10	10	10	10	0	5	0	0	0
Bays and estuaries – sediment quality	10	10	5	10	5	3	10	4	0	0
Bays and estuaries – San Francisco Bay	10	10	10	10	10	10	8	10	10	10
Wetlands	10	10	7	10	5	7	8	7	0	0
Intertidal	10	5X	10	10	3	4	7	10	0	0
Inventories										
Bay Delta and Tributaries Project (BDAT)	10	NA	NA	5	0	10	NA	NA	0	0
California Data Exchange Center (CDEC)	10	10	3	5	2	10	5	8	0	0
California Spatial Information Library (CaSIL)	10	NA	NA	5	0	10	NA	10	0	0
California Environmental Information Clearing House (CEIC)	6	NA	NA	2	0	6	NA	NA	0	0
San Joaquin River Monitoring & Assessment Strategy – Monitoring Directory	10	NA	NA	NA	6	7	NA	4	0	0

#### Report Outline

- > Ch. 1: Data portal concept
- > Ch. 2: Data portal design elements
- > Ch. 3: Current portal assessment
- > Ch. 4: Implementation plan
- > Ch. 5: Recommendations

## SB 1070 Report Requirements

- Comprehensive monitoring and assessment program strategy (10 yrs)
- Agreement on monitoring indicators
- Reduced redundancies and inefficiencies in existing monitoring, data management
- > QA/QC plans to ensure data quality
- Method for compiling, integrating monitoring data
- Accessible and user-friendly electronic system
- Production of timely and complete reports
- Method for tracking effectiveness of water quality improvement projects
- Cost estimates and funding plan