

## Enhanced Delta Emergency Response 2007-08 Summary

DWR is currently engaged in two activities to enhance DWR's ability to respond to large-scale levee failure or flood related emergencies in the Sacramento-San Joaquin Delta:

### ***Emergency Operations Plan***

DWR completed an Interim Emergency Operations Plan (see Figure 1) that outlines the Department's general legal responsibilities concerning emergencies in the Delta and provides specific examples of what DWR can do today in the event of such an emergency. This interim plan will be presented to a wide-range of public stakeholders interested in the Delta, and their feedback will be used to complete a formal EOP in late 2008. The plan is intended to aid Federal, State, and local emergency response groups, by providing them with quick access to the necessary technical details and contact information needed to respond to emergencies.

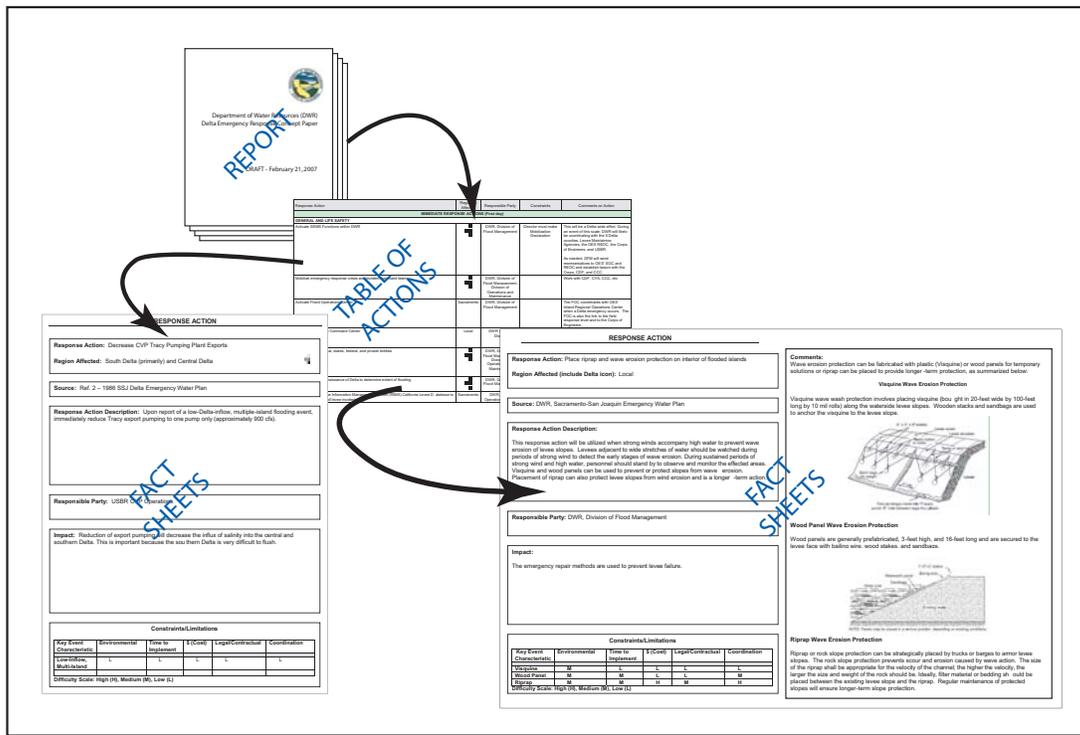
### ***Pre-Event Prep Work***

DWR has completed the first of two phases of engineering design work intended to enhance the State's current ability to respond to large-scale levee failures or floods in the Delta. Currently the State has enough flood fighting (wave wash protection) materials to sustain 20 15-person crews over a period of 4 days to protect nearly 20 miles of levees anywhere within the State before having to bring in additional supplies. This first phase focused on enhancing the State's response ability in what are considered "no regrets activities" by:

- (1) Developing preliminary plans to determine the quantity and gradation of rock needed to repair multiple levee breaches and block 8 river channels in order to minimize the intrusion of salinity in the interior of the Delta,
- (2) Securing three new joint stockpile / transfer facilities with close proximity to potential trouble spots in the Delta and easy access to Federal and State highways (see Figure 2),
- (3) Completing design requirements and contracting for the construction of a new belt conveyor system capable of moving large quantities of large diameter rock necessary to close levee breaches and construct temporary rock barriers,
- (4) Establishing new procurement contracts for rock to be placed at the three stockpile / transfer facilities and to include contingency based arrangements for these contractors to place rock in the event of an emergency.

One of these facilities, Rio Vista, is located on property already owned by DWR and the Department reached agreements with adjacent landowners to grant the State access from the property to the Sacramento River for loading barges with sand and rock. The other two locations, Hood and Port of Stockton, have been leased by DWR for 5-years (after which time, new agreements will need to be made with the property owners).

A second phase of design work and contracts will focus on increasing the quantity of rock stockpiled at the facilities, as well as procuring other breach closure materials, such as sheet piles and increasing current wave wash protection supplies.



**Figure 1 (above):** DWR’s Delta Emergency Operations Plan Concept Paper is the current interim EOP for the State’s response to a water or flood related emergency in the Sacramento-San Joaquin Delta and is the blueprint for the formal EOP that is scheduled to be completed in 2008.

**Figure 2 (right):** Location of new DWR rock, sand, and flood fight stockpile and transfer facilities, all located in areas above mean sea level and near roads and highways with quick access to either east Sierra quarries and Sacramento or the San Francisco Bay Area.

