

Memorandum

Date: January 19, 2012

To: Joe Grindstaff
Executive Officer
Delta Stewardship Council
980 Ninth Street, Suite 1500
Sacramento, California 95814

From: Dave Mraz, Chief
Delta Levees and Environmental Engineering Branch
Department of Water Resources

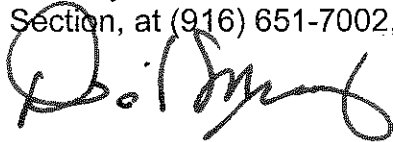
Subject: Status of Levee Heights for Delta Islands

This memorandum transmits the Department of Water Resources' (DWR) information, in hardcopy and electronic format (CD attached), on the status of levee height for each island in the Delta. The information is provided in response to the Delta Stewardship Council's (DSC) request for DWR's best estimate of the levee miles in the Delta that comply with Hazard Mitigation Plan (HMP) and PL 84-99 standards. Please note that spreadsheets and maps for individual islands are not attached in hardcopy but can be found on the attached CD.

On the list of attachments, it is very important that your staff read the "Transmittal Document," the "Disclaimer," and the "Delta Levee Classification Analysis Assumptions and Limitations." The Disclaimer and the Delta Levee Classification Analysis Assumptions and Limitations are particularly important when providing the information to third parties or posting on a website. As stated in these attachments, this analysis is intended for planning purposes and to track general progress towards meeting geometry standards across the Delta. They should not be used for site-specific design or for assessment purposes to establish eligibility for reimbursement of emergency repair costs.

This analysis represents the DWR's "best available" evaluation of the levees. As such, surveys used in the analysis vary by method, quality of geodetic control, vintage, etc. depending upon the local maintaining agency and individual cross sections. These factors can affect the levee classification. Since the Delta levees settle and deform over time, their classification, which is based on geometry, will also change over time between surveys. Additionally, new maintenance and rehabilitation work could improve the geometry classification since the time of the last available survey. Because many factors can change levee geometry, this analysis is a snapshot of the levee condition that will change; therefore, awareness of both the vintage of the surveys and of the recency of the analysis itself is important when interpreting the results.

If you have any questions regarding this analysis or our interpretations, please contact me, or your staff can contact Joel Dudas, Senior Engineer, GIS/Remote Sensing Section, at (916) 651-7002, email jdudas@water.ca.gov.



Dave Mraz, Chief
Delta Levees and Environmental Engineering
FloodSAFE Environmental Stewardship and
Statewide Resources Office

Attachments:

1. Delta-Wide HMP Compliance Map
2. Delta-Wide PL84-99 Compliance Map
3. Detailed Classification and Summary Table
4. Transmittal Document
5. Delta Levee Classification Analysis Assumptions and Limitations
6. Disclaimer
7. CD – “Delta Levee Status Map Products”
 - a. Electronic Copy of 1-6 above
 - b. Individual LMA Compliance Maps
 - c. Individual LMA Worksheets
 - d. GIS files

cc: Gail Newton
Dale Hoffman-Floerke