

Introduction

Local Maintaining Agency (LMA) Annual Report 2010 is the third in a series of annual reports by the Department of Water Resources (DWR). DWR prepares this report for the Central Valley Flood Protection Board (CVFPB) to meet the requirements of California Water Code (CWC) Section 9141.

LMAs submit specific information to DWR by September 30 of each year regarding the levees they operate and maintain. DWR summarizes the information submitted by LMAs in a report format and provides the report to the CVFPB by December 31 of each year. Submission of information by LMA includes levee conditions and operation and maintenance activities which are essential for a comprehensive understanding of the flood protection system in the Central Valley. The information presented in this report is also critical to flood control system evaluation and assessment.

The LMA report is currently being implemented as part of DWR's Flood Emergency Response Program by the Division of Flood Management. FloodSAFE California – California's multi-faceted program to improve public safety through integrated flood management – has identified the Flood Emergency Response Program as a way to manage residual flood risks and reduce the loss of lives and properties when flooding occurs.

Summary of Local Maintaining Agencies Reports

This Annual Report includes a compilation of year 2010 information received from LMAs on the project levees¹ and certain non-project levees they maintain in the Sacramento and San Joaquin river basins. DWR identified 89 LMAs that are required to submit information to DWR pursuant to CWC Sections 9140 and 9141 on 110 different geographical areas. In this third year of required reporting, 80 percent of LMAs provided reports. All LMAs with at least a partial response are considered as providing reports.

The table below provides a summary of information submitted to DWR by LMAs. Appendix A and Appendix B include summary reports for each LMA that maintains project levees along the Sacramento River and San Joaquin River, respectively. DWR will use this information to develop critical data for levee evaluation, monitor levee conditions throughout the system, and provide input to its comprehensive FloodSAFE Program to improve public safety and manage residual flood risk.

Table 1: Summary of Information Reported by LMAs

Reporting Categories	Reporting Measurement Type	Number of Occurrences
Reporting	LMAs subject to reporting requirements	89
	LMAs submitted reports	71
	Geographical areas subject to reporting requirements	110

¹ A project levee is a levee that is part of the State-federal Sacramento River Flood Control System or the San Joaquin River Flood Control Project – about 1,600 miles of levees in total.

	Reports received on geographical areas	92
	Total entries from LMA reports in DWR Database	1500
Maintenance Reported	Areas reporting a summary of activities during the previous fiscal year	83
	Areas reporting work and estimated costs for current fiscal year	91
	Areas reporting routine annual vegetation maintenance activities	34
	Areas reporting rodent/animal control activities	23
	Areas reporting seepage control	5
	Areas reporting levee structural feature maintenance activities	6
Repairs Performed	Areas reporting levee repairs	17
	Areas reporting levee structural feature repairs	11
Levee Conditions Reported	Areas reporting information relevant to condition or performance	77
	Areas reporting conditions that might compromise level of flood protection	72
	Areas reporting levee compaction, settlement, or freeboard issues	3
	Areas reporting seepage and sand boil issues	12
	Areas reporting erosion, channel migration, or revetment issues	2
	Areas reporting sedimentation issues	4
	Areas reporting vegetation issues	11

CWC Sections 9140-9141 Annual Reporting Requirements

Background

California Assembly Bill 156 (Laird, 2007) Flood Control was introduced in the 2007-2008 Legislative Session. The Governor signed the bill and the Secretary of State chaptered it on October 10, 2007 (Chapter 368, Statutes of 2007). CWC Sections 9140-9141 include requirements for LMAs to submit an annual report on their operation and maintenance of a project levee and for DWR to submit an annual report to summarize the information received from LMAs. By establishing these requirements on a LMA, CWC Sections 9140-9141 impose a state-mandated local program effective July 1, 2008.

Where were the AB 156 LMA reporting requirements added to the CWC?

AB 156 added Chapter 9, commencing with Section 9110, to Part 4 of Division 5 of the CWC. Water Code additions specific to the Local Maintaining Agency Reporting Program are outlined below:

<u>CWC Section</u>	<u>Topic</u>
Chapter 9, Article 1, Section 9110:	Selected Definitions
Chapter 9, Article 4, Section 9140:	Local Reports

Local Maintaining Agency Reports

LMAs (including Sacramento and Sutter Maintenance Yards) are required to submit a report of information pertaining to the operation and maintenance of their levees to DWR by September 30 each year. According to CWC Section 9140, the information submitted to DWR shall include all of the following five items:

1. Information known to the LMA that is relevant to the condition or performance of the project levee
2. Information identifying known conditions that might impair or compromise the level of flood protection provided by the project levee
3. A summary of the maintenance performed by the LMA during the previous fiscal year
4. A statement of work and estimated cost for operation and maintenance of the project levee for the current fiscal year, as approved by the LMA
5. Any other readily available information contained in the records of the LMA relevant to the condition or performance of the project levee, as determined by the CVFPB or DWR

To aid LMAs with the reporting requirements, DWR developed electronic and hard copy formats reports. Both electronic and hardcopy reporting forms are shown in the Appendix D.

In some cases, project levees abut to non-project levees, therefore some non-project levees may also keep flood water out of areas protected by project levees. In these cases, CWC Sections 9140-9141 requires that LMAs subject to these requirements include the same information for these non-project levees. Other LMAs for non-project levees may voluntarily submit their operation and maintenance information to DWR for inclusion in the Annual Report.

The individual LMA profiles have following format:

- Agency name and county it belongs to
- Contact information
- Agency plat map and aerial map

Selected CWC Definitions

Section 9110

"Local Agency" means a local agency responsible for the maintenance of a project levee.

"Maintenance" has the same meaning as that set forth in subdivision (f) of Section 12878.

"project levee" means any levee that is part of the facilities of the State Plan of Flood Control.

"State Plan of Flood Control" means the state and federal flood control works, lands, programs, plans, policies, conditions, and mode of maintenance and operations of the Sacramento River Flood Control Project described in Section 8350, and of flood control projects in the Sacramento River and San Joaquin River watersheds authorized pursuant to Article 2 (commencing with Section 12648) of Chapter 2 of Part 6 of Division 6 for which the board or the department has provided the assurances of nonfederal cooperation to the United States, and those facilities identified in Section 8361.

"Fiscal year" has the same meaning as that set forth in Section 13290 of the Government Code. (The fiscal year shall commence on the first day of July.)

- Levee unit information
- U.S. Army Corps of Engineers (USACE) Operation and Maintenance Manual information
- Summary of information reported by the LMA

Summary Department Report

According to CWC Section 9141, DWR is required to prepare and submit to the CVFPB an annual report on the project levees and certain non-project levees operated and maintained by LMAs. This report summarizes submitted information received from LMAs, as well as relevant portions of any of the following documents as determined by DWR:

1. Annual inspection reports on LMA maintenance prepared by DWR or the CVFPB
2. The State Plan of Flood Control Descriptive Document (SPFC)
3. The Flood Control System Status Report (FCSSR)
4. The schedule for mapping described in CWC Section 8612
5. Any correspondence, document, or information deemed relevant by DWR

Annual inspection reports on LMA maintenance for the year 2010 will be available early January 2011. SPFC has been finalized and out for public view, however the remaining documents are being developed as part of the FloodSAFE program over the next several years.

DWR is required to make each LMA's flood management report available for website viewing (see cdec.water.ca.gov/lma.html). DWR is also required to provide a copy of each report to the following entities:

1. The LMA
2. Any city or county within the LMA's jurisdiction
3. Any public library located within the LMA's jurisdiction

CWC Sections 9140 - 9141 Reporting Timelines

CWC changes became effective:	July 1, 2008
Local Maintaining Agency reports to DWR :	Due September 30 each year
DWR Annual Report to CVFPB :	Due December 31 each year

Communication and Outreach

DWR recognizes that the requirements of CWC Section 9140 placed a new reporting burden on LMAs. To help make reporting easier, DWR developed an outreach program and reporting tools to assist LMAs. DWR notified LMAs of the new reporting requirements, developed electronic and hard copy reporting options, and held a series of presentations and workshops. The process continues with DWR soliciting feedback from LMAs to improve the program. The following subsections and the supporting Figure 1 describe the chronology of the outreach process for 2010.

Fact Sheet

In June 2010, a three page Fact Sheet describing the new program and reporting requirements was mailed to all LMAs. Please see Appendix D for a copy of the fact sheet.

Local Maintaining Agency Meetings

DWR staff met with three LMAs on the following dates:

Agency	Date
<i>Yolo County Public Works</i>	September 16, 2010
<i>Reclamation District 2035</i>	September 22, 2010
<i>Reclamation District 369</i>	September 30, 2010

Submittal to Libraries

DVDs of 2008 and 2009 Annual Reports were submitted to all of the libraries within the jurisdictional areas of the LMAs. DVDs of this year's and subsequent years' annual reports will be distributed to the libraries. The accompanying July 28, 2010 letter described the link to the reports and DWR's outreach requirements.

Electronic Reporting - Web Application Development

California Data Exchange Center (CDEC) staff assisted with the development of a graphical user interface to facilitate reporting and information sharing. The application allows LMAs to establish an individual user account, the ability to access certain Division of Flood Management flood system information, and the ability to submit required information electronically. This information sharing is expected to enhance DWR's flood emergency response capabilities and will benefit LMAs in their operations and planning endeavors.

Local Maintaining Agency Reporting Workshops

A LMA reporting workshop announcement was distributed to LMA contacts in May 2010 to provide information on a series of six separate LMA reporting workshops to be held on June 15, 16, and 17 2010. These workshops were held in the Flood Center, and were intended as a forum for demonstrating the electronic reporting web application, receiving comments and suggestions for program improvement, and discussing paper copy reporting procedures. The workshop flyer is attached in Appendix D.

Reporting Requirements Letter

On July 1, 2010, a reporting requirements letter was mailed to all LMAs with instructions and the deadline. A copy of the letter is attached in Appendix D.

Reminder Letter

On September 16, 2010, a reminder letter was mailed to those LMAs who had not submitted any information, reminding them of the approaching deadline. A copy of the letter is attached in Appendix D.

Final Notification Letter

On October 27, 2010, a final notification letter was mailed to those LMAs who had not submitted any information, reminding them of the reporting requirements and deadlines. A copy of the letter is attached in Appendix D.

Non-reporting Local Maintaining Agencies

Although the deadline for submitting the required information to DWR has been extended on an individual basis, several LMAs have not responded. Below is the list of the non-reporting LMAs in the year 2010:

Honcut Creek Eastern Area
Levee District No. 3
Levee District No. 9
Madera County Flood Control & Water Conservation Agency
Plumas County
Reclamation District No. 10 (Honcut)
Reclamation District No. 785 (Driver)
Reclamation District No. 827 (Elkhorn)
Reclamation District No. 900 (West Sacramento)
Reclamation District No. 2031 (Elliot)
Reclamation District No. 2035 (Conaway)
Reclamation District No. 2075 (McMullin)
Reclamation District No. 2091 (Chase)
Reclamation District No. 2092 (Dos Rios)
Reclamation District No. 2096 (Wetherbee Lake)
Reclamation District No. 2104 (Peters Pocket Tract)
Reclamation District No. 2107 (Mossdale)
Turlock Irrigation District - Gomes Lake