

RD 3's 2010 Annual Report
As an Example
(with minor editing)

PART#	UNIT_NAME:	CATEGORY:	DESCRIPTION:	B_LM	E_LM	COMMENTS:	COST EST
1	Unit No. 01 Left Bank	Levee/Berm Erosion	Waterside bank protection erosion.	0.92	0.97	Approximately 260 feet long erosion site with overhanging trees, exposed roots and limited or no rock revetment along the slope.	
1	Unit No. 01 Left Bank	Levee/Berm Erosion	Waterside bank protection erosion.	0.18	0.24	Approximately 300 feet long erosion site with overhanging trees, exposed roots, and limited or no rock revetment along the slope. This site is less than 1,000 feet downstream of "NAME" Slough's mouth.	
1	Unit No. 01 Left Bank	Seepage, Saturated areas, and Sand boils	Seepage zone.	6.3	6.5	This seepage location has been repaired in the past with drain rock and a seepage ditch. The District plans to perform additional repairs during 2011, or earlier depending on when the design and plans can be completed.	
1	Unit No. 01 Left Bank	Seepage, Saturated areas, and Sand boils	Historical sinkhole and seepage zone.	4.73	4.88	This has been a historical occurrence at this site, and repairs have been attempted. Water continues to flow clear through some spots and sinkholes are visible from the levee crown. Site is continually monitored.	
2	Unit No. 01 Left Bank	Erosion/Berm/Toe	Waterside bank protection erosion.	0.92	0.97	Approximately 260 feet long erosion site with overhanging trees, exposed roots and limited or no rock revetment along the slope.	
2	Unit No. 01 Left Bank	Erosion/Berm/Toe	Waterside bank protection erosion.	0.18	0.24	Approximately 300 feet long erosion site with overhanging trees, exposed roots, and limited or no rock revetment along the slope. This site is less than 1,000 feet downstream of "NAME" Slough's mouth.	
2	Unit No. 01 Left Bank	Seepage	Sinkhole and seepage area.	4.73	4.88	Historical seepage and sinkhole are continuously active, and water constantly seeps through the area. The clear water flow and sinkhole locations are easily visible for inspection and monitoring which is continuous throughout the year.	
2	Unit No. 01 Left Bank	Seepage	Seepage area.	4.73	4.88	Seepage location has been repaired in the past with drain rock and a seepage ditch. The District plans to perform additional repairs during 2011.	
2	Unit No. 02 Right Bank	Other	No additional information of known conditions that could impair or compromise the levee stability or integrity are known to the District beyond those already denoted by Flood Management.	0	17.3	No comments.	
3	Unit No. 01 Left Bank	Erosion Repair	Waterside bank erosion repair by USACE under PL 84-99.	10.24	10.33	Approximately 460 feet long erosion site comprised of a large steep scour on the waterside of the levee. Heavily eroded slope with existing riprap along toe of scour. Site is repaired by USACE Fall 2009 under PL 84-99 program for erosion repairs stemming from the 2005-06 Winter and Spring emergency flood.	
3	Unit No. 01 Left Bank	Inspections	Daily levee inspections by Superintendent and staff.	0	11.4	No comments.	

3	Unit No. 01 Left Bank	Rodent Control/Bait and Traps	Rodent control by baiting within burroughs	0	10.6	District typical operation once a rodent hole, or area has been identified is to apply pesticides, within and around active area, and the backfill holes within several days and recompact. This ongoing operation has been successful, and the District has very limited rodent problems due to the continual maintenance.	
3	Unit No. 01 Left Bank	Surveying and Engineering	Ongoing coordination with District engineers.	0	10.6	Engineers provide general consulting for all areas of concern for the District, and attend monthly board meetings and direct work in the field, as required.	
3	Unit No. 01 Left Bank	Vegetation Control/Burning	Controlled burning along waterside and landside of Steamboat Slough Levee.	6.1	10.6	All burning is during permitting periods and District fire truck and staff are on hand to monitor controlled burn.	
3	Unit No. 01 Left Bank	Vegetation Control/Mowing	Livestock grazing and mechanical mowing along landside and waterside slope and toe of levee	0	10.6	Grazing operation during the fall months to ensure vegetation is taken out after the growing season to limit growth.	
3	Unit No. 01 Left Bank	Vegetation Control/Spraying	Spraying from truck or tractor mounted boom with nozzles.	0	10.6	Unable to access levee south of levee mile 10.6 where US Government has changed the locks on their gates. District still has maintenance responsibilities, but has been unable to get a key from them.	
3	Unit No. 02 Right Bank	Encroachment Control	Removal of encroachments at various locations.	0	17.33	Debris piles, fencing, and old pipes, etc.	
3	Unit No. 02 Right Bank	Inspections	Levee inspections and levee patrol daily to check on discharge facilities, and levee conditions.	0	17.33	Checked landscape, waterside slopes, as well as all District facilities daily.	
3	Unit No. 02 Right Bank	Rodent Control/Bait and Traps	Rodent baiting and control at various locations.	0	17.33	No additional comments.	
3	Unit No. 02 Right Bank	Surveying and Engineering	General consulting regarding District operations, maintenance, rehabilitation projects, etc.	0	17.33	No additional comments.	
3	Unit No. 02 Right Bank	Vegetation Control/Burning	Burning along southern end of the Sacramento River.	0	3.6	Various locations along approximately 3.3 miles of levee.	
3	Unit No. 02 Right Bank	Vegetation Control/Mowing	Livestock grazing and mechanical mowing along levee.	0	17.33	No additional comments.	
3	Unit No. 02 Right Bank	Vegetation Control/Spraying	Spraying of waterside and landside slope to control vegetation growth.	0	17.33	No additional comments.	
4	All Units	Surveying and Engineering	Ongoing consultation, planning and design for erosion repair and seepage berm at different locations, coordinate with District on maintenance activities.	0	0	Majority of the engineers will be in preparation of construction season, late Summer and Fall 2011.	\$75,000.00
4	Unit No. 01 Left Bank	Encroachment Control	Removal of old farm equipment, implements, abandoned pipes, garbage, fencing, etc. from the levee footprint.	0	10.6	District will be performing a large scale levee maintenance project to clear the levees, and encroachments from the District's jurisdiction.	\$5,000.00
4	Unit No. 01 Left Bank	Erosion Repair	Erosion site repair.	2.78	2.84	Site is characterized by a steep eroded slope with rock revetment at the site to tie in repair. Project construction Fall 2010	\$100,000.00
4	Unit No. 01 Left Bank	Inspections	District will continually inspect and patrol the levee.	0	11.4	District will inspect and patrol the south levee beyond the US government gate by foot if necessary to review conditions.	\$10,000.00
4	Unit No. 01 Left Bank	Rodent Control/Bait and Traps	Control rodent activity, actively bait rodent dens/holes and compact existing dens.	0	11.4		\$2,500.00
4	Unit No. 01 Left Bank	Seepage Control/Toe Drain	Repair of seepage along levee toe with seepage berm and drainage system.	6.3	6.5	Project schedule will depend on completion of design and coordination with CVFPB staff	\$1,000,000.00
4	Unit No. 01 Left Bank	Vegetation Control/Burning	Burning along the landside and waterside slopes at various locations	4.9	10.6	Burning is done to minimize any impacts to trees, or planted vegetation berms.	\$2,500.00

4	Unit No. 01 Left Bank	Vegetation Control/Mowing	District will be performing a levee maintenance project to clear vegetation from the levee slope to adhere to the State and Federal regulations. This includes manual clearing, mechanical mowing and animal grazing.	0	11.4	Clearing to meet the State and Federal levee maintenance standard.	\$125,000.00
4	Unit No. 01 Left Bank	Vegetation Control/Spraying	Upon completion of the vegetation mowing/grazing, the levee will be sprayed to control future growth of noxious weeds.	0	11.4	Various areas will not require spraying.	\$10,000.00
4	Unit No. 01 Left Bank	Vegetation Control/Thin and Trim	Trees within the levee footprint will be trimmed, and pruned up at least 5 feet from the levee slope.	0	11.4	Meet interim guidelines of the State and Federal Operations and Maintenance standards.	\$5,000.00
4	Unit No. 02 Right Bank	Encroachment Control	Removal of levee non permitted encroachments	0	17.33	Removal of old pipes, equipment, garbage, debris, metal, wood, and other items from the levee footprint.	\$5,000.00
4	Unit No. 02 Right Bank	Inspections	Daily levee inspection and patrolling.	0	17.33	No additional comments.	\$10,000.00
4	Unit No. 02 Right Bank	Rodent Control/Bait and Traps	Rodent control and compaction of holes and active areas.	0	17.33	No additional comments.	\$2,500.00
4	Unit No. 02 Right Bank	Vegetation Control/Mowing	Levee maintenance project to clear vegetation along levee slope.	0	17.33	Levee vegetation will be cleared below the 12-inch minimum standard for vegetation clearing to meet State and Federal interim guidelines for levee maintenance, and vegetation control.	\$150,000.00
4	Unit No. 02 Right Bank	Vegetation Control/Spraying	Spraying of levee slopes to control vegetation growth.	0	17.33	No additional comments.	\$15,000.00
4	Unit No. 02 Right Bank	Vegetation Control/Thin and Trim	Trim and thin all trees within the required footprint to meet the State interim standard.	0	17.33	All trees, or overhanging limbs will be trimmed up at least 5 feet from the levee slope.	\$10,000.00
5	Unit No. 01 Left Bank	Reports/Studies		0	0		
5	Unit No. 02 Right Bank	Permits/MOU's	Work with California Department of Transportation to access Highway right of way for levee maintenance projects.	0	0	This is the second year of a two year permit.	
5	Unit No. 02 Right Bank	Permits/MOU's 5	Memorandum of Understanding with California Department of Transportation to provide support and vegetation control along Highway right of way, including guard railing and landside shoulder.	3.6	17.33	No comments.	

Legend

B_LM - Beginning of Levee Mile
E_LM - End of Levee Mile