

**Delta Levee Coalition**  
**List of priority projects for use of Proposition 1E and Proposition 84 Funds**  
**(Levees outside the State Plan of Flood Control)**

| Project Description   | Cost  |         |            |       | Local Cost Share                 |  | Project Readiness   | Local & Regional Benefits  |
|---|---|---------|------------|-------|----------------------------------|--|---|--|
|   | HMP   | PL84-99 | FEMA Cert. | Other | Req.                             | Available  |   |  |
| Remove deep pipes along 3.9 miles of existing urbanized levee. Improvement of a 3.9 mile section of levee in an existing urbanized area. Project consists of removing deep and abandoned piles, and installing sheet pile. (Meets HMP standard) | \$200,000 plus per year; \$10 Million   |         |            |       | 25% required by Special Projects | A special assessment of \$5,000 plus per year, other budget funds available. | Conceptual plan & engineering done in 2004. Project is ready for design specs and bidding. Work can be done under maintenance permits. Project can be phased. | Hotchkiss is one of the Eight Western Delta Islands that DWR has identified as critical to control of salinity in the Delta, protecting water quality to all water users in the state. The levee system protects existing urbanization including homes, businesses, agriculture, and recreational access. The levee also protects identified wetlands. |
| Sheet pile along 3.9 miles of existing urbanized levee.   | \$1 Million plus per year; \$30 Million total. Increases seismic resistance of levee. |         |            |       | 25% required by Special Projects | A special assessment of \$5,000 plus per year, other budget funds available. | Conceptual plan & engineering done in 2004. Project is ready for design specs and bidding. Work can be done under maintenance permits. Project can be phased. | Hotchkiss is one of the Eight Western Delta Islands that DWR has identified as critical to control of salinity in the Delta, protecting water quality to all water users in the state. The levee system protects existing urbanization including homes, businesses, agriculture, and recreational access. The levee also protects identified wetlands. |

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|--|------|-------------|---------------|-------|------------------|-------------------------|--|--|
| Holland Tract:<br>Rec Dist. 2025   | HMP  | PL84-99     | FEMA<br>Cert. | Other | Req.             | Available               |  |  |
| Placement of fill material on 10.9 miles of levees, on the landside slope and levee crown to achieve the PL-99 cross section standard, minimizing or eliminating subsidence and reducing future O&M costs. |      | \$1 Million |               |       |                  | Yes,<br>Varies<br>7-25% | Conceptual planning and engineering was done in 2006. Project is ready for detail design specs and bid documents. Work can be done under existing routine maintenance permits. | Holland tract is one of the Eight Western Delta Islands that DWR has identified as critical to control of salinity in the Delta, protecting water quality to all water users in the state.<br><br>Potential to plant the new levee berm with native vegetation to create upland habitat.<br><br>Reducing flood risk; Holland Tract is located along Old River and Rock Slough, main conveyance channels for the Contra Costa Water District, the State Water Project and the Central Valley project. |

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|--|------|---------------|---------------|-------|------------------|-------------------------|--|--|
| Holland Tract:<br>Rec Dist. 2025   | HMP  | PL84-99       | FEMA<br>Cert. | Other | Req.             | Available               |  |  |
| <b>Bank Protection Project</b><br>Placement of riprap on the waterside slope (from the existing top of rock to the PL-99 elevation) to reduce flood risk due to erosion.<br><br>In critical reaches, a splash cap would be constructed to prevent damage from wind-driven waves. |      | \$1.8 Million |               |       |                  | Yes,<br>Varies<br>7-25% | Conceptual planning and engineering was done in 2006. Project is ready for detail design specs and bid documents. Work can be done under existing routine maintenance permits. | Holland tract is one of the Eight Western Delta Islands that DWR has identified as critical to control of salinity in the Delta, protecting water quality to all water users in the state.<br><br>Potential to plant tules at base of waterside slope for habitat enhancement. Tules would also aid in dissipating wave energy, reducing flood risk.<br><br>Reducing flood risk; Holland Tract is located along Old River and Rock Slough, main conveyance channels for the Contra Costa Water District, the State Water Project and the Central Valley project. |

| <b>Project Description</b>  | <b>Cost</b> |                |                       |              | <b>Local Cost Share</b> |                      | <b>Project Readiness</b>   | <b>Local &amp; Regional Benefits</b>  |
|---|-------------|----------------|-----------------------|--------------|-------------------------|----------------------|--|---|
| <b>Webb Tract:<br/>Rec. District 2026</b>   | <b>HMP</b>  | <b>PL84-99</b> | <b>FEMA<br/>Cert.</b> | <b>Other</b> |                         |                      |  |   |
| <p>Rehabilitation - 12.8 miles of levees to PL-99 standard.</p> <p>Placement of fill material in landside slope and levee crown along critical levee reaches to reduce flood risk, minimizing subsidence (and thereby decreasing future O&amp;M costs),</p> |             | \$10 Million   |                       |              |                         | Yes, Varies 0 to 25% | <p>Conceptual planning and engineering was done in 2006.</p> <p>Project is ready for detail design specs and bid documents. Work can be done under existing routine maintenance permits.</p> | Webb Tract is one of the Eight Western Delta Islands that DWR has identified as critical to control of salinity in the Delta, protecting water quality to all water users in the state. |

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|--|-------------|----------------|-----------------------|--------------|-------------------------|----------------------|--|---|
| <b>Webb Tract: Rec. District 2026<br/>Webb Tract Bank Protection Project</b>   | <b>HMP</b>  | <b>PL84-99</b> | <b>FEMA<br/>Cert.</b> | <b>Other</b> | <b>Req.</b>             | <b>Available</b>     |  |   |
| <p>Placement of riprap on waterside slope to protect against erosion from wind and wave forces (particularly levees along the San Joaquin River and Franks Tract where fetch waves are of greatest concern).</p> | \$1 Million |                |                       |              |                         | Yes, Varies 0 to 25% | <p>Conceptual planning and engineering was done in 2006.</p> <p>Project is ready for detail design specs and bid documents. Work can be done under existing routine maintenance permits.</p> | Webb Tract is one of the Eight Western Delta Islands that DWR has identified as critical to control of salinity in the Delta, protecting water quality to all water users in the state. |

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|---|------|---------|------------|-------------|------------------|---------------------|--|--|
|   | HMP  | PL84-99 | FEMA Cert. | Other       | Req.             | Available           |  |  |
| <b>Webb Tract:<br/>Rec. Dist 2026<br/>Shallow Water Habitat<br/>Project</b>   |      |         |            |             |                  |                     |  |  |
| Conversion of existing low value aquatic habitat to higher value shallow water aquatic habitat. This will also stabilize levee system by supporting the waterside toe of the levee. |      |         |            | \$6 Million |                  | Yes, Varies 0 - 25% | Conceptual planning and engineering not complete. Project will require environmental documenation and permitting. Construction can begin in 18 to 24 months. | Webb Tract is one of the Eight Western Delta Islands that DWR has identified as critical to control of salinity in the Delta, protecting water quality to all water users in the state.<br><br>Opportunity for environmental enhancement coupled with reducing flood risk. Ten acres of shallow water habitat created to benefit limited species in the Delta. |
|   |      |         |            |             |                  |                     |  |  |

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|---|-------------|----------------|-----------------------|--------------|-------------------------|------------------|--------------------------|--|
| <b>Veale Tract:<br/>Rec, Dist 2065</b>  | <b>HMP</b>  | <b>PL84-99</b> | <b>FEMA<br/>Cert.</b> | <b>Other</b> | <b>Req.</b>             | <b>Available</b> |                          |  |
| <p>Levee Rehabilitation and Biotechnical Bank Stabilization Project</p> <p>Design and construction of improvements to rehabilitate all 5.7 miles of levee to PL-99 standards (estimated \$1.7 million) Waterside rehabilitation (\$2 million)</p> |             | \$3.7 Million  |                       |              |                         |                  |                          | This project also protects lands to the west of the reclamation district |

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|--|-------------|----------------|-----------------------|----------------|-------------------------|------------------|--|---|
| <b>Contra Costa<br/>Canal Replacement</b>  | <b>HMP</b>  | <b>PL84-99</b> | <b>FEMA<br/>Cert.</b> | <b>Other</b>   | <b>Req.</b>             | <b>Available</b> |  |   |
| <p>Replace approximately 7,000 LF of the Contra Costa Canal as Phase 2 of the Canal Replacement Project. Phase 2 would install a buried 10-foot diameter pipeline within the existing USBR right-of-way between Marsh Creek (the end of Phase 1) and Cypress Road.</p> |             |                |                       | \$24.5 Million | \$12.3 Million          | \$12.3 Million   | <p>CEQA is complete. Other permits will be secured by July 2007. Phase 1 will begin construction in Fall 2007. Phase 2 of the project could be awarded during the summer of 2007 (together with Phase 1) if funding was secured.</p> | <p>The project would provide flood control, fishery, and water quality benefits. The Phase 2 pipeline would also significantly reduce state liability associated with the future state-owned Dutch Slough Tidal Restoration Project. The restoration project would inundate wetlands near the open canal and increase seawater intrusion into CCWD's water supply unless the canal is replaced with a pipeline.</p> |

| Project Description   | Cost |         |               |       | Local Cost Share |             | Project Readiness  | Local & Regional Benefits  |
|---|------|---------|---------------|-------|------------------|-------------|--|--|
| Bethel Island: Bethel Island Municipal Improvement District   | HMP  | PL84-99 | FEMA Cert.    | Other | Req.             | Available   |  |  |
| Upgrading of 11.5 miles of levee. About 8.3 miles would be improved by driving steel sheet piles; remaining 3.2 miles upgrades with soil and cutoffs. |      |         | \$150 Million |       |                  | \$2 Million | Project ready to go; prelim studies and analysis completed | Bethel Island is one of the 8 western delta islands, that DWR has identified as critical to control of salinity in the delta, protecting water quality to all users in the state.<br><br>Bethel Island is also one of the few urbanized areas, so levee rehabilitation activities will protect lives and property as well. |

| Project Description                          | Cost     |                              |            |       | Local Cost Share |                        | Project Readiness                      | Local & Regional Benefits  |
|--|----------|------------------------------|------------|-------|------------------|------------------------|--|--|
| EBMUD: Mokelumne Aqueduct                    | HMP      | PL84-99                      | FEMA Cert. | Other | Req.             | Available              |  |  |
| Lower Roberts Island Rec Dist.#684           | Meet HMP | \$1.45 Million<br>13.7 Miles |            |       |                  |                        |  | Protects agriculture, Town of Holt, Mokelumne Aqueducts, Highway 4, BNSF Railroad, Kinder-Morgan and PG&E pipelines  |
| Lower Jones Tract, Reclamation District 2038 | Meet HMP | \$8.65 Million<br>9 Miles    |            |       |                  | \$300,000<br>'07 - '08 | Ready-waiting permits for 300K of work | Protects agriculture, Town of Holt, Mokelumne Aqueducts, Highway 4, BNSF Railroad, Kinder-Morgan and PG&E pipelines  |
| Upper Jones Tract, Reclamation District 2039 | Meet HMP | \$3.7 Million<br>4.9 Miles   |            |       |                  | \$300,000<br>'07 - '08 | Ready-waiting permits for 300K of work | Protects Agriculture, Mokelumne Aqueducts, Highway 4, BNSF Railroad, Kinder-Morgan and PG&E pipelines.   |
| Woodward Island Reclamation District 2072    | Meet HMP | \$13.7 Million<br>8.9 Miles  |            |       |                  | \$250,000<br>'07 - '08 | Ready-waiting permits for 250K of work | Protects Agriculture, Mokelumne Aqueducts, BNSF Railroad, Kinder-Morgan, PG&E pipelines, Orwood-Palm and Discovery Bay. If Woodward Island floods ground water levels at Discovery Bay (RD 0800 – Byron Tract) will be elevated to near the surface. |

| Project Description                    | Cost     |                             |            |       | Local Cost Share |                        | Project Readiness                           | Local & Regional Benefits   |
|--|----------|-----------------------------|------------|-------|------------------|------------------------|---|---|
| EBMUD: Mokelumne Aqueduct Cont.        | HMP      | PL84-99                     | FEMA Cert. | Other | Req.             | Available              |   |   |
| Orwood Tract Reclamation District 2024 | Meet HMP | \$1.6 Million<br>6.4 Miles  |            |       |                  | \$125,000<br>'07 - '08 | Ready-waiting on permits for \$125K of work | Protects Agriculture, Mokelumne Aqueducts, BNSF Railroad, Kinder-Morgan, PG&E, Transmission Agency of Northern Calif., East Bay Regional Park District, Discovery Bay and Lakes Subdivisions (Upper Orwood) from elevated ground water. |
| Palm Tract Reclamation District 2024   | Meet HMP | \$12.3 Million<br>7.5 Miles |            |       |                  | \$125,000<br>'07 - '08 | Ready-waiting permits for \$125K of work    | Protects Agriculture, Mokelumne Aqueducts, BNSF Railroad, Kinder-Morgan, PG&E, Transmission Agency of Northern Calif., East Bay Regional Park District, Discovery Bay and Lakes Subdivisions (Upper Orwood) from elevated ground water. |

| Project Description  | Cost   |         |            |       | Local Cost Share |           | Project Readiness                                      | Local & Regional Benefits   |
|--|--|---------|------------|-------|------------------|-----------|--|---|
| Jersey Island: Rec. Dist. #830   | HMP  | PL84-99 | FEMA Cert. | Other | Req.             | Available |  |   |
| 12 miles of levee rehabilitation to increase both crest elevation and geometric width to an elevation of 2 feet above 100-year flood crest covered with all weather surface; rip to protect from wind and ship-generated waves; rock splash cap.<br><br>Rehabilitate levees on Jersey Island from Station 475+00 to 590+00 | HMP plus a one foot over-build to accommodate settlement.<br><br>\$4 Million |         |            |       | \$50,000         | \$50,000  | Topographic mapping complete, engineering 90% complete | Jersey Island is one of the Eight Western Delta Islands that DWR has identified as critical to control of salinity in the Delta, protecting water quality to all water users in the state.<br><br>Jersey Island is the 2nd most western Delta island. Provides vehicular access to Bradford and Webb via the Delta Ferry Authority. Has 42" high pressure PG&E gas line easement. Has 500 kv WAPA transmission line easement. Has 500 kv PG&E transmission line easement. Protects Bethel Island, Webb, Bradford Hotchkiss and Dutch Slough from high waves and wind. |

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|---|--------------|---------|------------|-------|------------------|-----------|--|---------------------------|
|   | HMP          | PL84-99 | FEMA Cert. | Other | Req.             | Available |  |                           |
| Jersey Island:<br>Rec. Dist. #830 Cont.   |              |         |            |       |                  |           |  |                           |
| Rehabilitate levees on Jersey Island from Station 590+-- to 819+00 and )+00 to 110+00 | \$13 Million |         |            |       | \$50,000         | \$50,000  | Work dependent upon funding  |                           |
| Rehabilitate levees on Jersey Island from Station 335+00 to 475+00                    | \$6 Million  |         |            |       | \$50,000         | \$50,000  | Topographic mapping complete, additional work dependent upon funding |                           |
| Waterside Erosion Protections   | \$5 Million  |         |            |       | \$50,000         | \$50,000  | Work dependent upon funding  |                           |

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|-------------------------------------|-------------|----------------------|------------|-------|------------------|-----------|---|--|
|                                     | HMP         | PL84-99              | FEMA Cert. | Other | Req.             | Available |   |  |
| Bradford Island:<br>Rec Dist. #2059 |             |                      |            |       |                  |           |   |  |
| Rehabilitate 3.5 miles of levee     | \$4 Million | HMP plus \$1 Million |            |       |                  |           | Topographic base maps and engineering complete. Plans and specs remain to be completed. Work ready to proceed pending funding | Bradford Island is one of the 8 western delta islands, that DWR has identified as critical to control of salinity in the delta, protecting water quality for all users in the state. |

| Project Description          | Cost                                      |                       |                      |                       | Local Cost Share |      | Project Readiness   | Local & Regional Benefits  |           |
|------------------------------|---|-----------------------|----------------------|-----------------------|------------------|------|---|--|-----------|
|                              | Bradford Island:<br>Rec Dist. #2059 Cont. | HMP                   | PL84-99              | FEMA<br>Cert.         | Other            | Req. |   |  |           |
| Waterside erosion protection | \$5 Million                               |                       |                      |                       |                  |      | Bathymetric survey is complete. Work ready to proceed to construction pending funding | Levee rehabilitation would protect existing infrastructure, existing farmland & residences, and protect water quality. |           |
| <b>Subtotal</b>              | <b>\$78 Million</b>                       | <b>\$58.9 Million</b> | <b>\$150 Million</b> | <b>\$30.5 Million</b> |                  |      |   |  |           |
| <b>TOTAL</b>                 | <b>\$317.4 Million</b>                    |                       |                      |                       |                  |      |   |  |           |
|                              |   |                       |                      |                       |                  |      |   |  | 4/16/2007 |