

Figure 2. “Resilient Adaptive Delta” Map Key

- * Conduct an action-oriented staged implementation of water conveyance along South Fork of Mokelumne and Middle River. Experimentally segregate the water conveyance system and aquatic habitat by gating connections between Old and Middle Rivers, and siphoning the Victoria Canal under Old River. Manage Old River for aquatic habitat. Simultaneously intensively study design, costs and benefits of isolated conveyance channel. See vision description for more detail **(SC.1)**.
- * Improve seismic and flood safety for Highway 4, the Mokelumne Aqueduct, and the BNSF Railroad by placing in South Delta infrastructure corridor. Improve seismic and flood safety for Highway 12. Explore potential recreation and habitat benefits of setback levees underneath highways **(SC.2)**
- * Implement seismic risk reduction program on eight western islands. Explore use of cross-levees on island interiors. Explore dredging of Yolo Bypass and quarrying of Montezuma Hills to rebuild Sherman Island to sea level **(SC.3)**.
- * Enhance habitat along Old River and in west Delta with setback and/or vegetated levees. **(SC.4)**.
- * Extend Contra Costa Water District and East Contra Costa Irrigation District intakes to Middle River **(SC.5)**.
- * Restore floodplain along the Sacramento River (upstream of city of Sacramento) for the benefit of splittail and salmon, and to increase nutrient and organic carbon flows to Delta. Improve salmon spawning gravels upstream **(SC.6)**.
- * Explore infiltration of floodwaters upstream to reduce Delta flood risk and replenish Central Valley groundwater **(SC.7)**
- * Manage Yolo Bypass for splittail and salmon, and to increase nutrient and carbon flows to Delta **(SC.8)**
- * Enhance channel configuration and hydraulics of Elk, Sutter, and Steamboat Sloughs to provide alternative route for migratory fish that avoids Georgiana Slough and the Delta cross-channel **(SC.9)**
- * Improve hydraulic residence time and tidal exchange between Cache Slough and the Delta to contribute organic carbon, nutrients, and plankton to the Delta, for the benefit of Delta smelt among others. Create a hydrologic and terrestrial connection between Cache Slough and Suisun Marsh **(SC.10)**
- * Restore Mokelumne/Cosumnes floodplain and McCormack Williamson Tract. Create Stone Lakes flood bypass **(SC.11)**
- * Convert managed wetlands into tidal wetlands as habitat restoration in Suisun Marsh (currently a brackish water habitat). Restore tidal action in each region of the Marsh, as detailed in vision narrative **(SC.12)**.
- * Restore seasonal floodplain on lower San Joaquin River, including flood bypass on Paradise Cut **(SC.13)**
- * Restore tidal marsh on Decker Island, Dutch Slough, and west bank of Sacramento River **(SC.14)**
- * Purchase terrestrial habitat and wetlands easements from willing landowners. Maintain working landscapes that also serve ecological and recreational enhancement goals. Explore trail development in eastern Delta uplands **(SC.15)**
- * Explore creation of tidal habitats on selected portions of Fabian Tract and Netherlands Tract **(SC.16)**.
- * Explore controlled inundation of selected western Delta islands (especially Webb and Bacon) for operational flexibility in water management, ecosystem management and levee failure risk reduction **(SC.17)**.
- * Explore creation of perennial, non-tidal habitats on Bouldin Island, Holland Tract and elsewhere **(SC.18)**
- * Concentrate tourism and recreation investments along Hwys 160 and 12, in north Delta waterways, and in legacy towns. Permit historic sustainable growth to allow for socially and economically viable communities in legacy towns **(SC.19)**.