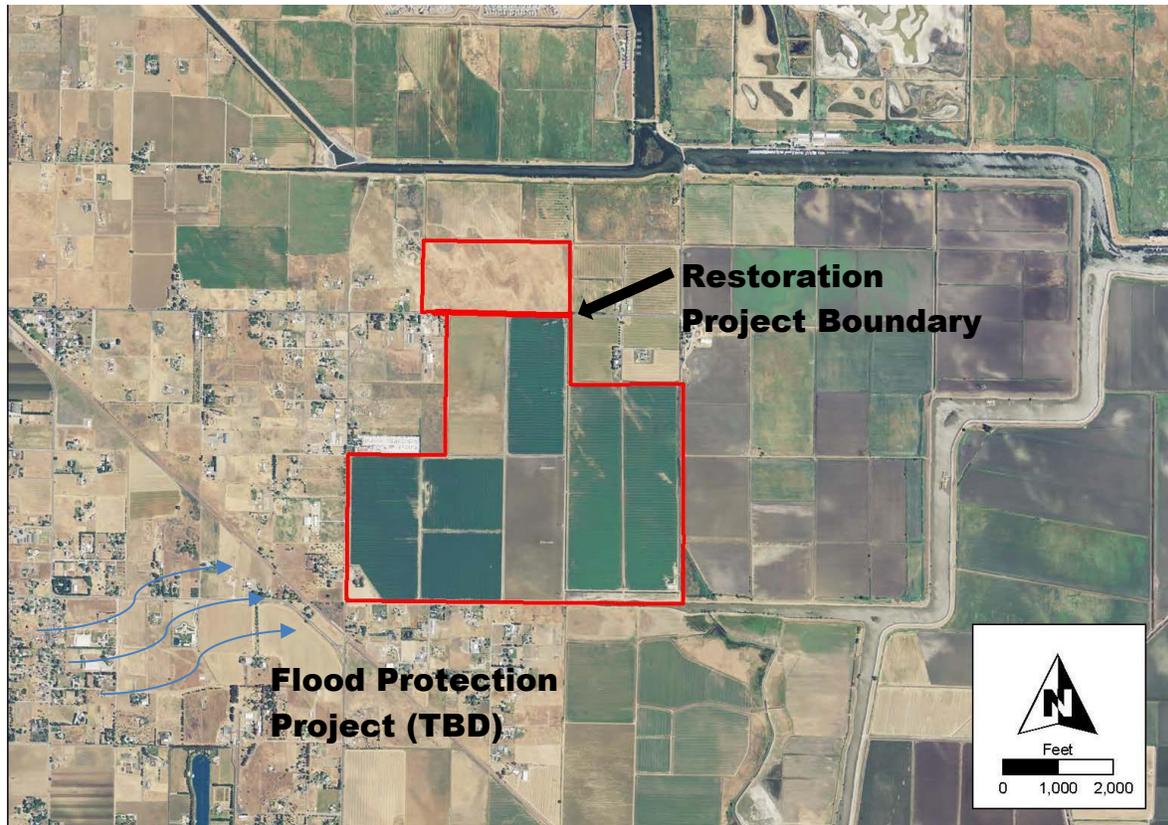


Knightsen Bio-Filter Concept
Restoration Project and Flood Protection Project
Updated May 2018



Working to improve flood protection has been an important, long-term endeavor for the community of Knightsen. After the flooding in 1997, work began to define a project that subsequently became known as the Knightsen Bio-Filter. The community has reached several milestones over the years in moving this project forward, including a 1998 drainage report, 2002 feasibility study, 2013 restoration study, and formation of the Knightsen Community Services District. The East Bay Regional Park District now owns a large property on the east edge of town and is interested in restoring it. The Knightsen Bio-Filter has since morphed into two separate projects.

Restoration Project. The property, outlined in red above, was acquired for the Park District by the East Contra Costa County Habitat Conservancy, who will also be managing the restoration project. The historic Delta shoreline bisects the property allowing restoration of tidal wetlands on one side, oak savanna on the other side, and alkali meadow habitat in the middle. There are also rare inland sand dunes on a portion of the property that offer unique habitat restoration opportunities.

Flood Protection Project. A good portion of stormwater from Knightsen drains towards the Restoration property, but not in an efficient manner. Undersized drainage pipes and a circuitous drainage route result in floodwaters backing up and community flooding. The Flood Protection project will upgrade certain drainage pipes and provide a more direct route to the Restoration property. These improvements will reduce community flooding. Once stormwater enters the Restoration property it will flow through the wetlands and be naturally treated before entering No-Name Slough.