

## **Sloan Channel**

In addition to the Flamingo Wash and Duck Creek sites, a reach of Sloan Channel was evaluated. North of the study area, Sloan Channel is concrete lined. However, through the study area, Sloan Channel is a natural material culvert. The reach utilized lies between Charleston Blvd. and the Orchard Area Conveyance, which was selected for the lack of surface inflows. The Orchard Area Conveyance is a concrete lined drainage that enters the channel from the east (Figure 12). Field investigation identified an increase in EC from 2350 to 3330  $\mu\text{S}/\text{cm}$  and visibly increased flow along this reach. An increase in EC and flow with no visible surface water inflow indicates groundwater contribution. An upgradient sample site was selected below the Charleston Blvd. overpass at the end of a lined channel (SLOAN CHAR, Figures 12 and 13). The down gradient site was selected above the confluence with the Orchard Area Conveyance (SLOAN ORCH, Figure 14). An exploratory borehole was hand augered adjacent to the Sloan Channel to determine if shallow ground water exhibited a differing chemistry to the water in the channel (SLOAN BH, Figures 15 - 17).