



Upper Diversion Weir (Las Vegas Wash)

Since the 1970s, Las Vegas Wash has experienced severe degradation and lateral erosion. The erosion destroyed most of the wetland habitat existing within the wash and significantly increased the sediment inflowing loads into Lake Mead. The Las Vegas Wash Coordination Committee was established in 1998 to develop a comprehensive plan for the wash. This plan included recommended solutions for the erosion problems and wetlands restoration. It also identified that Southern Nevada Water Authority (SNWA) should be the lead agency in implementing the plan.

SNWA has proposed to construct a total of twenty-two grade control structures for the lower reach of the wash from the Lake Las Vegas, which is just upstream of Lake Mead, to the Nature Center located about 6.6 miles upstream. Furthest upstream most structure is the Upper Diversion Weir, which will be located at the upstream end of the Nature Center. SNWA has contracted Louis Berger Group to design this structure. WEST Consultants, Inc. has been contracted by the Louis Berger Group to complete the hydraulic modeling of the wash, delineate the floodplain boundaries for the existing and proposed conditions, and to estimate the local scour downstream of the structure.



Las Vegas Wash Downstream of the Proposed Upper Diversion Weir

WEST Consultants, Inc. has also been contracted to design the East Diversion Channel. This channel will be constructed downstream of the weir structure to provide additional wetland habitat and to increase the recreational benefits at the Nature Center.

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Completion Date: *In Progress*