

# SONORAN WASH FCDMC GAGE ID# 65907

## STATION DESCRIPTION

**LOCATION** – The station is located in north Phoenix near the intersection of Paloma Parkway and Sonoran Desert Drive. Latitude 33.76925°; Longitude -112.09878°. Located in S19 T5N R3E, in the New River SE 7.5-minute quadrangle.

**ESTABLISHMENT** - The gage was installed October 13, 2015.

**DRAINAGE AREA** – 7.82 mi<sup>2</sup> via UGSG Streamstats

**GAGE** - The gage is a pressure transducer type instrument. The PT diaphragm is at gage height 1.58 feet gage height, levels of July 3, 2017.

There is one crest-stage gage at this location. It is located on the right bank near the transducer. The pin of the crest gage is at 2.01 feet gage height, levels of July 3, 2017.

There is no staff gage at this site.

**ZERO GAGE HEIGHT** – Zero gage height is defined as 1,574.850 feet NAVD88, which is currently a point below the channel bottom.

**HISTORY** – Gaging established on October 13, 2015. No previous gaging history at this location. The pressure transducer was moved to a lower elevation near the center of the channel on March 10, 2016. The transducer was moved to a higher elevation in the winter/spring of 2017. A crest gage was added in spring 2017.

### **REFERENCE MARKS**

BM-65900 is an FCDMC brass cap located just to the west of the station tube on the right (north) bank of the wash. It is at elevation 6.243 feet gage height and 1,581.273 feet NAVD88, levels of July 3, 2017.

RM-1 is a 1/2-inch rebar on the left bank of the gage cross section. It is at elevation 7.94 feet gage height and 1,582.79 feet NAVD88, levels of January 28, 2025.

RM-2 is a metal bracket in the center of the gage cross section. It is at elevation 1.26 feet gage height and 1,576.11 feet NAVD88, levels of January 28, 2025.

**CHANNEL AND CONTROL** – The channel is natural at the gage. Control for the reach is channel control at stages above about 1.0 feet gage height.

