

**FORD CANYON WASH**  
**FCD GAGE ID# 86207**

**STATION DESCRIPTION**

**LOCATION** – The gage is located within the White Tank Regional Park, about 3 miles past the park entrance. The gaging equipment is located on a wash about 1/4 mile past Ford Canyon Road. Latitude N 33° 35' 47.5"; Longitude W 112° 29' 57.7". Located in the NW1/4 SE1/4 SE1/4 S18 T3N R2W in the Waddell 7.5-minute quadrangle.

**ESTABLISHMENT** – Gaging was established on February 5, 2002.

**DRAINAGE AREA** – The drainage area is about 4.3 mi<sup>2</sup>.

**GAGE** – The gage is a pressure transducer type instrument. The transducer diaphragm is at elevation 0.72 feet gage height, levels of February 6, 2018.

There is one crest gage at this location. The pin elevation is 0.77 feet gage height, levels of February 6, 2018.

There is no staff gage at this location.

**ZERO GAGE HEIGHT** – Zero gage height is defined as elevation 1,468.067 feet NAVD88.

**HISTORY** – No previous history at this location. Gaging established on February 5, 2002. A crest gage was installed in July 2002.

**REFERENCE MARKS** –

RM-FCYN is an FCD brass cap located about 10 feet from the gage standpipe. Elevation 7.210 feet gage height, or 1,475.277 feet NAVD88, levels of February 6, 2018 and August 12, 2020.

RM-1 is a ½-inch rebar on the top of the left bank near the station tube. It is at elevation 7.663 feet gage height and 1,475.730 feet NAVD88, levels of February 6, 2018.

RM-2 is a ½-inch rebar on the top of the right bank. It is at elevation 7.590 feet gage height and 1,475.657 feet NAVD88, levels of February 6, 2018.

**CHANNEL AND CONTROL** – The channel is straight for about 400 feet downstream from the gage. Past 400 feet downstream, the channel becomes an alluvial fan.

The channel bottom is a mix of sand and cobbles. Both banks are vegetated with moderate mesquite, greasewood, and palo verde. Low flows are controlled by local riffles. Above about 1.5 feet gage height, the channel is control for all flows to about 7 feet gage height.

**RATING** – The current rating is Rating #2, applied as of October 1, 2019. It was developed from August 2020 survey data used in an HEC-RAS analysis.

**DISCHARGE MEASUREMENTS** –

Indirect measurements can be taken in the section downstream of the gage in about a 250-foot reach. This channel reach is fairly uniform and straight. Past this point, the channel begins to diverge. Alternately, the channel upstream of the road is also reasonable too.

**POINT OF ZERO FLOW** – The PZF is at about 0.7 feet gage height, levels of August 12, 2020.

**FLOODS** – The peak of record occurred on September 8, 2014 with a magnitude of 1,682 cfs and 4.37 feet gage height.

**REGULATION** – None known

**DIVERSIONS** – None known

**ACCURACY** – Fair

**UPDATE** -     August 13, 2020  
                      D E Gardner