

3.3 Vertical Datum

All FISs and FIRMs are referenced to a specific vertical datum. The vertical datum provides a starting point against which flood, ground, and structure elevations can be referenced and compared. Until recently, the standard vertical datum in use for newly created or revised FISs and FIRMs was the National Geodetic Vertical Datum of 1929 (NGVD 29). With the finalization of the North American Vertical Datum of 1988 (NAVD 88), many FIS reports and FIRMs are being prepared using NAVD 88 as the referenced vertical datum.

All flood elevations shown in this FIS report and on the FIRM are referenced to NAVD 88. Structure and ground elevations in the community must, therefore, be referenced to NAVD 88. It is important to note that adjacent communities may be referenced to NGVD 29. This may result in differences in base flood elevations across the corporate limits between the communities. The conversion factors for all detailed studied streams, with the exception of Peak View Wash and Schultz Creek, are shown in the following Table 8, "Vertical Datum Conversion Factors."

TABLE 8 – VERTICAL DATUM CONVERSION FACTORS

Baderville Tributary to Rio de Flag	3.496
Bow and Arrow Wash	3.382
Cataract Creek	3.252
Cataract Creek Tributary	3.287
Cemetery Wash	3.234
Clay Avenue Wash	3.412
Clay Avenue Wash Split Flow	3.412
Country Club Wash	3.390
Detention Basin	3.390
Fanning Drive Wash	3.458
Howard Draw Wash	3.401
Kanab Creek	2.952
Morman Lake	3.400
Munds Canyon Creek	2.842
Munds Park Wash	3.155
Oak Creek	2.837
Peaceful Valley Wash	3.398
Penstock Avenue Wash	3.435
Rio de Flag	3.461
Rio de Flag Split Flow	3.461
Santa Fe Wash East	3.238
Santa Fe Wash West	3.231
Sinclair Wash	3.388
Soldier Wash	2.648
Spruce Avenue Wash	3.380/3.460
Stoneman Lake	3.200
Switzer Canyon Wash	3.402
Tributary Number 1 to Baderville Tributary	3.506
Tributary Number 2 to Baderville Tributary	3.490
Unnamed Wash	3.390
West Street Wash	3.435

For more information on NAVD 88, see Converting the National Flood Insurance Program to the North American Vertical Datum of 1988, FEMA Publication FIA-20/June 1992, or contact the Spatial Reference System Division, National Geodetic Survey, NOAA, Silver Spring Metro Center, 1315 East-West Highway, Silver Spring, Maryland 20910 (Internet address <http://www.ngs.noaa.gov>).