

Job No.	114474	No.
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Computation

Project	Verde River FHA	Computed	JNG	Date	1/10/2011
Subject	Datum Shift from NAVD 88 to NGVD 29	Checked	MF	Date	1/10/2011
Task	Tributaries	Sheet	1	Of	1

Datum Shift Calculation from NAVD 88 to NGVD 29

Location	Latitude	Longitude	Difference (ft) (NAVD 88 minus NGVD 29)	100-yr Water Surface Elevation (ft) NAVD88	100-yr Water Surface Elevation (ft) NGVD29	Cross Section Reference
North Study Limit	34.79480	-112.051700	2.48			
Bitter Creek	34.77659	-112.047694	2.49	3372.1	3369.6	203286.40
Deception Wash	34.77007	-112.043450	2.49	3360.0	3357.5	200496.20
Del Monte Wash	34.74979	-112.022459	2.46	3302.0	3299.5	184998.10
Silver Springs Gulch	34.73257	-111.999020	2.43	3274.6	3272.2	169497.80
89A and Oak Wash	34.72120	-111.990660	2.43	3268.1	3265.7	163761.90
Zalesky Wash	34.71796	-111.989554	2.42	3266.7	3264.2	162612.40
Oak Creek	34.70713	-111.971980	2.41	3201.8	3199.4	126186.90
Cherry Creek	34.63077	-111.917982	2.39	3166.5	3164.1	105745.90
Beaver Creek	34.57376	-111.854570	2.34	3094.4	3092.0	63202.94
Copper Canyon Wash	34.54283	-111.865743	2.38	3064.2	3061.8	45248.06
Lucky Canyon Wash	34.53851	-111.868538	2.40	3059.6	3057.2	42547.58
West Clear Creek	34.50429	-111.830756	2.35	3021.6	3019.2	19947.81
South Study Limit	34.47787	-111.800265	2.29			

*Orthometric Height Conversion based on NOAA's National Geodetic Survey online calculator "Vertcon"
http://www.ngs.noaa.gov/cgi-bin/VERTCON/vert_con.pr