

which inundation will initiate, and design would allow for that flow to increase to 6,000 cfs as flow is available before overtopping the existing Fremont Weir crest.

**Table 1. HEC-RAS Model Results for Mean Depth, Area, Mean Velocity, and Water-Travel Time for Different Flows at the Modified Fremont Weir (BDCP Technical Team Draft Technical Memo #2).**

Flow	Mean depth for the entire Yolo Bypass	Surface area (from GIS mapping)	Mean velocity	Travel time
(Q) cfs	(D) ft	(A) Acres	(V) ft/s	(t) day
1,000	5.9	4,100	1.66	8.8
2,000	5.3	5,700	1.94	4.9
3,000	3.9	11,000	1.77	4.2
4,000	2.8	15,900	1.49	4.2
5,000	2.6	18,600	1.32	4.0
6,000	2.6	21,500	1.26	3.9
7,000	2.6	23,100	1.19	3.7
8,000	2.6	24,600	1.20	3.6
9,000	2.7	25,900	1.20	3.5
10,000	2.8	27,100	1.20	3.4