

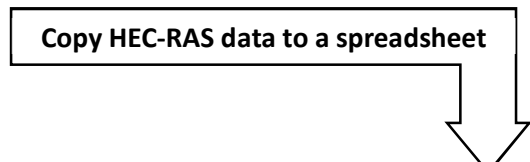
Additional Guidance for Rounding Base Flood Elevations to the Tenth

APPLIES TO MOA, CLOMR, BSR, CSR, AND PIPE DESIGN REPORTS

All flood elevations are to be rounded to the nearest one tenth of a foot (0.1 ft) as promulgated by the 2016 Guidelines for Drainage Studies and Hydraulic Design (sec 15.9). In order to maintain consistency throughout all DOT projects and be in agreement with NCFMP's practice, the following procedure should be followed to determine the reported flood elevations.

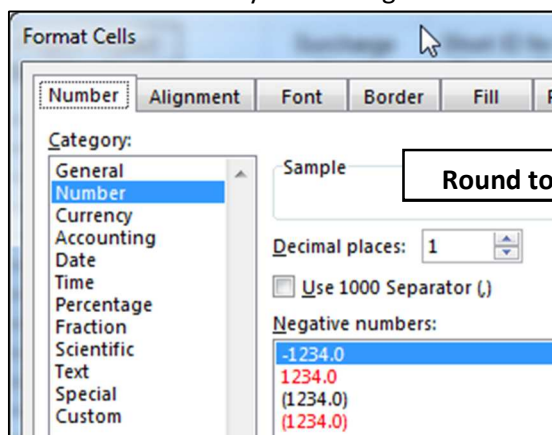
- Open the HEC-RAS Profile Output Table (displayed to two decimal places)
- Copy the data into the comparison spreadsheet

River Sta	Plan	Base WS (ft)	W.S. Elev (ft)	Prof Delta WS (ft)
18759	Dup Prelim FW	121.47	122.47	1.00
18759	Corrected FW	121.47	122.47	1.00
18759	REV FW	121.47	122.43	0.96
18683		Culvert		
18616	Dup Prelim FW	120.74	121.74	1.00
18616	Corrected FW	120.75	121.74	1.00
18616	REV FW	120.75	121.70	0.95
18343	Dup Prelim FW	120.75	121.74	0.99
18343	Corrected FW	120.75	121.74	0.99
18343	REV FW	120.75	121.70	0.95



	A	B	C	D	E
	River Sta	Plan	Base WS (ft)	W.S. Elev (ft)	Prof Delta WS (ft)
1					
2					
3	18759	Dup Prelim	121.47	122.47	1.00
4	18759	Corrected F	121.47	122.47	1.00
5	18759	REV FW	121.47	122.43	0.96
6					
7	18683		Culvert		
8					
9	18616	Dup Prelim	120.74	121.74	1.00
10	18616	Corrected F	120.75	121.74	1.00
11	18616	REV FW	120.75	121.70	0.95
12					
13	18343	Dup Prelim	120.75	121.74	0.99
14	18343	Corrected F	120.75	121.74	0.99
15	18343	REV FW	120.75	121.70	0.95

- Round to the tenth by formatting the cells to display decimal one place



	A	B	C	D	E
	River Sta	Plan	Base WS (ft)	W.S. Elev (ft)	Prof Delta WS (ft)
1					
2					
3	18759	Dup Prelim	121.5	122.5	1.0
4	18759	Corrected F	121.5	122.5	1.0
5	18759	REV FW	121.5	122.4	1.0
6					
7	18683		Culvert		
8					
9	18616	Dup Prelim	120.7	121.7	1.0
10	18616	Corrected F	120.8	121.7	1.0
11	18616	REV FW	120.8	121.7	1.0
12					
13	18343	Dup Prelim	120.8	121.7	1.0
14	18343	Corrected F	120.8	121.7	1.0
15	18343	REV FW	120.8	121.7	1.0

- Calculate the Project Impact to the BFE between the Corrected and Revised models by subtracting the Corrected BFE rounded to the tenth from the Revised BFE rounded to the tenth. If using the spreadsheet to perform the subtraction between the Corrected and Revised BFEs ensure the rounded values for the Corrected and Revised BFEs are used to calculate the result.