

**GPI Calculations**

**Greenman-Pedersen, Inc.**

Location Haverhill, MA Job Number NEX-2300100.00  
 Title Replacement of Brandy Brow Road Culvert over East Meadow River  
 Calculated By GBP Checked By \_\_\_\_\_

**Flood Plain Summary**  
**Below EL. 72.00**

Elevation	Proposed CUT Volume (CY)	Proposed FILL Volume (CY)	Net Volume (CY)
72 - 71	0	0	0
71 - 70	3	0	3
70 - 69	55	0	55
69 - 68	48	0	48
68 - 67	38	1	37
67 - 66	52	0	52
66 - 65	71	0	71
65 - 64	98	0	98
64 - 63	105	0	105
63 - 62	108	0	108
62 - 61	82	0	82
61 - 60	42	1	41
60 - 59	13	0	13
Totals	714	2	712

← **OVERALL NET INCREASE IN FLOODPLAIN STORAGE**

\* FLOODPLAIN STORAGE REQUIREMENT NOT MET AT THE FOLLOWING ELEVATION INTERVALS:

Elevation	Proposed CUT Volume (CF)	Proposed FILL Volume (CF)	Net Volume (CF)
72 - 71	0	0	0
71 - 70	81	0	81
70 - 69	1,485	0	1,485
69 - 68	1,296	0	1,296
68 - 67	1,026	27	999
67 - 66	1,404	0	1,404
66 - 65	1,917	0	1,917
65 - 64	2,646	0	2,646
64 - 63	2,835	0	2,835
63 - 62	2,916	0	2,916
62 - 61	2,214	0	2,214
61 - 60	1,134	27	1,107
60 - 59	351	0	351
Totals	19,305	54	19,251

← **OVERALL NET INCREASE IN FLOODPLAIN STORAGE**