

Appendix 1. Site Descriptions and High-Water Marks at Study Sites, Flood of June 7–9, 2008, Indiana.

[Vertical coordinate data are referenced to the North American Vertical Datum of 1988 (NAVD 88). Horizontal coordinate data are referenced to the North American Datum of 1983. Approximate quantitative indications of accuracy of high-water-mark ratings: Excellent, ± 0.02 foot; Good, ± 0.05 foot; Fair, ± 0.10 foot; and Poor, > 0.10 foot (Lumia and others, 1986); NA, not applicable; UNT, unnamed tributary; for bank of nearest watercourse, "right" and "left" refer to an observing looking in the downstream direction of the watercourse]

Community name	Elevation (feet above NAVD 88)	Latitude	Longitude	High-water-mark description	High-water-mark rating	Nearest watercourse	Bank of nearest water-course
Columbus	625.80	39° 13' 14"	85° 53' 40"	Mud line on bridge	Good	Clifty Creek	Right
Columbus	625.83	39° 13' 25"	85° 53' 34"	Mud line on bridge	Good	Clifty Creek	Right
Columbus	621.80	39° 11' 58"	85° 55' 44"	Mud line on basswood	Good	East Fork White River	Right
Columbus	621.49	39° 11' 58"	85° 55' 42"	Mud line on hackberry	Good	East Fork White River	Right
Columbus	621.62	39° 11' 57"	85° 55' 40"	Mud line on sycamore	Good	East Fork White River	Right
Columbus	621.48	39° 11' 56"	85° 55' 39"	Mud line on sycamore	Good	East Fork White River	Right
Columbus	620.98	39° 11' 55"	85° 55' 36"	Seed line on hackberry	Good	East Fork White River	Right
Columbus	620.31	39° 11' 54"	85° 55' 35"	Seed line on basswood	Good	East Fork White River	Right
Columbus	620.24	39° 11' 53"	85° 55' 32"	Seed line on hackberry	Fair	East Fork White River	Right
Columbus	620.22	39° 11' 52"	85° 55' 31"	Seed line on hackberry	Good	East Fork White River	Right
Columbus	632.09	39° 14' 20"	85° 55' 55"	Seed/Mud line on concrete block	Good	Flatrock River	Right
Columbus	632.27	39° 14' 21"	85° 55' 57"	Mud line on concrete block	Good	Flatrock River	Right
Columbus	628.85	39° 14' 12"	85° 55' 53"	Seed/Mud line on concrete block	Good	Flatrock River	Right
Columbus	629.46	39° 14' 16"	85° 55' 56"	Mud line on utility pole	Good	Flatrock River	Right
Columbus	629.61	39° 14' 17"	85° 56' 01"	Drift line on parking lot	Poor	Flatrock River	Right
Columbus	628.91	39° 14' 12"	85° 55' 51"	Mud line on tree	Poor	Flatrock River	Right
Columbus	628.21	39° 14' 12"	85° 55' 50"	Seed/Mud line on tree	Fair	Flatrock River	Right
Columbus	628.07	39° 14' 11"	85° 55' 49"	Seed/Mud line on tree	Fair	Flatrock River	Right
Columbus	629.12	39° 14' 11"	85° 55' 48"	Seed line on tree	Good	Flatrock River	Right
Columbus	628.37	39° 14' 10"	85° 55' 47"	Seed line on tree	Good	Flatrock River	Right
Columbus	629.01	39° 14' 10"	85° 55' 46"	Seed line on tree	Good	Flatrock River	Right
Columbus	629.01	39° 14' 08"	85° 55' 42"	Seed line on tree	Good	Flatrock River	Right
Columbus	629.12	39° 14' 09"	85° 55' 59"	Mud line on fence	Good	Flatrock River	Left
Columbus	629.05	39° 14' 09"	85° 55' 56"	Mud line on building	Good	Flatrock River	Left
Columbus	631.46	39° 14' 07"	85° 55' 36"	Mud line in grass	Fair	Flatrock River	Left
Columbus	631.21	39° 14' 05"	85° 55' 32"	Mud line in road	Fair	Flatrock River	Left
Columbus	631.29	39° 13' 58"	85° 55' 19"	Mud line in riprap	Fair	Flatrock River	Left
Columbus	631.53	39° 14' 03"	85° 55' 22"	Mud line on tree	Fair	Flatrock River	Left
Columbus	631.83	39° 14' 04"	85° 55' 23"	Mud line in yard	Good	Flatrock River	Left
Columbus	631.55	39° 14' 04"	85° 55' 23"	Mud line on tree	Good	Flatrock River	Left
Columbus	631.58	39° 14' 09"	85° 55' 21"	Mud line on light pole	Good	Flatrock River	Left
Columbus	631.39	39° 14' 11"	85° 55' 23"	Mud line on tree	Fair	Flatrock River	Left
Columbus	631.58	39° 14' 10"	85° 55' 21"	Mud line on lamp post	Good	Flatrock River	Left
Columbus	631.27	39° 14' 10"	85° 55' 20"	Mud line in yard	Good	Flatrock River	Left
Columbus	631.47	39° 13' 59"	85° 55' 21"	Mud line on road	Poor	Flatrock River	Left
Columbus	632.88	39° 14' 27"	85° 56' 06"	Mud line in yard	Good	Flatrock River	Left
Columbus	630.63	39° 14' 05"	85° 55' 32"	Mud line on road	Poor	Flatrock River	Left
Columbus	626.72	39° 13' 56"	85° 55' 19"	Mud line on pole	Good	Flatrock River	Left
Columbus	627.33	39° 13' 55"	85° 55' 20"	Mud line on grass	Fair	Flatrock River	Left
Columbus	628.59	39° 14' 06"	85° 55' 36"	Mud line on grass	Poor	Flatrock River	Left
Columbus	631.23	39° 13' 58"	85° 55' 22"	Mud line on road	Poor	Flatrock River	Left
Columbus	628.27	39° 13' 51"	85° 55' 20"	Drift line in yard	Poor	Flatrock River	Right
Columbus	627.42	39° 13' 43"	85° 55' 24"	Debris line on bank	Poor	Flatrock River	Right
Columbus	623.97	39° 12' 38"	85° 55' 44"	Mud line on building	Fair	Flatrock River	Right
Columbus	624.04	39° 12' 39"	85° 55' 45"	Mud line on building	Fair	Flatrock River	Left
Columbus	623.08	39° 12' 23"	85° 55' 39"	Mud line on utility box	Good	Flatrock River	Left
Columbus	625.03	39° 12' 55"	85° 55' 23"	Mud line on garage door	Good	Flatrock River	Left
Columbus	625.03	39° 12' 54"	85° 55' 23"	Mud line on fence	Good	Flatrock River	Left
Columbus	626.41	39° 13' 15"	85° 55' 21"	Mud line on fence	Good	Flatrock River	Right
Columbus	633.20	39° 13' 14"	85° 53' 40"	Mud line on garage	Good	Haw Creek	Right
Columbus	637.32	39° 13' 25"	85° 53' 34"	Mud line on window	Good	Haw Creek	Left
Columbus	627.72	39° 12' 30"	85° 53' 58"	Mud line on garage	Excellent	Haw Creek	Right
Columbus	629.63	39° 12' 56"	85° 53' 49"	Mud line on door opening	Good	Haw Creek	Right
Columbus	629.52	39° 12' 57"	85° 53' 56"	Seed line on sign post	Good	Haw Creek	Right
Columbus	629.09	39° 12' 57"	85° 53' 55"	Mud line on utility box	Good	Haw Creek	Left
Columbus	628.97	39° 12' 58"	85° 53' 55"	Mud line on building	Good	Haw Creek	Left
Columbus	620.23	39° 11' 58"	85° 54' 35"	Mud line on building	Good	Haw Creek	Right
Columbus	625.35	39° 12' 15"	85° 54' 13"	Mud line on fence	Good	Haw Creek	Left
Columbus	627.89	39° 12' 32"	85° 54' 04"	Mud line on church	Good	Haw Creek	Left
Columbus	642.64	39° 14' 15"	85° 53' 00"	Seed line on minibarn	Good	Haw Creek	Left
Columbus	638.28	39° 13' 36"	85° 53' 20"	Seed line on minibarn	Good	Haw Creek	Left
Columbus	632.88	39° 13' 07"	85° 53' 44"	Mud line on utility box	Good	Haw Creek	Right

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Community name	Elevation (feet above NAVD 88)	Latitude	Longitude	High-water-mark description	High-water-mark rating	Nearest watercourse	Bank of nearest water-course
Columbus	617.23	39° 11' 52"	85° 54' 32"	Mud line on minibarn	Fair	Haw Creek	Left
Columbus	621.70	39° 12' 01"	85° 54' 42"	Mud line on grain elevator	Good	Haw Creek	Right
Edinburgh	660.19	39° 21' 19"	85° 58' 37"	Mud line on abutment	Good	Blue River	Left
Edinburgh	660.18	39° 21' 19"	85° 58' 37"	Mud line on abutment	Good	Blue River	Left
Edinburgh	655.27	39° 20' 22"	85° 59' 11"	Debris line on road grade	Poor	Driftwood River	Left
Edinburgh	655.03	39° 20' 22"	85° 59' 11"	Debris line on road grade	Poor	Driftwood River	Left
Edinburgh	654.90	39° 20' 22"	85° 59' 10"	Debris line on road grade	Poor	Driftwood River	Left
Edinburgh	653.87	39° 20' 21"	85° 59' 08"	Mud line on RV electric box	Fair	Driftwood River	Left
Edinburgh	668.74	39° 20' 49"	85° 57' 42"	Seed line on tree	Good	East Side Swale	Left
Edinburgh	668.76	39° 20' 54"	85° 57' 42"	Seed line on utility pole	Fair	East Side Swale	Left
Edinburgh	668.80	39° 20' 57"	85° 57' 44"	Seed line on building	Good	East Side Swale	Left
Edinburgh	668.80	39° 21' 03"	85° 57' 37"	Seed line on hydrant	Good	East Side Swale	Left
Edinburgh	668.83	39° 21' 05"	85° 57' 32"	Seed line on utility pole	Fair	East Side Swale	Left
Edinburgh	669.08	39° 21' 09"	85° 57' 25"	Mud line on shed	Good	East Side Swale	Left
Edinburgh	669.11	39° 21' 11"	85° 57' 20"	Mud line on shed	Good	East Side Swale	Left
Edinburgh	669.04	39° 21' 13"	85° 57' 17"	Mud line on tree	Good	East Side Swale	Left
Edinburgh	668.72	39° 20' 51"	85° 57' 38"	Mud line on fence	Good	East Side Swale	Right
Edinburgh	668.53	39° 20' 54"	85° 57' 38"	Debris line on utility pole	Good	East Side Swale	Right
Edinburgh	667.94	39° 20' 55"	85° 57' 39"	Mud line on road	Fair	East Side Swale	Right
Edinburgh	668.72	39° 20' 57"	85° 57' 37"	Mud line on shed	Good	East Side Swale	Right
Edinburgh	668.82	39° 21' 01"	85° 57' 37"	Mud line on garage	Good	East Side Swale	Right
Edinburgh	668.75	39° 21' 04"	85° 57' 33"	Mud line on utility pole	Good	East Side Swale	Right
Edinburgh	668.77	39° 21' 08"	85° 57' 25"	Mud line in yard	Fair	East Side Swale	Right
Edinburgh	685.41	39° 25' 05"	86° 00' 20"	Mud line on tree	Good	Youngs Creek	Right
Edinburgh	685.40	39° 25' 06"	86° 00' 20"	Seed line on tree	Good	Youngs Creek	Right
Edinburgh	685.50	39° 25' 08"	86° 00' 20"	Mud line on bridge	Good	Youngs Creek	Right
Edinburgh	685.29	39° 25' 12"	86° 00' 21"	Seed line on tree	Fair	Youngs Creek	Right
Edinburgh	685.51	39° 25' 09"	86° 00' 20"	Seed line on tree	Good	Youngs Creek	Right
Edinburgh	685.32	39° 25' 08"	86° 00' 20"	Mud line on bridge	Poor	Youngs Creek	Right
Edinburgh	684.75	39° 25' 07"	86° 00' 16"	Debris line on sycamore	Poor	Youngs Creek	Left
Edinburgh	684.79	39° 25' 07"	86° 00' 16"	Debris line on tree	Poor	Youngs Creek	Left
Edinburgh	685.46	39° 25' 07"	86° 00' 16"	HWM cap set by someone else	Poor	Youngs Creek	Left
Edinburgh	685.34	39° 25' 07"	86° 00' 16"	Mud line on tree	Poor	Youngs Creek	Left
Edinburgh	685.38	39° 25' 07"	86° 00' 16"	Mud line on tree	Poor	Youngs Creek	Left
Edinburgh	685.44	39° 25' 07"	86° 00' 16"	Mud line on tree	Fair	Youngs Creek	Left
Edinburgh	684.71	39° 25' 07"	86° 00' 15"	Mud line on ground	Fair	Youngs Creek	Left
Edinburgh	685.22	39° 25' 08"	86° 00' 15"	Mud line on side of road	Fair	Youngs Creek	Left
Edinburgh	685.76	39° 25' 08"	86° 00' 15"	Mud line on tree	Fair	Youngs Creek	Left
Edinburgh	685.38	39° 25' 08"	86° 00' 15"	Mud line on tree	Fair	Youngs Creek	Left
Edinburgh	685.77	39° 25' 09"	86° 00' 15"	Mud line on tree	Fair	Youngs Creek	Left
Edinburgh	685.57	39° 25' 09"	86° 00' 15"	HWM cap set by someone else	Poor	Youngs Creek	Left
Edinburgh	685.66	39° 25' 09"	86° 00' 15"	Mud line on tree	Poor	Youngs Creek	Left
Edinburgh	685.38	39° 25' 10"	86° 00' 15"	Mud line on tree	Fair	Youngs Creek	Left
Edinburgh	685.80	39° 25' 10"	86° 00' 15"	Mud line on tree	Fair	Youngs Creek	Left
Edinburgh	684.98	39° 25' 08"	86° 00' 22"	Mud line on road	Poor	Youngs Creek	Right
Edinburgh	684.05	39° 25' 07"	86° 00' 22"	Mud line on road	Poor	Youngs Creek	Right
Edinburgh	684.75	39° 25' 07"	86° 00' 37"	Debris line on road	Fair	Youngs Creek	Right
Edinburgh	684.88	39° 25' 07"	86° 00' 37"	Mud line on ground	Fair	Youngs Creek	Right
Edinburgh	684.58	39° 25' 08"	86° 00' 36"	Debris line in fence row	Fair	Youngs Creek	Right
Edinburgh	683.95	39° 25' 07"	86° 00' 37"	Debris line on road	Fair	Youngs Creek	Right
Elnora	478.44	38° 52' 37"	87° 05' 10"	Mud line on barn	Good	White River	Left
Elnora	478.46	38° 52' 36"	87° 05' 09"	Mud line on house	Good	White River	Left
Elnora	477.95	38° 52' 36"	87° 05' 10"	Mud line on stop sign	Good	White River	Left
Elnora	478.22	38° 52' 39"	87° 05' 11"	Mud line on house	Good	White River	Left
Franklin	765.75	39° 31' 17"	86° 03' 39"	Seed line on basswood tree	Excellent	Canary Ditch	Left
Franklin	765.96	39° 31' 16"	86° 03' 39"	Mud line on basswood tree	Excellent	Canary Ditch	Left
Franklin	762.30	39° 31' 12"	86° 03' 40"	Seed line on ash tree	Fair	Canary Ditch	Left
Franklin	762.00	39° 31' 10"	86° 03' 43"	Seed line on basswood tree	Excellent	Canary Ditch	Right
Franklin	752.10	39° 30' 19"	86° 03' 37"	Mud line on elm	Fair	Canary Ditch	Left
Franklin	752.56	39° 30' 18"	86° 03' 40"	Drift line on maple	Fair	Canary Ditch	Left
Franklin	752.22	39° 30' 17"	86° 03' 41"	Seed line on utility pole	Fair	Canary Ditch	Left
Franklin	748.65	39° 29' 57"	86° 04' 00"	Drift line on concrete headwall	Fair	Canary Ditch	Left

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Community name	Elevation (feet above NAVD 88)	Latitude	Longitude	High-water-mark description	High-water-mark rating	Nearest watercourse	Bank of nearest water-course
Franklin	748.25	39° 29' 57"	86° 04' 00"	Drift line on utility pole	Poor	Canary Ditch	Right
Franklin	746.62	39° 29' 52"	86° 04' 05"	Mud line on mulberry tree	Poor	Canary Ditch	Right
Franklin	743.63	39° 29' 24"	86° 04' 26"	Drift line on crab apple	Poor	Canary Ditch	Left
Franklin	743.46	39° 29' 25"	86° 04' 27"	Seed line on maple	Fair	Canary Ditch	Right
Franklin	742.62	39° 29' 21"	86° 04' 34"	Seed line on hickory	Fair	Canary Ditch	Left
Franklin	743.02	39° 29' 17"	86° 05' 01"	Seed line on north concrete bridge seat	Good	Canary Ditch	Right
Franklin	742.98	39° 29' 17"	86° 05' 02"	Seed line on north concrete bridge seat	Good	Canary Ditch	Right
Franklin	746.98	39° 29' 54"	86° 04' 01"	Drift line marked with stake	Fair	Canary Ditch	Left
Franklin	748.56	39° 29' 57"	86° 03' 59"	Seed line on minibarn	Good	Canary Ditch	Left
Franklin	747.35	39° 29' 57"	86° 04' 01"	Wash line on wingwall	Fair	Canary Ditch	Right
Franklin	723.49	39° 28' 47"	86° 03' 01"	Seed line on spruce	Excellent	Hurricane Creek	Right
Franklin	723.45	39° 28' 47"	86° 03' 00"	Seed line on hackberry	Excellent	Hurricane Creek	Right
Franklin	724.51	39° 28' 47"	86° 02' 58"	Seed line on sycamore	Fair	Hurricane Creek	Right
Franklin	725.47	39° 28' 49"	86° 02' 55"	Seed line on hackberry	Fair	Hurricane Creek	Left
Franklin	725.62	39° 28' 49"	86° 02' 52"	Seed line on maple	Good	Hurricane Creek	Left
Franklin	725.83	39° 28' 50"	86° 02' 53"	Seed line on sycamore	Fair	Hurricane Creek	Left
Franklin	725.85	39° 28' 51"	86° 02' 53"	Seed line on mulberry	Fair	Hurricane Creek	Right
Franklin	726.04	39° 28' 52"	86° 02' 53"	Mud line on building	Excellent	Hurricane Creek	Right
Franklin	726.16	39° 28' 54"	86° 02' 52"	Seed line on maple	Good	Hurricane Creek	Right
Franklin	726.15	39° 28' 55"	86° 02' 50"	Mud line on elm	Good	Hurricane Creek	Right
Franklin	726.35	39° 28' 56"	86° 02' 50"	Mud line on utility pole	Good	Hurricane Creek	Right
Franklin	726.25	39° 28' 57"	86° 02' 50"	Mud line on guardrail	Fair	Hurricane Creek	Right
Franklin	726.26	39° 29' 58"	86° 02' 51"	Mud line on utility pole	Excellent	Hurricane Creek	Right
Franklin	726.37	39° 28' 59"	86° 02' 51"	Mud line on utility pole	Excellent	Hurricane Creek	Right
Franklin	726.56	39° 29' 05"	86° 02' 36"	Mud line on utility pole	Good	Hurricane Creek	Left
Franklin	726.64	39° 29' 08"	86° 02' 34"	Mud line on utility pole	Excellent	Hurricane Creek	Left
Franklin	727.75	39° 29' 21"	86° 02' 14"	Seed line on mulberry	Fair	Hurricane Creek	Left
Franklin	728.64	39° 29' 21"	86° 02' 14"	Seed line on basswood	Fair	Hurricane Creek	Left
Franklin	729.31	39° 29' 27"	86° 02' 05"	Drift line on boxelder	Fair	Hurricane Creek	Left
Franklin	729.42	39° 29' 29"	86° 02' 05"	Mud line on ash	Good	Hurricane Creek	Right
Franklin	729.65	39° 29' 29"	86° 02' 02"	Drift line on ash	Good	Hurricane Creek	Left
Franklin	729.86	39° 29' 30"	86° 02' 01"	Drift line on hackberry	Fair	Hurricane Creek	Left
Franklin	732.59	39° 29' 54"	86° 01' 35"	Drift line on locust	Good	Hurricane Creek	Right
Franklin	732.57	39° 29' 53"	86° 01' 34"	Mud line on crabapple	Good	Hurricane Creek	Right
Franklin	736.00	39° 30' 27"	86° 01' 33"	Mud line on oak	Good	Hurricane Creek	Right
Franklin	736.48	39° 30' 31"	86° 01' 32"	Seed line on ash	Good	Hurricane Creek	Left
Franklin	727.08	39° 28' 48"	86° 03' 26"	Mud line on window	Good	UNT Youngs Creek	NA
Franklin	727.82	39° 29' 05"	86° 03' 12"	Seed line on minibarn	Good	UNT Youngs Creek	NA
Franklin	727.10	39° 28' 56"	86° 03' 23"	Seed line on window	Good	UNT Youngs Creek	NA
Franklin	767.15	39° 30' 50"	86° 06' 56"	Seed line on hackberry	Good	Youngs Creek	Left
Franklin	766.55	39° 30' 49"	86° 06' 55"	Seed line	Poor	Youngs Creek	Left
Franklin	766.62	39° 30' 49"	86° 06' 55"	Mud line on wingwall	Poor	Youngs Creek	Left
Franklin	764.81	39° 30' 49"	86° 06' 52"	Seed line on boxelder	Good	Youngs Creek	Left
Franklin	767.57	39° 30' 52"	86° 06' 54"	Seed line on hackberry	Excellent	Youngs Creek	Left
Franklin	767.04	39° 30' 51"	86° 06' 56"	Seed line on hackberry	Good	Youngs Creek	Left
Franklin	764.88	39° 30' 28"	86° 06' 48"	Seed line on locust	Excellent	Youngs Creek	Right
Franklin	764.78	39° 30' 26"	86° 06' 48"	Seed line on locust	Excellent	Youngs Creek	Right
Franklin	764.62	39° 30' 25"	86° 06' 48"	Seed line on hackberry	Excellent	Youngs Creek	Right
Franklin	764.81	39° 30' 25"	86° 06' 49"	Seed line on hackberry	Excellent	Youngs Creek	Right
Franklin	757.29	39° 29' 34"	86° 06' 14"	Seed line on hackberry	Good	Youngs Creek	Left
Franklin	756.58	39° 29' 35"	86° 06' 12"	Seed line on boxelder	Good	Youngs Creek	Left
Franklin	756.05	39° 29' 36"	86° 06' 10"	Mud line on garage door	Excellent	Youngs Creek	Left
Franklin	755.05	39° 29' 37"	86° 06' 07"	Mud line on fence	Good	Youngs Creek	Left
Franklin	742.97	39° 29' 03"	86° 05' 11"	Seed line on catalpa	Good	Youngs Creek	Left
Franklin	742.94	39° 29' 02"	86° 05' 12"	Seed line on ash	Good	Youngs Creek	Left
Franklin	742.40	39° 29' 00"	86° 05' 18"	Mud line on tree	Good	Youngs Creek	Left
Franklin	742.32	39° 29' 01"	86° 05' 20"	Seed line on maple	Good	Youngs Creek	Left
Franklin	738.55	39° 28' 36"	86° 05' 45"	Seed line on hackberry	Good	Youngs Creek	Left
Franklin	735.38	39° 28' 35"	86° 05' 45"	Seed line on boxelder	Good	Youngs Creek	Left
Franklin	729.20	39° 28' 42"	86° 03' 55"	Seed line on utility pole	Excellent	Youngs Creek	Left
Franklin	729.22	39° 28' 41"	86° 03' 54"	Seed line on maple	Excellent	Youngs Creek	Left
Franklin	728.48	39° 28' 45"	86° 03' 47"	Seed line on boxelder	Good	Youngs Creek	Left

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Franklin	728.33	39° 28' 45"	86° 03' 47"	Seed line on sycamore	Poor	Youngs Creek	Left
Franklin	725.85	39° 28' 40"	86° 03' 20"	Mud line on garage	Poor	Youngs Creek	Left
Franklin	725.15	39° 28' 39"	86° 03' 20"	Seed line on locust	Good	Youngs Creek	Left
Franklin	726.01	39° 28' 40"	86° 03' 18"	Seed line on window	Excellent	Youngs Creek	Left
Franklin	724.86	39° 28' 42"	86° 03' 11"	Mud line on building	Excellent	Youngs Creek	Left
Franklin	725.27	39° 28' 43"	86° 03' 11"	Mud line on maple	Good	Youngs Creek	Left
Franklin	724.45	39° 28' 42"	86° 03' 09"	Seed line on maple	Good	Youngs Creek	Left
Franklin	723.17	39° 28' 36"	86° 03' 04"	Mud line on shelter	Excellent	Youngs Creek	Right
Franklin	721.45	39° 28' 33"	86° 02' 54"	Drift line on locust	Good	Youngs Creek	Left
Franklin	720.79	39° 28' 33"	86° 02' 54"	Seed line on elm	Fair	Youngs Creek	Left
Franklin	721.08	39° 28' 31"	86° 02' 53"	Drift line on tree	Poor	Youngs Creek	Left
Franklin	708.46	39° 27' 04"	86° 02' 01"	Drift line on hackberry	Good	Youngs Creek	Left
Franklin	708.34	39° 27' 03"	86° 02' 03"	Seed line on a hackberry	Fair	Youngs Creek	Left
Franklin	705.71	39° 27' 02"	86° 02' 04"	Drift line on ash	Good	Youngs Creek	Left
Franklin	705.23	39° 27' 01"	86° 02' 04"	Drift line on buckeye	Good	Youngs Creek	Left
Franklin	702.43	39° 26' 30"	86° 01' 37"	Seed line on ash	Fair	Youngs Creek	Left
Franklin	701.51	39° 26' 29"	86° 01' 39"	Mud line on elm	Fair	Youngs Creek	Left
Franklin	702.47	39° 26' 28"	86° 01' 39"	Mud line on hackberry	Good	Youngs Creek	Left
Franklin	687.33	39° 25' 36"	86° 00' 43"	Seed line on sycamore	Good	Youngs Creek	Right
Franklin	686.78	39° 25' 35"	86° 00' 41"	Mud line on hackberry	Good	Youngs Creek	Right
Franklin	686.68	39° 25' 34"	86° 00' 41"	Seed line on wingwall	Excellent	Youngs Creek	Right
Franklin	686.96	39° 25' 33"	86° 00' 40"	Seed line boxelder	Good	Youngs Creek	Right
Franklin	685.56	39° 25' 09"	86° 00' 15"	Mud line on hackberry	Good	Youngs Creek	Right
Franklin	685.32	39° 25' 06"	86° 00' 17"	Seed line on hackberry	Good	Youngs Creek	Left
Franklin	684.19	39° 24' 42"	86° 00' 34"	Seed line on tree	Fair	Youngs Creek	Right
Franklin	684.36	39° 24' 42"	86° 00' 34"	Seed line on tree	Poor	Youngs Creek	Right
Franklin	683.33	39° 24' 41"	86° 00' 34"	Seed line on sycamore	Good	Youngs Creek	Right
Franklin	683.42	39° 24' 41"	86° 00' 34"	Mud line on hackberry	Excellent	Youngs Creek	Right
Franklin	678.53	39° 24' 10"	86° 00' 22"	Seed line on maple	Good	Youngs Creek	Right
Franklin	679.44	39° 24' 11"	86° 00' 23"	Mud line on elm	Fair	Youngs Creek	Right
Martinsville	654.87	39° 25' 44"	86° 24' 21"	Debris line	Fair	Sartor Ditch	Right
Martinsville	653.95	39° 25' 44"	86° 24' 20"	Reed pile	Fair	Sartor Ditch	Right
Martinsville	653.89	39° 25' 43"	86° 24' 21"	Debris line	Fair	Sartor Ditch	Left
Martinsville	653.84	39° 25' 44"	86° 24' 22"	Debris line	Fair	Sartor Ditch	Right
Martinsville	617.96	39° 25' 32"	86° 24' 47"	Seed line on fence post	Good	Sartor Ditch	Left
Martinsville	618.29	39° 25' 32"	86° 24' 47"	Seed line on utility pole	Good	Sartor Ditch	Left
Martinsville	618.80	39° 25' 32"	86° 24' 47"	Seed line on utility pole	Good	Sartor Ditch	Left
Martinsville	616.08	39° 25' 30"	86° 24' 48"	Seed line in pole	Good	Sartor Ditch	Right
Martinsville	606.28	39° 25' 12"	86° 24' 51"	Seed line on garage door	Good	Sartor Ditch	Right
Martinsville	606.37	39° 25' 01"	86° 24' 51"	Seed line in tree	Fair	Sartor Ditch	Left
Martinsville	603.09	39° 24' 52"	86° 25' 00"	Mud line on minibarn	Good	Sartor Ditch	Left
Martinsville	603.01	39° 24' 52"	86° 25' 30"	Mud line on Kroger	Good	Sartor Ditch	Left
Martinsville	603.68	39° 24' 42"	86° 25' 22"	Mud line on building	Good	Sartor Ditch	Left
Martinsville	601.43	39° 24' 24"	86° 25' 54"	Mud line on downspout	Good	Sartor Ditch	Right
Martinsville	604.31	39° 25' 01"	86° 24' 51"	Seed line on tree	Poor	Sartor Ditch	Left
Martinsville	598.71	39° 26' 10"	86° 27' 06"	Drift line on utility pole	Excellent	White River	Right
Martinsville	598.51	39° 26' 09"	86° 27' 02"	Drift line on post	Good	White River	Right
Martinsville	598.35	39° 26' 06"	86° 27' 09"	Seed line on sycamore	Good	White River	Right
Martinsville	598.31	39° 26' 05"	86° 27' 07"	Drift line on ash	Good	White River	Right
Paragon	580.55	39° 23' 46"	86° 33' 30"	Seed line in garage	Good	NA	NA
Paragon	580.60	39° 23' 54"	86° 33' 32"	Seed line in minibarn	Good	NA	NA
Paragon	579.54	39° 23' 42"	86° 33' 56"	Oil line on workbench	Fair	NA	NA
Paragon	580.39	39° 23' 47"	86° 33' 41"	Mud line on woodstove	Good	NA	NA
Paragon	580.43	39° 23' 45"	86° 33' 40"	Seed line inside garage	Good	NA	NA
Paragon	579.04	39° 23' 34"	86° 34' 11"	Mud line on building	Good	NA	NA
Seymour	578.27	38° 59' 53"	85° 53' 25"	Drift line on hackberry	Poor	East Fork White River	Left
Seymour	578.69	38° 59' 54"	85° 53' 27"	Mud line on hackberry	Poor	East Fork White River	Left
Seymour	577.78	38° 53' 32"	85° 53' 32"	Drift line on hackberry	Poor	East Fork White River	Left
Seymour	577.03	38° 53' 34"	85° 53' 34"	Drift line on hackberry	Fair	East Fork White River	Left
Seymour	574.55	38° 53' 37"	85° 53' 37"	Drift line on elm	Fair	East Fork White River	Left
Seymour	574.69	38° 59' 28"	85° 53' 39"	Drift line on elm	Fair	East Fork White River	Left
Seymour	574.00	38° 59' 28"	85° 53' 42"	Drift line on elm	Fair	East Fork White River	Left

Appendix 1. Site Descriptions and High-Water Marks at Study Sites, Flood of June 7–9, 2008, Indiana.

[Vertical coordinate data are referenced to the North American Vertical Datum of 1988 (NAVD 88). Horizontal coordinate data are referenced to the North American Datum of 1983. Approximate quantitative indications of accuracy of high-water-mark ratings: Excellent, ± 0.02 foot; Good, ± 0.05 foot; Fair, ± 0.10 foot; and Poor, > 0.10 foot (Lumia and others, 1986); NA, not applicable; UNT, unnamed tributary; for bank of nearest watercourse, "right" and "left" refer to an observing looking in the downstream direction of the watercourse]

Community name	Elevation (feet above NAVD 88)	Latitude	Longitude	High-water-mark description	High-water-mark rating	Nearest watercourse	Bank of nearest water-course
Seymour	574.08	38° 59' 27"	85° 53' 43"	Drift line on sycamore	Fair	East Fork White River	Left
Seymour	572.01	38° 59' 15"	85° 53' 54"	Mud line on cottonwood	Poor	East Fork White River	Left
Seymour	573.66	38° 59' 14"	85° 53' 52"	Drift line on wingwall	Fair	East Fork White River	Left
Seymour	573.51	38° 59' 13"	85° 53' 52"	Drift line on wingwall	Fair	East Fork White River	Left
Seymour	573.12	38° 59' 11"	85° 53' 53"	Drift line on hackberry	Fair	East Fork White River	Left
Seymour	566.68	38° 58' 26"	85° 55' 42"	Seed line on sycamore	Fair	East Fork White River	Left
Seymour	566.74	38° 58' 24"	85° 55' 42"	Mud line on tree	Good	East Fork White River	Left
Seymour	566.40	38° 58' 21"	85° 55' 43"	Mud line on boxelder	Good	East Fork White River	Left
Seymour	566.20	38° 58' 20"	85° 55' 44"	Seed line on maple	Good	East Fork White River	Left
Seymour	563.10	38° 57' 25"	85° 56' 04"	Mud line on maple	Fair	East Fork White River	Left
Seymour	562.70	38° 57' 25"	85° 56' 07"	Seed line on boxelder	Fair	East Fork White River	Left
Seymour	563.20	38° 57' 23"	85° 56' 09"	Mud line on walnut	Fair	East Fork White River	Left
Seymour	562.70	38° 57' 21"	85° 56' 11"	Mud line on utility pole	Poor	East Fork White River	Left
Spencer	554.34	39° 17' 07"	86° 45' 08"	Seed line on elm	Good	White River	Right
Spencer	554.87	39° 17' 06"	86° 45' 12"	Drift line on fence	Good	White River	Right
Spencer	554.56	39° 17' 05"	86° 45' 17"	Mud line on post	Good	White River	Right
Spencer	554.59	39° 17' 02"	86° 45' 20"	Drift line on utility pole	Good	White River	Right
Spencer	553.96	39° 16' 60"	86° 45' 26"	Drift line on utility pole	Good	White River	Right
Spencer	554.33	39° 16' 59"	86° 45' 28"	Seed line on hackberry	Good	White River	Right
Spencer	553.60	39° 16' 53"	86° 45' 32"	Seed line on utility pole	Good	White River	Right
Spencer	553.29	39° 16' 53"	86° 45' 36"	Seed line on utility pole	Good	White River	Right
Spencer	552.55	39° 16' 53"	86° 45' 49"	Seed line on utility pole	Good	White River	Right
Spencer	552.36	39° 16' 53"	86° 45' 51"	Mud line on utility pole	Good	White River	Right
Spencer	552.30	39° 16' 53"	86° 45' 51"	Mud line on art building	Good	White River	Right
Spencer	552.11	39° 16' 47"	86° 45' 47"	Drift line on sycamore	Good	White River	Left
Spencer	552.44	39° 16' 47"	86° 45' 49"	Drift line on sycamore	Good	White River	Left
Spencer	551.71	39° 16' 48"	86° 45' 54"	Drift line on mulberry	Good	White River	Left
Spencer	553.69	39° 16' 40"	86° 45' 39"	Drift line on elm	Good	White River	Left
Spencer	551.50	39° 16' 39"	86° 45' 44"	Mud line on garage	Good	White River	Left
Spencer	553.30	39° 16' 43"	86° 45' 42"	Mud line on garage	Excellent	White River	Left
Spencer	550.35	39° 16' 43"	86° 45' 44"	Mud line on post	Good	White River	Left
Spencer	551.71	39° 16' 59"	86° 46' 08"	Drift line on pine	Good	White River	Right
Spencer	551.50	39° 17' 10"	86° 46' 27"	Mud line on fence post	Excellent	White River	Left
Spencer	551.71	39° 17' 10"	86° 46' 30"	Mud line on utility pole	Good	White River	Right
Spencer	551.80	39° 17' 02"	86° 46' 37"	Mud line on doors of complex	Excellent	White River	Left
Spencer	551.77	39° 17' 17"	86° 46' 32"	Seed line on tree	Good	White River	Left
Spencer	551.70	39° 17' 15"	86° 46' 34"	Seed line on hawthorne	Good	White River	Right
Spencer	552.22	39° 17' 22"	86° 46' 42"	Seed line on utility pole	Good	White River	Left
Spencer	550.72	39° 17' 24"	86° 46' 44"	Mud line on utility pole	Good	White River	Left
Spencer	551.69	39° 17' 22"	86° 46' 44"	Mud line on utility pole	Good	White River	Right
Worthington	517.42	39° 44' 28"	85° 08' 04"	Seed line on sycamore	Excellent	Eel River	Left
Worthington	517.42	39° 44' 28"	85° 08' 04"	Seed line on maple	Good	Eel River	Left
Worthington	517.60	39° 07' 27"	86° 58' 08"	Seed line on maple	Fair	Eel River	Left
Worthington	517.34	39° 07' 26"	86° 58' 08"	Seed line on cottonwood	Good	Eel River	Left
Worthington	516.50	39° 07' 22"	86° 58' 06"	Mud line on walnut	Good	Eel River	Left
Worthington	515.91	39° 07' 22"	86° 58' 06"	Seed line on sycamore	Good	Eel River	Left
Worthington	512.73	39° 06' 41"	86° 57' 44"	Mud line on utility pole	Good	White River	Left
Worthington	512.72	39° 06' 37"	86° 57' 35"	Mud line on utility pole	Good	White River	Left
Worthington	513.70	39° 06' 36"	86° 57' 39"	Seed line on sycamore	Good	White River	Left
Worthington	513.85	39° 06' 36"	86° 57' 40"	Seed line on sycamore	Good	White River	Left