

## West Fork White Water River Urban Pre- and Post survey results

Rating of Water Quality: Overall, *how would you rate the quality of water in your area?* (1= Poor 2= Okay 3= Good)

	Total		
	Pre-Mean	Post-Mean	p
a. For canoeing / kayaking / other boating	2.11	2.16	.516
b. For eating fish caught in the water	1.72	1.89	<b>.064**</b>
c. For swimming	1.74	1.85	.148
d. For picnicking and family activities	2.28	2.28	.961
e. For fish habitat	1.94	2.18	<b>.003*</b>
f. For scenic beauty	2.35	2.47	<b>.053**</b>

Consequences of Poor Water Quality: Poor water quality can lead to a variety of consequences for communities. In your opinion, *how much of a problem are the following issues in your area?* (1= Not a problem 2= Slight problem 3= Moderate problem 4= Severe problem)

	Total		
	Pre-Mean	Post-Mean	P
a. Contaminated drinking water	1.61	1.75	.168
b. Contaminated fish	2.24	1.99	<b>.052**</b>
c. Loss of desirable fish species	2.16	1.98	.189
d. Reduced beauty of lakes or streams	2.12	1.89	<b>.025*</b>
e. Reduced quality of water recreation activities	2.20	1.90	<b>.006*</b>
f. Excessive aquatic plants or algae	2.20	2.08	.264
g. Fish kills	2.01	1.80	<b>.092**</b>
h. Odor	2.03	1.79	<b>.023*</b>

\*Shows significance at a .05 level

\*\*Shows significance at a .1 level

**General Water Quality Attitudes: Please indicate your *level of agreement or disagreement* with the statements below.**  
**(1=Strongly disagree 2= Disagree 3=Neutral 4=Agree 5=Strongly agree)**

	Total		
	Pre-Mean	Post-Mean	p
a. The economic stability of my community depends upon good water quality.	3.81	3.82	.890
b. The way that I care for my lawn and yard can influence water quality in local streams and lakes.	3.81	3.87	.485
c. It is my personal responsibility to help protect water quality.	4.14	4.10	.569
d. It is important to protect water quality even if it slows economic development.	3.88	3.94	.421
e. What I do on my land doesn't make much difference in overall water quality.	2.39	2.39	.952
f. Lawn and yard-care practices (on individual lots) do not have an impact on local water quality.	2.28	2.12	<b>.098**</b>
g. My actions have an impact on water quality.	3.92	3.93	.935
h. Taking action to improve water quality is too expensive for me.	2.83	2.81	.816
i. It is okay to reduce water quality to promote economic development.	2.00	1.90	.243
j. It is important to protect water quality even if it costs me more.	3.44	3.52	.358
k. I would be willing to pay more to improve water quality (for example: through local taxes or fees).	3.00	3.04	.721
l. I would be willing to change the way I care for my lawn and yard to improve water quality.	3.71	3.65	.402
m. The quality of life in my community depends on good water quality in local streams, rivers and lakes.	3.85	3.76	.240

**\*\*Shows significance at a .1 level**

**Types Water Pollutants:** Below is a list of types of water pollutants that are generally present in water bodies to some extent. In your opinion, how much of a problem are the following pollutants in your area? (1= Not a problem 2= Slight problem 3=Moderate problem 4= Severe problem)

	Total		
	Pre-Mean	Post-Mean	p
a. Sedimentation / silt	2.37	2.18	1.43
b. Nitrate	2.47	2.12	<b>.028*</b>
c. Phosphorus	2.38	2.04	<b>.034*</b>
d. <i>E.coli</i>	2.35	2.09	.123
e. Suspended solids	2.24	2.10	.379
f. Ammonia	2.29	2.06	.160
g. Atrazine	2.29	2.03	.183
h. Low dissolved oxygen	2.17	1.72	<b>.014*</b>
i. Turbidity	2.15	1.79	<b>.054**</b>

**\*Shows significance at a .05 level**

**\*\*Shows significance at a .1 level**

**Sources of Water Pollutants:** The items listed below are sources of water quality pollution across the country. In your opinion, how much of a problem are the following sources in your area? (1= Not a problem 2= Slight problem 3= Moderate problem 4= Severe problem)

	Total		
	Pre-Mean	Post-Mean	p
a. Discharges from industry into streams and lakes	2.54	2.58	.780
b. Discharges from sewage treatment plants	2.53	2.53	1.00
c. Soil erosion from farm fields	4.09	4.24	.573
d. Soil erosion from shorelines and/or streambanks	2.44	2.43	.969
e. Excessive use of lawn fertilizers and/or pesticides	2.68	2.57	.310
f. Improper disposal of used motor oil and/or antifreeze	2.64	2.49	.182
g. Improperly maintained septic systems	2.55	2.34	<b>.070**</b>
h. Manure from farm animals	2.62	2.45	.148
i. Littering / illegal dumping of trash	2.82	2.75	.448
j. Crop production (non-irrigated)	2.21	2.04	.155
k. Animal feeding operations	2.55	2.42	.315
l. Urban stormwater runoff (e.g. highways, rooftops, parking lots)	2.39	2.34	.686
m. Stream channel erosion / incision	2.49	2.42	.574
n. Removal of streambank vegetation	2.41	2.25	.188

**\*\*Shows significance at a .1 level**

**Practices to Improve Water Quality: Please indicate which statement most accurately describes your level of experience with each practice listed below. (1= Never heard of it 2= Somewhat familiar with it 3= Know how to use it, not doing it 4= Currently Doing it)**

	Total		
	Pre-Mean	Post-Mean	p
a. Keeping grass clippings and leaves out of the roads, ditches and gutters	3.21	3.13	.210
b. Applying fertilizers on my lawn at or below the manufacturer's guidelines	2.91	3.02	.415
c. Using phosphate free fertilizer	2.16	2.40	<b>.016*</b>
d. Using rain barrels	2.37	2.32	.611
e. Monitoring well	2.11	2.04	.420
f. Properly disposing of household waste	2.27	2.36	.448
g. Creating rain gardens	1.35	1.55	<b>.006*</b>

**\*Shows significance at a .05 level**

**When you make decisions about changing your lawn care and/or stormwater practices, *how important is each of the following?***

	Total		
	Pre-Mean	Post-Mean	p
a. Personal out-of-pocket expense	2.29	2.40	.338
b. My own physical abilities	2.24	2.51	<b>.021*</b>
c. Lack of available information about a practice	2.58	2.61	.749
d. No one else I know is implementing the practice	3.32	3.31	.952
e. Approval of my neighbors	3.62	3.70	.478
f. Restrictive covenants in my subdivision	3.33	3.64	<b>.013*</b>
g. Don't know where to get information and/or assistance about the practice	2.82	2.90	.496
h. Environmental damage caused by practice	2.14	2.37	<b>.020*</b>
i. Environmental benefit of practice	2.10	2.32	<b>.023*</b>

**\*Shows significance at a .05 level**

**Information Sources:** People get information about water quality from a number of different sources. To what extent *do you trust the organizations listed below as a source of information about water quality?* (1= Not at all 2=Slightly 3=Moderately 4= Very Much)

	Total		
	Pre- Mean	Post- Mean	p
a. The Whitewater River Initiative Group	3.03	3.06	.844
b. Soil and Water Conservation District (SWCD)	3.28	3.19	.301
c. Natural Resources Conservation Service (NRCS)	3.24	3.14	.322
d. Purdue University Extension	3.37	3.24	.188
e. Indiana State Department of Agriculture (ISDA)	3.10	2.94	<b>.097**</b>
f. Indiana Department of Natural Resources (IDNR)	3.27	3.16	.204
g. Indiana Department of Environmental Management (IDEM)	3.08	2.95	.204
h. US Environmental Protection Agency (USEPA)	2.78	2.80	.808
i. Environmental groups	2.42	2.36	.557
j. Neighbors/friends	2.49	2.51	.846

**\*\*Shows significance at a .1 level**