

Watershed-wide Summary of BMPs Recommended for Implementation (high priority=implemented in 1-5 years; low priority=implemented in 5-10 years)

Category	BMP	Unit	Amount	Cost	Estimated Load Reduction					Priority	Lead Implementor
					Sediment (tons/yr)	TSS (lbs/yr)	Phosphorus (lbs/yr)	Fecal Coliform*	Nitrogen (lbs/yr)		
URBAN	Retrofit existing dry-bottom detention basin with native vegetation for increased filtering/pollutant removal, Corron School-total site 467,638 square feet	feet	75,729							High	South Elgin
HYDROLOGIC	The western stream bank is severely eroded with exposed slope that are 6 – 7 feet tall in some locations. The impact on the surrounding area is severe due to the close proximity of the residences and the detention facility located west of the creek. Station 7870-7990	feet	120	\$42,000-\$48,000						High	South Elgin
HYDROLOGIC	The eastern stream bank is severely eroded with steep vertical banks approx 5' tall. The bank has experienced rotational failure and is within 2.5' of the adjacent bike path. The area impacted is the bike path and the detention basin east of the path Station 1860-2000	feet	140	\$24,500-\$31,500						High	South Elgin
HYDROLOGIC	The eastern stream bank is severely eroded with exposed steep slopes approx 5 - 6' tall and within 2' of the bike path. The area impacted is the bike path and the detention facility east of the path and therefore the impact is severe. Station 4920-5170	feet	250	87,500-100,000						High	South Elgin
HYDROLOGIC	The eastern stream bank is severely eroded with steep exposed side slopes. There are a few locations of impending failure where the bank has eroded to within 2 feet of the path. Station 5280-5350	feet	70	\$10,500-\$12,250						High	South Elgin
HYDROLOGIC	The western stream bank is severely eroded with 5 – 7 foot tall exposed slopes within this area. There also appears to be some undercutting of the western bank through this slight meander in the creek. Station 7140-7290	feet	150	\$11,250-\$18,750						High	South Elgin
HYDROLOGIC	The eastern stream bank is severely eroded through this area with 5-6 foot tall exposed slopes. The eroded bank is within approximately 4 feet of the bike path. Station 7380-7470	feet	90	\$18,000-\$20,250						High	South Elgin

HYDROLOGIC	The eastern stream bank is severely eroded with exposed steep slopes that are 6-7' tall throughout this area. This area is currently stabilized but is an area of concern since the edge of the bike path is within 3' of the eroded bank in some locations. STATION 8150-8570	feet	420	\$84,000-\$94,500						High	South Elgin
HYDROLOGIC	The eastern stream bank is severely eroded with 4 – 6 foot tall exposed slope throughout the reach. This area is within approximately 3 – 5 feet of the bike path with one location within 1 foot of the path. Station 8670-8980	feet	310	\$77,500-\$93,000						High	South Elgin
HYDROLOGIC	The eastern stream bank has moderate erosion with areas of exposed slopes. The eroded bank is within 3 feet of the bike path. Station 6350-6490	feet	140	\$21,000-\$24,500						High	South Elgin
HYDROLOGIC	The eastern stream bank is severely eroded with 6 foot tall exposed slopes throughout this area. The eroded bank is within 3 feet of the bike path in some areas. Station 6620-6740	feet	120	\$51,000-\$63,000						High	South Elgin
HYDROLOGIC	The eastern stream bank is severely eroded with 6 foot tall exposed slopes throughout this area. the eroded bank is within 3 feet of the bike path in some areas. Station 6820-6870	feet	50	\$17,500-\$20,000						High	South Elgin
HYDROLOGIC	The eastern stream bank is severely eroded with 8 foot tall exposed slopes throughout this area. The eroded bank is within 3 feet of the bike path. Station 6960-7120	feet	160	\$40,000-\$48,000						High	South Elgin
HYDROLOGIC	The western stream bank is moderately eroded with approximately 3 feet tall vertical banks. The area impacted has a garage of a residential home within five to ten feet of the bank. Station 1190-1290	feet	1190	\$15,000-\$18,750						High	Kane County/Homeowner
HYDROLOGIC	The eastern stream bank is severely eroded through this area with 6-7 foot tall exposed slopes. The eroded bank is within approximately 2 feet of the bike path. is within approximately 2 feet of the bike path. Station 7570-7720	feet	150	\$37,500-\$45,00						High	South Elgin
URBAN	Edgewater/Columbine Subdivision naturalized basin with combined drainage	acre	2.1							High	Elgin
AGRICULTURE	Lenkaitis Farm #1 -Vegetative filter strip, updating their manure pit	feet								High	Private Homeowner

HYDROLOGIC	Lenkaitis Farm #2-Streambank stabilization	feet								Low	Private Homeowner
URBAN	Work with strip mall owner to install retrofit WQ BMPs to reduce total runoff and/or parking lot pollutants prior to discharge into downstream storm sewer, Target	feet								Low	South Elgin
URBAN	Work with strip mall owner to install retrofit WQ BMPs to reduce total runoff and/or parking lot pollutants prior to discharge into downstream storm sewer, Best Buy/Home Depot	feet								Low	South Elgin
URBAN	Work with strip mall owner to install retrofit WQ BMPs to reduce total runoff and/or parking lot pollutants prior to discharge into downstream storm sewer, Caputos	feet								Low	South Elgin
URBAN	Work with strip mall owner to install retrofit WQ BMPs to reduce total runoff and/or parking lot pollutants prior to discharge into downstream storm sewer, Kohls	feet								Low	South Elgin
URBAN	Work with strip mall owner to install retrofit WQ BMPs to reduce total runoff and/or parking lot pollutants prior to discharge into downstream storm sewer, TRU/Ross	feet								Low	South Elgin
URBAN	Detention basin retrofit to ease flooding concerns and water quality benefits	feet								Low	
OTHER	Restore Lily Lake and pre-settlement wetlands (north and south of Route 64)	acre	18							Low	Lily Lake
OTHER	Lake Campton-Buffer site Evaluation	feet								High	Lake Campton HOA
OTHER	Ferson Creek upstream from Lake Campton-Creek walk to stablization and improvements/assessment	feet								Low	Lake Campton HOA, St. Charles School District 303
OTHER	Kane County wetlands adjacent to Lake Campton-investigate drainage ditch contstructed under the Whitney road from the wetlands to the west end of lake campton	feet								Low	Lake Campton HOA, Kane County Forest Preserve, St. Charles School District 303
OTHER	Eroded Banks Possible further investigation needed	feet								Low	
URBAN	Detention basin retrofit to ease flooding concerns and water quality benefits	feet								Low	
URBAN	Stabilize highly eroded storm drainage channel which drains directly into Ferson Creek (banks > 5 ft); Drains Burlington Rd runoff onto Campton Twp Gray Willows open space property	feet		\$45,000						Low	Campton Twp
OTHER	Restore oak woodland/savanna on Campton Twp Gray Willows property - approx. 21 acres	feet		\$25,000						Low	Campton Twp

HYDROLOGIC	Streambank Stabilization Project; Private landowner at 36W394 Wild Rose Lane; Moderate erosion (< 4 ft banks). 375 LF	feet		\$25,000						Low	Private Landowner
HYDROLOGIC	Drainage improvements to reduce residential flooding on east side of Denker Road	feet		\$25,000						Low	Private Landowner
OTHER	Encourage farmer to install animal exclusion zone from swale which drains 32 acres through cow pasture; Cows observed defecating in small swale apparently fed by upstream drain tile discharges with near constant flow to tributary to Ferson Cr	feet		\$5,000						Low	Private Landowner
OTHER	Work with landowner to preserve as much of 25 acre oak woodland as possible.	feet								Low	Private Landowner
OTHER	Work with private landowners and Girl Scout Org to permanently protect stream corridor & oak woodlands. HHQ ADID wetland with T&E species	feet								Low	Private Landowner
OTHER	Work with private landowner to maintain and permanently protect oak woodland and undeveloped fen recharge area.	feet								Low	Private Landowner
HYDROLOGIC	Work with developer/landowner to permanently protect sedge meadow wetland which is the headwaters to Fitchie Creek	feet								Low	Private Landowner
URBAN	Install infiltration-based BMPs (permeable pavers, bioretention basins, etc.) retrofits into strip mall development; Significantly undersized detention storage and no WQ treatment before discharge to Otter Creek.	feet		\$500,000						Low	Private Landowner/Shopping Center Corporation
URBAN	Install infiltration-based BMPs (permeable pavers, bioretention basins, etc.) retrofits into strip mall development; Significantly undersized detention storage and no WQ treatment before discharge to Otter Creek.	feet		\$450,000						Low	Private Landowner/Shopping Center Corporation
URBAN	Detention Basin Retrofit; Replant turf grass bottom basin with native plants for added pollutant removal; 1.1 acres; Otter Creek Shopping Mall east side of Randall Rd	feet		\$15,000						Low	Private Landowner/Shopping Center Corporation
OTHER	Protect Fen #1272 from development and insure WQ BMPs are integrated into all development proposed within its recharge area	feet								Low	Private Landowners

URBAN	Install rain garden to infiltrate/filter FC Elementary roof runoff before uncontrolled release to Ferson Creek. Could serve as outdoor ed classroom for students	feet		\$85,000						Low	School District 303
URBAN	Retrofit existing turf bottom detention basin with native plants (mesic prairie garden) - about 6000 SF	feet		\$85,000						Low	School District 303
URBAN	Retrofit existing turf bottom detention basin with native plants - min. 25,000 SF	feet		\$10,000						Low	Burlington School District 301 -Prairie View Grade School
OTHER	Investigate what type of farming operation this is and see if there is a real potential for ag feed lot runoff from animal operation (chickens?); headwaters to Bowes Cr	feet								Low	USDA/Farm Bureau/Landowner
HYDROLOGIC	Floodplain forest / stream corridor restoration to remove invasive/nuisance species on Wild Rose Springs HOA property; Wild Rose Springs owns more than 60 acres of natural area along Ferson and more than 1 mile of stream	feet		\$100,000						Low	Wild Rose Springs HOA
HYDROLOGIC	Ravine Stabilization at the Windings Subdivision (near 5N264 Paddock Lane, St. Charles)	feet								High	Windings HOA
HYDROLOGIC	Ravine Stabilization at the Windings Subdivision (near 42W561 Eagle Court, St. Charles)	feet								Low	Windings HOA
HYDROLOGIC	Ravine Stabilization at the Windings Subdivision (near 5N645 Ravine Drive, St. Charles)	feet								Low	Windings HOA
HYDROLOGIC	Ravine Stabilization at the Windings Subdivision (near 42W186 Ravine Drive, St. Charles)	feet								Low	Windings HOA
HYDROLOGIC	Ravine Stabilization at the Windings Subdivision (near 5N826 Ravine Drive, St. Charles)	feet								Low	Windings HOA
HYDROLOGIC	Ravine Stabilization at the Windings Subdivision (near 5N298 Harvest Lane, St. Charles)	feet								Low	Private Property owner
HYDROLOGIC	Ravine Stabilization at the Windings Subdivision (near 42W675 Bridle Court, St. Charles)	feet								Low	Windings HOA
HYDROLOGIC	Ravine Stabilization at the Windings Subdivision (near 42W666 Bridle Court, St. Charles)	feet								Low	Windings HOA
URBAN	Retrofit existing dry-bottom detention basin with native vegetation for increased filtering/pollutant removal	feet								Low	City of Elgin

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AGRICULTURE	Primrose Farm-stream bank, stream bottom evaluation	feet								Low	St. Charles Park District
HYDROLOGIC	Ferson Creek Park-naturalized buffer	feet								Low	St. Charles Park District
HYDROLOGIC	Otter Creek Bend Wetland-Soil deposition mitigation	feet								Low	St. Charles Park District
OTHER	Monitor water quality in the Otter Creek Tributary to Ferson Creek	feet								Low	Homeward, Campton Hills
OTHER	Monitor water quality of Ferson Creek at Corron Road	feet								Low	Campton Hills
OTHER	Monitoring station 0-50	feet	50							Low	South Elgin

OTHER	Monitoring station 100-180	feet	80							Low	South Elgin
OTHER	Monitoring station 240-410	feet	170							Low	South Elgin
OTHER	Monitoring station 1330-1400	feet	70							Low	South Elgin
OTHER	Monitoring station 1480-1670	feet	190							Low	South Elgin
OTHER	Monitoring station 1730-1850	feet	120							Low	South Elgin
OTHER	Monitoring station 1860-2000	feet	140							Low	South Elgin
OTHER	Monitoring station 2030-2180	feet	150							Low	South Elgin
OTHER	Monitoring station 2180-2250	feet	70							Low	South Elgin
OTHER	Monitoring station 2270-2380	feet	110							Low	South Elgin
OTHER	Monitoring station 2350-2450	feet	100							Low	South Elgin
OTHER	Monitoring station 2485-2500	feet	15							Low	South Elgin
OTHER	Monitoring station 2580-2700	feet	120							Low	South Elgin
OTHER	Monitoring station 2730-2790	feet	60							Low	South Elgin
OTHER	Monitoring station 2790-2870	feet	80							Low	South Elgin
OTHER	Monitoring station 2970-2870	feet	60							Low	South Elgin
OTHER	Monitoring station 3370-3450	feet	80							Low	South Elgin
OTHER	Monitoring station 3540-3650	feet	80							Low	South Elgin
OTHER	Monitoring station 3570-3900	feet	90							Low	South Elgin
OTHER	Monitoring station 3660-4110	feet	170							Low	South Elgin
OTHER	Monitoring station 4170-4330	feet	80							Low	South Elgin
OTHER	Monitoring station 4370-4520	feet	330							Low	South Elgin
OTHER	Monitoring station 4590-4870	feet	280							Low	South Elgin
OTHER	Monitoring station 4870-5100	feet	230							Low	South Elgin
OTHER	Re-grade w/Stone Toe & Gabion station 4920-5170	feet	250	\$87,500- \$100,000						Low	South Elgin
OTHER	Monitoring station 5170-5280	feet	110							Low	South Elgin
OTHER	Monitoring station 5170-5350	feet	180							Low	South Elgin
OTHER	Monitoring station 5610-5720	feet	110							Low	South Elgin
HYDROLOGIC	Stream Maintenance station 430-1150	feet	720	\$43,200- \$54,00						Low	South Elgin
HYDROLOGIC	Stream Maintenance station 850-1100	feet	250	\$15,000- \$18,750						Low	South Elgin
OTHER	Vegetative Maintenance station 2990-3080	feet	90	\$6,750- \$11,250						Low	South Elgin
OTHER	Vegetative Maintenance station 3160-3330	feet	170	\$12,750- \$21,250						Low	South Elgin

OTHER	Vegetative Maintenance station 4120-4870	feet	750	\$56,250- \$93,750						Low	South Elgin
URBAN	Re-grade w/Stone Toe station 5280-5350	feet	70	\$10,500- \$12,250						Low	South Elgin
OTHER	Vegetative Maintenance station 5380-5580	feet	200	\$15,00- \$25,000						Low	South Elgin
OTHER	Vegetative Maintenance station 5760-5880	feet	120	\$9,000- \$15,000						Low	South Elgin
OTHER	Vegetative Maintenance station 6170-6320	feet	150	\$11,250- 18,750						Low	South Elgin
URBAN	Re-grade w/Stone Toe station 5450-5570	feet	100	\$15,000- \$17,500						Low	South Elgin
URBAN	Re-grade w/Stone Toe station 5980-6100	feet	120	\$18,000- \$21,000						Low	South Elgin
OTHER	Monitoring station 6520-6570	feet	50							Low	South Elgin
OTHER	Monitoring station 6850-6920	feet	70							Low	South Elgin
OTHER	Monitoring station 7720-7870	feet	150							Low	South Elgin
OTHER	Monitoring station 8020-8090	feet	70							Low	South Elgin
OTHER	Monitoring station 8090-8370	feet	280							Low	South Elgin
OTHER	Monitoring station 8420-8680	feet	260							Low	South Elgin
OTHER	Monitoring station 8870-9170	feet	300							Low	South Elgin
OTHER	Monitoring station 9150-9250	feet	100							Low	South Elgin
OTHER	Monitoring station 9500-9810	feet	310							Low	South Elgin
OTHER	Monitoring station 9690-9770	feet	80							Low	South Elgin
OTHER	Monitoring station 9920-10070	feet	150							Low	South Elgin
OTHER	Monitoring station 9970-10050	feet	80							Low	South Elgin
OTHER	Monitoring station 12220-12310	feet	220							Low	South Elgin
OTHER	Monitoring station 10120-10200	feet	80							Low	South Elgin
OTHER	Monitoring station 12320-12410	feet	90							Low	South Elgin
OTHER	Monitoring station 12430-12500	feet	70							Low	South Elgin
OTHER	Monitoring station 12440-12500	feet	60							Low	South Elgin
OTHER	Monitoring station 11220-11520	feet	300							Low	South Elgin
OTHER	Monitoring station 11530-11680	feet	150							Low	South Elgin
OTHER	Monitoring station 11670-11920	feet	250							Low	South Elgin
OTHER	Monitoring station 11920-12180	feet	260							Low	South Elgin
OTHER	Monitoring station 12170-12270	feet	100							Low	South Elgin

OTHER	Vegetative Maintenance station 7140-7290	feet	150	\$11,250- \$18,750						Low	South Elgin
OTHER	Vegetative Maintenance station 7500-7610	feet	100	\$8,250- \$13,750						Low	South Elgin
OTHER	Vegetative Maintenance station 9240-9420	feet	180	\$13,500- \$22,500						Low	South Elgin
OTHER	Vegetative Maintenance station 10870-11370	feet	500	\$37,500- \$62,500						Low	South Elgin
HYDROLOGIC	Stream Maintenance station 10050-10270	feet	220	\$13,200- \$16,500						Low	South Elgin
HYDROLOGIC	Stream Maintenance station 10630-10850	feet	220	\$13,200- \$16,501						Low	South Elgin
URBAN	Re-grade w/Stone Toe station 9440-9500	feet	60	\$9,000- \$10,500						Low	South Elgin
URBAN	Re-grade w/Stone Toe station 10300-10630	feet	330	\$49,500- \$57,750						Low	South Elgin

* = counts / day (I'm not sure if we will be able to calculate a fecal coliform load reduction per project recommendation.)

Table heading suggests that all recommendations are short-term and therefore requiring all columns to be filled with data. Priority column may be used based upon other criteria: such as, a) ratio of load reduction / dollar cost or, b) if project falls in an identified critical area (i.e. that part of the watershed that generates a disproportionately high load.