Site-Specific Stormwater Retrofit Cost Estimates – Tankerhoosen River Watershed Management Plan

					Design, Permitting, Contingency							
	Unit Cost	Unit	Units	Construction Cost (2009)	% Construction	Cost	Total Cost	Lifespan (yrs)	Annual Cost Over Lifespan	O&M (% Cost)	O&M ($/yr)	Total Capitalized Cost/yr over lifespan
Tankerhoosen Lake												
Sediment Forebay	77,000	total, 2004 dollars (BEC estimate)	1	$93,700	32%	$30,000	$123,700	30	$6,310	6%	$380	$6,690
4 Deep Sump CBs, piping, and swale	20,000	total, 2004 dollars (BEC estimate)	1	$24,300	32%	$7,800	$32,100	50	$1,250	15%	$190	$1,440
Northeast School												
Bioretention Area 1	$14.56	/ft^2 (commercial/ industrial area	2892	$42,100	32%	$13,500	$55,600	15	$4,660	8%	$370	$5,030
Bioretention Area 2	$14.56	/ft^2 (commercial/ industrial area	2137	$31,100	32%	$10,000	$41,100	15	$3,440	8%	$280	$3,720
SW Basin	$7.27	/ft^3 (developed area)	2495	$18,100	32%	$5,800	$23,900	30	$1,220	6%	$70	$1,290
Mount Vernon Apartments												
SW Basin	$7.27	/ft^3 (developed area)	5862	$42,600	32%	$13,600	$56,200	30	$2,870	6%	$170	$3,040
Deep sump CBs	$3,125.00	ea.	6	$18,800	32%	$6,000	$24,800	50	$960	20%	$190	$1,150
Fire Station (Route 30)												
SW Basin	$7.27	/ft^3 (developed area)	2976	$21,600	32%	$6,900	$28,500	30	$1,450	6%	$90	$1,540
Vegetated Swale	$14.56	/ft^2	59	$900	32%	$300	$1,200	10	$140	7%	$10	$150
Vernon Historical Society (Route 30)												
Pocket Wetland	30.6V^0.71 (03$)	/ft^3	1081	$5,500	32%	$1,800	$7,300	10	$860	6%	$50	$910
Vegetated swale	$14.56	/ft^2	657	$9,600	32%	$3,100	$12,700	10	$1,490	6%	$90	$1,580
ConnDOT Commuter Lot (Route 6/44 and I-384 Interchange)												
Vegetated swale	$14.56	/ft^2	532	$7,700	32%	$2,500	$10,200	29	$530	7%	$40	$570
SW Basin	$7.27	/ft^3 (developed area)	7105	$51,700	32%	$16,500	$68,200	30	$3,480	6%	$210	$3,690
ConnDOT Commuter Lot (I-84, Exit 67)												
SW Basin	$7.27	/ft^3 (developed area)	5299	$38,500	32%	$12,300	$50,800	30	$2,590	6%	$160	$2,750
Vegetated Swale	$14.56	/ft^2	103	$1,500	32%	$500	$2,000	10	$230	7%	$20	$250
Gerber Technologies Office Building												
Sediment Forebay	$50	/yd^3 of riprap	40	$2,000	32%	$600	$2,600	30	$130	30%	$40	$170
Discharge Channel	$3.86	/ft2	2324	$9,000	32%	$2,900	$11,900	30	$610	10%	$60	$670
Lake Street School												
Bioretention	$14.56	/ft^2 in commercial/ industrial area	4900	$71,300	32%	$22,800	$94,100	15	$7,880	8%	$630	$8,510
Note:												
Rate of Inflation used =	4%											
Interest (discount) rate used =	7%											