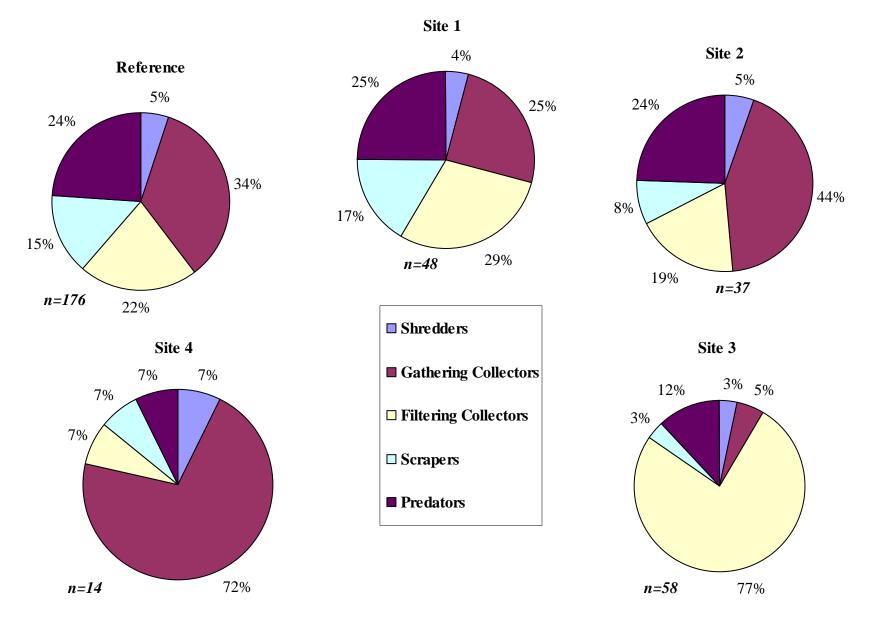
Summary of Invertebrate Functional Feeding Group (FFG) Composition, Beaver Brook (2008)



Review of Land-Use Field Criterion Documented In Various Assessment Methodologies

Count	Categories				
9	Channel Alteration				
6	Erosion (instream)				
5	Erosion (out of stream)				
2	Exposed Pipe				
7	Pipe Outfall				
6	Fish Barrier				
11	Vegetated Buffer				
3	Construction				
4	Trash dumping/litter				
10	Land use				
5	Livestock				
4	stream shading/canopy cover				
2	manure/sewage /septic				
2	oil sheen or foam				
3	algae growth				
8	ditches & drainage				
4	water withdrawals				
	flood & erosion control				
1	structures				
6	bank slope & bank height				
7	water appearance				
3	bare soil				
1	floodplain activities				
3	watershed gradient				
1	salinity signs				
3	channel cross section shape				
4	bank stability				
6	sediment instream				
2	roads/bridges				
1	yardwaste				
1	soil compaction or gravel				
3	impervious				
1	snow dumps				
1	combined sewer overflow				

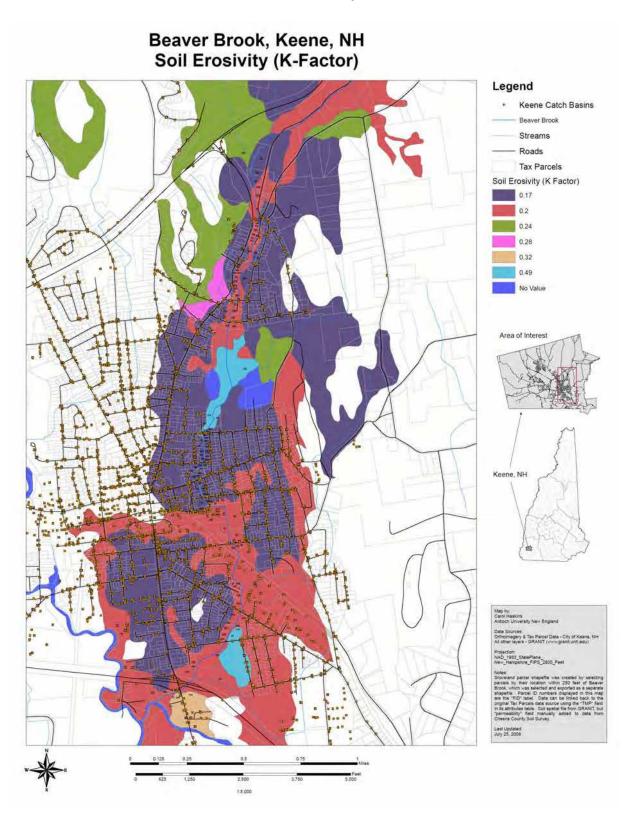
Review of NPS Field Criterion Documented In Various Assessment Methodologies

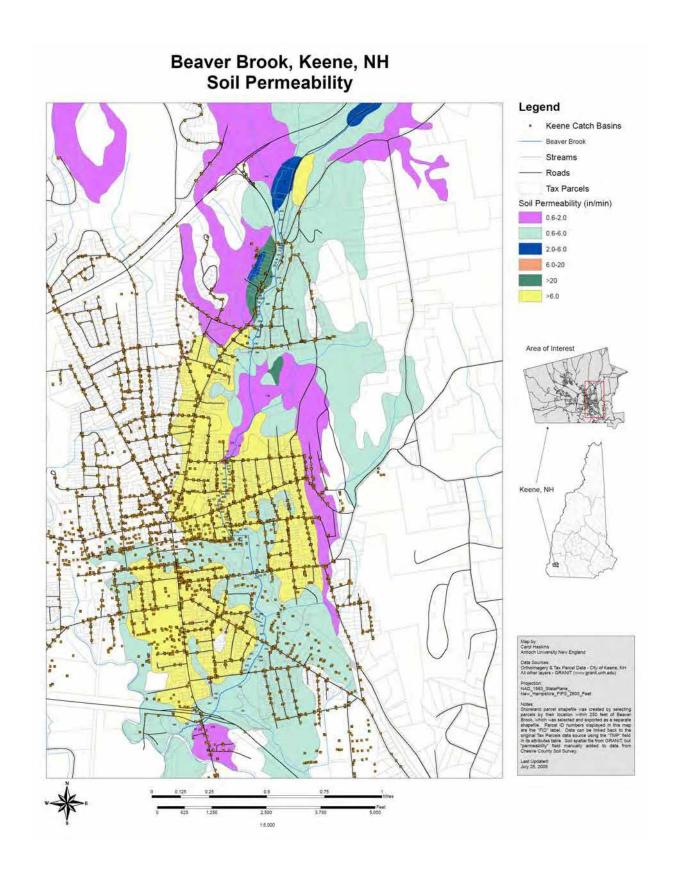
NPS Pollutant	Activities associated with pollutant	Count
Soil Erosion / Sediment	Bare soil / fields	6
	Stockpiled soil	3
	construction site / unstable construction site	9
	gravel roads - road surface erosion	3
	road shoulder / ditch erosion	6
	unstable culvert inlet / outlet	5
	livestock trampling of streambank and stream crossings	4
	dirt driveways	5
	excavation / earth moving	2
	dredging	1
	mining / gravel operations	2
	agricultural fields	5
	forestry operations	6
	road maintenance	2
	streambank / shoreline erosion	6
	direct sloped pathways towards water	3
	rill / gully erosion or turbid water over land surface	2
	sediment from paved roads/highways	2
	impervious surfaces	3
	golf courses	1
	steep slopes (>7%)	1
	unstable access point to water	1
	road washouts	1
	crumbling pavement	1
Nutrients	septic system	6
	livestock / improper manure storage/ manure spreading	8
	fertilizer flags / very green lawns	7
	pet waste	5
	algae mats in streams	1
	lawn clippings piled next to stream or on pavement	2
	urban / suburban development	1
	soil erosion	6
	agricultural fields - fertilizer and soil	4
	construction sites	3
	forestry operations	2
	impervious surface runoff	3
	road ditches	2

	detergents - dish soap; car wash	3
	unstable eroding streambank / shoreline	2
	sand and gravel from roads	2
	sand / gravel excavation sites	1
Bacteria / Pathogens	pet waste	6
_	livestock; poor manure storage	6
	waterfowl / wildlife gathering area	3
	septic system problem	5
	sewer line problem and sanitary sewer overflows (CSOs)	2
	boat (overboard) discharge	1
	impervious surfaces	1
Toxics	staining around storm drain / spills	2
	pesticide flag / manicured lawns	8
	drainage from high-use parking lot, roads, highway	5
	exposed industrial / commercial activities	1
	heavy vehicle traffic	1
	dumpster runoff / "juice"	3
	landfills	1
	junkyards	2
	underground storage tanks (USTs)	3
	household hazardous waste	1
	auto maintenance	2
	boat/marina	1
	mining operation	1
	automobile fluid leaks	4
	roofs	1
	driveways	2
	construction	1
	road salts & snow dumps	1
Temperature (thermal pollution)	lack of stream shading	1
	riprap on streambanks	1
	drainage from large paved areas	1
	drainage from pond / dammed area	1
Other Buffer Issues	buffer not wide enough	1
	poor / degraded buffer	1
	concentrated flow path of stormwater through buffer	1
	invasive species abundant	1
Stream Channel	channel straightened	1
	bank / channel downcutting or incision	1
	severe streambank erosion / failure	1
	storm drains directly to channel	1
	excessive trash	1
	excessive build up of sediment	2
	floodplain filled in for development	1

	remains of old log drive jam	1	
Culvert / Crossing	culvert misaligned		
	hanging culvert (no fish passage)	1	
	beaver dam blockage of culvert	1	
	slip-lined culvert	1	
Oxygen Demanding Materials	pet waste	1	
	leaves, grass clippings, litter	1	
	CSOs	1	
	impervious surfaces	1	
	septic	1	

Soil Erodibility





Field Data Sheet - Stream Corridor Assessment

Parcel ID:	_ Side of Channel	(looking upstrea	m): LEFT or RIGHT	Date:	Time:
Picture #:	Landowner Cont	acted: YES or N	10	Surveyor'	s Initials:
Spatial Information (if GPS available)	Latitude/Longitu		'"N		r (feet): Waypoint #:
Indicate Land Use Single Family Residential Multiple Family Residential Commercial Industrial	Agriculture Construction Logging Golf	Utility Landfill Junkyard Cemetery	Transportation / R Recreation / Parkla Beach / Boat Acce Mining / Gravel P	and ess	Undisturbed Forest Undeveloped Parcel Wetland Conservation Land

Indicate the condition for each of the "Primary Factors" for ALL sites. For other categories, indicate the condition using the ranking descriptions listed in the assessment manual if the activity applies to the site. Use the adjacent page to make comments about specific categories or general site comments.

Primary Factors (fill in for AL					
Slope	Good	At Risk	Impacted		
Impervious Surface	Good	At Risk	Impacted		
Vegetated Buffer					
Composition	Good	At Risk	Impacted		
Width	G_d	At Risk	Impacted		
Continuity	Good	At Risk	Impacted		
Invasive Plant Speci	es	(ch	eck box if pr	esent in buffer)	
Potential Contamination Sour	ces				
Pesticides/Herbicides		Good	At Risk	Impacted	N/A
Driveways/Pathways	Good	At Risk	Impacted	N/A	
Hazardous Waste			1		
Storage & Disposal		Good	At Risk	Impacted	N/A
				1	
Potential BOD Sources and Fa	ctors				
Fertilizers	Good	At Risk	Impacted	N/A	
Yard Waste	Good	At Risk	Impacted	N/A	
Pet & Animal Waste	Good	At Risk	Impacted	N/A	
Stream Aeration	Good	At Risk	Impacted	N/A	
Sedimentation Potential					
Bare Soil	Good	At Risk	Impacted	N/A	
Construction Sites	Good	At Risk	Impacted	N/A	
			_		
Potential Road Impacts					
Paved Roads	Good	At Risk	Impacted	N/A	
Unpaved Roads	Good	At Risk	Impacted	N/A	
Roadside Ditches	Good	At Risk	Impacted	N/A	
Bridge Crossings	Good	At Risk	Impacted	N/A	
Culverts	Good	At Risk	Impacted	N/A	
Road Crossings	Good	At Risk	Impacted	N/A	
			r		
Potential In-stream Impacts					
Streambank Cond. / Stability	Good	At Risk	Impacted	N/A	
Pipe Outfall	Good	At Risk	Impacted	N/A	
- pr outum	3004	. 10 101010	Impacted	11/11	