

TABLE A
AREAS OF CONCERN IN THE LETORT SPRING RUN WATERSHED

Upper Watershed	
South of Route 34 Bridge	Numerous small swales and ditches carry stormwater runoff from fields directly into the LeTort. Ditches are generally lined with grass.
South of Route 34 Bridge-See Map	Dairy cattle entrance #1-streambed and entrance covered with 6 " stone to prevent streambed damage, fenced to limit animal access.
South of Route 34 Bridge-See Map	Dairy cattle entrance #2- no stone stabilization, manure accumulation in streambed.
South of Route 34 Bridge- see map	Dam (metal roofing), partially collapsed.
South of Route 34 Bridge- see map	Cement block dam, approximately 4 feet high.
200 feet south of Route 34 Bridge	Trailer approximately 5-10 feet from stream bank, cement block wall present.
Approximately 300 feet North of Route 34 Bridge	Partial dam present, earthen mound covered in plastic.
Directly upstream of Union Quarry	Trail bridges in disrepair.(Now fixed)
Access bridges to Union Quarry	Quarry stone within stream, vegetation sparse to nonexistent. Water intake pump located under upper bridge.
Directly downstream of Union Quarry Access Bridge	Union Quarry groundwater discharge point.
Otto's Meadow, directly behind historical structure	Old footbridge foundation presently acting as a partial dam.
LeTort Park, immediately downstream of RR bridge	Stream takes a 90 degree bend, ongoing streambank erosion.
LeTort Park	Large drainage ditch entrance from behind LeTort Elementary School.
LeTort Park	Discharge of Mully Grub to LeTort.
Between LeTort Park footbridge and Pomfret Street Bridge	
East side of stream	~250 feet of stone wall collapse into the channel.
West side of stream	~300 feet of stone wall collapse into the channel.
Between the Pomfret Street Bridge and High Street Bridge	

East side of stream	~60 feet of stone wall collapse into the channel area.
West side of stream	~110 feet of stone wall collapse into channel area.
	Remaining wall in only fair condition due to missing mortar, portions of wall being pushed by retained soil.
Directly north of Pomfret Street Bridge-east side	Large tank of unknown use is anchored to streambed.
Directly north of Pomfret Street Bridge-East side	Large storm drain enters LeTort, opening surrounded by floating net to catch debris.

Middle Watershed

LeTort Park	Accumulated trash and debris in channel.
Directly North of High Street Bridge-behind Weis Market	Accumulated trash and debris in channel.
Under East North Street Bridge	Sediment built up blocks one half of channel width. Trash build-up on sediment.
Between High Street and East Louther Street	
East side of stream	~130 feet of stone wall collapse and 100 feet of stone wall essentially missing.
West side of stream	~400 feet of partial collapse and missing stone wall.
Between East Louther Street and East North Street	
East side of stream	~10-20 feet of minimal repair needed. Remaining wall in fair condition due to poor mortar, portions of wall being pushed by retained soil.
West side of stream	~400 feet of missing and collapsed stone wall.
Between East North Street and RxR Bridge Crossing	
East side of stream	Essentially the entire wall is collapsed and/or missing. Erosion does not appear to be a large problem here, however, due to numerous trees and shrubs growing along the stream bank.
West side of stream	Same as East side.

Between RxR Bridge Crossing and Main Entrance Bridge to US Army War College	
East side of stream	Wall appears to be nearly "perfect".
West side of stream	150 feet of collapsed wall directly north of RxR bridge, probably due to invading scrub tree roots. Remaining wall in fair to good condition.
South of High Street Bridge-east side of stream	Large storm drain entrance, no debris net.
200 feet North of RxR Bridge in Carlisle-west side of stream	Large storm drain entrance, no debris net.
Carlisle Borough / North Middleton township line, apartment building parking lot	Parking lot abuts stream, dumpsters next to stream. Erosion of parking lot onto streambank and into stream. Trash and furniture discarded on bank of stream.
South of North Middleton / Middlesex Twp Line, east side of stream	Borough composting facility.

Lower Watershed

Directly south of Harmony Hall Road, west side of stream	Close proximity of recreational vehicle camping spaces, leave composting along stream.
Directly north of Harmony Hall Road, west side of stream.	Horse farm pasture adjacent to stream.
Property 73, see map	Dairy cattle fields bordering on stream's wetland fringe.
Property 76, see map	Large telephone pole across stream.
Property 76, see map	Agricultural fields bordering on stream's wetland fringe.
Directly south of Turnpike	Concrete highway barriers utilized as stream bank protection.
West of Route 81 and Middlesex Road intersection	Dairy operation with pasture bordering directly on stream.
West of Route 81 and Middlesex Road intersection	Existing residential development bordering directly on stream.

** Please refer to the October, 2000 LeTort Spring Run Watershed Assessment by Skelly and Loy Inc. for additional stream assessment maps and worksheets.*

TABLE B
WILDLIFE IN THE LETORT SPRING RUN WATERSHED

Waterfowl	
Canada Goose	<i>Branta caradensis</i>
Wood Duck	<i>Aix sponsa</i>
Mallard Duck	<i>Anas platyrhynchos</i>
Blue Herons	<i>Ardea herodias</i>
Common Herons	
Egrets	
Kingfisher	<i>Ceryle alcyon</i>

Mammals	
Raccoons	<i>Procyon lotor</i>
Foxes(red and gray)	
Opossum	
Squirrels(gray and flying)	
White tailed deer	<i>Odocoileus virginianus</i>
Meadow vole	
Muskrat	<i>Ondatra zibethicus</i>
Skunk	
Cotton Tail Rabbit	
Mink	

Fish and Invertibrates	
Brook Trout	<i>Salvelinus fontinalis</i>
Brown Trout	<i>Salmo trutta</i>
Rainbow Trout	<i>Salmo gairdneri</i>
Fall Fish	
Suckers	<i>Catostomus commersoni</i>
Carp	<i>Cyprinus carpio</i>
Mayflies	<i>Bactis spp.</i>
Midges	
Isopods	
Sowbugs(aka pillbugs)	
Scuds	
Snakes(various species)	

TABLE C
VEGETATION IN THE LETORT SPRING RUN WATERSHED

Ailanthus	(<i>Ailanthus altissima</i>)	N.I.
American Elm	(<i>Ulmus americana</i>)	FACW-
Beggars Tick - No I.D.	(<i>Bidens</i> spp)	----
Black Cherry	(<i>Prunus serotina</i>)	FACU
Black Locust	(<i>Robinia pseudoacacia</i>)	FACU-
Black Walnut	(<i>Juglans nigra</i>)	FACU
Black Willow	(<i>Salix nigra</i>)	FACW+
Box Elder	(<i>Acer negundo</i>)	FAC+
Broadleafed Cattail	(<i>Typha latifolia</i>)	OBL
Bull Thistle	(<i>Cirsium vulgare</i>)	FACU-
Common Burdock	(<i>Arctium minus</i>)	N.I.
Common Buttercup	(<i>Ranunculus acris</i>)	FAC+
Corn	(<i>Zea mays</i>)	N.I.
Crown Vetch	(<i>Coronilla varia</i>)	N.I.
Daisy Fleabane	(<i>Erigeron annuus</i>)	FACU
Dandelion, Common	(<i>Taraxacum officinale</i>)	FACU-
Deer-tongue Grass	(<i>Dichanthelium clandestinum</i>)	FAC+
Duckweed	(<i>Spirodela polyhiza</i>)	OBL
Evening Primrose	(<i>Oenothera biennis</i>)	FACU-
Fox Grape	(<i>Vitis labrusca</i>)	FACU
Fox Sedge	(<i>Carex vulpinoidea</i>)	OBL
Ground Ivy	(<i>Glechoma hederacea</i>)	FACU
Hackberry, Common	(<i>Celtis occidentalis</i>)	FACU
Honeylocust	(<i>Gleditsia triacanthos</i>)	FAC-
Horsetails - No. I.D.	(<i>Equisetum</i> spp.)	UND
Japanese Honeysuckle	(<i>Lonicera japonica</i>)	FAC-
Jewelweed	(<i>Impatiens capensis</i>)	FACW
Lance-leafed Goldenrod	(<i>Euthamia graminifolia</i>)	FAC
Lurid Sedge	(<i>Carex lurida</i>)	OBL
May Apple	(<i>Podophyllum peltatum</i>)	FACU
Milkweed	(<i>Asclepias syriaca</i>)	N.I.
Moss (No I.D.)	---	---
Multiflora Rose	(<i>Rosa multiflora</i>)	FACU
Musclewood	(<i>Carpinus caroliniana</i>)	FAC
Nannyberry	(<i>Viburnum lentago</i>)	FAC
Nodding Wild Onion	(<i>Allium cernuum</i>)	N.I.
Northern Catalpa	(<i>Catalpa speciosa</i>)	FAC
Onion	(<i>Allium</i> spp.)	UND
Onion, Nodding Wild	(<i>Allium cernum</i>)	N.I.
Osage-orange	(<i>Maclura pomifera</i>)	N.I.

Poison Ivy	(<i>Rhus radicans</i>)	FAC
Privet	(<i>Forestiera</i> spp.)	UND
Queen Anne Lace	(<i>Daucus carota</i>)	N.I.
Red Maple	(<i>Acer rubrum</i>)	FAC
Red Mulberry	(<i>Morus rubra</i>)	FACU
Redtop	(<i>Agrostis alba</i>)	FACW
Reed Canary Grass	(<i>Phalaris arundinacea</i>)	FACW+
Silky Dogwood	(<i>Cornus amomum</i>)	FACW
Silver Maple	(<i>Acer saccharinum</i>)	FACW
Skunk Cabbage	(<i>Symplocarpus foetidus</i>)	OBL
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Slippery Elm	(<i>Ulmus rubra</i>)	FAC
Soft Rush	(<i>Juncus effusus</i>)	FACW+
Soft-stemmed Bulrush	(<i>Scirpus validus</i>)	OBL
Spicebush, Northern	(<i>Lindera benzoin</i>)	FACW-
Sumac - No I.D.	(<i>Rhus</i> spp.)	UND
Sycamore, American	(<i>Platanus occidentalis</i>)	FACW-
Tall Goldenrod	(<i>Solidago altissima</i>)	FACU-
Tartarian Honeysuckle	(<i>Lonicera tatarica</i>)	FACU
Teasel	(<i>Dipsacus sylvestris</i>)	N.I.
Virginia Creeper	(<i>Parthenocissus quinquefolia</i>)	FACU
Water Cress	<i>Nalumbo officinale</i>	OBL
Weeping Willow	(<i>Salix babylonica</i>)	FACW-
White Ash	(<i>Fraxinus americana</i>)	FACU
Wild Mint	(<i>Mentha arvensis</i>)	FACW
Wineberry	(<i>Rubus occidentalis</i>)	N.I.
Wood Rush	(<i>Luzula multiflora</i>)	FACU