







USGS site data						
#	Description	USGS Number	DA (mi²)	Latitude	Longitu de	Information
1a	Mill River at N. Hadley	01170722		42°23'07"	72°34′54″	4 flows (1987)
1b	Mill River at N. Hadley	01170720		42°23'08"	72°34′53″	1 WQ sample (1973)
2	Mill River site 3 near Amherst	01170718		42°23'27"	72°33'46"	No data
3	Mill River site 2 near Amherst (@Mill site road)	01170717		42°23′10"	72°33'03"	2 flows, 1 WQ sample (1987)
4	Mill River site 1 near Amherst (near WWPP)	01170715		42°23′18"	72°32'24"	5 flows (1987)
5	Mill River injection site near Amherst	01170714		42°23′49"	72°32'22"	No data
6	Cushman Brook at N. Amherst	01170710	15.4	42°24′57"	72°30'57"	2 flows (1938, 1965)
7	Atkins Reservoir	422532072291501		42°25'32"	72°29'15"	No data
8	Roaring Brook at E. Leverett	01170700	7.28	42°26′18"	72°28′59"	7 flows and 3 WQ samples (1971-1973)

Lake Nutrient Classification Phosphorus **Trophic State** Conc. (mg/L) Suitable for water-based recreation and propagation of cold water fisheries, such as trout. Very high clarity and aesthetically pleasing. Excellent as a < 0.010 Oligotrophic drinking water source Suitable for water-based recreation but often not for cold water fisheries. Clarity less than oligotrophic 0.010 - 0.020 Mesotrophic Reduction in aesthetic properties diminishes overall enjoyment from body contact recreation. Generally very productive for warm water fisheries. High TOC and algal tastes & odors make these waters less 0.020 - 0.050 Eutrophic desirable as a water supply. A typical "old-aged" lake in advanced succession. Some fisheries, but high levels of sedimentation and > 0.050 Hypereutrophic algae or macrophyte growth may be diminishing open water surface area. Generally, unsuitable for drinking water supply. David A. Reckhow CEE 577 #6

