

Lake ID:

Watershed Id: 0

Hydrologic and Morphometric Data

Tributary Drainage Area: 17447.0 acre

Total Unit Runoff: 9.26 in.

Annual Runoff Volume: 13463.3 acre-ft

Lake Surface Area <As>: 104 acre

Lake Volume <V>: 451 acre-ft

Lake Mean Depth <z>: 4.3 ft

Precipitation - Evaporation: 3 in.

Hydraulic Loading: 13489.3 acre-ft/year

Areal Water Load <q_s>: 129.7 ft/year

Lake Flushing Rate <p>: 29.91 1/year

Water Residence Time: 0.03 year

Observed spring overturn total phosphorus (SPO): 0.0 mg/m³

Observed growing season mean phosphorus (GSM): 0.0 mg/m³

% NPS Change: 0%

% PS Change: 0%

NON-POINT SOURCE DATA

Land Use	Acre (ac)	Loading (kg/ha-year)			High	Loading %	Loading (kg/year)			High
		Low	Most Likely	High			Low	Most Likely	High	
Row Crop AG	0.0	0.50	1.00	3.00	0.0	0	0	0		
Mixed AG	5652	0.30	0.80	1.40	73.3	686	1830	3202		
Pasture/Grass	2378	0.10	0.30	0.50	11.6	96	289	481		
HD Urban (1/8 Ac)	0.0	1.00	1.50	2.00	0.0	0	0	0		
MD Urban (1/4 Ac)	0.0	0.30	0.50	0.80	0.0	0	0	0		
Rural Res (>1 Ac)	251	0.05	0.10	0.25	0.4	5	10	25		
Wetlands	4692	0.10	0.10	0.10	7.6	190	190	190		
Forest	4244	0.05	0.09	0.18	6.2	86	155	309		
Lake Surface	104.0	0.10	0.30	1.00	0.5	4	13	42		

POINT SOURCE DATA

Point Sources	Water Load (m ³ /year)	Low (kg/year)	Most Likely (kg/year)	High (kg/year)	Loading %
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SEPTIC TANK DATA

Description	Low	Most Likely	High	Loading %
Septic Tank Output (kg/capita-year)	0.3	0.5	0.8	
# capita-years	0.0			
% Phosphorus Retained by Soil	98	90	80	
Septic Tank Loading (kg/year)	0.00	0.00	0.00	0.0

TOTALS DATA

Description	Low	Most Likely	High	Loading %
Total Loading (lb)	2373.9	5500.8	9390.1	100.0
Total Loading (kg)	1076.8	2495.2	4259.3	100.0
Areal Loading (lb/ac-year)	22.83	52.89	90.29	0.0
Areal Loading (mg/m ² -year)	2558.50	5928.54	10120.23	0.0
Total PS Loading (lb)	0.0	0.0	0.0	0.0
Total PS Loading (kg)	0.0	0.0	0.0	0.0
Total NPS Loading (lb)	2364.6	5473.0	9297.3	100.0
Total NPS Loading (kg)	1072.6	2482.5	4217.2	100.0