



WATER ON THE WEB
[ABOUT US](#)
[UNDERSTANDING](#)
[DATA](#)
[CURRICULA](#)
[RESOURCES](#)

WHAT'S NEW @ WOW
[SITE MAP](#)

MEDICINE LAKE

data visualization tools
in-lake trends/summaries
real time lake data
lake context

Home : Data : Medicine Lake : summary

Medicine Lake

LAKE SUMMARY		MEDICINE LAKE		ID 27-0104
Hennepin County Plymouth Minnesota				
<div>MORPHOMETRY</div> <div>Elevation = ~100m MSL</div> <div>$A_o = 379 \text{ ha}$ (936 acres)</div> <div>$Z_{max} = 14.9 \text{ m}$ (49 feet)</div> <div>$Z_{mean} = \sim 4.9 \text{ m}$ (16 feet)</div> <div>$V = \sim 18.4 \times 10^6 \text{ m}^3$</div> <div>$A_w:A_o = 12.5 : 1$</div> <div>Shoreline = XXX km (XXX mi)</div> <div>Littoral Area = ~ 47 %</div> <div>Hydraulic Retention Time = not available</div>	<div>WATERSHED</div> <div>35% Residential</div> <div>17% Agricultural/vacant</div> <div>14% Commercial/industrial</div> <div>10% Parkland/public</div> <div>2.8% Major highways</div>	<div>WATER QUALITY</div> <div>Summer Epilimnion (2000)</div> <div>Secchi = 2.0 m ± 1.3 (n=9)</div> <div>chlorophyll a = 18.8 µg/L ± 8.1</div> <div>total phosphorus = 51µg/L ± 23</div> <div>NO3-N = no data</div> <div>NH4-N = no data</div> <div>total nitrogen-N = 1157 µg/L ± 563</div> <div>alkalinity = ~140</div> <div>pH = ~ 8.2</div> <div>EC = ~554 µS/cm</div>		
	<div>SHORELINE CABINS</div> <div>XXX permanent</div> <div>XXX seasonal</div>			
<div>MISCELLANEOUS</div> <div>Stratified in summer</div> <div>Ice Out dates:</div>	<div>FISHERY</div> <div>Panfish (bluegill/black crappie)</div> <div>northern pike</div>	<div>TROPHIC STATUS (Carlson TSI)</div> <div>Eutrophic</div> <div>mean TSI = 63</div>		

	Fish Consumption Advisory	
--	---------------------------	--

>

 [BACK TO TOP](#)



[about us](#) : [understanding](#) : [data](#) : [curricula](#) : [resources](#)
[what's new](#) : [site search](#) : [site map](#) : [contact us](#)

<http://www.waterontheweb.org/data/medicine/context/summary.html>
date last updated: Tuesday March 09 2004