



Lower Eddeleo Lake

Lane County

Willamette/Sandy Basin

Location	
Area	104 acres (42.1 hect)
Type	lake
Use	recreation
Location	1.5 miles northw est of Waldo Lake in Willamette N.F.
Access	6 miles by trail from North Waldo Camp
USGS Quad	Waldo Mountain (24K), Oakridge (100K)
Coordinates	43° 47' 15" N, 122° 04' 37" W
USPLSS	###

Lower Eddeleo Lake is the largest in a string of remote, back-country lakes that extend northwest of Waldo Lake in the Central Oregon Cascade Mountains. The glacial basin in which these lakes are found is part of the Waldo Lake Recreation Area, a ten square mile region administered by the Willamette National Forest. Given this designation, Lower Eddeleo and surrounding lakes will continue to be undeveloped and should retain their primitive nature. The lake is named for Ed Clark, Dee Wright, and Leo McMahon, three former U.S. Forest Service employees who used to stock fish in these lakes by packhorse. Upper Eddeleo Lake does not receive particularly heavy use by fishermen, although it reportedly offers excellent angling for both brook and rainbow trout. The lake is stocked each year and does have some native trout. No improved camp sites are located at the lake, but there are several pleasant, undeveloped ones.

Dense stands of conifer characterize the fairly gentle slopes around Lower Eddeleo Lake, and a thick forest crowds the entire shoreline. Steady surface inflow from a small, unnamed stream is maintained by Lake Chetlo and Upper Eddeleo Lake, which are about one-half mile south of Lower Eddeleo Lake. The outflow stream, also unnamed, is tributary to the North Fork of the Middle Fork of the Willamette River.

Water quality in Lower Eddeleo Lake is exceptionally good and the lake is classified as ultraoligotrophic. Surface water temperatures remain cool and the lake develops a distinct temperature stratification. Concentrations of major ions are very low as are the concentrations of phosphorus and chlorophyll. Further, water transparency is very high (Secchi disk depth = 40 feet; 12.2 meters) and dissolved oxygen is near saturation at all depths.

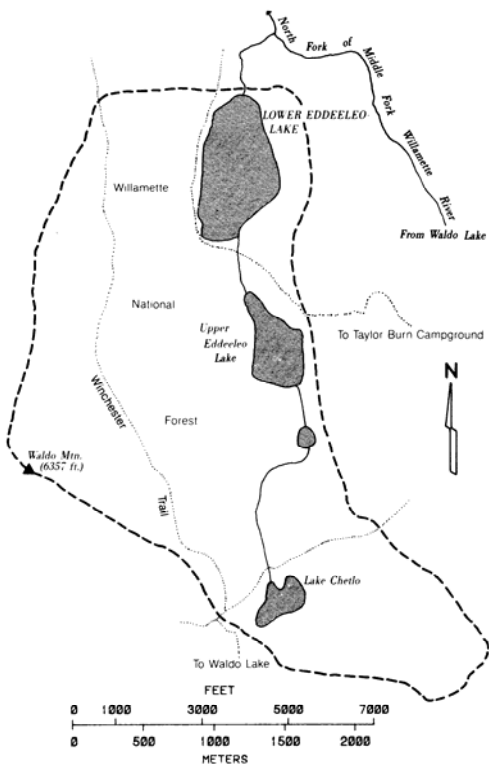


Source: Oregon National Guard, 1981-82. View looking north.

Drainage Basin Characteristics						
Area	2.9 sq mi (7.5 sq km)		Relief	moderate	Precip	70 in (178 cm)
Land Use %	Forest	91.0	Range	Water	Agriculture	
		-			Irrig	Non Irrig
Notes		-			Urban	Other
		-				
Lake Morphometry				Maximum	Average	
Area	104.0 acres (42.1 hect)		Depth	123 ft (37.5 m)	70ft (21.2 M)	
Ave/Max Depth Ratio	0.570		Volume	7,218 acre ft (8.92 cu hm)		
Shoal area	7%	Volume factor	1.70	Shape factor	1.19	
Length of Shoreline	1.7 mi (2.7 km)		Retention time	1 yr		
Notes	-					
Water Quality						
Trophic status	ultraoligotrophic					
Sample date	08/03/82	Temp	65.8F (18.8C)	Diss. Oxygen (mg/l)	7.5	
Transparency	40. ft (12.2 m)	Phosp (mg/l)	0.002	Cholorophyll a (mg/l)	0.1	
Alkalinity	3	Conductivity (umhos/cm)	13	pH	7.0	
Major Ions	Na 0.8	K 0.2	Ca 1.5	Mg 0.3	Cl 0.7	SO4 0.4
Notes	-					

DRAINAGE BASIN

--- Approximate Boundary



TEMPERATURE AND OXYGEN

