



To ask about available formats for the visually impaired call 360-407-7472. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

Publication # 93-10-204

TOTAL MAXIMUM DAILY LOAD

Department of Ecology
P.O. Box 47600
Olympia, WA 98504-7600

Developed pursuant to 40 CFR 130.7 and the Federal Clean Water Act

WATERBODY SEGMENT: WA-47-9020

Lake Chelan

(outlet at TRS 27N-22E-13)

RECEIVING SYSTEM INFORMATION:

Basin: Chelan
County: Chelan

TMDL PARAMETER:

Total Phosphorus

APPLICABLE RULES:

WAC 173-201-035(8)
WAC 173-201-045(5)(viii)

SOURCES COVERED BY THIS TMDL:

Allocation

<u>Type</u>	<u>Source Description</u>
WLA	Chinook Net Pens
LA	Lake Chelan Tributaries and Groundwater

TMDL:

A TMDL for total phosphorus of 51.0 kg P per day to Lake Chelan. This loading rate has been shown to be consistent with maintaining an oligotrophic state at an in-lake total phosphorus concentration of 4.5 ug P/l. The WLA has been set at 0.01 kg P per day (Chinook Net Pens). The background LA is estimated to 57.3 kg P per day. The LA for future growth is set at 0.5 kg P per day.

Technical Documents:

R.W.Beck and Associates. 1991. Lake Chelan Water Quality Plan. Report to the Lake Chelan Water Quality Committee, Wenatchee, WA.

Pelletier, G. 1991. Lake Chelan TMDL for Total P. Memorandum of April 5 to B. Hashim and J. Milton. Washington State Department of Ecology, Olympia, WA.

Patmont, C.R., et al. 1989. Lake Chelan Water Quality Assessment. Harper -Owes report to Washington State Department of Ecology, Olympia, WA.

Public Participation:

The Water Quality Management Plan was developed for a committee of local authorities. A public workshop was held April 19, 1990 to solicit lake user concerns and possible solutions. An survey was also distributed to identify lake user needs and concerns. A final public meeting was held April 30, 1991 to provide information on the plan and allow the public to express concerns to the Water Quality committee before approval. The committee plans to convene quarterly and discuss issues and concerns raised from public participation. Annual public workshops and implementation status meetings are expected.

Implementation:

The Lake Chelan Water Quality Committee signed an interlocal approval of the Lake Chelan Water Quality Plan on February 18, 1992. The committee has the responsibility for guiding the activities necessary for implementation of the plan. A implementation schedule has been approved as part of plan.

Monitoring:

The implementation of the plan includes a strategy for long-term monitoring of water quality. The monitoring program will establish permanent stations and monitor for selected parameters at predetermined times. The basic monitoring program is planned to be repeated on a five year cycle. In addition, The Department of Ecology conducts monthly sampling of total phosphorus and other parameters on the Chelan River near the outlet of the lake.