

LAKE MANAGEMENT PLANS

Water: Pearrygin Lake

Management Type: Trout Only

Location: Near the town of Winthrop, WA, Sec 36, T35N R21E; Sec 31 T35N R22E; Sec 1, T34N R21E; Sec 6, T34N R22E, Okanogan Co.

Size: 212 acres, 48 feet maximum depth, 6,260 acre-feet

Water Source: subsurface flow, plus water delivered via Chewuch Ditch District

Outflow: Chewuch Irrigation District outfall channel

Management History: Since its inception, this fishery has been managed as significant production trout water with excellent public access and camping facilities. Yearling trout have always averaged 11"-12" owing to the abundant food base. The lake opens on the last Saturday in April and closes Sept 30th.

Due to the illegal planting of spiny ray fishes (largemouth bass), fingerling rainbow plants have produced an inferior yearling both in size and robustness. As can be seen in the following table, the size and catch of the rainbows has declined dramatically over the past years. Good production waters should produce 11"-12" yearlings with a catch rate of 4-5 fish/angler.

Year	Average Length/Yearling	Fish/Angler
2000	11"	4.97
2001	11"	4.6
2004	9"	4.0
2005	10"	2.5
2006	10"	1.1

Current Management Objectives:

Continue to manage this lake for a trout only fishery. Provide at least four yearling rainbows and one carryover rainbow trout per angler trip for up to 10,000 angler trips per season.

(1) Fishery Objectives:

<u>Species</u>	<u>Type</u>	<u>Category</u>	<u>Number of Fish</u>		<u>Avg.Size</u>	<u>Exploitation</u>
			<u>/hour</u>	<u>/Angler</u>		<u>Rate</u>
Rainbow	Prod	Standard	2-3	4+	12 inches	80% 1-yr-olds
		Fishery		1+	16+ inches	20% 2+-yr-olds

(2) Angler use objective (# angler days): Season – 10,000 +

(3) Stocking Objectives:

<u>Lake</u>	<u>Species</u>	<u>Number of Trout Stocked</u>			<u>Planting Month</u>
		<u>Total</u>	<u>/Acre</u>	<u>/pound</u>	
Pearrygin	Rainbow	65,000	307	100	April/May

(4) Management Strategy:

- Check yearling growth; should be about 11-12 inches, adjust stocking rate as necessary.
- Expect 80% loss of yearling fish by end of season due to harvest and hooking mortality.
- Maintain about 15-20 percent of the catch at age 2+ years old, 15+ inch fish.
- Monitor angling activity and catch rates annually at opening day surveys.
- Monitor all fish species periodically by electrofishing or netting.
- Control spiny-ray species with rotenone when trout survival is inadequate to produce an acceptable fishery.
- Consider the use of sterile, triploid rainbow trout