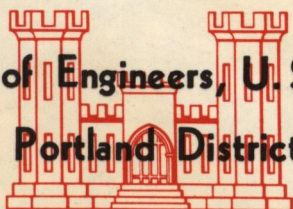


FERN RIDGE RESERVOIR OREGON



Corps of Engineers, U. S. Army
Portland District



1949



Summer Home Cabins on West
Side of Reservoir



View along West Side of Reservoir

FERN RIDGE PROJECT

The Fern Ridge project is one unit of the plan for development of the water resources of the Willamette Basin in the interest of flood control, irrigation, power development, navigation, pollution abatement, and other incidental multiple-purpose uses. This project, located on Long Tom River about 12 miles northwest of Eugene in Lane County, Oregon, was completed in 1941 at an approximate cost of \$4,100,000 including downstream channel improvements.

The operation schedule for Fern Ridge Reservoir contemplates drawdown of the reservoir to minimum stage by late fall to provide full flood control reservation during the critical flood season. Early in the spring the reservoir is allowed to fill gradually so that by the beginning of the conservation season, which usually commences in May, it will normally be full. During the conservation season, the pool is maintained at the highest possible level after downstream demands for irrigation, navigation, pollution abatement and fish life have been satisfied. During the early fall season when stages in the Willamette River are normally lowest, water is released in sufficient quantity to aid in satisfying downstream demands, while at the same time minimum pool stage is being reached to provide full storage for the ensuing flood season.

The wide expanse of the reservoir and its shoreline has proven popular with recreationists for sight-seeing at the dam, pleasure boating, fishing, hunting, swimming and picnicking. The following attendance counts maintained from 1945 to 1948 show a substantial yearly increase.

Year	Bathers	Fishermen	Hunters	General	Total Visitors
1945	6,247	23,549	4,386	18,870	53,052
1946	7,060	51,263	5,272	24,282	87,877
1947	8,310	65,955	6,775	33,183	114,223
1948	7,193	58,333	12,079	42,782	120,387

Year	Autos	Boat Usage
1945	18,978	3,396
1946	27,113	3,516
1947	33,295	5,506
1948	33,486	4,319

Limited funds have been made available for development of such basic public use requirements as access roads, parking areas, picnic facilities, potable water and rest stations at the Point Enterprise and Perkins Peninsula areas and it is anticipated that development will be completed during the 1949 recreation season.

FERN RIDGE DAM AND RESERVOIR

PERTINENT DATA

General

Drainage area - square miles	252
Overall length of dam - feet	6,624

Reservoir

Minimum pool elevation - feet	353
Normal pool elevation - feet	373.5
Minimum pool area - acres	1,480
Normal pool area - acres	9,360
Storage at minimum pool - acre-feet . .	7,000
Storage at normal pool - acre-feet . . .	102,000
Usable storage - acre-feet	95,000

Spillway

Type - gate-controlled, concrete gravity ogee	
Total length - feet	294
Deck elevation - feet	382
Height, foundation to deck - feet	48

Earth Dam Sections

Crest length - feet	6,330
Crest elevation - feet	379.5
Crest width - feet	20
Maximum height - feet	48

Note: Elevations are in feet above sea level.



Boating at Point Enterprise Area



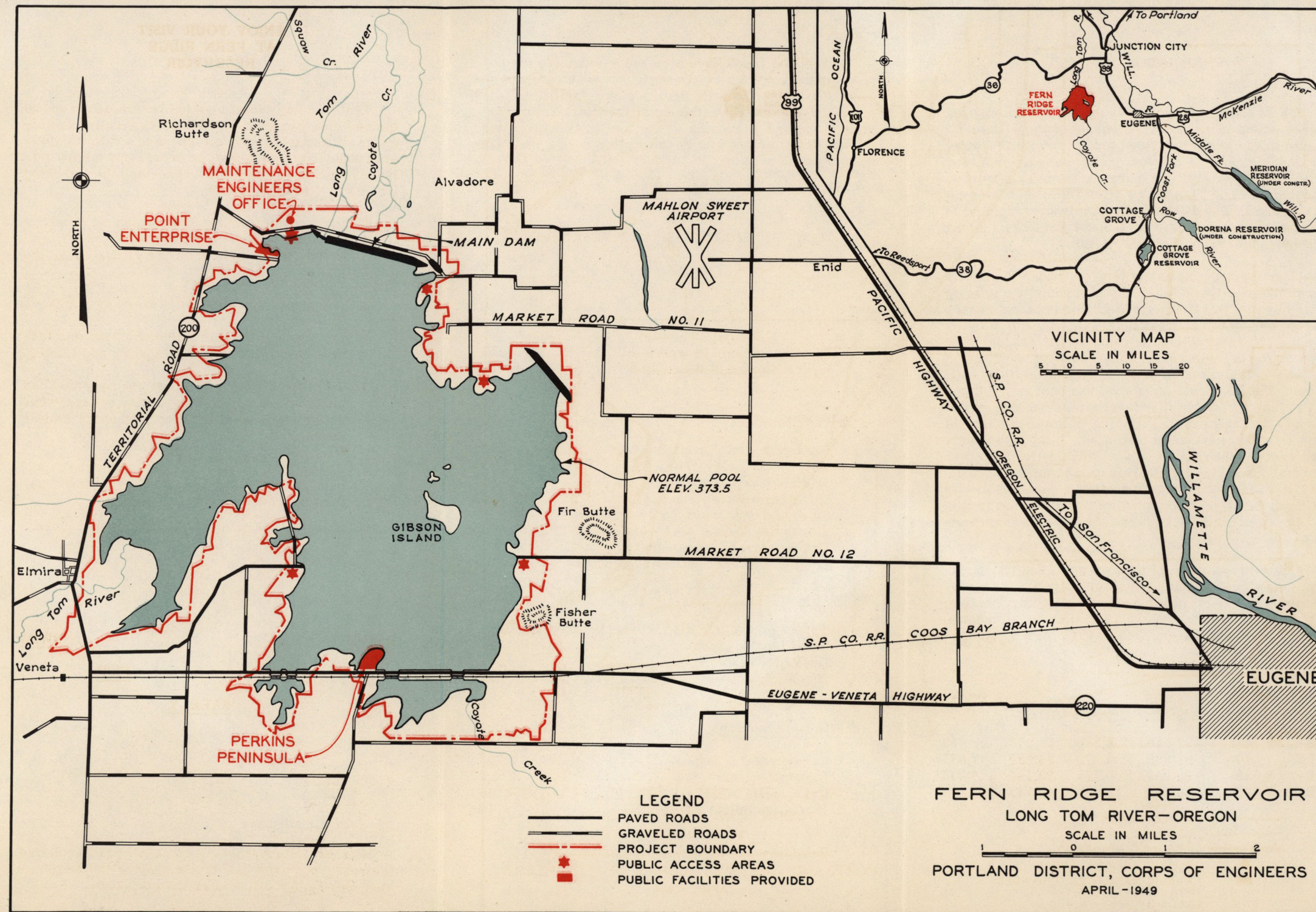
Perkins Peninsula



Point Enterprise from Richardson Butte



Boats at Regatta



ENJOY YOUR VISIT AT FERN RIDGE RESERVOIR

That this enjoyment may not be minimized and to the end that this area may fulfill its greatest usefulness, all who use it and all who appreciate its value are requested to cooperate in preserving its attractiveness and desirability by observing the following **RULES & REGULATIONS**.

1. Protect the forests - Extinguish all fires.
2. Do not throw refuse on the ground or in the lake.
3. Do not damage or remove trees or plants.
4. Comply with all existing local, state, and federal laws with regard to hunting and fishing.
5. To protect lives and property, operators of boats should not use excessive speeds when approaching smaller boats, or shore installations.
6. At least one suitable life preserver per occupant should be carried on board all boats using the reservoir.

DRIVE

HUNT

SAFELY

FISH

SWIM

Further information concerning the public use of the reservoir area can be obtained at the Maintenance Engineer's office near the main dam.