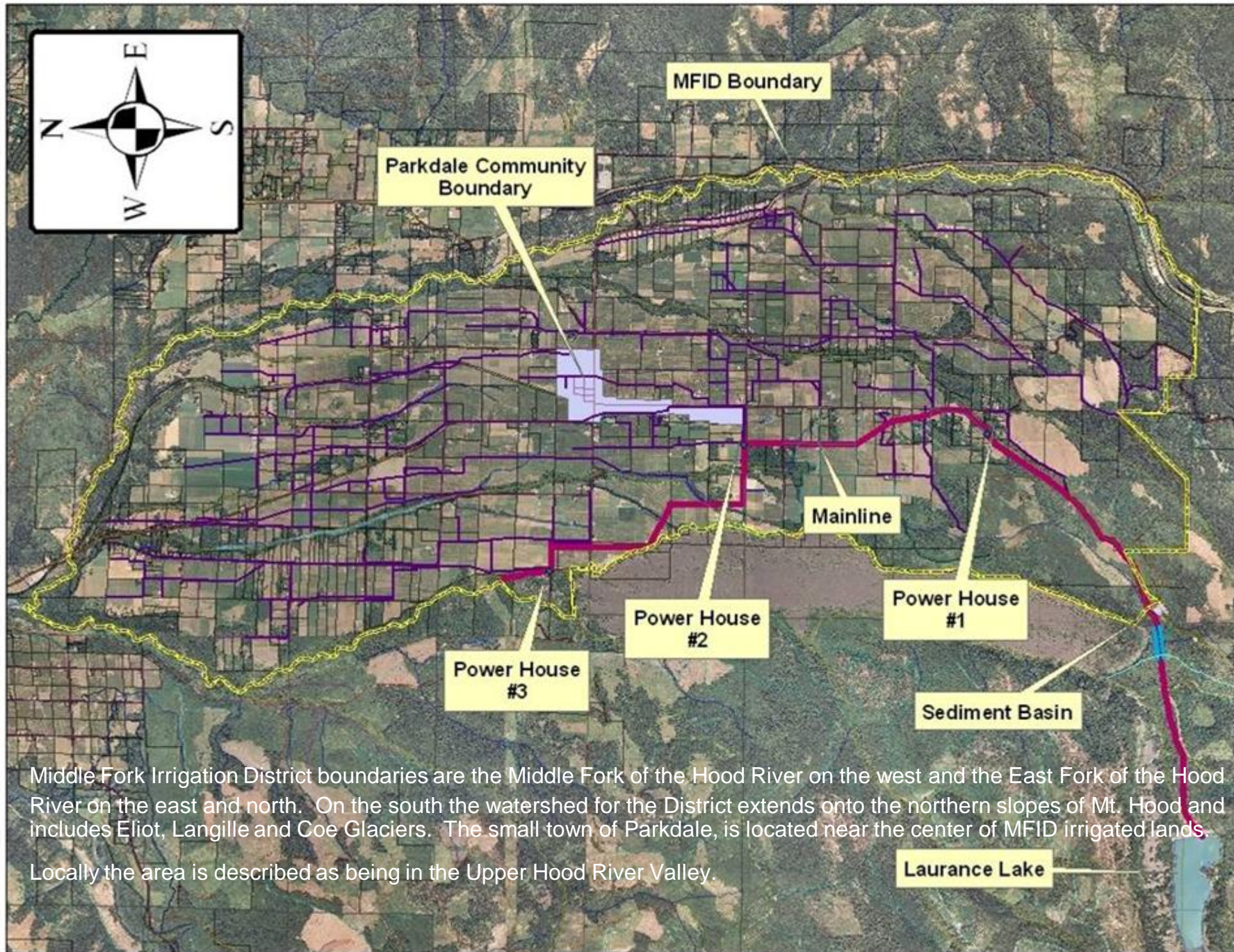




Middle Fork Irrigation District



Middle Fork Irrigation District boundaries are the Middle Fork of the Hood River on the west and the East Fork of the Hood River on the east and north. On the south the watershed for the District extends onto the northern slopes of Mt. Hood and includes Eliot, Langille and Coe Glaciers. The small town of Parkdale, is located near the center of MFID irrigated lands.

Locally the area is described as being in the Upper Hood River Valley.



Hydroelectric power is generated at three locations year around as an integral part of the Middle Fork Irrigation District water distribution system. Within each powerhouse are water turbine generators, control panels and the required hydraulic control and station service equipment. The three powerhouses, allowing for differences in turbine configuration and site requirements, are similar in design and construction. Pelton water turbines are used in powerhouses one and three, where water is returned to the stream at atmospheric pressure. The Francis turbine in powerhouse two is a totally enclosed pipeline system, where the operating head is determined by downstream conditions. Financing for the hydroelectric project totaled 7.5 million dollars.







Clear Branch Dam



The dam is an earth and rock zone fill approximately 1350 feet long with a top width of 28 feet. Height of the dam is 106 feet and water depth at the spillway crest elevation is 100 feet. Construction was under the authority of the Watershed Protection and Flood Prevention Act (Public Law 566).

Minimum flow regimes below Clear Branch Dam are:

3 cfs for the period starting July 10 and extending through October 7 of each year.

50% of calculated reservoir inflow up to 20 cfs from October 8 through July 10.

These flows can be reduced at the discretion of the fishery management agencies if it would be in the interest of fisheries resources to do so in so far as such reduction does not interfere with the primary function of the reservoir.

Laurance Lake Reservoir



When full the spillway elevation is 2978 feet msl. The surface of Laurance lake is approximately 130 acres.