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Work on Lake Project To Begin Here Aug. 1

Preliminary study on the Upper Pine Lake Improvement project has now been completed with actual construction work to begin here Aug. 1.

This was the report received by Roy Atherton, chairman of the Pine Lake Improvement Committee, in Des Moines last week as he conferred with Glen Powers, director of the Iowa Conservation Commission, and Wm. Randolph, state commission engineer for the PL project.

The lake study, which was conducted in the hydraulics laboratory at Ames, revealed that a change in the contour of the shoreline at the lower end of Upperd Pine Lake will be necessary so water may enter the dam and spillway with a minimum of turbulenec.

Model studies indicate that the profile of the dam will have to be changed considerably. It will be necessary to elevate the dam six feet and extend the upward side of the dam toward the lake quite a distance. This will cause the "seep line" to be below the surface of the lower edge of the dam when it is completed.

Preliminary estimates indicate that some 65,000 cubic yards of earth will be used in the dam structure. In the wings and spillway, probably more than 500 cubic yards of concrete will be used.

It is believed that three to four months will be needed to complete the project. The entire shore line of the newly constructed area will need to be rip-rapped to prevent waves from washing away surrounding soil.

The water level of Upper Pine Lake will be slowly lowered during the month prior to the start of construction. It is important that the water from the lake is removed slowly to avoid unnecessary stress on valves and other equipment. The present sluiceway will be excavated and repaired as needed. It will be lengthened to accomodate the the new width of the dam.

The purpose of the Pine Lake project was to raise the dam at the lower end of Upper Pine Lake so that the surface of the lake would exceed 100 acres. This would permit the use of motor boats in compliance with Iowa law.