

## Woodland Pond Dam Description

Woodland Pond is owned by the Woodland Pond Lakefront Association (WPLA). It covers approximately 118 acres with 2,242 acre feet maximum storage capacity. The pond was formed by damming Licking Creek, and it collects rain water runoff from approximately three-square miles in Woodland Pond Subdivision and Pocahontas State Park.

Woodland Pond Dam is an earthen dam and was constructed in 1970. The dam is located at 11300 Taylor Landing Way, Chesterfield, VA 23838.

Dam length 1370 feet  
Dam height 35 feet  
Crest width 14 feet  
Normal pool elevation 174 ft  
Dam crest elevation 180.6 ft  
Dam toe elevation 146 ft  
Upstream slope 3:1  
Downstream slope 3:1

The principal spillway consists of a 48" RCP riser structure and a 30" HDPE culvert that outfalls to a Class I rip rap-lined, trapezoidal channel (Licking Creek). A 16-inch gate valve and pipe are located in the bottom of the riser to serve as a low level drain for the pond. The principal spillway is engaged at an elevation of 173.3 ft.

The emergency spillway is a grass lined, trapezoidal channel with a base width of 70 feet and 3:1 side slopes located at the right abutment. The emergency spillway is engaged at an elevation of 175.9 feet.

The pond water level is continuously monitored by Richmond Alarm Company, who will notify the WPLA if the water level drops quickly or rises above set alarm points. Water Level Sign Boards are located at the principal spillway and at the boat ramp to assist in determining when emergency action steps are warranted. (Figure 1.)

Figure 1. Water Level Sign Board

