

June 21, 47.

WJK47-06-21-01

Served a small stream on the southern tract of the Better Lake Wildlife Refuge.

486 W 75 T 1030 Clear.

Water clear white; bottom silt and muck, sometimes 2 1/2 feet deep, some small areas of sand and gravel. Current moderate to slow.

Vegetation absent except for a few masses of floating algae. Pools large, 15 inches deep, 10-40 feet long, 10 feet wide. Ripples much smaller mostly 1 foot wide, 1/2 inches deep. Water through concrete culvert 1 foot wide and 1/2 inches deep.

Hydrogen sulfide present.

Darters restricted to ripples

1 *Apprinodon* seemed pugnacious

Served a shallow sink hole. 100 yds x 60 yds.

WJK47-06-21-02

490 W 80 (W 82 in a shallow *Najas*-filled cut off area).  
1230 Clear. Elev 3700

This is one of a series of sink holes all of which are connected (artificially). Some are deep, some are shallow. Water clear white except on the shore where turbid due to high wind; Bottom silt except in <sup>Ruppia</sup> *Najas* area where it is much. Veg. in pond *Characeae* and *Salt grass*. Size of Served 18 inches to 0.