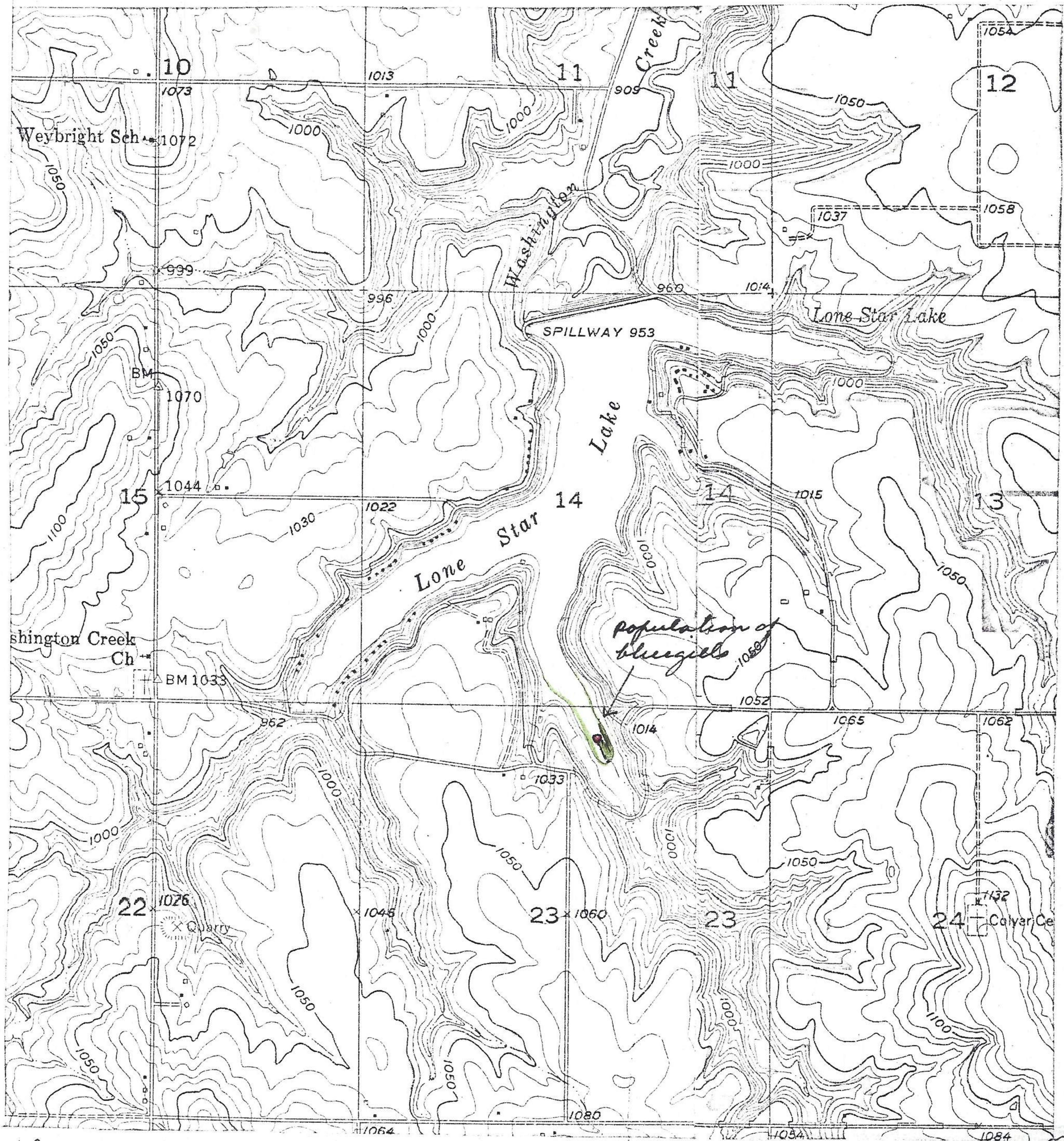


690706-156
In the past, the percentage of bluegills to green ^{sunfish} has been reversed, however the fishing time was evening. Crappie are also taken in evening but uncommonly so in other parts of the day.

Lone Star Lake, Douglas Co. Kansas

July Aug. 14, 1969

at a point indicated on map below, checked the breeding grounds of the blue gill (*Lepomis macrochirus*). Time 8:00 P.M. to 8:30 P.M. now mid, sky clear, water temp 84°F. Sample of population by gray buckley no 14 hook.



Spawning area 18 x 10 ft, water 20" deep. Cattails to S, 2 submerged willows to N. Bluegills Confined to red area and none beyond limits. nest in soft lake-bed beneath willows, floating leaves of cattails and at edge of upright cat-tails. Other favorable adjacent areas did not support bluegills.

