

was 1 foot deep. On the W side was approx. 15 feet or more deep. Soils red and coarse. Excellent microtine trails (mainly *Microtus ochrogaster*) in swales and on ridges of contours. Nests on ridges. 1 tree sparrow. 11:54 drainage and road to N crossing valley. 4 tree sparrows. Will cross valley to check birds & mammals in an area that was flood not too long ago. Sun breaking thru & temp 31°F . Just warm enough to melt surface muds and making walking difficult. Raccoon, rabbit, deer, coyote tracks in area to base of slope. 12:05 marsh hawk. 12:07 cement bridge 1 gal. to 15 sec. Debris on top of dike to left and apparently water cover in high water period. 12:16 N end dike. A marsh hawk searched S along dike and flew to within 20' of me before recognizing me. 12:30 raccoon track in mud and first track since S side of valley. 12:35 bridge at Rock Creek. (bridge down). Coyote tracks (2) going N from N end dike to bridge. No tracks along dike area to cement bridge and 1 pair trending S from the cement bridge. Left bridge 12:35⁴⁸ and returned to S side valley. No crayfish in saturated soils. 1:12 N end dike. 1:21 cement bridge. 1:33 ^{main old} road. 1:37 new road. Will follow this road as far as practical. 1:47 road to boat ramp. Beyond is unpaved and because of mud is almost impossible to navigate so am traversing fields of at side of road in vegetation. 1:48 major drainage and old cement bridge. Fox tracks crossed road here. 1:56 major drainage at old wood bridge (fallen) (head ramp Canyon). 2:03 passing road to promontory. 2:07 major drainage passing N of rock quarry. 2:14 shrub. 2:16 S end quarry below. 18 mallards resting on ice until an army helicopter alighted at rock quarry. 2:30 rock fence & road to left at base of hill where main road goes up hill. 2:47 flicker red tail. 2:55 2 song sparrows in brush in creek, also 1 slate-colored junco. 3:06 blue jay, 4 slate colored juncos, red-headed woodpecker, 4 blue-capped chickadees, 2 titmice. 3:15 2 slate-colored juncos, 2 song sparrows. 3:23 arrived at car. Temp 40°F , sky hazy + 60° blue. The rock protected slope on the north side of dam is indeed a major modification of the ecology of this area and represents the most extensive rock habitat of any place I know. It would be interesting to see if mammals utilize this association. It might be a good place for marmots. Most birds were noted in the last 20 minutes of the census. Elsewhere birds extremely scarce.