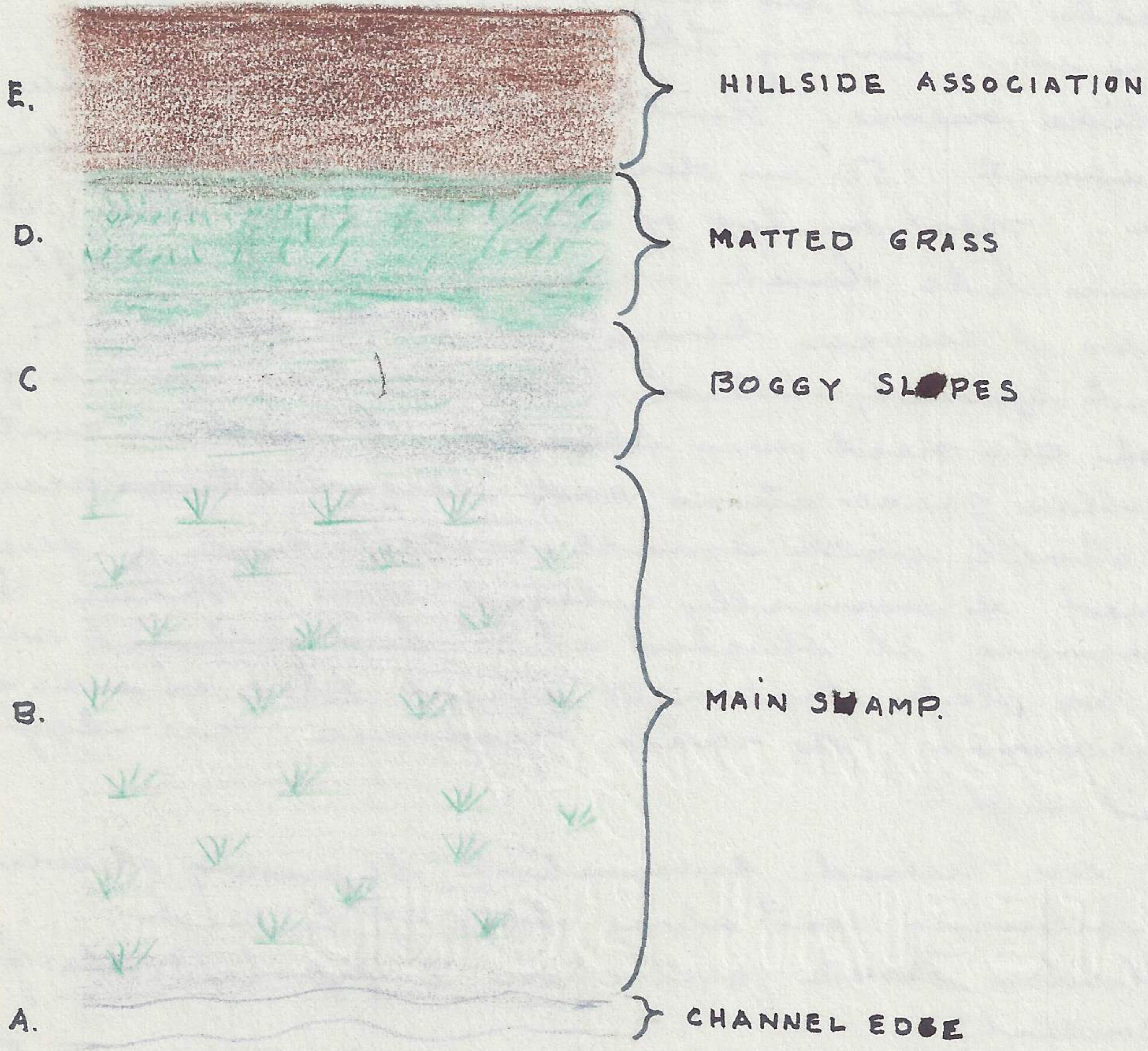


and pubescent plant about 5" high association. It looks much like a lawn. The soil is damp but not dry. This area runs up to and abuts against the <sup>dry</sup> hillside <sup>plant</sup> association. The contact is abrupt but slight intergradation present. The dry hillside grasses invade the matted grass & lower association for about 6 feet ~~but~~ becoming smaller & smaller due to competition and too much moisture and finally end at the six foot line as being only an inch or two in height as compared with the foot high grass of the hillside. (6) Hillside association. It is covered with lava boulders a few small oak bushes and other small plants & bushes. The ground is dry and shows the feet imprints of *Citellus* (?) Aspen grow upon this hillside. Throughout the hillside are found numerous holes under rocks and along their sides. Most of the second series of traps were placed near matted grass & hillside contact only a few feet from likely muskrat territory in some cases. Ranging from 4' to 45' up hillside and along a 150' base line bordering swamp.



The first series were placed in zones A, B, C, and particular in main Swamp - Boggy slope contact where standing water meets the saturated soils supported denser grasses and the numerous runways. The main swamp was not a favorable area because of deep water but near boggy slope contact where till sedge became more matted and the water became shallower the muskrat signs of chewed grass stems and runways became more in evidence. Was interested to know to what degree the muskrat crossed the matted grass area and how far

up the hillside association area they might wander in their nightly activity. Tonight's trapping will tell. Located old mallard nest 40' from other two nest that were located previous. It was deserted and disrupted but three egg shells still remained. The three mallards nests, so far, form a triangle with 40' between the three points of the pattern. It is rather interesting in that there is three stages represented, fresh eggs, young just hatched and old abandoned nest. It may be possible that one male controls the three birds or they might even join