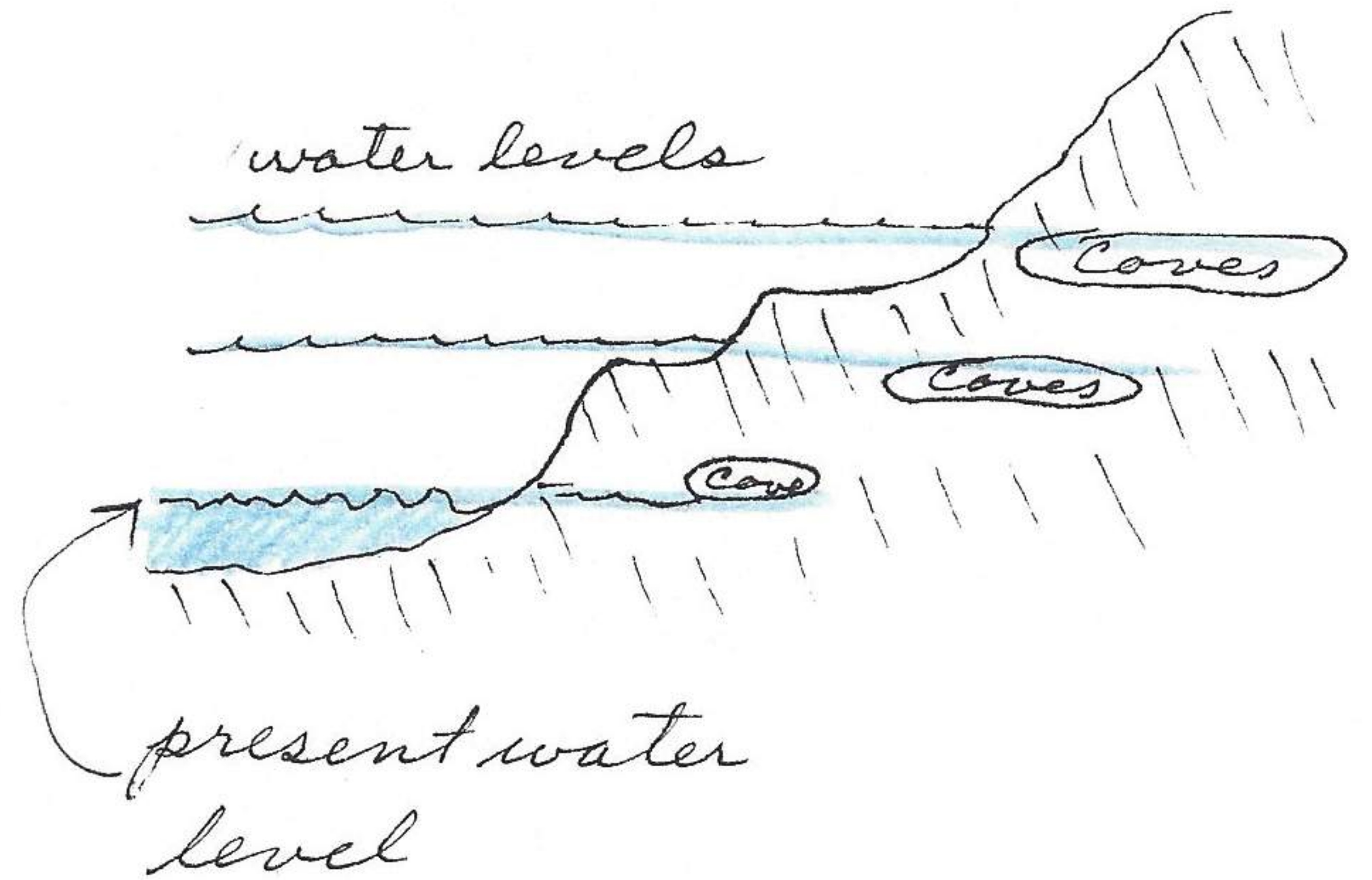


mammoth Cove National Park, Mammoth Cove, Kentucky.

Nov. 12, 1980

2 turkey vultures flew over camp just before sunrise, also 3 deer moved into timber from night's grazing in open fields. measured leaves on ground (4-8) averaging 6 inches deep. The leaves in the east, in contrast to Kansas deciduous forests, are everywhere and make continuous covering under trees and of much greater depth than to west. This A.M. at 11:35 made trip to Niagara cave, one deer. This cave is outstanding and supports many and delicate stalagmites and stalactites. The National Park should research the dust & dirt on formations created by trail-making and other man associated influences. I believe that if man produced they should be clean to original native cave surface. This afternoon took nature trail to river and return to N. At 1:30 turkey vulture flew by over river. Gray squirrel. At river could see how erosion of river valley could have produced the cave system from evidence of erosional levels. Other birds observed were 9 turkey vultures in one group, blue jay, 2 downy woodpeckers gray squirrel, 2 slate colored juncos. From vantage point on trail that circles NW from Mammoth Cove



entrance took photo 80112-1 of sycamores in Green River Valley. These valleys are characterized by sycamores as the valley floor tree. no. 80112-2 of upper branches of one of the trees. Some large trees have lightning rods & cables leading to base of tree and I believe they should be removed. Considerable smoke in air from forest fire. Another turkey vulture flew by. This evening drove to Great Onyx to check on deer (after dark). no mammals of any kind but back at visitor Center lawns saw large bucks in deer herd for first time at the park.

Nov. 13, 1980

min. temp. last night 32°F. deer come on to lawn at sundown and leave about 8:00 A.M. 3 pass by camp. Have seen 11 raccoon at Mammoth Coves this visit.