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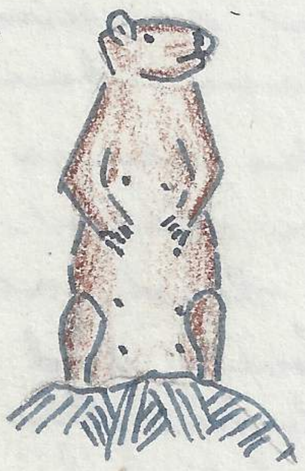
These boulders here however are not creek or water worn and represent a flow accumulation. Regardless of the decided contrast between the rough surfaced area and the gently sloping adjoining hillside. The boulders seem to blend into the surroundings because of the varied colored lichens of white, black, brown but predominately green. These lichens practically subdues the original red andesitic lava boulders. The patch has a gradual slope from its west end to its s. east end rising more abruptly however at its upper hillside contact. Beyond it west side the hillside rises more abruptly and is covered with soils and normal vegetation while to the east of its lower end the hillside terminates in a long bench like formation. Sat here at the edge and watched for several minutes before four young marmots (1½ as large as parent) presented themselves. At first I saw two heads with just their ears and eyes peering over the top of the rock.

With a little more confidence the entire head was thrust above the rock.

and finally the entire body was exposed in a resting position upon the warm rock.

10:30. Female arrived on scene 40' away and 80' from young ones. First she peered over top of rock in a similar manner to the procedure followed by young ones, but continued and finally stood upon boulder with entire body erect.



10:33 Female moved within 25' of observation point and stood erect

10:35 Moved across in review and stood again erect on top of boulder at 20' distance away, then after inspection intruder took her station 80' away on top of rock and remained in a reclined position upon the flat surface. She was now within 30' of young ones. The young ones kept within 10' of each other and at no time did they leave the immediate vicinity of their home.

10:37. George arrived at lower end of slide and the ♀ disappeared. but the young ones remained even after George shot at a young chipmunk at lower end of slide. A few seconds after this shot they left top of rocks but (one) reappeared 2 minutes later. for 20 seconds then left again. No calls given as yet. One minute after disappearance of above, another appeared and remained and 30 seconds later all four were back on rocks again.

10:42 George arrived at observation point & all left

10:44 One young appeared & rested upon rock.

10:48 ♀ appeared then retired.

Hummer passed 10' infront of me and disappeared among the rock chasm beneath for inspection.

10:54 ♀ and all young are now resting upon tops of rocks but ♀ still 30' from young ones. They are lying flat on the rocks with abdomen covering as much surface as possible. Legs out at the side.