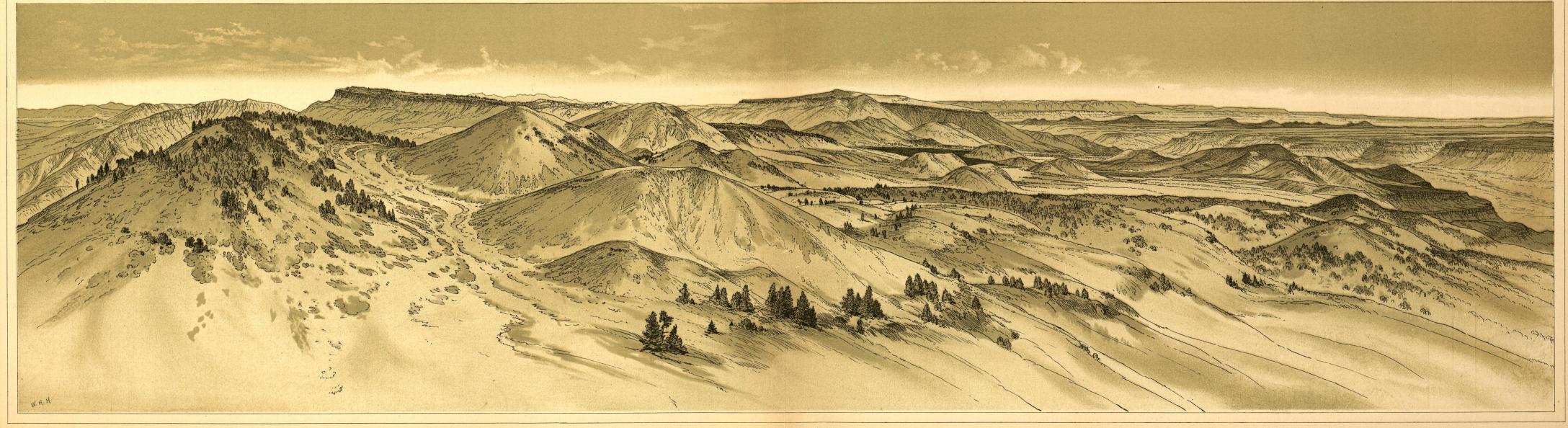
UNITED STATES GEOLOGICAL SURVEY.

THE GRAND CAÑON DISTRICT. ATLAS SHEET X





UPPER VIEW LOOKING NORTH FROM MT TRUMBULL.

In the fore and middle-ground are basaltic cinder cones. In the distance on the left is the northern part of the Sheavwits Plateau and the Hurricane Ledge is between. In the middle background is the cliff terminating a part of the main Permian terrace. In the right background are the Vermilton Cliffs, 40 to 50 miles distant and 2,000 feet high.

LOWER VIEW LOOKING NORTH-EAST FROM MT EMMA.

In the center is Mt. Trumbull and far beyond on the right the Vermilion Cliffs disappearing a hundred miles away. To the left of Trumbull is the Logan Platform a basaltic plateau with Permian beds beneath the lawa cap. On the extreme right middle distance is the Toroweap. In the foreground and middle distances are numberless basaltic cinder cones. At the base of Trumbull is the black field of very recent lawa.