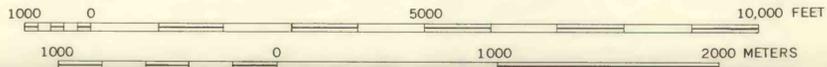


MAP OF SHADOW MOUNTAIN FAN, ASH MEADOWS QUADRANGLE, CALIFORNIA AND NEVADA

116° 22' 30"  
Base map from Topographic Division U. S. Geological Survey multiplex compilation sheet. Outlines of channels, pavements, and washes drawn with Kelsh plotter from aerial photographs

116° 15'  
Geology mapped by C. S. Denny, assisted by H. F. Barnett, J. P. D'Agostino, and Jack Rachlin, 1956-58



EXPLANATION

Recent	<b>Qg</b> Unweathered gravel Boulder to pebbly gravel and sand. Fragments both slab-shaped and blocky with angular to slightly rounded edges Surface form of deposit Braided channels and ridges—the modern washes—with a microrelief ranging from 1 to 3 feet	QUATERNARY	<b>Qal</b> Alluvium along Carson Slough and on Alkali Flat Sand, silt, and clay	TERTIARY AND QUATERNARY	<b>Qf</b> Fanglomerate Conglomerate, breccia, sandstone, and subordinate tuff. Underlies low hills north of fan and small areas of pediment along its southern margin	Contact Contacts between units of Pleistocene and of Recent ages are generalized or diagrammatic
	Pleistocene and Recent		<b>Qs, Qgv, Qgp</b> Arid-basin sediments Qs, silt, sand, clay, and subordinate gravel Qgv and Qgp, bouldery to pebbly gravel, breccia, sand, and silt; fragments dominantly quartzite, commonly cemented by caliche Surface form of deposit Qs, plain commonly with salt crust, and shallow washes. Includes small areas of abandoned wash Qgv, abandoned washes floored with layer of varnished rock fragments. Surface consists of broad ridges and swales with a microrelief commonly of about 1 foot, but not more than 2 feet, that are the somewhat subdued remnants of braided channels. Includes many narrow modern washes floored with unweathered gravel (Qg), especially on lower part of fan Qgp, desert pavement. Armor of varnished fragments forming a nearly plain surface. Fragments range from pebbles to boulders and touch each other. Fragments are commonly angular and appear considerably weathered		<b>Tsc</b> Sandstone and clay Chiefly brown, yellow, or gray sandstone and clay, with subordinate siltstone, shale, tuff, limestone, and conglomerate. Underlies a pediment	Arbitrary north and south boundary of Shadow Mountain fan
Middle or Upper Cambrian		<b>Tf</b> Fanglomerate Reddish-brown conglomerate and breccia. Forms hills	Outline of drainage area			
		<b>Cl</b> Unidentified limestone and dolomite	—2400— Contour Interval 200 feet			
Lower Cambrian	<b>Cs</b> Stirling(?) Quartzite Light-gray, reddish-brown, and greenish-gray quartzite with subordinate micaceous shale and quartzite pebble conglomerate; a little of the underlying Johnnie(?) Formation may be included	<b>Cs</b> Sample locality	Segment of fan east of Alkali Flat Area of wash with slightly cone-shaped surface (0.55 sq mi)			
			Arbitrary north and south boundary of fan east of Alkali Flat			