UNITED STATES DEPARTMENT OF THE INTERIOR PROFESSIONAL PAPER 576-A GEOLOGICAL SURVEY PLATE 8 LE-450 LE-428 DV-1 DVR-2 DV-52 Fine- to medium-fine-grained; contains carbon-Fine- and medium-fine grained; contains greenish-Fine-grained; contains minor greenish-gray mudaceous fragments; greenish-gray mudstone gray mudstone pebbles and carbonaceous Fine-grained; contains traces of carbonaceous seams at base fragments Fine- and medium-fine-grained; contains thin seams material; thin brownish-red layers near top: Fine-grained; contains greenish-gray mudstone Minor greenish-gray mottling of greenish-gray mudstone traces of carbonaceous material pebbles Locally mottled light greenish gray Medium- to medium-fine-grained; contains carbon-Fine-grained; contains carbonaceous fragments -Contains abundant calcite aceous fragments and pebbles and seams of and local films and seams of gray mudstone greenish-gray mudstone; minor light-reddish-Fine-grained; contains carbonaceous fragments; Minor gray mottling brown zones near top -Very fine grained; contains numerous thin seams of reddish-brown mudstone Fine-grained; contains a few greenish-gray mud-Minor greenish-gray mottling stone pebbles; traces of carbonaceous material Minor gray mottling Contains traces of carbonaceous material Contains thin tightly cemented layers of very fine Very fine grained; grades to fine grained at bottom; Medium- to medium-fine-grained: contains Very fine grained at top; grades to fine grained at grained light-greenish-gray sandstone numerous pebbles of reddish-brown mudstone Minor gray layers greenish-gray mudstone pebbles and carbonbase; minor reddish-brown mudstone seams aceous fragments; tightly cemented at base Fine-grained; contains minor amounts of carbon-Minor greenish-gray mottling aceous material Fine- and medium-grained; contains numerous Medium- to medium-fine-grained; contains thin reddish-brown mudstone pebbles and seams seams of greenish-gray mudstone and carbon-Abundant greenish mottling; contains a few layers Minor greenish-gray mottling aceous fragments; tightly cemented at base of very fine grained sandstone as much as 1 foot Fine-grained; tightly cemented by calcite at base; Contains thin quartzitic layers Locally contains greenish-gray seams; also contains numerous pebbles and seams of gray and Locally mottled light greenish gray thin layers of very fine grained light-gray sand-Medium-fine-and medium-grained; contains car-Mottled greenish gray bonaceous material in lower half; thin quartzitic Medium-fine-grained to fine grained at base; traces layers in lower half; greenish-gray mudstone of carbonaceous material; numerous pebbles and seams in lower half Fine- and medium-grained; numerous reddish-Fine-grained: contains a few reddish-brown mudseams of greenish-gray and reddish-brown brown mudstone pebbles and seams stone seams in lower half Mottled greenish gray; contains thin, sandy layers Very fine grained at top; grades to medium grained Contains abundant calcite; minor greenish mottling Fine to very fine grained; tightly cemented by calcite Locally mottled greenish-gray; contains thin tightly at base; contains minor reddish-brown mudstone Very fine grained Contains tightly cemented thin layers of very Contains thin layers of fine-grained sandstone cemented layers of fine-grained sandstone Fine-grained; contains numerous seams of reddishfine grained sandstone and thin greenish-gray Minor greenish mottling brown mudstone Fine to very fine grained; contains numerous seams Contains abundant calcite; minor greenish mottling of reddish-brown mudstone; highly calcareous Fine grained at top; grades to medium grained at Fine-grained; contains numerous seams of reddishbase; contains seams and pebbles of reddishin lower part Medium-fine- and fine-grained Mottled greenish gray; thin, tight layers of sandbrown mudstone Very fine and medium-grained in alternating layers; numerous reddish-brown mudstone pebbles and Fine to very fine grained; highly calcareous Contains thin layers of very fine and medium-Contains thin greenish layers and thin, tightly grained sandstone; sandstone layers are tightly cemented layers of sandstone Fine- to medium-grained Locally mottled greenish gray; contains thin tightly Contains thin very fine grained sandstone layers cemented layers of fine and very fine grained Fine-grained; contains minor seams and pebbles which are light gray and contain minor amounts of reddish-brown mudstone; locally mottled Minor greenish mottling of carbonaceous material Fine- and medium-grained; contains seams and light gray; contains abundant calcite Fine- to medium-fine-grained; contains numerous pebbles of reddish-brown mudstone: locally pebbles of greenish-gray and reddish-brown tightly cemented by calcite; becomes light gray Very fine and medium-grained in alternating layers; mudstone numerous reddish-brown mudstone pebbles and Sandy and mottled greenish gray; carbonaceous material Becomes sandy at base Medium-fine- to medium-grained; contains pebbles Fine to very fine grained of reddish-brown mudstone; tightly cemented at Fine-grained; contains traces of carbonaceous Fine-grained; contains abundant calcite Thin greenish-gray layers Fine- to medium-grained Fine-grained: contains abundant calcite and Sandy and mottled greenish gray; contains carnumerous seams of reddish-brown mudstone bonaceous material Fine and very fine grained; contains carbonaceous Medium-fine- and medium-grained; contains seams material and minor greenish-gray mudstone of reddish-brown mudstone and traces of carbonaceous material; tightly cemented at base Fine- to medium-fine-grained: contains carbonaceous material, increasing toward base; minor 109° pebbles of greenish-gray mudstone Geology from diamond-drill core logs by D. R. Shawe, W. B. Gazdik, W. R. Barton, O. T. Marsh, E. L. Boudette, and G. C. Simmons, 1954-56 XGYPSUM VALLEY ANTICLINE **EXPLANATION** FEET Slick DVR-2 Slick Rock Mudstone, reddish-brown 50 Mudstone, greenish-gray LE-428 to gray -Outline of Slick LE-450 Rock district 100 Egnar Sandstone, light-red to (80) reddish-brown Sandstone, light-brown - 150 to light-gray 10 MILES

COLUMNAR SECTIONS OF THE SALT WASH MEMBER OF THE MORRISON FORMATION SHOWING THE INFERRED CONTACTS BETWEEN THE LOWER, MIDDLE, AND UPPER UNITS IN THE NORTHERN PART OF THE SLICK ROCK DISTRICT, SAN MIGUEL COUNTY, COLORADO

LOCATION OF SECTIONS