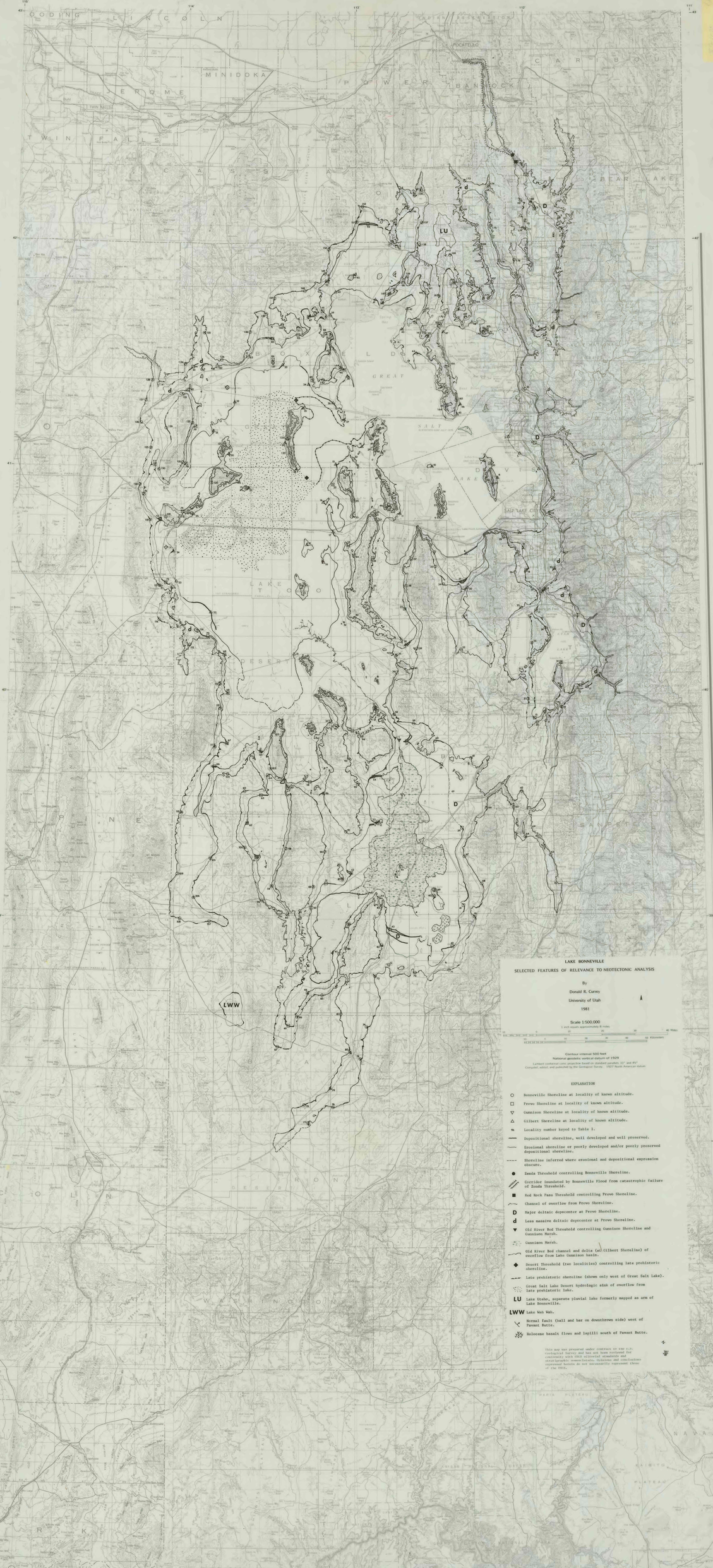
LAKE BONNEVILLE
SELECTED FEATURES OF RELEVANCE TO NEOTECTONIC ANALYSIS
By
Donald R. Currey
University of Utah
1981
Scale 1:500,000
1 inch equals approximately 8 miles
Contour interval 500 feet
National geodetic vertical datum of 1929
Lambert conformal conic projection based on standard parallels 33° and 45°
Compiled, edited, and published by the Geological Survey 1927 North American datum
EXPLANATION
Bonneville Shoreline at locality of known altitude.
Provo Shoreline at locality of known altitude.
Gunnison Shoreline at locality of known altitude.
Gilbert Shoreline at locality of known altitude.
Locality number keyed to Table 1.
Depositional shoreline, well developed and well preserved.
Erosional shoreline or poorly developed and/or poorly preserved depositional shoreline.
Shoreline inferred where erosional and depositional expression obscure.
Zenda Threshold controlling Bonneville Shoreline.
Corridor inundated by Bonneville Flood from catastrophic failure of Zenda Threshold.
Red Rock Pass Threshold controlling Provo Shoreline.
Channel of overflow from Provo Shoreline.
Major deltaic depocenter at Provo Shoreline.
Less massive deltaic depocenter at Provo Shoreline.
Old River Bed Threshold controlling Gunnison Shoreline and Gunnison Marsh.
Gunnison Marsh.
Old River Bed channel and delta (at Gilbert Shoreline) of overflow from Lake Gunnison basin.
Desert Threshold (two localities) controlling late prehistoric shoreline.
Late prehistoric shoreline (shown only west of Great Salt Lake).
Great Salt Lake Desert hydrologic sink of overflow from late prehistoric lake.
LU Lake Utabe, separate pluvial lake formerly mapped as arm of Lake Bonneville.
LWW Lake Wah Wah.
Normal fault (ball and bar on downthrown side) west of Pavant Butte.
Holocene basalt flows and lapilli south of Pavant Butte.
This map was prepared under contract to the U.S. Geological Survey and has not been reviewed for conformity with USGS editorial standards and stratigraphic nomenclature. Opinions and conclusions expressed herein do not necessarily represent those of the USGS.
LU
LWW
D
d
BEAR LAKE
GREAT SALT LAKE
SALT LAKE CITY
LAKE TOOELE
WASATCH
SANPETE
PAVANT
MINIDOKA
POWER
BANNOCK
CARIBOU
TWIN FALLS
CASSIA
JEROME
LINCOLN
GOODING
POCATELLO
WASHINGTON
IRON
BEAVER
PARK
NAVAJO
HOPI
PLATEAU