MAP OF MOJAVE RIVER BASIN, CALIFORNIA, SHOWING MODEL STUDY OF IMPORTED WATER RECHARGE ON RIVER SYSTEM

Distance water moves downstream at various recharge rates, at indicated time interval:
- 10,000 acre-feet per year
- 25,000 acre-feet per year
- 50,000 acre-feet per year

Fault
- Dashed where approximately located

Model boundary
- Dashed where recharge enters or discharge leaves basin

Mojave River channel
- Solid line indicates potential streamflow

Hydrologic profile
- Showing water-level changes, in feet, from 1930

Location of profile
- Effects from basin pumping

Effects from artificial recharge put in river at end of potential Mojave River flow, with all Silver Mountain at rate of 50,000 acre-feet per year starting 1972 with basin pumping

Model assumptions
1. Historical pumping, 1930-63
2. Future pumping, 1964-2000, assumed at 1960-63 rate; except in Barstow complex, pumping based on projected use
3. Average flow in Mojave River, 1951-63

3/30/60 - 3/89

Base from U.S. Geological Survey topographic map of Southern California, 1:250,000 - 1939

Barstow complex pumping