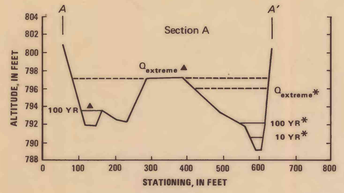
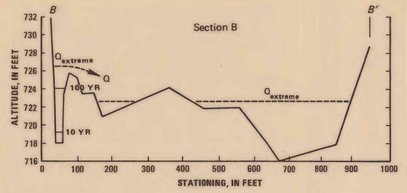
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

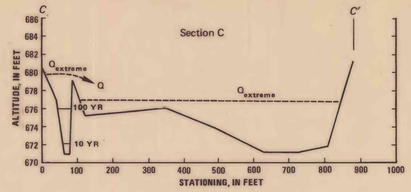
Prepared in cooperation with the
NATIONAL PARK SERVICE

OPEN-FILE REPORT 80-1216
PLATE 1



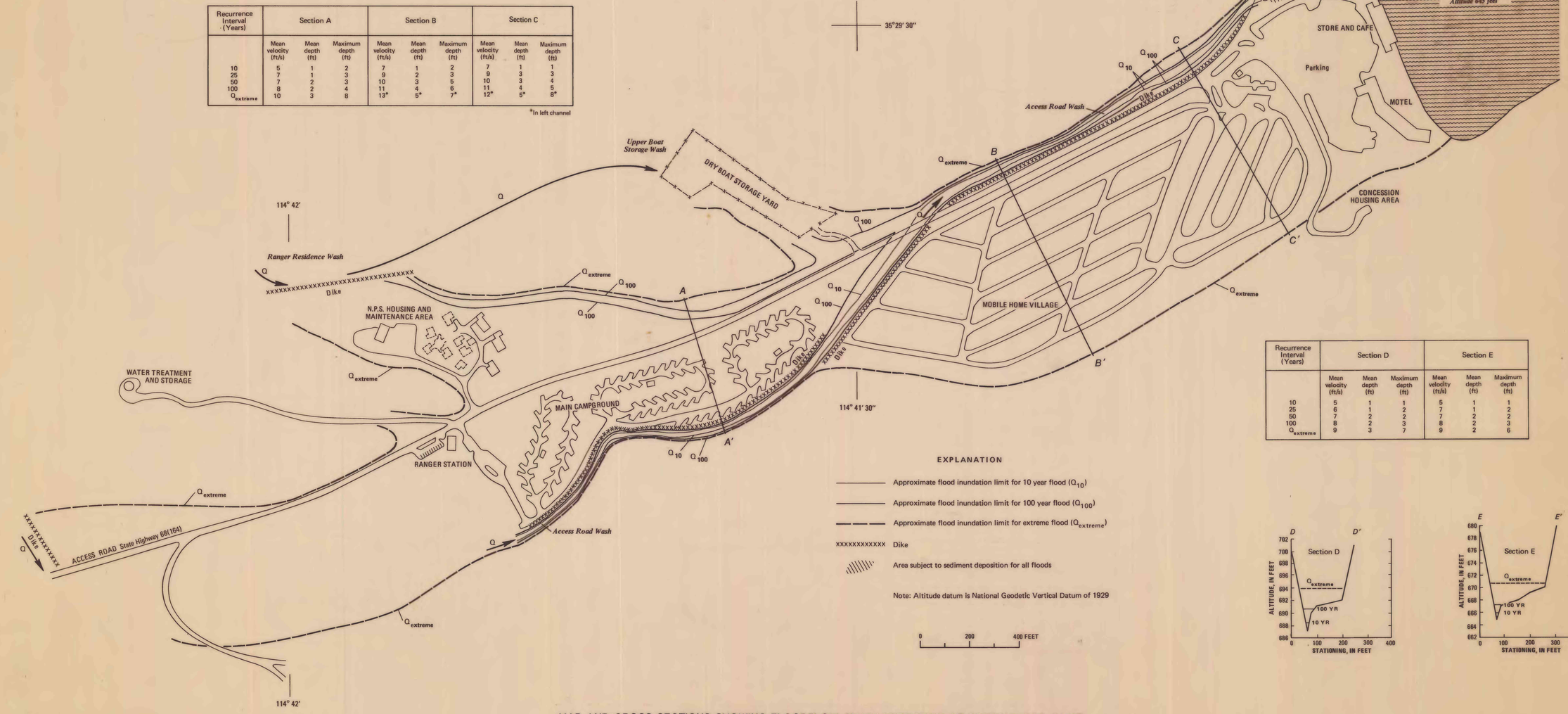
▲ Flooding from Ranger Residence Wash
* Flooding from Access Road Wash





Recurrence Interval (Years)	Section A			Section B			Section C		
	Mean velocity (ft/s)	Mean depth (ft)	Maximum depth (ft)	Mean velocity (ft/s)	Mean depth (ft)	Maximum depth (ft)	Mean velocity (ft/s)	Mean depth (ft)	Maximum depth (ft)
10	5	1	2	7	1	2	7	1	1
25	7	1	3	9	2	3	9	3	3
50	7	2	3	10	3	5	10	3	4
100	8	2	4	11	4	6	11	4	5
$Q_{extreme}$	10	3	8	13*	5*	7*	12*	5*	8*

*In left channel



Recurrence Interval (Years)	Section D			Section E		
	Mean velocity (ft/s)	Mean depth (ft)	Maximum depth (ft)	Mean velocity (ft/s)	Mean depth (ft)	Maximum depth (ft)
10	5	1	1	5	1	1
25	6	1	2	7	1	2
50	7	2	3	7	2	2
100	8	2	3	8	2	3
$Q_{extreme}$	9	3	7	9	2	6

EXPLANATION

- Approximate flood inundation limit for 10 year flood (Q_{10})
- Approximate flood inundation limit for 100 year flood (Q_{100})
- Approximate flood inundation limit for extreme flood ($Q_{extreme}$)
- xxxxxxxxxxx Dike
- Area subject to sediment deposition for all floods

Note: Altitude datum is National Geodetic Vertical Datum of 1929

0 200 400 FEET

MAP AND CROSS SECTIONS SHOWING FLOODFLOW CHARACTERISTICS AT COTTONWOOD COVE, LAKE MEAD RECREATION AREA, CLARK COUNTY, NEVADA

Base from National Park Service

Hydrology by Otto Moosburner, 1979
Cartography by Patricia A. Garside