U.S. GEOLOGICAL SURVEY

PLATE 1

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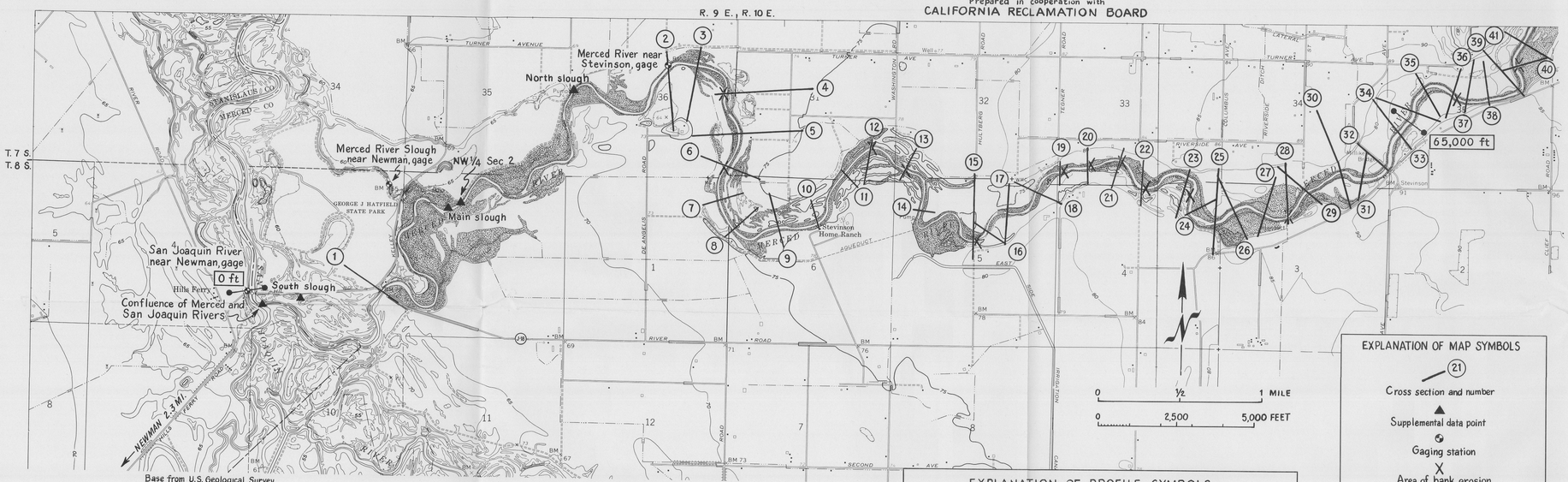
Prepared in cooperation with
CALIFORNIA RECLAMATION BOARD



Note:
Innundated areas and bankfull stage profiles downstream from county highway J-18 have not been shown because the Merced and San Joaquin Rivers occupy the same flood plain. For top of levee or ground elevation at selected locations refer to table above.

Cross section number or location	Distance upstream from San Joaquin River near Newman, gage (feet)	Elevations, in feet, above mean sea level			
		Left bank		Right bank	
		Top of levee	Ground elevation	Top of levee	Ground elevation
San Joaquin R. near Newman	0	(a)	(a)	(a)	(a)
South Slough	2,320	(b)	(a)	a67.4	64.3
1	7,010	72.6	69.5	67.7	66.9
Main Slough	13,990	(b)	a65	67.5	65.8
NW¼ sec. 2	15,090	(b)	a65	68.1	66.3
North Slough	21,950	(b)	a70	72.5	69.0
2	26,320	73.5	69.8	73.2	71.6
3	27,840	74.2	72.3	73.6	69.6
4	28,800	72.8	72.8	72.6	67.8
5	30,220	74.3	73.5	72.5	72.0
6	31,370	75.3	74.5	(b)	73.6
7	32,560	75.8	73.5	(b)	73.5
8	33,640	76.1	73.7	(b)	75.1
9	35,210	73.8	72.5	77.4	75.7
10	36,210	(b)	77.3	(b)	75.1
11	38,420	(b)	76.5	(b)	76.3
12	39,650	(b)	77.8	(b)	76.8
13	40,960	(b)	78.8	(b)	75.0
14	42,660	81.1	80.3	(b)	77.0
15	45,700	79.6	78.3	79.4	75.6
16	46,200	77.5	73.9	79.8	77.5
17	47,940	77.6	76.4	80.3	75.9
18	48,580	78.1	75.0	80.8	75.8
19	49,720	82.3	75.7	(b)	77.5
20	50,680	81.7	76.9	79.4	76.6
21	51,720	81.5	77.5	81.5	78.4
22	52,850	84.6	78.5	(b)	75.5
23	54,490	84.3	78.1	84.7	77.1
24	55,800	84.6	82.8	(b)	77.7
25	56,740	84.5	81.8	83.9	80.2
26	57,390	79.8	79.2	(b)	80.8
27	58,540	82.9	80.3	79.4	77.0
28	59,520	89.4	86.8	81.4	78.5
29	60,280	80.8	79.8	83.0	81.6
30	61,580	(b)	84.1	(b)	81.1
31	62,340	(b)	81.4	84.4	79.5
32	63,940	(b)	90.2	84.8	82.6
33	64,480	(b)	83.1	84.7	79.1

a. Not surveyed or determined from topographic maps.
b. Indicates no levee.
c. Top of Hills Ferry Road.

EXPLANATION OF PROFILE SYMBOLS

Bankfull stage, right bank — Bankfull stage, left bank
Bankfull stage denotes top of levee or natural ground elevation, whichever is highest

High-water elevation, December 1950 — High-water elevation, June-July 1967

High-water elevation, April 27, 1967 — Water-surface profile, 8,000 cfs

Thalweg and direction of flow

0 5
HORIZONTAL SCALE, IN THOUSANDS OF FEET

EXPLANATION OF MAP SYMBOLS

21 — Cross section and number

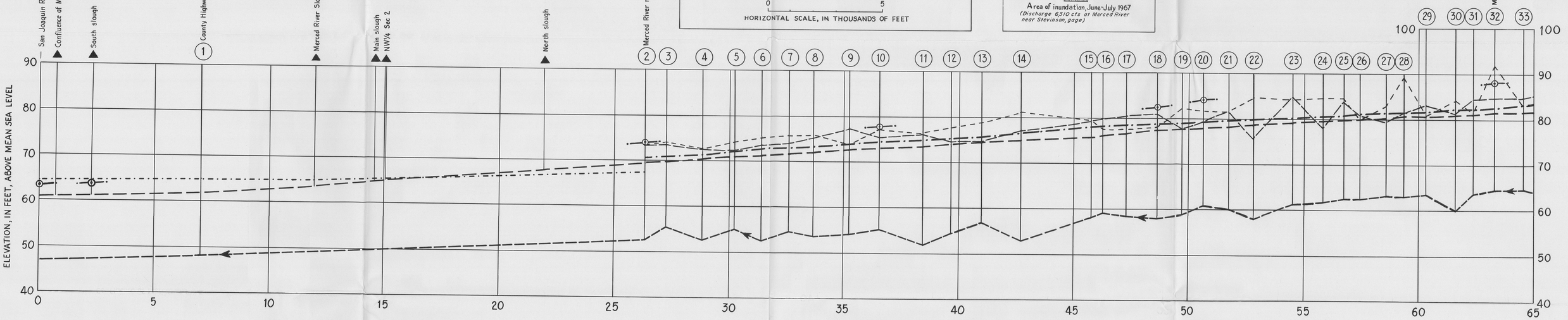
▲ Supplemental data point

Gaging station

X Area of bank erosion

65,000 ft — End of profile and distance, in feet, upstream from 0 (San Joaquin River near Newman, gage)

Area of inundation, June-July 1967
(Discharge 6,510 cfs at Merced River near Stevinson, gage)



MAP AND PROFILE OF MERCED RIVER, CALIFORNIA, SHOWING LOCATION OF CROSS SECTIONS 1 — 33