

EXPLANATION
QUATERNARY

RECENT
(Postglacial deposits)

- Granite sand washed into valleys and basins; bars in river channel
- River-borne sand and gravel filling glacial-lake basins
- Fans, mostly of coarse rock waste, produced by torrential action
- Rock waste shed from cliffs

PLEISTOCENE
(Glacial deposits)

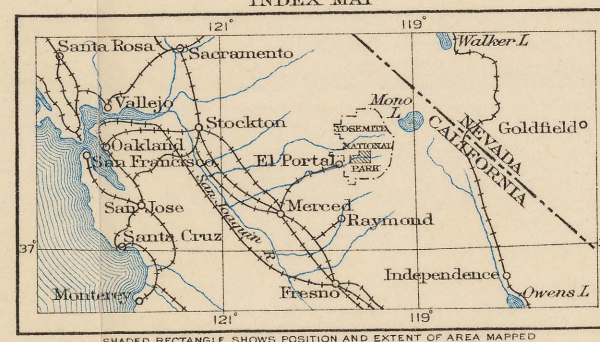
- Individual moraines (crests shown by rows of dots)
- Morainal material in sheets; some of it washed and redeposited
- Scattered morainal material
- Glacial outwash in front of moraines
- Approximate limits of area covered by ice of Wisconsin stage
- Individual moraines (crests shown by rows of dots)
- Morainal material in sheets; some of it washed and redeposited
- Scattered morainal material
- Erratic boulders
- Erratic boulders on pedestals
- Approximate limits of area covered by ice of El Portal stage
- Approximate limits of area covered by ice of Glacier Point stage
- Areas of bare rock devoid of morainal material are shown without tint; those not covered by the ice are marked "un-glaciated"

ALTITUDE OF PRINCIPAL POINTS

	Above sea level	Above pier
Pier near Sentinel Hotel	5069 ft	100 ft
Glacier Point	7214	3254
Sentinel Dome	8117	4157
Eagle Peak	7773	3813
El Capitan (summit)	7564	3604
Half Dome	6852	4892
North Dome	7531	3571
Insides Dome	7042	3042
Clouds Rest	1029	5969

	Height of fall	Altitude of crest above sea level	Altitude of crest above pier
Upper Yosemite Fall	1430 ft	6525 ft	2565 ft
Lower Yosemite Fall	320	4420	400
Nevada Fall	595	5907	1957
Vernal Fall	317	5044	1084
Hillwate Fall	370	5816	1856
Bridalveil Fall	620	4707	3027
Ribbon Fall	1612	7008	3048
Silver Strand Falls	1170	6406	2506

Pier near Sentinel Hotel, Lat. 37°44'39.0", Long. 119°35'20.0"



ENGRAVED JUNE, 1907 BY U. S. G. S.

MAP OF GLACIAL AND POSTGLACIAL DEPOSITS IN YOSEMITE VALLEY, MARIPOSA COUNTY, CALIFORNIA

Scale 24000 or 1 inch=2000 feet.

Contour interval 50 feet.

Datum is mean sea level.

1930

Geology by F. E. Matthes