FIGURE 2.4—Sedimentation patterns in Lake Mead have contributed to declines in the capacity of the reservoir to hold water; however, with the completion of Glen Canyon Dam, the rate of sediment accumulation has slowed greatly

Rosen, M.R., Turner, K., Goodbred, S.L., and Miller, J.M., eds., 2012, A synthesis of aquatic science for management of Lakes Mead and Mohave

LAKE MEAD SEDIMENTATION STATISTICS

Year	Reservoir Capacity (acre-feet @ 1,220 feet)	Rate of Sedimentation (acre-feet per year)	Sediment Volume (acre-feet)
1935	30,944,400	137,000	0
1948	29,878,000	97,429	1,066,400
1963	28,321,300	88,200	2,623,100
2001	28,543,420 *	< 10,000 **	2,400,980 *

Notes:

* Increase in reservoir capacity and decrease in sediment volume due to significant compaction of sediments in lower elevation portions of the reservoir.

** Decreased rate of sedimentation due to closure of Glen Canyon Dam in 1963.