

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION										
	188-180	180-160	160-140	140-120	120-100	100-80	80-60	60-40	40-20	20-Crest	
PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION											
Aug. 1942 Nov. 1950	3	18	15	12	12	8	11	6	6	9	

28. DATE OF SURVEY	44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR													
	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	-105	-110	-115	-120
PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION														
Data not available														

45. RANGE IN RESERVOIR OPERATION							
WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT.
1940	1698.26	1610.00	220,300	1948	1704.09	1635.61	240,326
1941	1798.00	1639.35	158,000	1949	1782.28	1643.77	507,122
1942	1773.88	1624.00	285,700	1950	1745.43	1610.00	239,750
1943	1758.93	1610.00	285,600				
1944	1794.51	1610.00	428,800				
1945	1774.25	1610.00	392,900				
1946	1694.45	1610.00	175,799				
1947	1725.87	1610.00	199,542				

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
1620	0	0	1700	663	24,334	1780	2,266	134,295
1630	46	266	1710	788	31,601	1790	2,539	158,355
1640	148	1,335	1720	942	40,270	1798	2,768	179,548
1650	238	3,197	1730	1,132	50,665			
1660	304	5,871	1740	1,339	63,042			
1670	362	9,185	1750	1,557	77,477			
1680	460	13,209	1760	1,769	94,141			
1690	555	18,292	1770	2,001	113,006			

47. REMARKS AND REFERENCES

1/Based on original drainage area of 5,815 square miles

2/Based on drainage area of 194 square miles, reduced by construction of Horseshoe Dam upstream

3/Showed gain in capacity during period, probably attributed to compaction

48. AGENCY SUPPLYING DATA Bureau of Reclamation

49. DATE May 1, 1962

23. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION										
	168-168	168-148	148-128	128-108	108-88	88-68	68-48	48-28	28-8	8-Top	of spillway
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION gates										
Aug. 1942					Data not available						
Nov. 1950	14	16	12	12	10	9	10	4	9	4	
Jan. 1964	16	37	9	0	0	4	8	11	11	4	

26. DATE OF SURVEY	44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR														
	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	-105	-110	-115	-120	-125
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION														
	Data not available														

45. RANGE IN RESERVOIR OPERATION							
WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW, AC.-FT.
1940	1698.26	1610.00	220,300	1954	1782.70	1656.35	286,699
1941	1798.00	1639.35	1,158,000	1955	1747.39	1662.99	143,914
1942	1773.88	1624.00	285,700	1956	1755.80	1636.05	199,911
1943	1758.93	1610.00	285,600	1957	1793.04	1610.00	353,926
1944	1794.51	1610.00	428,800	1958	1793.47	1727.01	416,294
1945	1774.25	1610.00	392,900	1959	1765.37	1688.99	198,366
1946	1694.45	1610.00	175,799	1960	1789.71	1643.65	472,805
1947	1725.87	1610.00	199,542	1961	1737.38	1669.47	131,944
1948	1704.09	1635.61	240,326	1962	1765.94	1634.99	342,019
1949	1782.28	1643.77	507,122	1963	1737.27	1667.05	191,218
1950	1745.43	1610.00	239,750	1964	1746.51	1634.42	253,857
1951	1698.42	1638.82	203,546				
1952	1797.40	1659.75	625,463				
1953	1732.61	1610.00	195,725				

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
1627.5	0	0	1700	677	23,577	1780	2,258	133,324
1630	16	23	1710	796	30,934	1790	2,533	157,304
1640	89	507	1720	954	39,685	1798	2,775	178,488
1650	210	1,898	1730	1,139	50,123			
1660	298	4,467	1740	1,343	62,534			
1670	382	7,869	1750	1,537	76,891			
1680	468	12,144	1760	1,756	93,367			
1690	574	17,336	1770	1,990	112,116			

47. REMARKS AND REFERENCES

- 1/ Top of spillway gates.
- 2/ Temperature range is average low for January and average high for July.
- 3/ Showed gain in capacity during period, probably attributed to compaction.
- 4/ Based on total drainage area of 5,812 square miles before construction of Horseshoe Dam upstream.
- 5/ Computed for November 1950 to January 1964 period only.

48. AGENCY MAKING SURVEY Salt River Valley Water Users' Association
 49. AGENCY SUPPLYING DATA Bureau of Reclamation
 50. DATE July 22, 1966