

**Table 1: Model Results Summarized for the DRD Hydrology Analysis**

Spill Total (AF)	
1928	
1929	134822
1930	61005
1931	
1932	220738
1933	
1934	
1935	
1936	
1937	185390
1938	300298
1939	
1940	
1941	464005
1942	329268
1943	122803
1944	298699
1945	125934
1946	
1947	21945
1948	147226
1949	192220
1950	
1951	
1952	241338
1953	
1954	
1955	
1956	
1957	107804
1958	263062
1959	
1960	
1961	
1962	
1963	
1964	
1965	99335
1966	67568
1967	
1968	
1969	87092
1970	56369
1971	49617
1972	
1973	340592
1974	119428
1975	229032
1976	18317
1977	
1978	
1979	166998
1980	281263
1981	
1982	120428
1983	352232
1984	312359
1985	305518
1986	344394
1987	338143
1988	5685
1989	12281
1990	
1991	
1992	19007
1993	362179
1994	25955
1995	315648
1996	
1997	309241
1998	129724
1999	169450
2000	
2001	
2002	
2003	
2004	
2005	191380*

Summary of Model Results	
No Spill - 35 of 78 years (45%)	
Spill < 64,000AF (12%)	
64K < Spill < 187K AF (18%)	
187K < Spill < 310K AF (14%)	
Spill > 310,000 AF (12%)	

Average Spill Size = 187,000 AF

**Average Spill = 187,010 AF**  
**Maximum Spill = 464,005 AF**  
**Minimum Spill = 5,685 AF**  
**Standard Deviation = 123,141 AF (66% of AVE)**

**SUMMARY of Spill Interval Data (43 YRS SPILL incl.'05)**  
 CONSECUTIVE SPILL YEARS: 28 OF 43 (65%)  
 2 YEARS BETWEEN SPILL YEARS: 5 OF 43 (12%)  
 3 YEARS BETWEEN SPILL YEARS: 5 OF 43 (12%)  
 4 YEARS BETWEEN SPILL YEARS: 0 OF 43 (0%)  
 5 YEARS BETWEEN SPILL YEARS: 2 OF 43 (4.7%)  
 6 YEARS BETWEEN SPILL YEARS: 1 OF 43 (2.3%) - (1999-2005)  
 7 YEARS BETWEEN SPILL YEARS: 1 OF 43 (2.3%) - (1958-1965)

**Note On Table 1 Hydrologic Model:**

**This modeled hydrology and the analyses that it supports provides the best available prediction of future expected hydrologic conditions on the Dolores River below McPhee Dam.**

\* Actual Spill in 2005; not modeled in DRD Hydrology Report