

**2000 BIOP SUMMER SPILL COSTS**

	The Dalles July- August average outflow (kcfs)	2000 BiOp Jul- Aug Juvenile Spill Cost (\$Millions)
1929	148	82
1930	153	80
1931	145	80
1932	195	86
1933	234	62
1934	158	75
1935	188	83
1936	162	84
1937	156	82
1938	167	80
1939	165	81
1940	151	81
1941	145	84
1942	198	88
1943	209	78
1944	139	71
1945	164	92
1946	196	84
1947	189	78
1948	220	80
1949	148	78
1950	222	76
1951	212	74
1952	177	75
1953	203	77
1954	238	74
1955	241	55
1956	212	71
1957	164	80
1958	162	91
1959	216	77
1960	185	80
1961	171	76
1962	187	83
1963	193	79
1964	226	63
1965	200	85
1966	192	74
1967	215	76
1968	204	75
1969	179	80
1970	154	84
1971	221	76
1972	233	62
1973	144	69
1974	245	64
1975	200	60
1976	247	77
1977	130	56
1978	181	84
Average	188	77
Min	130	55
Max	247	92

**SUMMER SPILL CRITERIA:**

- IHR** 50% of outflow 24 hrs/day
- JDA** 60% of outflow 12 hrs/day,  
30% of outflow 24 hrs/day  
on alternating days
- TDA** 40% of outflow 24 hrs/day
- BON** 140 kcfs 12 hrs (night),  
120 kcfs 12 hrs (day)