

## The Spillway Dam

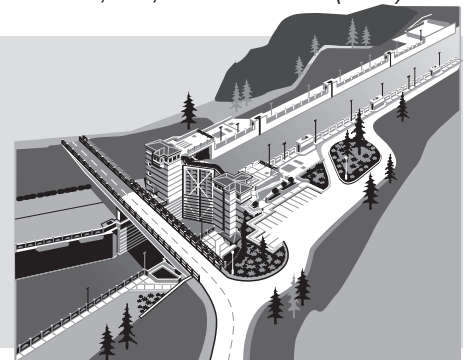
<b>Overall Length:</b>	449.0 meters	1,450 feet
<b>Width of Gravity Section:</b>	41.0 meters	132 feet
<b>Height Above Lowest Bedrock:</b>	61.0 meters	197 feet
<b>Gates</b>	<b>width</b> 18 @ 15.50 meters <b>height</b> 6 @ 18.25 meters <b>height</b> 12 @ 15.50 meters	50 feet 60 feet 50 feet
<b>Design Capacity:</b>	1,600,000 cubic feet per second	
<b>Pool Elevation:</b>	<b>average</b> 23.3 m MSL* <b>minimum</b> 21.3 m MSL <b>maximum</b> 25.0 m MSL	76.5 feet MSL 70.0 feet MSL 82.5 feet MSL

\* MSL = Mean Sea Level = meters and feet above mean sea level

## Navigation Lock

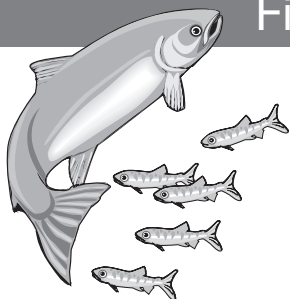
	<b>1938 Lock</b>	<b>1993 Lock</b>
<b>Fill/Empty Time:</b>	20 - 25 minutes to fill 15 - 20 minutes to empty	9 - 13 minutes to fill or empty
<b>Width/Length:</b>	23.18m x 152.5m (76 feet x 500 feet)	26.23m x 206.8m (86 feet x 675 feet)
<b>Lift:</b>	<b>average</b> 18.3m (60 feet) <b>minimum</b> 9.15m (30 feet) <b>maximum</b> 21.35m (70 feet)	18.3m (60 feet) 9.15m (30 feet) 21.35m (70 feet)
<b>Depth Over Sill:</b>	7.38m (24.2 feet)	5.8m (19 feet)
<b>Total Lockages:</b>	2,854 (1992)	3,243 (1998)
<b>Total Tonnage:</b>	8,426,841 metric tons (1992) 9,289,000 short tons (1992)	9,796,690 metric tons (1998) 10,799,000 short tons (1998)

The 1938 lock replaced the Cascades Canal and Lock located a few miles upstream. The 1993 lock replaced the 1938 lock. It is comparable in size to the seven other locks on the 465 mile Columbia /Snake River Inland Waterway.



## Fish Passage

Elevation gained up the fish ladder.....18.3 meters (60 feet)



The fish ladders are necessary so that adult fish can get past Bonneville Dam to return to their spawning grounds.

**The best months to see fish climbing the fish ladders are:**

Chinook Salmon	.....	September
Coho Salmon	.....	September
Sockeye Salmon	.....	June
Steelhead Trout	.....	August
American Shad	.....	June
Lamprey	.....	June