

## Hugh Keenleyside Dam and Arrow Lakes

### Storage Project

Construction began	March 1965
Storage became fully operational	10 October 1968

### Reservoir

Normal full pool elevation	440 m (1,444 feet)
Normal minimum pool elevation	420 m (1,377.9 feet)
Surface area at full pool	52,650 hectares (130,000 acres)
Total storage capacity	10.3 km <sup>3</sup> (8,337,000 acre-feet)
Usable storage capacity	8.8 km <sup>3</sup> (7,100,000 acre-feet)
Treaty storage commitment	8.8 km <sup>3</sup> (7,100,000 acre-feet)

### Dam, Concrete Gravity and Earthfill

Crest elevation	445 m (1,459 feet)
Length	869 m (2,850 feet)
Approximate height above riverbed	52 m (170 feet)
Spillway—Maximum capacity	6,700 m <sup>3</sup> /sec (240,000 cfs)
Low-level outlets—Maximum capacity	3,740 m <sup>3</sup> /sec (132,000 cfs)

### Power Facilities

Currently Installed	
2 units at 92.5 MW	185 MW
Power commercially available	2002
Head at full pool (Gross maximum head)	23.6m (77 feet)
Maximum turbine discharge	1,200 m <sup>3</sup> /sec (42,400 cfs)