About Yellowtail

Dam

Type	Concrete arch
Height above foundation (feet)	525
Crest length (feet)	1,480
Crest width (feet)	22
Crest elevation (feet)	3,660
Base thickness at center (feet)	about 145
Volume (cubic yards)	1,546,000
Spillway: A 32 foot diameter tunnel	
in the left abutment controlled by	y
two radial gates 25 feet wide by	
64.4 feet high. The spillway	
capacity in cubic feet per	
second (cfs) at elevation 3,660	92,000
River Outlet: Two 84 inch diameter	
conduits controlled by ring-follo	
gates with a capacity (in cfs) of	
Power outlets: Four 12 foot diameter	er
penstocks through the dam.	

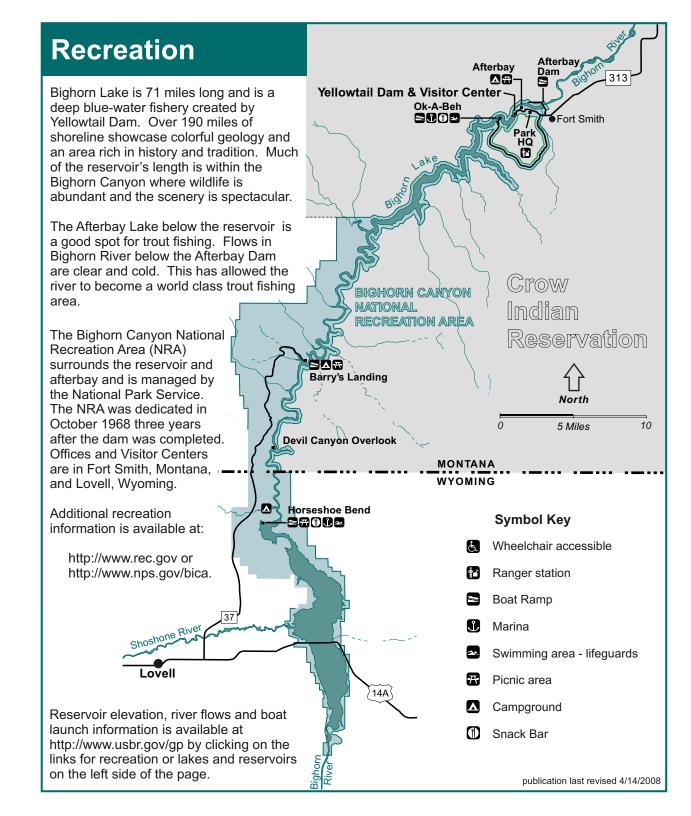
Reservoir (Bighorn Lake)

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Capacity (acre-feet at elevation 3,657) 1,375,000
Area (acres at elevation 3,657)
Length (river miles at elevation 3,657)71
Water surface elevations (in feet):
Joint-use storage3,614 to 3,640
Flood control storage3,640 to 3,657

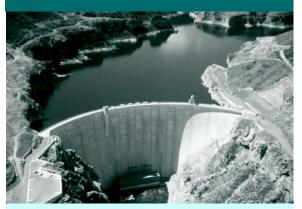
Powerplant

Afterbay Dam:

Allerbay Dalli.
Type: Composite concrete gravity with embankment wings
Height above foundation (feet) about 40
Crest length (feet)
Crest width (in feet for embankment section) 28
Crest elevation (feet)
Outlet works: Five radial gates and three
sluice gates control flows to the river
with a total capacity (in cfs)24,500
Two sluce gates control flow to the
BIA canal with a capacity (cfs)



Yellowtail Dam and Reservoir



Yellowtail Dam is located on the Bighorn River at the mouth of Bighorn Canyon about 43 air miles from Billings, Montana. When full, the reservoir extends 71 miles south into Wyoming. The dam and reservoir provide multiple benefits to the American public including power generation, flood control, irrigation, municipal and industrial water, fish and wildlife benefits and recreation. The facility is operated by:

Bureau of Reclamation Montana Area Office P.O. Box 30137 Billings, MT 59107-0137 (406) 247-7295

