

# Hydro Analysis for FY04

- 50-year HYDSIM continuous study
- Modeled Chum target flow of 125 kcfs in November and December
- Modeled a variable Vernita Bar minimum flow through May
- Attempted to meet Apr 10 flood control elevations and then refill the reservoirs by the end of June.
- Juvenile bypass spill was as specified in NOAA Fisheries' 2000 BiOp including expected spill tests for 2004.
- Non-Federal hydro projects operated according to PNCA plan
- Treaty storage operated in accordance with the Treaty Storage Regulation (TSR) taken from the Detailed Operating Plan for 2002 adjusted for an anticipated lower initial content
- 81 aMW more hydro generation for FY 04 than in May 2000 analysis

# Hydro Analysis for FY05

- All modeling criteria were the same as FY04, except changes to juvenile bypass spill at Lower Snake projects.
- Lower Granite, Little Goose and Lower Monumental began summer bypass spill tests at springtime BiOp levels.
- Ice Harbor installation and operation of a removable spillway weir (RSW) reduced spill to 18 kcfs.
- 73 aMW more hydro generation for FY 05 than in May 2000 analysis

# Hydro Analysis for FY06

- All modeling criteria were the same as FY04, except changes to juvenile bypass spill at Lower Snake projects.
- Lower Granite and Little Goose continued summer bypass spill tests at springtime BiOp levels.
- Lower Monumental installation and operation of a removable spillway weir (RSW) reduced spill to 18 kcfs during the spring and also during the summer spill test .
- Ice Harbor continued operation of a removable spillway weir (RSW) reduced spill to 18 kcfs.
- 116 aMW more hydro generation for FY 06 than in May 2000 analysis