

## SYSTEM OPERATIONAL REQUEST: #99-24

- *The following State and Federal Salmon Managers have participated in the preparation of this SOR: Oregon Department of Fish & Wildlife, U.S. Fish & Wildlife Service, Washington Department of Fish and Wildlife, National Marine Fisheries Service, and Montana Fish, Wildlife and Parks.*

**TO:**            **Brigadier General Strock**    **COE-NPD**  
                  **William Branch**            **COE-Water Management**  
                  **Cindy Henriksen**         **COE-RCC**  
                  **Bolyvong Tanovan**       **COE-RCC**  
                  **Doug Arndt**                **COE-P**  
                  **Col. R. Slusar**              **COE-Portland District**  
                  **Lieut. Col. W.E. Bulen, Jr.** **COE-Walla Walla District**  
                  **J. William McDonald**     **USBR-Boise Regional Director**  
                  **Judith Johansen**         **BPA-Administrator**  
                  **Greg Delwiche**            **BPA-PG-5**

*Marv S. Yoshinaka*

**FROM:**        **Marv Yoshinaka, Chairperson, Salmon Managers**

**DATE:**        **August 17, 1999**

**SUBJECT:**    **Columbia River Flows for the period of August 22 through August 29.**

### **SPECIFICATIONS:**

McNary Dam – Meet the SSARR projected flows of 200 kcfs at McNary Dam for this time period.

Grand Coulee, Hungry Horse, Libby - The August 17, 1999 SSARR projected elevations for these projects indicate that approximately 1.25 MAF of NMFS Biological Opinion volume for fish flow augmentation will be left in these reservoirs. Maintain this volume in these reservoirs until discussions occur between regional managers regarding the use of this water.

### **JUSTIFICATION:**

Current and historical passage indices at McNary Dam indicate that juvenile fall chinook will continue to pass McNary Dam through August 30. Past years spawning ground survey data collected by Oregon Department of Fish and Wildlife and Washington Department of Fish and Wildlife have shown that chinook and chum salmon stage below Bonneville until flows are adequate to gain access to the Ives Pierce Island spawning area. Flows of 110 kcfs provided at Bonneville between October 15 and November 1 were inadequate to provide access to the spawning area.