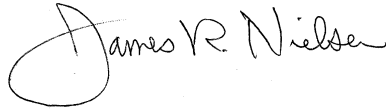


SYSTEM OPERATIONAL REQUEST: #2000-20

- *The following State and Federal Salmon Managers have participated in the preparation and support this SOR: Oregon Department of Fish & Wildlife, U.S. Fish & Wildlife Service, Washington Department of Fish and Wildlife, National Marine Fisheries Service, Idaho Department of Fish & Game and the Columbia River Inter-Tribal Fish Commission.*

TO: **Brigadier General Strock** **COE-NPD**
 William Branch **COE-Water Management**
 Cindy Henriksen **COE-RCC**
 Doug Arndt **COE-P**
 Col. Randall J. Butler **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**
 Liu Ningien **IPCo**



FROM: **Jim Nielsen, Chairperson, Salmon Managers**

DATE: **May 9, 2000**

SUBJECT: **Flow for spring migrants at Lower Granite Dam**

SPECIFICATIONS:

- Provide 110 KAF planned for the spring migration flow augmentation from the Hells Canyon Complex.
- Increase outflow from the Hells Canyon Complex up to 25 kcfs beginning immediately.

JUSTIFICATION:

The historical and present passage index data shows that the yearling chinook and steelhead migration is well underway at Lower Granite Dam (attached plots) PIT tag recaptures at Lower Granite Dam indicate that tags from all upstream tributaries are present at Lower Granite Dam.

The utilization of spring flow augmentation from the Idaho Power Complex is precipitated by implementation of early flood control drafts. The decline the runoff volume forecast has resulted in decrease of outflow from Dworshak reservoir in order to refill by the June 30 NMFS Biological Opinion target date. The decrease in flows resulting from the Dworshak operation occurs at a critical point in spring downstream passage as shown by the attached passage plots.