**Feeken, Stacy – University of Idaho, Idaho Cooperative Fish and Wildlife Research Unit**

**Presentation Title: Movement Patterns of Adult Steelhead and Anglers in the Mainstem Clearwater River, Idaho**

Abstract for the 2018 Pacific Coast Steelhead Management Meeting

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**Biographical sketch:** Stacey has a B.S. in Aquatic and Fishery Sciences from the University of Washington. She has worked as a fisheries technician for the Washington Department of Fish and Wildlife and Wyoming Game and Fish Department. Stacey is a current M.S. student working with Dr. Michael Quist at the Idaho Cooperative Fish and Wildlife Research Unit at the University of Idaho where she is researching the distribution and movement of wild and hatchery steelhead and angling effort in the Clearwater River, Idaho.

**Abstract**

FEEKEN, STACEY F.\*, Idaho Cooperative Fish and Wildlife Research Unit, Department of Fish and Wildlife Sciences, University of Idaho, Moscow, Idaho. M.C. Quist, U.S. Geological Survey, Idaho Cooperative Fish and Wildlife Research Unit, Department of Fish and Wildlife Sciences, University of Idaho, Moscow. B. Bowersox, Idaho Department of Fish and Game, Lewiston, Idaho. M.E. Dobos, Idaho Department of Fish and Game, Lewiston, Idaho. T. Copeland, Idaho Department of Fish and Game, Boise, Idaho. **MOVEMENT PATTERNS OF ADULT STEELHEAD AND ANGLERS IN THE MAINSTEM CLEARWATER RIVER, IDAHO**

Steelhead *Oncorhynchus mykiss* is a species of high economic value and supports popular sport fisheries across the Pacific Northwest. The purpose of this study was to describe movement and distribution patterns of wild and hatchery steelhead in the Clearwater River, Idaho. We were also focused on describing spatial movement patterns of anglers in the system. One-hundred-and-seventy-eight wild (*n* = 38) and hatchery (*n* = 140) steelhead were radio tagged at Lower Granite Dam in the fall of 2016 and spring of 2017. Steelhead tracking efforts have focused on the main-stem Clearwater River and Middle Fork Clearwater River. Tracking was conducted using twelve fixed stations and mobile tracking (automobile and drift boat). Steelhead movement data have provided insight on steelhead timing into the Clearwater River and timing into natal tributaries. Additionally, creel data was collected to provide information on the number of steelhead anglers and their locations. Results from this study will identify seasonal movement patterns of steelhead and distribution of anglers that will help manage the fishery.