

Study of Dolly Varden in Cooper Creek, Kenai Peninsula, Alaska, 1999-2001. Study No. 00-038 Final

ABSTRACT

During the periods 27 August-6 October 1999, 15 July-20 October 2000, and 19 July-19 October 2001, a weir was operated on Cooper Creek, a tributary of the Kenai River in Alaska, to study Dolly Varden *Salvelinus malma*. Dolly Varden captured at the weir that were ≥ 200 mm were tagged and measured to the nearest millimeter FL. In 1999, minimum spawning abundance was 314 Dolly Varden; in 2000 minimum abundance was 192 fish; and in 2001, minimum abundance was 470. However, many fish were not counted, as evidenced by the truncated migration data. Dolly Varden were captured in the upstream trap as soon as it was installed in mid-July and downstream movement was still increasing when the weir was removed in late October. In addition, a large proportion of downstream moving fish captured at the weir were untagged. In all 3 years, most captured Dolly Varden were 400-549 mm FL.

Citation

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