



North American Journal of Fisheries Management >

Volume 18, 1998 - [Issue 4](#)

61	18	0
Views	CrossRef citations to date	Altmetric

Management Briefs

Two Carriers Used to Suspend an Underwater Video Camera from a Boat

Phillip A. Groves & Aaron P. Garcia

Pages 1004-1007 | Received 06 Feb 1997, Accepted 26 May 1998, Published online: 08 Jan 2011

🗨 Cite this article 🔗 [https://doi.org/10.1577/1548-8675\(1998\)018<1004:TCUTSA>2.0.CO;2](https://doi.org/10.1577/1548-8675(1998)018<1004:TCUTSA>2.0.CO;2)

Sample our
Economics, Finance,
Business & Industry Journals
>> [Sign in here](#) to start your access
to the latest two volumes for 14 days

📄 Full Article

📊 Figures & data

📖 References

🗨 Citations

📊 Metrics

📄 Reprints & Permissions

Read this article

🔗 Share

Abstract

Two underwater video camera carriers were designed by modifying hydraulic sounding weights and suspension equipment normally used for stream gaging. Both carriers were suspended from the bow of a boat and were used in a river up to 13 m deep with velocities to 3 m/s. One carrier consisted of an aluminum casing mounted on a single hydraulic sounding weight. This carrier provided a moderate degree of camera protection and created little drag, but it wobbled at water velocities greater than 1 m/s. The other carrier consisted of an aluminum frame attached between two hydraulic sounding weights. This carrier provided greater camera protection and wobbled less, but it was subjected to considerable drag in deep (>3 m), high velocity (>1 m/s) waters. Both carriers have been used successfully to search for spawning grounds and redds of chinook salmon *Oncorhynchus tshawytscha* in a large river and to collect video images for surficial substrate classification.

Related research

People also read

Recommended articles

Cited by
18

Information for

- Authors
- R&D professionals
- Editors
- Librarians
- Societies

Opportunities

- Reprints and e-prints
- Advertising solutions
- Accelerated publication
- Corporate access solutions

Open access

- Overview
- Open journals
- Open Select
- Dove Medical Press
- F1000Research

Help and information

- Help and contact
- Newsroom
- All journals
- Books

Keep up to date

Register to receive personalised research and resources by email

 Sign me up

