

Bibliography of Aquatic Studies on Copper and Antifouling Paints (1980 – present)

As part of the Copper Antifouling Paint Sub-Workgroup activities, DPR staff volunteered to review existing scientific literature for studies dealing with copper, copper antifouling paints, and non-copper antifouling paints in aquatic systems. This compilation is consistent with the workgroup's first objective of identifying existing studies and information. This list is also intended to be a resource to workgroup agencies on the copper antifouling paint topic.

This bibliography list covers the period from 1980-present and may be updated periodically as additional information becomes available. Please note the version date in the header. The first version was generated in May 2004. If you have identified relevant studies and citations that should be added to this list, please contact Nan Singhasemanon at (916) 324-4122 or nsinghasemanon@cdpr.ca.gov.

The list of studies in this document has been identified by:

- 1) Performing a literature search on the Web of Science Databases using the keyword combinations of copper AND paint, copper AND antifouling, and dissolved copper.
- 2) Identifying relevant references cited in articles identified in the initial literature search.
- 3) Obtaining reports (primarily department and agency reports) submitted by workgroup participants.
- 4) Identifying relevant references cited in the workgroup-submitted reports.
- 5) Identifying relevant references published in *Environmental Toxicology and Chemistry*, compiled by Copper Development Association.

This April 2010 updated bibliography list has been expanded to include limited number of copper toxicity studies, risk assessment and nanocopper studies. Those who are interested in copper toxicity studies should also refer to the reference section in U.S. EPA's *2003 Draft Update of Ambient Water Quality Criteria for Copper*. The link to this document is <http://www.epa.gov/waterscience/criteria/copper/2003/master.pdf> and other resources.

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1. Copper Environmental Fate/Transport

Freshwater

Allen-Gil, S.M., C.P. Gubala, D.H. Landers, B.K. Lasorsa, E.A. Crecelius, and L.R. Curtis. 1997. Heavy metal accumulation in sediment and freshwater fish in U.S. arctic lakes. *Environmental Toxicology and Chemistry* 16:733-741.

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Sediment

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