



# WEDA Technical Report: Practical Guide to Reservoir Dredging

Marcel Hermans

Port of Portland

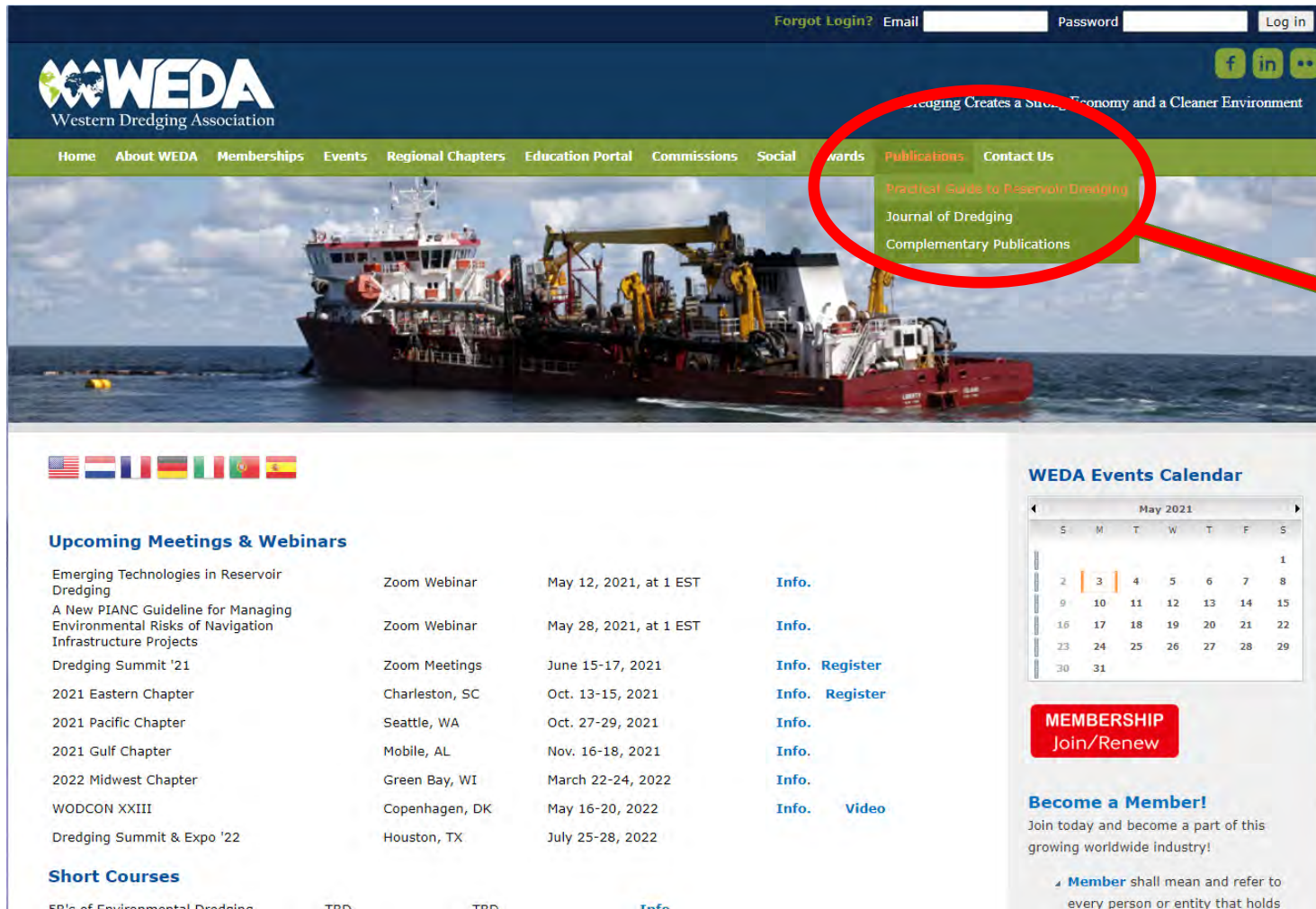
Past-President and Chair of WEDA

# Practical Guide to Reservoir Dredging

- WEDA
- WEDA Working Groups
- Reservoir Dredging Working Group
  - Jennifer Bountry (U.S. Bureau of Reclamation)
  - Stan Ekren (Great Lakes Dredge & Dock)
  - Marcel Hermans (Port of Portland) – Chair
  - Robert Ramsdell (Great Lakes Dredge & Dock)
  - Alfredo Ranaldi (Dragflow)
  - Tim Randle (U.S. Bureau of Reclamation)
  - Greg Smith (J.F .Brennan Company)
  - Tim Welp (U.S. Army Corps of Engineers, Engineer Research and Development Center)
  - Bob Wetta (DSC Dredge, LLC)
  - Michael Whelan (Anchor QEA, LLC)
- Linking Reservoir Sedimentation & Dredging



# WEDA website: [www.westerndredging.org](http://www.westerndredging.org)



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Western Dredging Association

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Practical Guide to Reservoir Dredging  
Journal of Dredging  
Complementary Publications

Upcoming Meetings & Webinars

Topic	Format	Date	Info
Emerging Technologies in Reservoir Dredging	Zoom Webinar	May 12, 2021, at 1 EST	<a href="#">Info.</a>
A New PIANC Guideline for Managing Environmental Risks of Navigation Infrastructure Projects	Zoom Webinar	May 28, 2021, at 1 EST	<a href="#">Info.</a>
Dredging Summit '21	Zoom Meetings	June 15-17, 2021	<a href="#">Info.</a> <a href="#">Register</a>
2021 Eastern Chapter	Charleston, SC	Oct. 13-15, 2021	<a href="#">Info.</a> <a href="#">Register</a>
2021 Pacific Chapter	Seattle, WA	Oct. 27-29, 2021	<a href="#">Info.</a>
2021 Gulf Chapter	Mobile, AL	Nov. 16-18, 2021	<a href="#">Info.</a>
2022 Midwest Chapter	Green Bay, WI	March 22-24, 2022	<a href="#">Info.</a>
WODCON XXIII	Copenhagen, DK	May 16-20, 2022	<a href="#">Info.</a> <a href="#">Video</a>
Dredging Summit & Expo '22	Houston, TX	July 25-28, 2022	

Short Courses

Topic	Format	Date	Info
50% of Environmental Dredging	TD	TD	<a href="#">Info</a>

WEDA Events Calendar

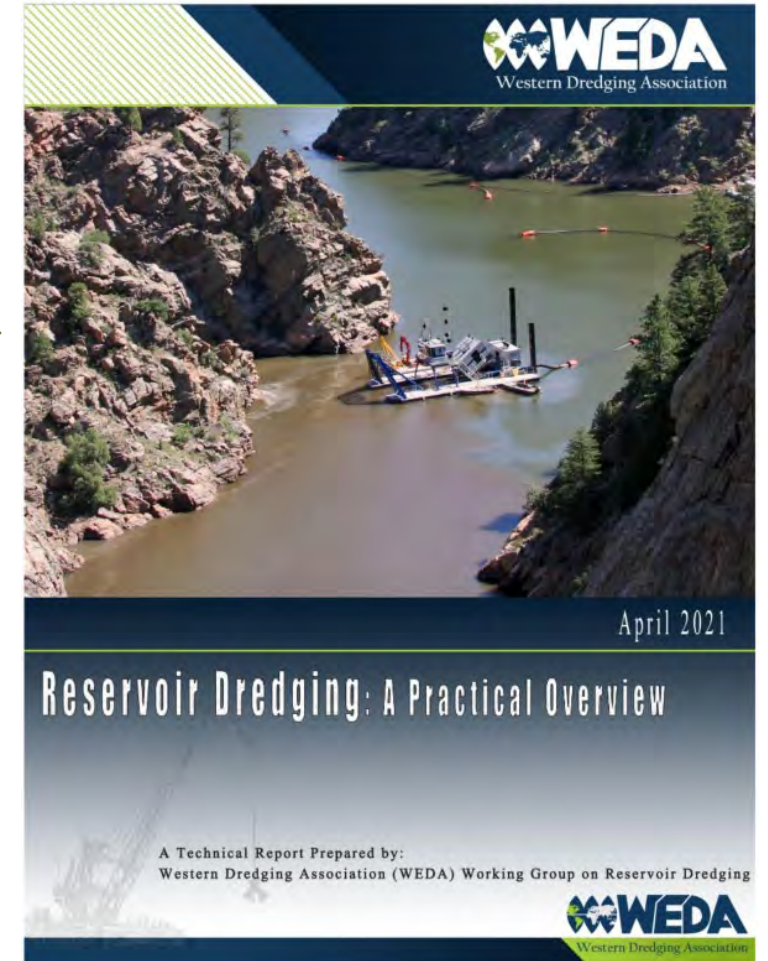
May 2021

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Member shall mean and refer to every person or entity that holds



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Western Dredging Association

April 2021

## Reservoir Dredging: A Practical Overview

A Technical Report Prepared by:  
Western Dredging Association (WEDA) Working Group on Reservoir Dredging

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# Report Structure

1. Introduction
2. Linking Reservoir Sedimentation and Maintenance: Sedimentation Management
3. Reservoir Sedimentation Management by Means of Dredging
4. Options for Placement or Disposal of Removed Sediment
5. Costs of Reservoir Dredging
6. New Technologies for Reservoir Dredging
7. Conclusions and Final Take-Away Message
8. References



## Reservoir Dredging

- Growing issue
- Sustainability philosophy
- Dredging basics: Equipment types, characteristics, requirements
- Where to go with the sediments
- Cost factors
- New technologies
- References



Thank you for attending!