## Maryland Clean Marina Initiative 2025 Seminars





Donna Morrow

Maryland Department of Natural Resources
Chesapeake and Coastal Services Unit
dnr.maryland.gov

## Clean Marina Program Mission



The Maryland Clean Marina Program was formed in response to federal legislation to address "nonpoint source pollution" (i.e. runoff) from the industry.

The program promotes the voluntary adoption of measures to prevent pollution by marinas, boatyards, yacht clubs, **and** recreational boaters.



# Non-point source pollution

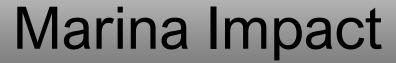




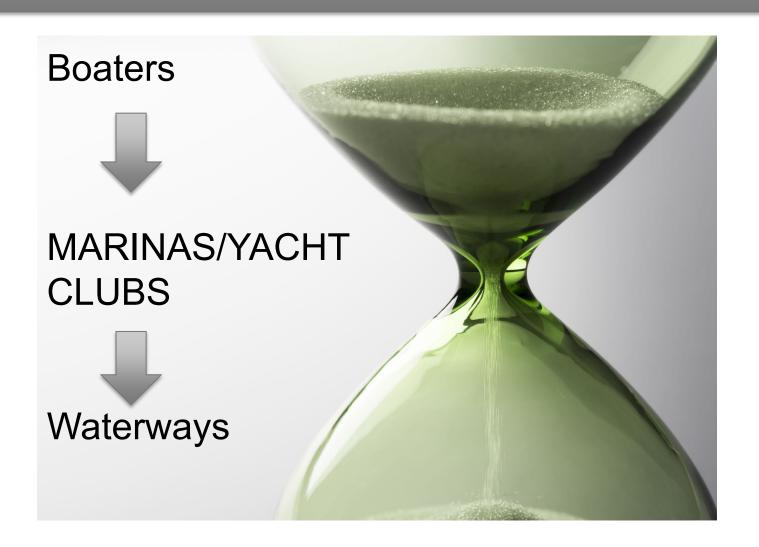












## Certification Basics





- -Why?
- -How?
- -When and where?
- -Who, Me?

#### **Benefits of Certification**



- 1. Help understanding all the rules and regulations.
- 2. Free promotion from DNR online, at boat shows, in ads
- 3. Cleaner, safer workplace.
- 4. Reduced marine insurance premiums.
- 5. Stay competitive.
- 6. Weed out problem customers.
- 7. Protect the natural resources your marina depends upon.
- 8. Good PR





#### What is a Clean Marina?





- Comply with all applicable environmental regulations.
- 2. Adopt a significant proportion of the pollution prevention practices in the Maryland Clean Marina Guidebook.
- 3. Pass a site inspection by a program staffer and the manager of another Clean Marina.

#### **Designation Process**





- 1. Review Program Materials
- Sign "Clean Marina Pledge" (optional)
- 3. Initial site visit with program staff (optional but recommended)
- Implement changes that YOU choose, to meet award scores
- 5. Certification Visit with DNR staff and manager of another Clean Marina
- 6. Approval ....Enjoy rewards!
- 7. Renewal

### 1. Program Materials



#### Maryland Clean Marina G U I D E B O O K



Maryland Department of Natural Resources

#### The Clean Marina Guidebook:

- Stormwater Management
- Boat Repair and Maintenance
- Petroleum Control & Emergency Planning
- Sewage Handling
- Waste Containment and Disposal
- Marina Management
- Laws and Regulations

# MD Clean Marina Guidebook



#### **Each Chapter Contains:**

- Environmental Concerns (why should you care?)
- Legal Information (what must you do?)
- Pollution prevention practices (what should I do?)

#### **Award Checklist**



Clean Marina		Manine Ton		2	1
Marina Name:Owner/Manager:		Marina Typ Marina, no		AN	M
Address:		- Marina, no			
Address.		— Boatyard, no slips			
Phone:	Other				
This form is intended to be used by marina operators twill also be used by representatives of the Maryland Cl numbers refer the reader to the Maryland Clean Marina calling 410-260-8770. A diamond (♠) after an entry is specific legal requirements.  Clean Marina Awards will be presented to those marinarea. Scoring is based on applicable items only. If recommended practices to be recognized as a Maryl compliance with all applicable laws and regulations.  The "not applicable" (N/A) option is offered so that iter	lean Marina Initia a Guidebook, avai ndicates that the r nas that meet or e Please note, it is land Clean Marin	tive to verify lable from the eader should exceed the mot necessa a. It is necessa	self assessme Clean Ma d refer to the ninimum rec ry to imple cessary, how	ents. T ina Initi Guiden uired si ment al wever, I	the iati
apply to your operations, will not be counted against yo a septic system, check N/A for Area 4 number 6. Like	wise, if the salinit	y of your ma	rina waters	will not	su
oysters, mark N/A for Area 8 number 8. There is space tell us about other items you would like the reviewers Area 1- VFSCFI MAINTENANCE AND REPAIR			v	S NO	,
tell us about other items you would like the reviewers  Area 1: VESSEL MAINTENANCE AND REPAIR	to take into consi	deration.	the second second	S NO	5
tell us about other items you would like the reviewers	to take into consi	deration.	the second second	ES NO	2
tell us about other items you would like the reviewers  Area 1: VESSEL MAINTENANCE AND REPAIR  As a condition of the General Permit for Discharges	to take into consi	deration.	the second second	ES NO	2
tell us about other items you would like the reviewers  Area 1: VESSEL MAINTENANCE AND REPAIR  As a condition of the General Permit for Discharges minimize and contain vessel maintenance debris. p DO YOU:  1. restrict maintenance activities to designated work.	to take into consi from Marinas, n pp. 83-86	deration.	the second second	ES NO	2
Area 1: VESSEL MAINTENANCE AND REPAIR As a condition of the General Permit for Discharges minimize and contain vessel maintenance debris. p DO YOU: 1. restrict maintenance activities to designated work. 2. contain dust from sanding? p. 29	to take into consi from Marinas, n pp. 83-86 areas? p. 28 (•)	deration.	the second second	ES NO	2
tell us about other items you would like the reviewers  Area 1: VESSEL MAINTENANCE AND REPAIR As a condition of the General Permit for Discharges minimize and contain vessel maintenance debris. p DO YOU:  1. restrict maintenance activities to designated work. 2. contain dust from sanding? p. 29 3. contain debris from blasting? p. 29 3. contain debris from blasting? p. 29 5.	to take into consi a from Marinas, n up. 83-86 areas? p. 28 (♠) .	deration.	the second second	ES NO	2
Area 1: VESSEL MAINTENANCE AND REPAIR As a condition of the General Permit for Discharges minimize and contain vessel maintenance debris. p DO YOU:  1. restrict maintenance activities to designated work. 2. contain dust from sanding? p. 29 3. contain debris from blasting? p. 29. 4. minimize immacts of pressure washing? p. 30. 84 4	from Marinas, n. p. 83-86 areas? p. 28 (\( \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	deration. narinas mus	the second second	ES NO	2
tell us about other items you would like the reviewers  Area 1: VESSEL MAINTENANCE AND REPAIR  As a condition of the General Permit for Discharges minimize and contain vessel maintenance debris. p DO YOU:  1. restrict maintenance activities to designated work.  2. contain dust from sanding? p. 29  3. contain debris from blasting? p. 29;  4. minimize impacts of pressure washing? p. 30, 84 ( 5. recommend bottom coatings w/ minimal environm	from Marinas, n. p. 83-86 areas? p. 28 (♦)	narinas mus	the second second	ES NO	2
Area 1: VESSEL MAINTENANCE AND REPAIR As a condition of the General Permit for Discharges minimize and contain vessel maintenance debris. p DO YOU:  1. restrict maintenance activities to designated work. 2. contain dust from sanding? p. 29 3. contain debris from blasting? p. 29 4. minimize impacts of pressure washing? p. 30, 84 ( 5. recommend bottom coatings w/ minimal environn of minimize impacts of painting operations? pp. 31-3	from Marinas, n. p. 83-86 areas? p. 28 (\( \	deration.  narinas mus	the second second	ES NO	0
Area 1: VESSEL MAINTENANCE AND REPAIR  As a condition of the General Permit for Discharges minimize and contain vessel maintenance debris. p DO YOU:  1. restrict maintenance activities to designated work.  2. contain dust from sanding? p. 29  3. contain debris from blasting? p. 29  4. minimize impacts of pressure washing? p. 30, 84 (  5. recommend bottom coatings w/minimal environn  6. minimize impacts of pressure washing?  7. handle solvents appropriately? p. 32 (  1. handle solvents appropri	to take into consi	marinas mus		ES NO	2
Area 1: VESSEL MAINTENANCE AND REPAIR As a condition of the General Permit for Discharges minimize and contain vessel maintenance debris. p DO YOU:  1. restrict maintenance activities to designated work. 2. contain dust from sanding? p. 29  3. contain debris from blasting? p. 29  4. minimize impacts of pressure washing? p. 30, 84 (5). recommend bottom coatings w minimal environn 6. minimize impacts of painting operations? pp. 31-3  7. handle solvents appropriately? p. 32 (4)  8. minimize environmental impacts form underwater	to take into consi  from Marinas, n p. 83-86  areas? p. 28 (*) .	deration.  narinas mus  31		ES NO	2
Area 1: VESSEL MAINTENANCE AND REPAIR As a condition of the General Permit for Discharges minimize and contain vessel maintenance debris. p DO YOU:  1. restrict maintenance activities to designated work. 2. contain dust from sanding? p. 29 4. minimize impacts of pressure washing? p. 30, 84 ( 5. recommend bottom coatings w/ minimal environn 6. minimize impacts of printing operations? pp. 31-3 7. handle solvents appropriately? p. 32 (•) 8. minimize environmental impacts from underwater (See Clean Boating Tip Sheet for Underwater Hull	to take into consi  from Marinas, n p. 83-86  areas? p. 28 (*) .	deration.  narinas mus  31		ES NO	0
area 1: VESSEL MAINTENANCE AND REPAIR  As a condition of the General Permit for Discharges minimize and contain vessel maintenance debris. p DO YOU:  1. restrict maintenance activities to designated work. 2. contain dust from sanding? p. 29  3. contain debris from blasting? p. 29  4. minimize impacts of pressure washing? p. 30, 84 (some present of the pressure washing? p. 31-37. handle solvents appropriately? p. 32 (♠)  8. minimize impacts of painting operations? pp. 31-37. handle solvents appropriately? p. 32 (♠)  8. minimize environmental impacts from underwater (See Clean Boating Tip Sheet for Underwater Hull 9 offer spill-proof oil changes? p. 40.	ifrom Marinas, np. 83-86 areas? p. 28 (•) •) nental impact? p. 12 r hull cleaning in I	deration.  narinas mus		ES NO	2
Area 1: VESSEL MAINTENANCE AND REPAIR As a condition of the General Permit for Discharges minimize and contain vessel maintenance debris. p DO YOU:  1. restrict maintenance activities to designated work. 2. contain dust from sanding? p. 29 4. minimize impacts of pressure washing? p. 30, 84 5. recommend bottom coatings w/ minimal environ 6. minimize impacts of painting operations? pp. 31-3 7. handle solvents appropriately? p. 32 (*) 8. minimize impacts of painting operations? pp. 31-3 8. minimize impacts of painting operations? pp. 31-3 9. softer spill-proof oil changes? p. 40 9. offer spill-proof oil changes? p. 40 10. provide an oil/water separation service to filter bilg	to take into consi  from Marinas, n p. 83-86  areas? p. 28 (•)  •) nental impact? p.  22  r hull cleaning in t cleaning ge water? p. 40	narinas mus		ES NO	2
tell us about other items you would like the reviewers  Area 1: VESSEL MAINTENANCE AND REPAIR  As a condition of the General Permit for Discharges minimize and contain vessel maintenance debris. p DO YOU:  1. restrict maintenance activities to designated work.  2. contain dust from sanding? p. 29  3. contain dust from sanding? p. 29  4. minimize impacts of pressure washing? p. 30, 84 ( 5. recommend bottom coatings w/ minimal environn  6. minimize impacts of painting operations? pp. 31-3  7. handle sobvents appropriately? p. 32 ( 8. minimize environmental impacts from underwate (See Clean Boating Tip Sheet for Underwater Hull  9. offer spill-proof oil changes? p. 40  10. provide an oil/water separation service to filter bil  11. offer MSD inspections and maintenance? p. 50	to take into consi  from Marinas, n p. 83-86  areas? p. 28 (•)  •) nental impact? p. 32  r hull cleaning in I Cleaning ge water? p. 40	narinas mus		ES NO	2
Area 1: VESSEL MAINTENANCE AND REPAIR As a condition of the General Permit for Discharges minimize and contain vessel maintenance debris. p DO YOU:  1. restrict maintenance activities to designated work. 2. contain dust from sanding? p. 29 4. minimize impacts of pressure washing? p. 30, 84 (5). The provided impacts of pressure washing? p. 30, 84 (5). recommend bottom coatings w minimal environn 6. minimize impacts of paintings with minimal environn 6. minimize impacts of painting operations? pp. 31-37. handle solvents appropriately? p. 32 (4) 8. minimize environmental impacts from underwater (See Clean Boating Tip Sheet for Underwater Hull 9) offer spill-proof oil changes? p. 40 10. provide an oil/water separation service to filter bill; 11. offer MSD inspections and maintenance? p. 50 11. cocommend/offer environmental audits or retrofits	to take into consist from Marinas, np. 83-86 areas? p. 28 (•) . •) nental impact? p. 32 rhull cleaning in I Cleaning ge water? p. 40 . s? p. 70 .	narinas mus		ES NO	2
Area 1: VESSEL MAINTENANCE AND REPAIR  As a condition of the General Permit for Discharges minimize and contain vessel maintenance debris. p DO YOU:  1. restrict maintenance activities to designated work.  2. contain dust from sanding? p. 29  3. contain debris from blasting? p. 29  4. minimize impacts of piressure washing? p. 30, 84 ( 5. recommend bottom coatings w/ minimal environn 6. minimize impacts of painting operations? pp. 31-37  7. handle solvents appropriately? p. 32 (♠)  8. minimize environmental impacts from underwater (See Clean Boating Tip Sheet for Underwater Hull 9. offer spill-proof oil changes? p. 40  10. provide an oil/water separation service to filter billy 11. offer MSD inspections and maintenance? p. 50  12. recommend/offer environmental audis or retroits DO YOU MINIMIZE ENVIRONMENTAL IMPACTS FR	to take into consist from Marinas, np. 83-86 areas? p. 28 (*)  **  **  **  **  **  **  **  **  **	narinas mus		ES NO	2
Area 1: VESSEL MAINTENANCE AND REPAIR  As a condition of the General Permit for Discharges minimize and contain vessel maintenance debris. p DO YOU:  1. restrict maintenance activities to designated work. 2. contain dust from sanding? p. 29.  3. contain debris from blasting? p. 29.  4. minimize impacts of pressure washing? p. 30, 84 (some present of the present o	to take into consi  from Marinas, n p. 83-86  areas? p. 28 (•)  •) nental impact? p. 32  r hull cleaning in cleaning in cleaning ge water? p. 40  si p. 70  COM:	narinas mus		ES NO	2
Area 1: VESSEL MAINTENANCE AND REPAIR As a condition of the General Permit for Discharges minimize and contain vessel maintenance debris. p DO YOU:  1. restrict maintenance activities to designated work. 2. contain dust from sanding? p. 29 4. minimize impacts of pressure washing? p. 30, 84 5. recommend bottom coatings w/ minimal environ 6. minimize impacts of painting operations? pp. 31-3 7. handle solvents appropriately? p. 32 (•) 8. minimize impacts of painting operations? pp. 31-3 8. minimize environmental impacts form underwater (See Clean Boating Tip Sheet for Underwater Hull 9. offer spill-proof oil changes? p. 40 10. provide an oil/water separation service to filter bilg 11. offer MSD inspections and maintenance? p. 50 12. recommend/offer environmental audits or retrofits DO YOU MINIMIZE ENVIRONMENTAL IMPACTS FR 13. engine repair and maintenance? pp. 32-33 1. 4 winterization work? p. 33 1. 4 winterization work? p. 31 1. 5 minimize	to take into consist from Marinas, np. 83-86 areas? p. 28 (•) . •) nental impact? p. 32 rhull cleaning in to Cleaning ge water? p. 40 s? p. 70 COM:	narinas mus			2
Area 1: VESSEL MAINTENANCE AND REPAIR  As a condition of the General Permit for Discharges minimize and contain vessel maintenance debris. p DO YOU:  1. restrict maintenance activities to designated work. 2. contain dust from sanding? p. 29.  3. contain debris from blasting? p. 29.  4. minimize impacts of pressure washing? p. 30, 84 (some present of the present o	to take into consi  from Marinas, n p. 83-86  areas? p. 28 (•)  •) nental impact? p. 32  r hull cleaning in cleaning in cleaning ge water? p. 40  si p. 70  COM:	narinas mus		SS NO	2
tell us about other items you would like the reviewers  Area 1: VESSEL MAINTENANCE AND REPAIR  As a condition of the General Permit for Discharges minimize and contain vessel maintenance debris. p DO YOU:  1. restrict maintenance activities to designated work.  2. contain dust from sanding? p. 29  4. minimize impacts of pressure washing? p. 30, 84 (  5. recommend bottom coatings w minimal environn (  6. minimize impacts of painting operations? pp. 31-3  7. handle solvents appropriately? p. 32 (  8. minimize environmental impacts from underwater (  See Clean Boating Tip Sheet for Underwater Hull 9, offer spill-proof oil changes? p. 40  10. provide an oil/water separation service to filter bill, 11. offer MSD inspections and maintenance? p. 50  11. crecommend/offer environmental audits or retrofits DO YOU MINIMIZE ENVIRONMENTAL IMPACTS FR 13. engine repair and maintenance? p. 32-33  14. winterization work? p. 33  15. in-water maintenance? p. 33	to take into consi  from Marinas, n p. 83-86  areas? p. 28 (•) .  •) nental impact? p. 32  rhull cleaning in Cleaning ge water? p. 40 . 32 p. 70 . COM:	narinas mus	in the second se		
Area 1: VESSEL MAINTENANCE AND REPAIR As a condition of the General Permit for Discharges minimize and contain vessel maintenance debris. p DO YOU:  1. restrict maintenance activities to designated work. 2. contain dust from sanding? p. 29 4. minimize impacts of pressure washing? p. 30, 84 5. recommend bottom coatings w/ minimal environ 6. minimize impacts of painting operations? pp. 31-3 7. handle solvents appropriately? p. 32 (•) 8. minimize impacts of painting operations? pp. 31-3 8. minimize environmental impacts form underwater (See Clean Boating Tip Sheet for Underwater Hull 9. offer spill-proof oil changes? p. 40 10. provide an oil/water separation service to filter bilg 11. offer MSD inspections and maintenance? p. 50 12. recommend/offer environmental audits or retrofits DO YOU MINIMIZE ENVIRONMENTAL IMPACTS FR 13. engine repair and maintenance? pp. 32-33 1. 4 winterization work? p. 33 1. 4 winterization work? p. 31 1. 5 minimize	to take into consi  from Marinas, n p. 83-86  areas? p. 28 (•) .  •) nental impact? p. 32  rhull cleaning in Cleaning ge water? p. 40 . 32 p. 70 . COM:	narinas mus	in the second se		

- Areas of Checklist follow chapters of Guidebook.
- All questions have page number—follow to the Guidebook for specifics
- You are only scored on items that apply to your marina.

# 2. Sign the Pledge (optional)





The Maryland Clean Marina Initiative promotes and celebrates voluntary adoption of measures to reduce pollution from marinas and recreational boats. Designated "clean marinas" are recognized as environmentally-responsible businesses.

As the first step toward achieving Clean Marina status and on behalf of

(name of marina or boatyard),

I pledge to do my part to keep Maryland's waterways free of harmful chemicals, excess nutrients, and debris. I will identify opportunities and implement practices to control pollution associated with any of the following activities that apply to my facility:

- Vessel maintenance and repair
- · Petroleum storage and transfer
- Sewage disposal
- Solid, liquid and hazardous wastes
- Stormwater runoff
- Facilities management

I commit to actively pursue full standing as a Maryland Clean Marina. Within one year of the date below, I plan to implement appropriate pollution prevention practices and to apply to the Maryland Department of Natural Resources for recognition as a Maryland Clean Marina.

Name of Marina Owner	Date	
Name of Marina Manager	Date	

- "Pledge" to identify ways to reduce pollution and become certified within the year.
- Recognition on DNR website.
- Post it in your office—promote yourself!

#### 3. Informal Site Visit



- We can see what activities are on site.
- Identify areas to
  - save energy and water
  - reduce polluted runoff
  - educate boaters/guests
  - prepare for emergencies
- Identify any missing plans or permits.
- You will get a written summary.





# 4. Implement *Your*Clean Marina practices





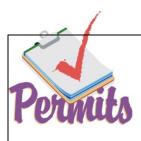
Neat, clean liquid recycling tanks.



Outreach and educating your boaters.



Improve storm water controls— "rain barrels" are an example



Obtain any missing permits; prepare any required plans.



Update contracts with slip holders and tenants

# Clean Marina Practices continued











### Free Help from DNR



- Boater education materials
- Sample contract language \*
- Sample sign ideas (pp 67-69)\*
- Free training guide\* and materials for staff
- Compliance assistance to help with plans/permits



Petroleum Control kit and a Clean Boating Tip Card. Free on request.

\*In the Guidebook!

#### 5. Confirmation Visit





- Time and date convenient to you
- About 90 minutes
- DNR staff and manager of another Clean Marina will walk the site and verify items on the Checklist with you.

#### **Enjoy and Continue!**





- Use the Clean Marina Logo, flag, sign.
- Profile on DNR website.
- Maintain training, outreach and records.
- Renew in writing for two years.
- We re-visit Clean
   Marinas every three years.

### Who should participate?



- ➤ Boatyards
- ➤ Marinas
- > Yacht Clubs
- > Community Associations
- Municipal Facilities
- > All marine facilities welcome!









#### **Testimonials**



- 20% of certified marinas saved money as a result of implementing CM practices.
- 29% found new sources of revenue.
- 28% attracted new customers.
- 96% said the benefits of operating a Clean Marina were worth the time and/or money.
- 100% <u>recommended that other</u> <u>marinas join the program</u>.





### Questions?









#### **UP NEXT**



- Abandoned
   Boats and
   Mechanic's
   Liens
- Pumpout Grant Information

# RECAP & MARYLAND ANNOUNCEMENT OF NATURAL RESOURCES

- 1. Recap
- 2. Optional marina/boatyard tour
- 3. Shrinkwrap Recycling 2025
- 4. Turning the Tide Virtual Summit
- 5. Sea Level Rise Prediction Tool
- 6. Evaluations

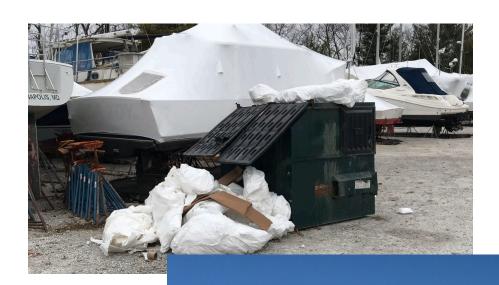
## Seminar Recap



- Clean Marina Guidebook and Checklist go hand in hand.
- Conduct a self evaluation then contact me to arrange a walk through.
- Pumpout Grants
  - ž 25-MA Permit
  - the Marina fuel piping regulations

### Shrinkwrap Recycling





Avoid the MESS and STRESS and COST of dumpster tipping this spring.

Recycle with Marine Trades Assn. and the Clean Marina Program.

mtam.org/shrinkwrap -recycling-for-2025/

## Shrinkwrap Recycling



- Pay as you Throw model. \$15/bag.
- The bags indicate that the user has paid into the recycling program costs.
- Build cost into service contracts—see sample in your folder.
- Instructions provided for each customer (in your folder)

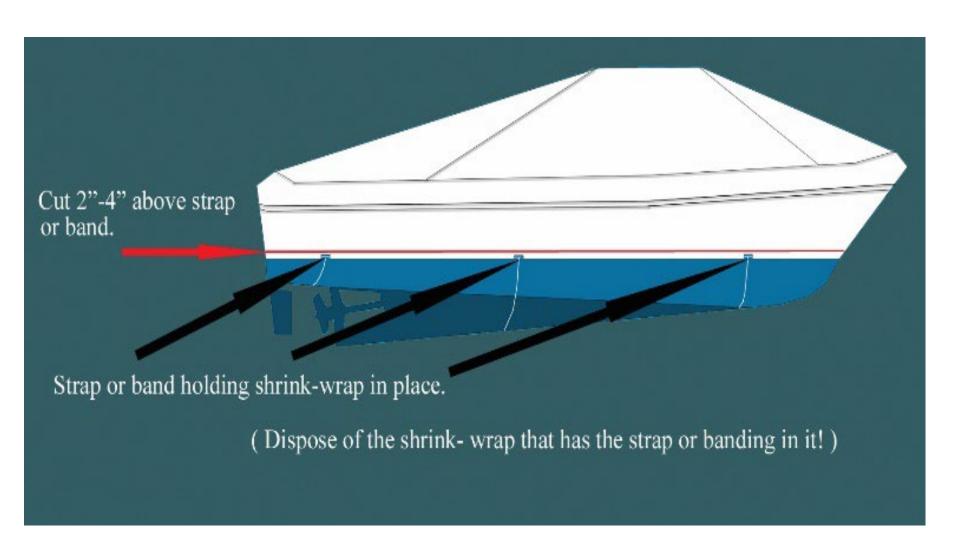
mtam.org/shrinkwrap-recycling-for-2025/





# Remove the Wrap Properly!





### Shrinkwrap Recycling





**2024:** <u>65,000 lbs. recycled!</u>

Order bags at mtam.org/shrinkwrap-recycling-for-2025/ this winter for spring delivery. Questions? shrinkwrap@mtam.org 410-269-0741

#### Turning the Tide Virtual Summit Feb 25-27



"Turning the Tide" will be a three-day virtual summit centered on exploring existing and emerging technologies and best practices for **responsible and sustainable disposal of boating-related waste streams.** 

- Fiberglass (ADVs)
- Shrinkwrap
- Flares
- Marine debris
- Derelict fishing gear



boatus.org/advgrant For more information

#### Sea Level Rise



Maryland marinas are in locations vulnerable to sea level rise. NOAA has a tool that will let you see the impacts of different degrees of sea level rise directly at any location.

#### coast.noaa.gov/slr

- Long range planning
- Redevelopment



# Evaluations & Materials



Evaluations in your folder

Take materials

Marina tour

## Clean Marinas—Partners in Protection







Donna Morrow donna.morrow@maryland.gov 410-260-8773

