



BOARDING DOCK MAINTENANCE

TOPICS

- OSMB Maintenance Manual
 - Technical Assistance
 - Permitted Work
 - Parts & Supplies
 - Inspection Worksheet
-

MONITOR & REPAIR SCHEDULE

- Routine Maintenance
 - Day to Day
 - Seasonal Maintenance
 - Quarterly
 - Preseason and/or Postseason
 - Once or twice yearly
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ROUTINE MAINTENANCE

- DECKING
 - RUB STRIP
 - BULL RAILS
 - HINGES
 - BELTING
 - FASTENERS
-

SEASONAL MAINTENANCE

- PILE ROLLERS
 - GROUNDING RAILS
 - DEBRIS
 - ABUTMENT
 - TRAFFIC DELINEATORS
-

PRESEASON / POSTSEASON

- PILING
- FLOATATION
- DOCK REMOVAL

OSMB MAINTENANCE MANUAL

- Oregon State Marine Board
 - 503-378-8587
- <https://www.oregon.gov/osmb/boating-facilities/>
- <https://sites.google.com/site/osmbenvironmental/resources>

PRIORITIZE MAINTENANCE NEEDS

Structural

Functional

Safety

PRIORITIZE MAINTENANCE NEEDS

Structural

- Extend the Life of the Docks

Functional

- Usable for Boaters

Safety

- Reduce the Owner's Liability

PRIORITIZE MAINTENANCE NEEDS

Structural

- Hinges
- Piling
- Pile Hoops

PRIORITIZE MAINTENANCE NEEDS

Functional

- Rub Strips
- Decking
- Bull Rails
- Debris/Sediment

PRIORITIZE MAINTENANCE NEEDS

User/Safety

- Traffic Delineator
- Transition Plate
- Belting
- Signs

PARTS & SUPPLIES- RUB STRIP

Medium Post and Dock Bumper Mod. #DB3.CU

Taylor Made Products, Gloversville, NY,
<http://www.taylormadeproducts.com/catalog>

Rub Rail 5007

Marina Accessories, Bellingham, WA
<http://www.marina-accessories.com/>

Single Cushion Dock Bumper Part # 75000660

Frank J. Martin Co, Lynnwood WA 206-523-7665
<http://www.fjmartin.com/locations/4/engineered-product-team>

PARTS & SUPPLIES

- BELTING

8"x 64" #3LC 330 1/32 x BB reinforced neoprene belting

Hoffmeyer Company, Wilsonville, OR, 503-682-3555

<https://www.hoffmeyerco.com/conveyor-belts.html>

- PILE ROLLERS

Henderson Marine, Richmond, CA

<http://www.hendersonmarine.com/> Marina Accessories, Bellingham, WA

<http://www.marina-accessories.com/>

PARTS & SUPPLIES

- TRAFFIC DELINEATORS

Impact Recovery Post #1 1300399, yellow, 36"

Traffic Safety Supply, Portland, OR

<http://www.tssco.com/>

- SIGNS

Oregon Corrections Enterprises

541-881-4556

<http://oce.oregon.gov/signage.html>

PARTS & SUPPLIES

See Common Parts List in

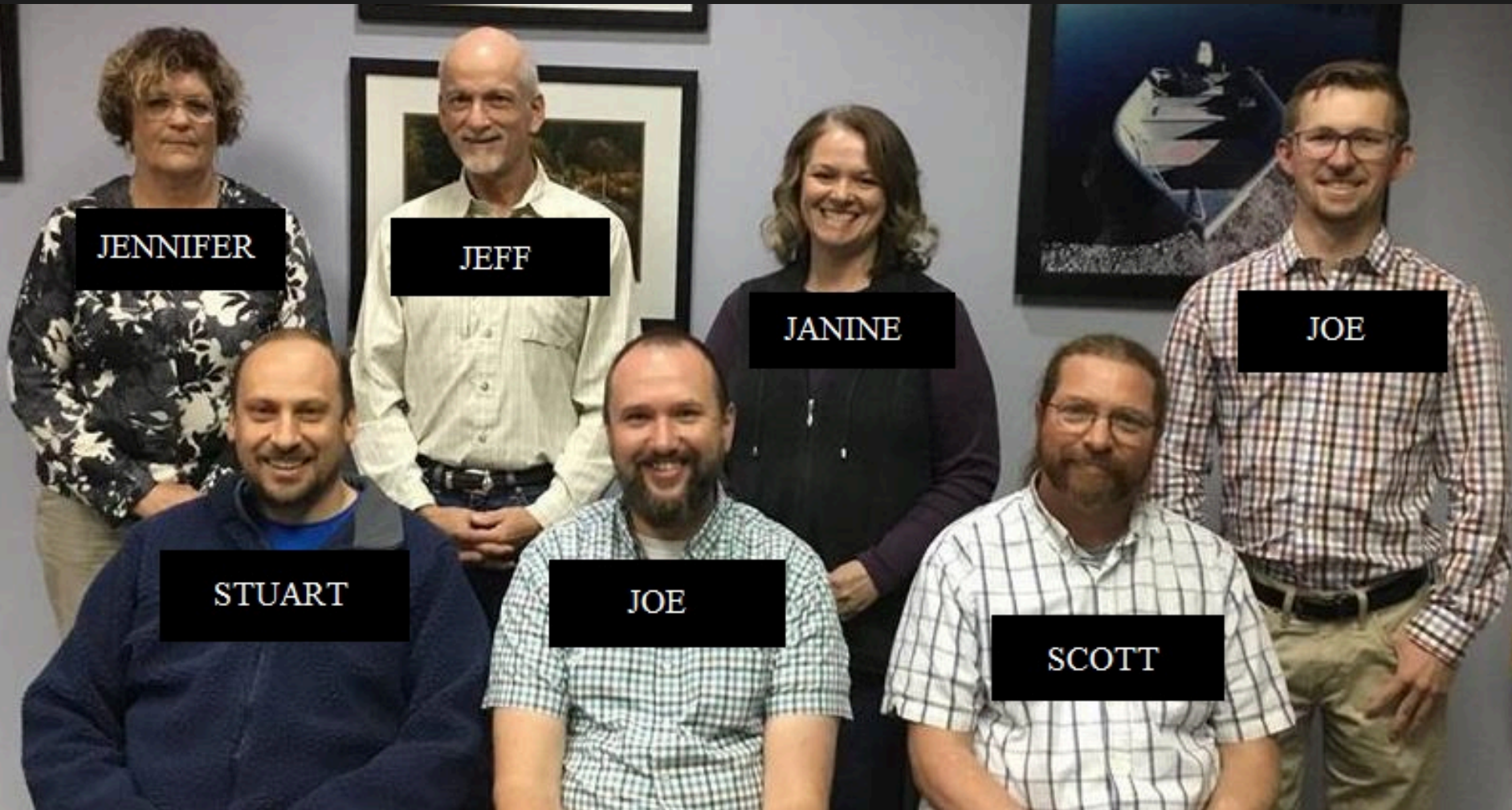
OSMB Maintenance Manual

- <https://www.oregon.gov/osmb/boating-facilities/>
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ASSISTANCE FROM OSMB

- Advice on technical issues
 - Design standards
 - Construction specifications
 - Repair strategies
 - Assist with funding
-

OSMB TECHNICAL ASSISTANCE



JENNIFER

JEFF

JANINE

JOE

STUART

JOE

SCOTT

OSMB TECHNICAL ASSISTANCE

- Oregon State Marine Board
- 503-378-8587

PERMIT AGENCIES

U.S. Army Corps of Engineers (COE)

Department of State Lands (DSL)

PERMIT AGENCIES

U.S. Army Corps of Engineers (COE)

- Federal Clean Water Act
- Federal Rivers & Harbors Act

Department of State Lands (DSL)

- State Removal - Fill Law

PERMIT AGENCIES

COE Federal Partners

- Department of Environmental Quality (DEQ)
 - Department of Land Conservation and Development (DLCD)
 - NOAA Fisheries (NMFS)
 - U.S. Fish & Wildlife Service (USFWS)
-

PERMIT AGENCIES

U.S. Army Corps of Engineers (COE)

503-808-4373

Department of State Lands (DSL)

503-986-5200

FOAM ENCAPSULATION

- The rules for encapsulating foam flotation of docks are changing.

For information about OSMB's Encapsulation Program, contact James Cogle at (503) 378-2611

INSPECTION WORKSHEET

OSMB BOATING FACILITY INSPECTION FORM

GRANT MAP CVA NON-GRANT LAT: _____ Long: - _____

FACILITY NAME: Umatilla marina DATE: 6/8/16

MANAGING AGENCY: City of Umatilla

Parking Fee Launch Fee Entry Fee Fee: \$ _____

PARKING & ACCESS ROAD:

Surface Type _____

of Trailer Spaces _____ # of Single Car Spaces _____

Overflow: Surface _____

of Disabled Trailer Spaces _____

of Disabled Car Spaces _____

Access Road: Surface _____

MAINTENANCE NEEDS:

- | | |
|--|---|
| <input type="checkbox"/> Surface | <input type="checkbox"/> Signs |
| <input type="checkbox"/> Islands | <input type="checkbox"/> Striping |
| <input type="checkbox"/> Turf Management | <input type="checkbox"/> Garbage |
| <input type="checkbox"/> Curbing | <input type="checkbox"/> Sidewalks |
| <input type="checkbox"/> Stormwater Features | <input type="checkbox"/> Pavement Markers |

Notes: _____

RESTROOMS:

Type _____

of Stalls _____

Showers

of Shower Stalls: _____

MAINTENANCE NEEDS:

- | | |
|---|--|
| <input type="checkbox"/> Cleaned/Stocked | <input type="checkbox"/> Garbage |
| <input type="checkbox"/> Hand Dryers/Paper Towels | <input type="checkbox"/> Signs |
| <input type="checkbox"/> Odor | <input type="checkbox"/> Vandalism |
| <input type="checkbox"/> Inside Building | <input type="checkbox"/> Cracking |
| <input type="checkbox"/> Outside of Building | <input type="checkbox"/> Drinking Fountain |
| <input type="checkbox"/> Sinks | <input type="checkbox"/> Lights-Inside & Out |
| <input type="checkbox"/> ADA Access
(ramp, doors, grab rails, etc) | <input type="checkbox"/> ADA Stalls |

Notes: _____

INSPECTION WORKSHEET

RAMP:

Surface Type # of Lanes

MAINTENANCE NEEDS:

- | | |
|--|---|
| <input type="checkbox"/> Ramp Surface | <input type="checkbox"/> Staging/Ready Area |
| <input type="checkbox"/> Maneuver Area | <input type="checkbox"/> Toe of Ramp |
| <input type="checkbox"/> Rip Rap | <input type="checkbox"/> Sediment |
| <input type="checkbox"/> Trench drain | |

Notes:

FLOATING RESTROOM:

Door Count #

Type: Balance: Mooring:

MAINTENANCE NEEDS:

- | | |
|---|--|
| <input type="checkbox"/> Holding Tank Level Indicator | <input type="checkbox"/> Light (Beacon) |
| <input type="checkbox"/> Reflective Tape | <input type="checkbox"/> Rub Strips |
| <input type="checkbox"/> Doors | <input type="checkbox"/> Door Counter |
| <input type="checkbox"/> Odor | <input type="checkbox"/> Cleaned/Stocked |
| <input type="checkbox"/> Chemical Solution | <input type="checkbox"/> Ballast Pump |
| <input type="checkbox"/> Signs | <input type="checkbox"/> Buoy |

Notes:

INSPECTION WORKSHEET

DOCKS/DEBRIS BOOM/PILING:

- Boarding Docks:** Linear feet
- Short-Term Tie-Up:** Linear feet
- Ski Dock:** Linear feet
- Type: Piles: #

Dock to Shore Connection:

Debris Boom:

MAINTENANCE NEEDS:

- Pile Hoops
- Decking
- Bull Rails
- Rub Strips
- Belting
- Signs
- Transition Plate
- Hinges
- Debris/Sediment
- Traffic Delineator
- Piling

Notes:

CVA:

Brand: Meter Hours

Type:

Pumped 5 Gal Bucket Dry in Seconds

Fair 10 sec. Good 15 sec. Excellent 20 sec.

MAINTENANCE NEEDS:

- Hose/Water
- Nozzle
- Basin
- Enclosures
- On/Off Switch
- Operating Instructions
- Dump Station Hinges

Notes:

INSPECTION WORKSHEET

MISCELLANEOUS:

Fuel: Gas: \$ _____/gal Diesel \$ _____/gal

Garbage Can/Dumpster: Qty: _____

Full Half Full Empty

Location or garbage can/dumpster: _____

- | | |
|--|---|
| <input type="checkbox"/> Turf | <input type="checkbox"/> Sports Area |
| <input type="checkbox"/> Marina | <input type="checkbox"/> Concessionaire |
| <input type="checkbox"/> Credit Signs | <input type="checkbox"/> Caretaker |
| <input type="checkbox"/> Fish Cleaning Station | <input type="checkbox"/> Fishing Pier |
| <input type="checkbox"/> Boat Wash Station | <input type="checkbox"/> Camping |
| <input type="checkbox"/> Picnic | |

Shared Use:

Additional Comments:

Large empty light blue area for additional comments.

INSPECTION WORKSHEET

DOCKS/DEBRIS BOOM/PILING:

Boarding Docks: Linear feet

Short-Term Tie-Up: Linear feet

Ski Dock: Linear feet

Type: Piles: #

Dock to Shore Connection:

Debris Boom:

MAINTENANCE NEEDS:

Pile Hoops

Transition Plate

Decking

Hinges

Bull Rails

Debris/Sediment

Rub Strips

Traffic Delineator

Belting

Piling

Signs

Notes:

SUMMARY

- OSMB Maintenance Manual
 - Technical Assistance
 - Permitted Work
 - Parts & Supplies
 - Inspection Worksheet
-

ALIGNMENT



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BELTING



BELTING



BULL RAIL



BULL RAIL



BULL RAIL



BULL RAIL



BUMPER / RUB RAIL



BUMPER / RUB RAIL



BUMPER / RUB RAIL



BUMPER / RUB RAIL



DEBRIS



DEBRIS



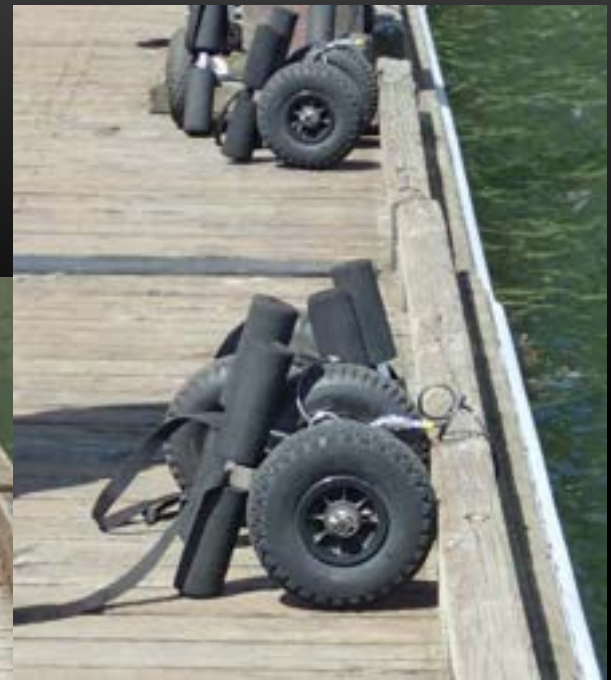
DEBRIS



DEBRIS DAMAGE REPAIR



DEBRIS



DECKING



DECKING



DELINEATOR



DELINEATOR



FASTENER



FASTENER



FASTENER



DECK CLEANING



FLOATATION



HINGE



HINGE



PILE HOOP



PILE HOOP



PILE HOOP



PILE HOOP



PLANTS



ROLLER



ROLLER



ROLLER



ROLLER



ROLLER



ROT



SIGN



SIGN



TRANSITION



TRANSITION



TRANSITION



WALE



WALE





QUESTIONS?