

# Sector Upper Mississippi River

*“All Threats...All Hazards...Always Ready”*



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10 February 2016



# Sector Upper Mississippi River (UMR)

In attendance today:

<b>Captain Martin Malloy</b>	<b>Sector Commander</b>
<b>LCDR Sean Peterson</b>	<b>Prevention Department Head</b>
<b>LCDR Kristine Neeley</b>	<b>Waterways Management Chief</b>
<b>BMCM Jason Willey</b>	<b>GASCONADE Officer in Charge</b>
<b>BMCM Scott Ehrich</b>	<b>CHEYENNE Officer in Charge</b>
<b>BMC Matthew Avery</b>	<b>GASCONADE Exec Petty Officer</b>

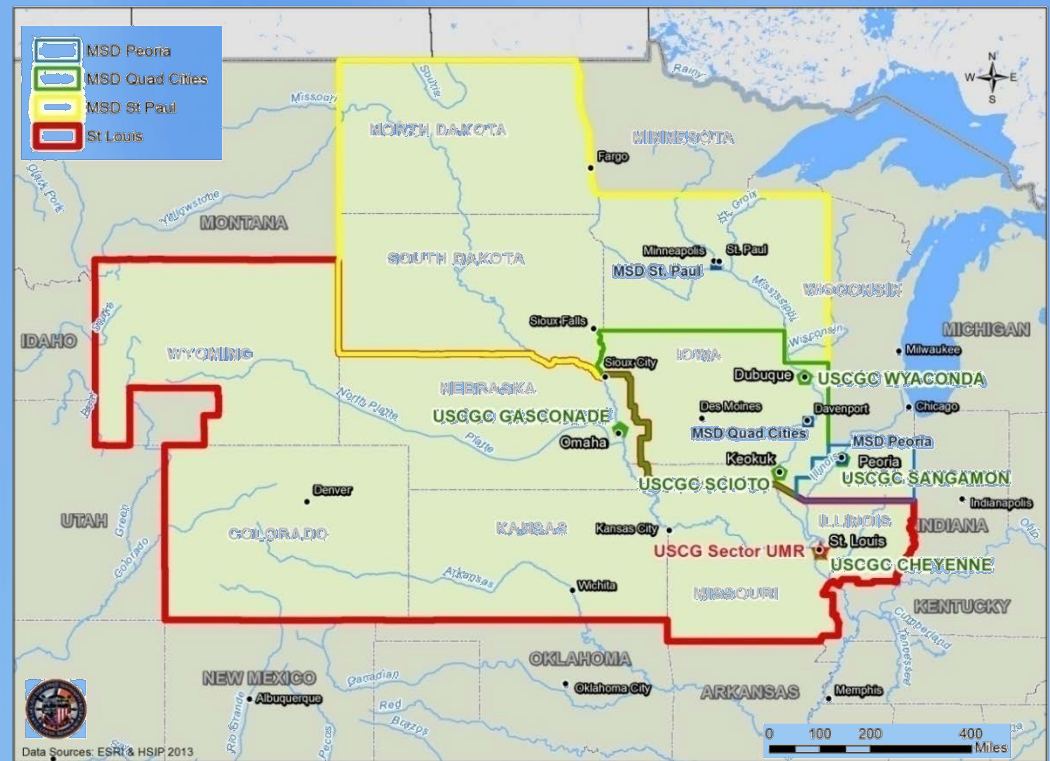


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# Sector Upper Mississippi River (UMR)

- Sector UMR area of responsibility:
  - 2,200 miles of waterways
    - Mississippi, Missouri & Illinois Rivers & Various Tributaries
  - All or part of 11 States
  - 33 locks & dams, 238 bridges & 7 major population centers



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# Missouri River ATON

- Maintain 693 buoys & 534 fixed Aids to Navigation
- Buoys are Jet Coned into place using water pressure from the fire main
- CGC CHEYENNE & GASCONADE work the Missouri River AOR



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# CGC CHEYENNE

**Home Port:**

**St. Louis, MO**

**Officer in Charge:**

**BMCM Scott Ehrich**

**Area of Responsibility:**

**UMR MM109 - MM200**

**MOR MM0 – MM226**



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# CGC GASCONADE

**Home Port:** Omaha, NE  
**Officer in Charge:** BMCM Jason Willey  
**Area of Responsibility:** MOR MM226 - MM732



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# 2015 Missouri River Operational Summary

Cutter	Missouri River Hours Underway	Days Lost to Casualties
CHEYENNE	FY 14 132 hours FY 15 129 hours	FY 14 101 days FY 15 1 day + 115 days IRESS
GASCONADE	FY 14 452 Hours FY15 893 hours	FY 14 218 days FY 15 201 days



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# Automatic Identification System (AIS) Requirements 33 CFR 164

- AIS CLASS A DEVICE - **REQUIRED NLT March 1<sup>st</sup>, 2016**
- ALL Federal Navigable Waterways
  - Self propelled commercial vessel > 65', Towing vessel >26'/600 hp (in commercial service)
  - Vessels certificated to carry more than 150 PAX,
  - Dredges (in/near shipping channels)
  - Any size vessel engaged in movement of CDC or flammable/combustible cargo in bulk
- AIS CLASS B DEVICE – **In Lieu Of Class A Device**
  - T Boats (>65) (not in VTS area and speed ≤ 14 knots)
  - \* Dredges: **The definition of a dredge does not include a deck barge with a crane or excavator.**



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# Waterways Analysis Management System (WAMS)

- **Goal:** Efficiently match waterway attributes and services with user needs
- **Collect Data:**
  - Geographic Information
  - Bridge Information
  - Marine Casualty Information
  - Facility Information
  - Aid Discrepancy Trends
  - Waterway user rides
  - User input



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# Waterways Analysis Management System (WAMS)

- *Sector Upper Mississippi River conducted a WAMS of the Missouri River to include 2010-2015*
- *A review was conducted over the period June 2014-May 2015*
- *Previous WAMS were conducted in 2004 and 2009*
- *At the time of the WAMS, the Missouri River was designated as “Navigationally Critical” and “Militarily and Environmentally Non-Critical”*



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# Waterways Analysis Management System (WAMS)

- Geographic Data:
  - Missouri River covers 7 states: Wyoming, North Dakota, South Dakota, Nebraska, Kansas, Iowa & Missouri
  - USACE controls water depth from 1 April – 1 December to maintain a 9' depth and 300' wide channel.
- Bridges:
  - The Missouri River has 55 bridges in SUMR AOR



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# Waterways Analysis Management System (WAMS)

- Marine Casualty:
  - Groundings – 11
  - Collisions – 0
  - Allisions – 5
- Aid Discrepancy Trends:
  - 79 total between 2012-2014
- Waterway User Rides



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# Waterways Analysis Management System (WAMS)

- Facility Information:
  - Currently there are 45 commercial facilities located on the MOR
  - There are 201 Boat Ramps located on the Missouri River
  - According to the 2014 Missouri State Freight Plan, there are 14 port authorities on the MOR (6 Active, 3 Inactive & 5 Developing)



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# Waterways Analysis Management System (WAMS)

- Commercial Vessel Traffic & Commodities:
  - Nearly 94% of the commercial tonnage on the MOR is transported between St. Louis and Kansas City, MO (MM 0 – 370). Over 90% of the tonnage shipped on the MOR is unregulated non-hazardous cargo.
  - The primary cargos transported on the MOR were sand and gravel, waterway improvement material, asphalt, cement/concrete, and fertilizer.
  - Of the less than 10% that are hazardous cargo, this group only makes up 0.17% of the overall trips on the MOR while dry cargo makes up 98.7%.
  - The MOR commodity index indicates that it makes up 3% of the tonnage in SUMR AOR.



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# Waterways Analysis Management System (WAMS)

- User Input:
  - Sector Upper Mississippi River conducted an extensive outreach campaign to include:
    - User surveys
    - Public meetings
    - Publication in D8 LNM, Federal Register, The Waterways Journal and recreational boating websites
  - Received 22 responses



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# Sector Upper Mississippi River ATON Resource Allocation

Waterway	Percent of Commerce	Percent of ATON Resources
Mississippi River	75%	45%
Illinois River	22%	21%
Missouri River	3%	34%

Statistics based upon 2012 USACE Report & Cutter operational hours.



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# Analysis

- ***Benefit Analysis***
  - Aids to Navigation Manual- Administration (COMDTINST M16500.7A)
- **“Navigationally Non-Critical”**
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# Questions ???



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