

Aids to Navigation and Icebreaking

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AIDS TO NAVIGATION



USCG MARITIME SHORT RANGE AIDS TO NAVIGATION STRATEGIC PLAN

D9 ATON

Floating ATON

▪ Lighted Buoys	698
▪ Unlighted Buoys	843

Fixed ATON

▪ Lights	740
▪ Daybeacons	<u>128</u>

Federal Aids	2,409
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Private Aids	3,266
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CCGD9 (dpw)

January 2010

Install LED lanterns on Lighthouses

91 Lighthouses

■ 2006	03 LED Lanterns Installed	3%
■ 2007	10 LED Lanterns Installed	14%
■ 2008	11 LED Lanterns Installed	26%
■ 2009	16 LED Lanterns Installed	43%
■ 2010	<u>14</u> Planned projects	59%

54



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Increase SC LED Lanterns on Red and Green lighted Buoys by 75% by the End of 2010

D9 698 Lighted Buoys

2006	41 Installed	05%
2007	87 Installed	18%
2008	61 Installed	27%
2009	101 Installed	42%
2010	<u>335</u> planned	89%
	625	



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SABIK



Prototype LIR



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Year Round Lighted Ice Buoys

- 2007 purchased and deployed 5 SABIK Lighted Year Round Buoys
- 2008 purchased and deployed 7 SABIK Lighted Year Round Buoys
- 2009 Deployed modified Coast Guard designed 7 X 20 LIB now classified as a LIR
 - (4) St. Mary's River
 - (1) Straights of Mackinaw
 - (1) Western Lake Erie (East Outer Channel)



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Increase LED Lanterns on Red and Green Fixed Aids by 40% by 2011

744 Lighted Fixed Aids

■ 2009	119 Installed	15%
■ 2010	<u>163</u> planned 282	37%



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OTHER STRATEGIC GOALS

- Reduce the use of VM-100 Fog Detectors by 50% by 2015
- Reduce the number of sound signals on buoys by 50% by 2015
- Reduce the total aid population by 5% from 2005 levels by 2012
- Increase aid service intervals to 30 months by the end of 2010



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WAMS - Waterway Analysis and Management System Review

- 59 Waterways in D9
- Assigned to Cutters and Sectors
- Critical Waterways every 5 years
- Non-Critical Waterways every 10 years
- 2009 completed 20 reviews (caught up)
- 2010 5 reviews due



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2010 WAMS Reviews

- | | |
|--------------------------|----------------|
| ■ St. Lawrence Seaway | Sector Buffalo |
| ■ Sandusky/Muddy Creek | Sector Detroit |
| ■ Les Cheneaux Islands | Sector Sault |
| ■ Keweenaw Waterway | CGC ALDER |
| ■ Chicago/Calumet Harbor | Sector Lake MI |



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Icebreaking

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CGC Bristol Bay



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Icebreaking

- New Policy signed 23 Dec 2010
- CGC PENOBSCOT BAY from Bayonne, NJ winter over
- Lost cutter days – Extended Season 12 days – no direct operational impact.



Icebreaking

- DOMICE Mission Analysis Report (MAR)
Assessing mission needs, capabilities, and gaps.
Due in May
- Renew US-CAN Exchange of notes for GL IB cooperation.



Icebreaking – Restrictions - Closures

- 8-9 Jan – Restriction – Tug Reliance/PML 9000 beset lower Rock Cut.
Impact :1 vessel delayed
- 9-12 Jan – Closure – T/V ALGOSAR beset in lower St Clair River.
Impact: 18 vessels delayed
- 14-16 Jan – Restriction – T/V ALGOSAR beset in lower Rock Cut.
Impact: 4 vessels rerouted / 1 delayed



CGC MACKINAW and BISCAYNE BAY working together to free M/V ALGOSAR in the Rock Cut 16 Jan 2010



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CGC NEAH BAY, PENOBSCOT BAY (D1), BRISTOL BAY assisting M/V ALGOSAR (CA) in St. Clair River



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Questions?



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