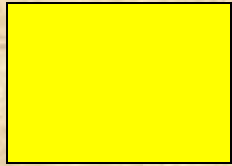


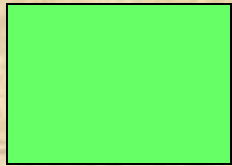
GLNPO-Supported Research Opportunities

2010

R/V Lake Guardian Schedule 2010



Lake Michigan – Special Emphasis Year



Lake Erie – or potentially available



U.S. EPA Summer Survey – all lakes

R/V Lake Guardian 2010

MAY

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|------------|--|--|--|--|--|------------|
| | | | | | | 1 In Port |
| 2 In Port | 3 Lake Michigan Contaminants Survey w/EC | 4 Lake Michigan Contaminants Survey w/EC | 5 Lake Michigan Contaminants Survey w/EC | 6 Lake Michigan Contaminants Survey w/EC | 7 Lake Michigan Contaminants Survey w/EC | 8 In Port |
| 9 In Port | 10 In Port | 11 In Port | 12 In Port | 13 In Port | 14 In Port | 15 In Port |
| 16 In Port | 17 In Port | 18 In Port | 19 In Port | 20 In Port | 21 In Port | 22 In Port |
| 23 In Port | 24 Lake Michigan CSMI Survey | 25 Lake Michigan CSMI Survey | 26 Lake Michigan CSMI Survey | 27 Lake Michigan CSMI Survey | 28 Lake Michigan CSMI Survey | 29 In Port |
| 30 In Port | 31 In Port | | | | | |

R/V Lake Guardian 2010

June

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|------------------------|------------------------------|------------------------------|------------------------------|--|------------------------------|------------------------------|
| | | 1 Transit to Lake Erie | 2 Transit to Lake Erie | 3 Lake Erie D.O. Survey Buffalo CG Station for equipment transfer to EC | 4 Lake Erie D.O. Survey | 5 Transit to Milwaukee |
| 6 Transit to Milwaukee | 7 In Port | 8 In Port | 9 In Port | 10 In Port | 11 In Port | 12 In Port |
| 13 In Port | 14 Lake Michigan CSMI Survey | 15 Lake Michigan CSMI Survey | 16 Lake Michigan CSMI Survey | 17 Lake Michigan CSMI Survey | 18 Lake Michigan CSMI Survey | 19 Lake Michigan CSMI Survey |
| 20 In Port | 21 Transit to Lake Erie | 22 Transit to Lake Erie | 23 Lake Erie D.O. Survey | 24 Transit to Milwaukee | 25 Transit to Milwaukee | 26 In Port |
| 27 In Port | 28 In Port | 29 In Port | 30 In Port | | | |
| | | | | | | |

R/V Lake Guardian 2010

July

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|---|---|---|---|---|---|
| | | | | 1 In Port | 2 In Port | 3 In Port |
| 4 In Port | 5 In Port | 6 COSEE Course-Lake Michigan | 7 COSEE Course-Lake Michigan | 8 COSEE Course-Lake Michigan | 9 COSEE Course-Lake Michigan | 10 COSEE Course-Lake Michigan |
| 11 COSEE Course-Lake Michigan | 12 COSEE Course-Lake Michigan | 13 Lake Michigan CSMI Survey | 14 Lake Michigan CSMI Survey | 15 Lake Michigan CSMI Survey | 16 Lake Michigan CSMI Survey | 17 Lake Michigan CSMI Survey |
| 18 Lake Michigan CSMI Survey | 19 Lake Michigan CSMI Survey | 20 Triaxus Tow- Nearshore Lake Michigan | 21 Triaxus Tow- Nearshore Lake Michigan | 22 Triaxus Tow- Nearshore Lake Michigan | 23 Triaxus Tow- Nearshore Lake Michigan | 24 Triaxus Tow- Nearshore Lake Michigan |
| 25 Triaxus Tow- Nearshore Lake Michigan | 26 Triaxus Tow- Nearshore Lake Michigan | 27 In Port | 28 In Port | 29 In Port | 30 Summer Survey Prep | 31 Summer Survey Prep |
| | | | | | | |

R/V Lake Guardian 2010

August

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---------------------------------|---------------------------------|---------------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|
| 1 Sample Lake Michigan | 2 Sample Lake Michigan | 3 Sample Lake Michigan | 4 Sample Lake Michigan | 5 Sample Lake Huron | 6 Sample Lake Huron | 7 Sample Lake Huron |
| 8 Sample Lake Huron | 9 Crew Change-Detroit | 10 Sample Lake Erie | 11 Sample Lake Erie | 12 Sample Lake Erie | 13 Transit Welland | 14 Sample Lake Ontario |
| 15 Sample Lake Ontario | 16 Sample Lake Ontario | 17 Transit Welland | 18 Transit to Lake Superior | 19 Transit to Lake Superior | 20 Transit to Lake Superior | 21 Crew Change-Sault Ste Marie |
| 22 Sample Lake Superior | 23 Sample Lake Superior | 24 Sample Lake Superior | 25 Sample Lake Superior | 26 Sample Lake Superior | 27 Sample Lake Superior | 28 In Port - Duluth |
| 29 Lake Superior Triaxus Tow | 30 Lake Superior Triaxus Tow | 31 Lake Superior Triaxus Tow | | | | |

R/V Lake Guardian 2010

September

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|---|---|--|--|---|---|
| | | | 1 Lake Superior Triaxus Tow | 2 Lake Superior Triaxus Tow | 3 Lake Superior Triaxus Tow | 4 In Port |
| 5 In Port | 6 In Port | 7 Transit to Lake Michigan | 8 Triaxus Tow-Nearshore Lake Michigan-ORD | 9 Triaxus Tow-Nearshore Lake Michigan-ORD | 10 Triaxus Tow-Nearshore Lake Michigan-ORD | 11 Triaxus Tow-Nearshore Lake Michigan-ORD |
| 12 Triaxus Tow-Nearshore Lake Michigan-ORD | 13 Triaxus Tow-Nearshore Lake Michigan-ORD | 14 Triaxus Tow-Nearshore Lake Michigan-ORD | 15 Transit to Milwaukee | 16 Lake Michigan CSMI Survey | 17 Lake Michigan CSMI Survey | 18 Lake Michigan CSMI Survey |
| 19 Lake Michigan CSMI Survey | 20 Lake Michigan CSMI Survey | 21 Lake Michigan CSMI Survey | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | | |
| | | | | | | |

Great Lakes Restoration Initiative

- \$ 475,000,000 for U.S. FY2010
- Approximately ½ to other Federal Agencies
- ***Urgency, Action, Accountability***
- *GLRI Action Plan for FY2010-FY2014*
- 5 Focus Areas
 - Toxic Substances & Areas of Concern
 - Invasive Species
 - Habitat and Wildlife Protection & Restoration
 - Nearshore Health & Nonpoint Source Pollution
 - Accountability, Education, Monitoring, Evaluation, Communication & Partnerships

Great Lakes Restoration Initiative

2010 GLRI *Interagency Funding Guide*

- > \$ 250,000,000

U.S. EPA *Request for Proposals*

- \$ 120,000,000

GLRI Request for Proposals

November 2009 – January 2010

| State | # Proposals Submitted | \$ Amount Requested |
|------------------------|------------------------------|----------------------------|
| IL | 101 | \$ 60,064,702 |
| IN | 62 | \$ 36,788,445 |
| MI | 346 | \$ 217,950,209 |
| MN | 60 | \$ 33,697,756 |
| NY | 111 | \$ 70,799,993 |
| OH | 114 | \$ 81,949,390 |
| PA | 15 | \$ 10,033,315 |
| WI | 190 | \$ 106,384,392 |
| Non-Great Lakes States | 40 | \$ 321,107,577 |
| Canada | 10 | \$ 3,865,221 |
| Total | 1049 | \$ 942,741,010 |

Great Lakes Restoration Initiative

- <http://greatlakesrestoration.us>
- <http://www.epa.gov/glnpo/>
 - Links to GLRI Action Plan, Funding Guide, Other related web pages
 - GreatLakesNews mailist