

POC: Doug Ricketts
 Large Lakes Observatory
 University of Minnesota
 10 University Drive
 Duluth, MN 55812
 Tel: 218-726-7826
 Fax: 218-726-6979
 Email: ricketts@d.umn.edu

LAST UPDATED: 2002/01/08 15:10 EST

R/V Blue_Heron 2001

CRUISE DATES	MAP INDEX/AREA/ PURPOSE	P.I./INSTITUTION/ PROPOSAL NO.	PORTS CRUISE ID	DAYS/AGENCY/ STATUS/ CLEARANCE
24 APR 29 APR	GL4/Western Superior/ Educational	Urban, N./MTU/ OCE-9712872	Duluth Duluth	6/NSF/F none
02 MAY 02 MAY	GL4/Western Superior/ Educational	Tornabene, L./UMN - Duluth/University	Duluth Duluth	.5/STATE/F none
05 MAY 12 MAY	GL4/Western Superior/ Physical Limnology	Ralph, E./UMN/ OCE-9712871	Duluth Duluth	8/NSF/F none
17 MAY 20 MAY	GL4/Western Superior/ Biological Limnology	Zhou, M./UMN/ Seagrant-NA16RG104	Duluth Duluth	4/NOAA/F none
29 MAY 02 JUN	GL4/Western Superior/ Biological Limnology	Sterner, R./UMN/ OCE-9819324	Duluth Duluth	5/NSF/F none
05 JUN 07 JUN	GL4/Western Superior/ Chemical Limnology	McManus, J./UMN/ LCMR	Duluth Duluth	3/STATE/F none
27 JUN 27 JUN	GL4/Western Superior/ Chemical Limnology	McManus, J./UMN/ University	Duluth Duluth	1/STATE/F none
03 JUL 03 JUL	GL4/Western Superior/ Educational	Wittkop, C./UMN - TC/University	Duluth Duluth	.5/STATE/F none
06 JUL 09 JUL	GL4/Western Superior/ Geological Limnology	Cartwright, J./ Cardiff-U.K./NERC	Duluth Duluth	4/Other/F none
10 JUL 19 JUL	GL4/Superior/ Geological Limnology	Johnson, T./UMN -/ Weinert - Universi	Duluth Duluth	10/STATE/F Canadian
24 JUL 31 JUL	GL4/Western Superior/ Biological Limnology	Sterner, R./UMN/ OCE-9819324	Duluth Duluth	8/NSF/F none
02 AUG 02 AUG	GL4/Western Superior/ Educational	Holst, T./UMN/ University	Duluth Duluth	.5/STATE/F none
06 AUG 06 AUG	GL4/Western Superior/ Geological Limnology	Brown, E./UMN/ Seagrant-NA16RG104	Duluth Duluth	.5/NOAA/F none
08 AUG 08 AUG	GL4/Western Superior/ Geological Limnology	Brown, E./UMN/ Seagrant-NA16RG104	Duluth Duluth	.5/NOAA/F none
21 AUG 24 AUG	GL4/Western Superior/ Biological Limnology	Zhou, M./UMN/ Seagrant-NA16RG104	Duluth Duluth	4/NOAA/F none

26 AUG	GL4/Western Superior/	May, B./UMN/	Duluth	3/STATE/F
28 AUG	Physical Limn.	University	Duluth	none
10 SEP	GL4/Western Superior/	McManus, J./UMN/	Duluth	3/STATE/F
12 SEP	Chemical Limnology	LCMR	Duluth	none
25 SEP	GL4/Western Superior/	Cotner, J./UMN/	Duluth	.5/STATE/F
25 SEP	Biological Limnology	University	Duluth	none
26 SEP	GL4/Western Superior/	Hrabik, T./UMN/	Duluth	.5/STATE/F
26 SEP	Biological Limnology	University	Duluth	none
27 SEP	GL4/Western Superior/	Parker, G./UMN/	Duluth	.5/STATE/F
27 SEP	Geological Limnology	University	Duluth	none
28 SEP	GL4/Western Superior/	Parker, G./UMN/	Duluth	.5/STATE/F
28 SEP	Geological Limnology	University	Duluth	none
01 OCT	GL4/Western Superior/	Branstrator, D./	Duluth	.5/STATE/F
01 OCT	Educational	UMN/University	Duluth	none
02 OCT	GL4/Western Superior/	Johnson, T./UMN/	Duluth	.5/STATE/F
02 OCT	Geological Limnology	University	Duluth	none
03 OCT	GL4/Western Superior/	May, B./UMN/	Duluth	.5/STATE/F
03 OCT	Educational	University	Duluth	none
04 OCT	GL4/Western Superior/	Branstrator, D./	Duluth	.5/STATE/F
04 OCT	Educational	UMN/University	Duluth	none
05 OCT	GL4/Western Superior/	Wattrus, N./UMN/	Duluth	.5/STATE/F
05 OCT	Educational	University	Duluth	none
16 NOV	GL4/Western Superior/	Johnson, T./UMD/	Duluth	0.5/STATE/F
16 NOV	Physical Limnology	University	Duluth	
14 DEC	GL4/Western Superior/	Johnson, T./UMD/	Duluth	0.5/STATE/F
14 DEC	Physical Limnology	University	Duluth	

Agency	Funded	Proposed	TOTAL
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NOAA	9.0	0.0	9.0
NSF	27.0	0.0	27.0
Other	4.0	0.0	4.0
STATE	27.0	0.0	27.0
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TOTAL	67.0	0.0	67.0