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R/V Blue\_Heron 2002 FINAL Schedule

CRUISE DATES	MAP INDEX/AREA/ PURPOSE	P.I./INSTITUTION/ PROPOSAL NO.	PORTS	DAYS/AGENCY/ STATUS/ CLEARANCE
15 JAN 15 JAN	GL4/Western Superior/ Physical Limnology	Johnson, T./UMN - Duluth/University	Duluth Duluth	.5/STATE/F
01 APR 01 APR	GL4/Western Superior/ Physical Limnology	Ralph, E./UMN - Duluth/University	Duluth Duluth	.5/STATE/F
29 APR 29 APR	GL4/Western Superior/ Educational	Beuning, K./UW-Eau Claire/University	Duluth Duluth	.5/STATE/F
30 APR 30 APR	GL4/Western Superior/ Educational	Cates, A./UMN - Duluth/University	Duluth Duluth	.5/STATE/F
03 MAY 03 MAY	GL4/Western Superior/ Educational	Gallup, C./UMN - Duluth/University	Duluth Duluth	.5/STATE/F
04 MAY 04 MAY	GL4/Western Superior/ Educational	Cotner, J./UMN - T win Cit/University	Duluth Duluth	.5/STATE/F
07 MAY 07 MAY	GL4/Western Superior/ Educational	DeWitte, R./UMN - Duluth/University	Duluth Duluth	.5/STATE/F
10 MAY 10 MAY	GL4/Western Superior/ Educational	Wolosz, C./UMN - Duluth/University	Duluth Duluth	.5/STATE/F
14 MAY 18 MAY	GL4/Western Superior/ Geological Limnology	Wattrus, N./UMN - Duluth/University	Duluth Duluth	5/STATE/F
04 JUN 05 JUN	GL4/Western Superior/ Physical Limnology	Ralph, E./ UMN - Duluth/LCMR	Duluth Duluth	2/STATE/F
07 JUN 10 JUN	GL4/Western Superior/ Geological Limnology	Wattrus, N./UMN - Duluth/University	Duluth Houghton	4/STATE/F
11 JUN 13 JUN	GL4/Superior/ Geological Limnology	Patterson, C./UMN - Twin /University	Houghton Duluth	3/STATE/F
20 JUN 23 JUN	GL4/Superior & Michigan/Transit	Transit/UW-Milwauk ee/OCE-0097639	Duluth Milwaukee	4/NSF/F
24 JUN 29 JUN	GL4/Superior & Michigan/REU	Cuhel, R./UW-Milwa ukee/OCE-0097639	Milwaukee Milwaukee	6/NSF/F
30 JUN 03 JUL	GL4/Superior & Michigan/Transit	Transit/UW-Milwauk ee/OCE-0097639	Milwaukee Duluth	4/NSF/F

10 JUL	GL4/Western Superior/	Cotner, J./UMN - T	Duluth	2/NOAA/F
11 JUL	Biological Limnology	win Citie/Seagrant	Duluth	
19 JUL	GL4/Superior/	Ralph, E./UMN -	Duluth	4/STATE/F
22 JUL	Physical Limnology	Duluth/University	Duluth	
24 JUL	GL4/Western Superior/	Wittkop, C./UMN -	Duluth	.5/STATE/F
24 JUL	Educational	Twin Ci/University	Duluth	
30 JUL	GL4/Western Superior/	May, B./UMN -	Duluth	.5/STATE/F
30 JUL	Physical Limnology	Dulut/Grant-in-Aid	Duluth	
01 AUG	GL4/Western Superior/	May, B./UMN -	Duluth	.5/STATE/F
01 AUG	Physical Limnology	Dulut/Grant-in-Aid	Duluth	
06 AUG	GL4/Western Superior/	Hicks, R./UMN -	Duluth	2/STATE/F
07 AUG	Biological Limnology	Duluth/University	Duluth	
13 AUG	GL4/Western Superior/	Brown, E./UMN -	Duluth	.5/NOAA/F
13 AUG	Geological Limnology	Duluth/Seagrant	Duluth	
14 AUG	GL4/Western Superior/	Brown, E./UMN -	Duluth	.5/NOAA/F
14 AUG	Geological Limnology	Duluth/Seagrant	Duluth	
15 AUG	GL4/Western Superior/	Brown, E./UMN -	Duluth	.5/NOAA/F
15 AUG	Geological Limnology	Duluth/Seagrant	Duluth	
19 AUG	GL4/Western Superior/	McNeill, K./UMN -	Duluth	.5/STATE/F
19 AUG	Chemical Limnology	Twin Ci/University	Duluth	
20 AUG	GL4/Western Superior/	Brown, E./UMN -	Duluth	.5/NOAA/F
20 AUG	Geological Limnology	Duluth/Seagrant	Duluth	
21 AUG	GL4/Western Superior/	Brown, E./UMN -	Duluth	.5/NOAA/F
21 AUG	Geological Limnology	Duluth/Seagrant	Duluth	
22 AUG	GL4/Western Superior/	Brown, E./UMN -	Duluth	.5/NOAA/F
22 AUG	Geological Limnology	Duluth/Seagrant	Duluth	
23 AUG	GL4/Western Superior/	Brown, E./UMN -	Duluth	.5/NOAA/F
23 AUG	Geological Limnology	Duluth/Seagrant	Duluth	
05 SEP	GL4/Western Superior/	Cotner, J./UMN - T	Duluth	.5/STATE/F
05 SEP	Biological Limnology	win Cit/University	Duluth	
10 SEP	GL4/Western Superior/	Sterner, R./UMN -	Duluth	5/NSF/F
14 SEP	Biological Limnology	Duluth/OCE-9819324	Duluth	
19 SEP	GL4/Western Superior/	Werne, J./UMN -	Duluth	.5/NOAA/F
19 SEP	Chemical Limnology	Duluth/Seagrant	Duluth	
21 SEP	GL4/Western Superior/	Brown, E./UMN -	Duluth	.5/NOAA/F
21 SEP	Educational	Duluth/Seagrant	Duluth	
24 SEP	GL4/Western Superior/	Hrabik, T./UMN -	Duluth	.5/STATE/F
24 SEP	Educational	Duluth/University	Duluth	
26 SEP	GL4/Western Superior/	Branstrator, D./UM	Duluth	.5/STATE/F
26 SEP	Educational	N - Dul/University	Duluth	
27 SEP	GL4/Western Superior/	Branstrator, D./UM	Duluth	.5/STATE/F

27 SEP	Educational	N - Dul/University	Duluth	
28 SEP	GL4/Western Superior/	Johnson, T./UMN -	Duluth	.5/NOAA/F
28 SEP	Educational	Duluth/Seagrant	Duluth	
30 SEP	GL4/Western Superior/	Ralph, E./UMN -	Duluth	.5/STATE/F
30 SEP	Physical Limnology	Duluth/University	Duluth	
07 OCT	GL4/Western Superior/	May, B./UMN -	Duluth	3/NSF/F
09 OCT	MRI- equipment testing	Duluth/OCE-0115810	Duluth	
22 OCT	GL4/Western Superior/	Cates, A/UMN -	Duluth	0.5/STATE/F
22 NOV	Educational	Duluth/University	Duluth	
23 OCT	GL4/Western Superior/	Branstrator, D./UM	Duluth	0.5/STATE/F
23 NOV	Educational	N - Dul/University	Duluth	
01 NOV	GL4/Western Superior/	Hicks, R./UMN -	Duluth	0.5/STATE/F
01 NOV	Biological Limnology	Duluth/University	Duluth	
06 NOV	GL4/Western Superior/	May, B./UMN -	Duluth	0.5/NSF/F
06 NOV	MRI- equipment testing	Duluth/OCE-0115810	Duluth	
19 NOV	GL4/Western Superior/	Lin, W./UMN -	Duluth	.5/STATE/F
19 NOV	Physical Limnology	Duluth/University	Duluth	
21 NOV	GL4/Western Superior/	Wattrus, N./UMN -	Duluth	2/STATE/F
22 NOV	Limnology	Duluth/University	Duluth	
02 DEC	GL4/Western Superior/	Lin, W./UMN -	Duluth	.5/STATE/F
02 DEC	Physical Limnology	Duluth/University	Duluth	
05 DEC	GL4/Western Superior/	Ralph, E./UMN -	Duluth	0.5/STATE/F
05 DEC	Physical Limnology	Duluth/University	Duluth	
11 DEC	GL4/Western Superior/	May, B./UMN -	Duluth	0.5/NSF/F
11 DEC	MRI- equipment testing	Duluth/OCE-0115810	Duluth	

Agency	Funded	Proposed	TOTAL
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NOAA	7.0	0.0	7.0
NSF	23.0	0.0	23.0
STATE	33.5	0.0	33.5
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TOTAL	63.5	0.0	63.5