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R/V Blue_Heron 2000

CRUISE DATES	MAP INDEX/AREA/ PURPOSE	P.I./INSTITUTION/ PROPOSAL NO.	PORTS CRUISE ID	DAYS/AGENCY/ STATUS/ CLEARANCE
29 MAR 01 APR	GL4/Keweenaw/ Physical Limn.	E. Ralph/UMN/ Kites-OCE-9712871	Duluth Duluth	4/NSF/F none
04 MAY 07 MAY	GL4/Western Superior/ Moorings	J. McManus/UMN/ LCMR	Duluth Duluth	4/STATE/F none
10 MAY 10 MAY	GL4/Western Superior/ Physical Limn.	D. Hajicek/ Discovery/PF	Duluth Duluth	.5/PRV/F none
22 MAY 27 MAY	GL4/Keweenaw/ Physical Limn.	E. Ralph/UMN/ Kites-OCE-9712871	Duluth Duluth	6/NSF/F none
05 JUN 08 JUN	GL4/Western Superior/ Biological Limn.	Sterner/Brown/UMN/ OCE-9819324	Duluth Ontonagon	4/NSF/F none
09 JUN 12 JUN	GL4/Keweenaw/ Physical Limn.	E. Ralph/UMN/ Kites-OCE-9712871	Ontonagon Duluth	4/NSF/F none
21 JUN 21 JUN	GL4/Western Superior/ Educational	C. Gallup/UMN/ University	Duluth Duluth	.5/STATE/F none
25 JUN 25 JUN	GL4/Western Superior/ Geol. Limnology	J. Cartwright/UMN/ University	Duluth Duluth	1/Other/F none
26 JUN 30 JUN	GL4/Western Superior/ Geological Limn.	E. Brown/UMN/ NA86RG0033-6080	Duluth Duluth	5/NOAA/F none
06 JUL 11 JUL	GL4/Keweenaw/ Physical Limn.	E. Ralph/UMN/ Kites-OCE-9712871	Duluth Duluth	6/NSF/F none
13 JUL 13 JUL	GL4/Keweenaw/ Educational	D. Schnurrenberger/ UMN/University	Duluth Duluth	.5/STATE/F none
15 JUL 17 JUL	GL4/Western Superior/ Chemical Limn.	J. McManus/UMN/ LCMR	Duluth Duluth	3/STATE/F none
18 JUL 21 JUL	GL4/Western Superior/ Biological Limn.	Sterner/Brown/UMN/ OCE-9819324	Duluth Duluth	4/NSF/F none
29 JUL 05 AUG	GL4/Keweenaw/ Physical Limn.	E. Ralph/UMN/ Kites-OCE-9712871	Duluth Duluth	8/NSF/F none
11 AUG 19 AUG	GL4/Western Superior/ Geological Limn.	E. Brown/UMN/ Kites-OCE-9712871	Duluth Duluth	9/NSF/F none

22 AUG	GL4/Western Superior/	J. Cotner/UMN/	Duluth	.5/STATE/F
22 AUG	Biological Limnology	University	Duluth	none
26 AUG	GL4/Western Superior/	T. Johnson/UMN/	Duluth	.5/STATE/F
26 AUG	Educational	University	Duluth	none
29 AUG	GL4/Western Superior/	C. Goodwin/UMN/	Duluth	.5/STATE/F
29 AUG	Educational	University	Duluth	none
11 SEP	GL4/Western Superior/	J. McManus/UMN/	Duluth	4/STATE/F
14 SEP	Moorings	LCMR	Duluth	none
17 SEP	GL4/Western Superior/	Sterner/Brown/UMN/	Duluth	4/NSF/F
20 SEP	Biological Limnology	OCE-9819324	Duluth	none
22 SEP	GL4/Western Superior/	J. Cotner/UMN/	Duluth	.5/STATE/F
22 SEP	Biological Limnology	University	Duluth	none
30 SEP	GL4/Western Superior/	M. Zhou/UMN/	Duluth	4/STATE/F
03 OCT	Biological Limnology	University	Duluth	none
05 OCT	GL4/Western Superior/	L. Shannon/UMN/	Duluth	1/STATE/F
06 OCT	Educational	University funds	Duluth	none
10 OCT	GL4/Western Superior/	T. Johnson/UMN/	Duluth	.5/STATE/F
10 OCT	Geol. Limnology	University funds	Duluth	none
11 OCT	GL4/Western Superior/	Bell Live/UMN/	Duluth	2/NSF/F
12 OCT	Educational	Educational	Duluth	none
16 OCT	GL4/Keweenaw/	E. Ralph/UMN/	Duluth	8/NSF/F
23 OCT	Physical Limn.	Kites-OCE-9712871	Duluth	none
06 DEC	GL4/Keweenaw/	E. Ralph/UMN/	Duluth	2/NSF/F
07 DEC	Physical Limnology	OCE 9712871	Duluth	none
08 DEC	GL4/Keweenaw/	E. Ralph/UMN/	Duluth	1/STATE/F
08 DEC	Physical Limnology	University	Duluth	none

Agency	Funded	Proposed	TOTAL
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NOAA	5.0	0.0	5.0
NSF	61.0	0.0	61.0
Other	1.0	0.0	1.0
PRIVATE	0.5	0.0	0.5
STATE	20.5	0.0	20.5
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TOTAL	88.0	0.0	88.0