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FINAL SHIP OPERATING SCHEDULE FOR 2001
R/V BLUE HERON

Cruise Dates	Map Index/ Area/ Purpose	P.I./Institution/ Proposal	Ports	Days/Agency/ Status/Clearance
24 Apr 29 Apr	GL4/ Keweenaw/ Geological Limn.	N. Urban/ MTU/ Kites –OCE 9712872	Duluth Duluth	6/ NSF/ F none
02 May 02 May	GL4/ W. Sup./ Educational	L. Tornabene/ UMN/ University	Duluth Duluth	0.5/ State/ F none
05 May 12 May	GL4/ Keweenaw/ Physical Limn.	E. Ralph/ UMN/ Kites –OCE 9712871	Duluth Duluth	8/ NSF/ F none
17 May 20 May	GL4/ W. Sup./ Biological Limn.	M. Zhou/ UMN/ Sea- grant-NA16RG1046	Duluth Duluth	4/NOAA/ F none
29 May 02 Jun	GL4/ W. Sup./ Biological Limn.	R. Sterner/ UMN/ OCE 9819324	Duluth Duluth	5/ NSF/ F none
05 Jun 07 Jun	GL4/ W. Sup./ Chemical Limn.	J. McManus/ UMN/ LCMR	Duluth Duluth	3/ State/ F none
27 Jun 27 Jun	GL4/ W. Sup./ Chemical Limn.	J. McManus/ UMN/ LCMR	Duluth Duluth	1/ State/ F none
03 Jul 03 Jul	GL4/ W. Sup./ Educational	C. Whitkop/ UMN/ University	Duluth Duluth	0.5/ State/ F none
06 Jul 09 Jul	GL4/ W. Sup./ Geological Limn.	J. Cartwright/ Cardiff/ Cardiff	Duluth Houghton	4/ Foreign/ F none
10 Jul 19 Jul	GL4/Superior/ Limnology	Johnson/ UMN/ Weinert Foundation	Houghton Duluth	10/ Private/ F Canadian
24 Jul 31 Jul	GL4/ W. Sup./ Biological Limn.	R. Sterner/ UMN/ OCE 9819324	Duluth Duluth	8/ NSF/ F none

02 Aug 02 Aug	GL4/ W. Sup./ Educational	T. Holtz/ UMN/ University	Duluth Duluth	0.5/ State/ F none
06 Aug 06 Aug	GL4/ W. Sup./ Geological Limn.	E. Brown/ UMN/Sea- grant-NA16RG1046	Duluth Duluth	0.5/NOAA/F none
08 Aug 08 Aug	GL4/ W. Sup./ Geological Limn.	E. Brown/ UMN/Sea- grant-NA16RG1046	Duluth Duluth	0.5/NOAA/F none
21 Aug 24 Aug	GL4/ W. Sup./ Biological Limn.	M. Zhou/ UMN/Sea- grant-NA16RG1046	Duluth Duluth	4/ NOAA/ F none
26 Aug 28 Aug	GL4/W. Sup./ Physical Limn.	B. May/ UMN/ Grant-in-Aid	Duluth Duluth	3/ State/ F none
10 Sep 12 Sep	GL4/ W. Sup./ Chemical Limn.	J. McManus/ UMN/ LCMR	Duluth Duluth	3/ State/ F none
25 Sep 25 Sep	GL4/ W. Sup./ Biological Limn	J. Cotner/ UMN/ University	Duluth Duluth	0.5/ State/ F none
26 Sep 26 Sep	GL4/ W. Sup./ Educational	T. Hrabik/ UMN/ University	Duluth Duluth	0.5/ State/ F none
27 Sep 27 Sep	GL4/ W. Sup./ Geological Limn.	G. Parker/ UMN/ University	Duluth Duluth	0.5/ State/ F none
28 Sep 28 Sep	GL4/ W. Sup./ Geological Limn.	G. Parker/ UMN/ University	Duluth Duluth	0.5/ State/ F none
01 Oct 01 Oct	GL4/ W. Sup./ Educational	D. Branstrator/ UMN/ University	Duluth Duluth	0.5/ State/ F none
02 Oct 02 Oct	GL4/ W. Sup./ Geological Limn.	T. Johnson/ UMN/ University	Duluth Duluth	0.5/ State/ F none
03 Oct 03 Oct	GL4/ W. Sup./ Educational	B. May/ UMN/ University	Duluth Duluth	0.5/ State/ F none
04 Oct 04 Oct	GL4/ W. Sup./ Educational	D. Branstrator/ UMN/ University	Duluth Duluth	0.5/ State/ F none
05 Oct 05 Oct	GL4/ W. Sup./ Educational	N. Watrus/ UMN/ University	Duluth Duluth	0.5/ State/ F none
16 Nov 16 Nov	GL4/ W. Sup./ Limnology	T. Johnson/ UMN/ University	Duluth Duluth	0.5/ State/ F none

14 Dec	GL4/ W. Sup./	T. Johnson/ UMN/	Duluth	0.5/ State/ F
14 Dec	Limnology	University	Duluth	none

SUMMARY

Agency	Funded	Proposed	Total
NSF	27		27
NOAA	9		9
State	17		17
Foreign	4		4
Private	10		10
Total	67		67