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**FINAL SHIP OPERATING SCHEDULE FOR 2000**  
**R/V BLUE HERON**

<b>Cruise Dates</b>	<b>Map Index/ Area/ Purpose</b>	<b>P.I./Institution/ Proposal</b>	<b>Ports</b>	<b>Days/Agency/ Status/Clearance</b>
29 Mar	GL4/Keweenaw/	E. Ralph/ UMN/	Duluth	4/ NSF/ F
01 Apr	Physical Limn.	Kites - OCE 9712871	Duluth	none
04 May	GL4/ W. Sup./	J. Mcmanus/ UMN/	Duluth	4/ State/ F
07 May	Chemical Limn.	LCMR	Duluth	none
10 May	GL4/ W. Sup./	D. Hajcek/	Duluth	0.5/ Private/ F
10 May	Educational	Discovery/ PF	Duluth	none
22 May	GL4/Keweenaw/	E. Ralph/ UMN/	Duluth	6/ NSF/ F
27 May	Physical Limn.	Kites - OCE 9712871	Duluth	none
05 Jun	GL4/ W. Sup./	R. Sterner/ UMN/	Duluth	4/ NSF/ F
08 Jun	Biological Limn.	OCE 9819324	Ontonagon	none
09 Jun	GL4/Keweenaw/	E. Ralph/ UMN/	Ontonagon	4/ NSF/ F
12 Jun	Physical Limn.	Kites - OCE 9712871	Duluth	none
21 Jun	GL4/ W. Sup./	C. Gallup/ UMN/	Duluth	0.5/ State/ F
21 Jun	Educational	University	Duluth	none
25 Jun	GL4/ W. Sup./	J. Cartwright/ Cardiff	Duluth	1/ Foreign/ F
25 Jun	Geological Limn.	University/ NERC	Duluth	none
26 Jun	GL4/ W. Sup./	E. Brown/ UMN/	Duluth	5/ NOAA/ F
30 Jun	Geological Limn.	NA86RG0033-6080	Duluth	none
06 Jul	GL4/Keweenaw/	E. Ralph/ UMN/	Duluth	6/ NSF/ F
11 Jul	Physical Limn.	Kites - OCE 9712871	Duluth	none
13 Jul	GL4/ W. Sup./	D. Schnurrenberger/	Duluth	0.5/ State/ F
13 Jul	Educational	UMN/ University	Duluth	none

15 Jul	GL4/ W. Sup./	J. Mcmanus/ UMN/	Duluth	3/ State/ F
17 Jul	Chemical Limn.	LCMR	Two Harbors	none
18 Jul	GL4/ W. Sup./	R. Sterner/ UMN/	Two Harbors	4/ NSF/ F
21 Jul	Biological Limn.	OCE 9819324	Duluth	none
29 Jul	GL4/Keweenaw/	E. Ralph/ UMN/	Duluth	8/ NSF/ F
05 Aug	Physical Limn.	Kites - OCE 9712871	Duluth	none
11 Aug	GL4/Keweenaw/	E. Brown/ UMN/	Duluth	9/ NSF/ F
19 Aug	Geological Limn.	Kites - OCE 9712871	Duluth	none
22 Aug	GL4/ W. Sup./	J. Cotner/ UMN/	Duluth	0.5/ State/ F
22 Aug	Biological Limn	University	Duluth	none
26 Aug	GL4/ W. Sup./	T. Johnson/ UMN/	Duluth	0.5/ State/ F
26 Aug	Educational	University	Duluth	none
29 Aug	GL4/ W. Sup./	T. Johnson/ UMN/	Duluth	0.5/ State/ F
29 Aug	Educational	University	Duluth	none
11 Sep	GL4/ W. Sup./	J. Mcmanus/ UMN/	Duluth	4/ State/ F
14 Sep	Chemical Limn.	LCMR	Duluth	none
17 Sep	GL4/ W. Sup./	R. Sterner/ UMN/	Duluth	4/ NSF/ F
20 Sep	Biological Limn.	OCE 9819324	Duluth	none
22 Sep	GL4/ W. Sup./	J. Cotner/ UMN/	Duluth	0.5/ State/ F
22 Sep	Biological Limn	University	Duluth	none
30 Sep	GL4/ W. Sup./	M. Zhou/ UMN/	Duluth	4/ State &
03 Oct	Biological Limn	Univ. & Sea Grant	Duluth	NOAA/ F /none
05 Oct	GL4/ W. Sup./	L. Shannon/ UMN/	Duluth	1/ State/ F
06 Oct	Educational	University	Duluth	none
10 Oct	GL4/ W. Sup./	T. Johnson/ UMN/	Duluth	0.5/ State/ F
10 Oct	Educational	University	Duluth	none
11 Oct	GL4/ W. Sup./	Bell Live/ UMN/	Duluth	2/ NSF/ F
12 Oct	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/W. Sup./	E. Ralph/ UMN/OCE	Duluth	2/ NSF/ F
07 Dec	Physical Limn.	9712871	Duluth	none
08 Dec	GL4/W. Sup./	E. Ralph/ UMN/	Duluth	1/ State/ F
08 Dec	Physical Limn.	University	Duluth	none

### SUMMARY

Agency	Funded	Proposed	Total
NSF	61		61
NOAA	5		5
State	20.5		20.5
Foreign	1		1
Private	0.5		0.5
<b>Total</b>	<b>88</b>		<b>88</b>