

APPENDIX XVI

DSOG Equipment Upgrade Proposal

1997-1999 Upgrade Plans Deep Submergence

DESSC Upgrade Priority List

- Datalogger/video upgrades
- Additional foam
- ALVIN power management
- Wiring for 3rd battery
- Slurp pumps
- Dual head scanning sonar
- Laser ring gyro
- Imaging infrastructure
- 35mm in-hull cameras and auto strobes
- Pencil cameras
- Homer probes



1997-1999 Upgrade Plans Deep Submergence

Additional Upgrade Priorities

- VB System- planned '97-'98 engineering proposal
- Navigation
- Digital imaging for ALVIN/Jason/ARGO
- Remote data and temperature logging via inductive coupling
- ALVIN thermistor probes

1997-1999 Upgrade Plans Deep Submergence

1997-1999 WHOI-DSG Upgrade Proposal In Priority Order Based on DESSC/Community Input

Category	Equipment/ Hardware	Personnel w/OH	Total
Datalogger	\$36,000	\$69,700	\$105,700
Video	\$64,000	\$22,000	\$86,000
Alvin Floatation	\$32,000	\$5,000	\$37,000
Jason Floatation	\$7,500	\$2,000	\$9,500
Alvin Power Mgmt. & Virtual Alvin *	\$38,000		\$38,000
Slurp Pumps	\$5,000	\$5,300	\$10,300
Scanning Sonar (1)	\$34,000	\$12,000	\$46,000
Ring Laser Gyro (1)	\$31,000	\$20,600	\$51,600
In-Hull Digital Cams.	\$4,500	\$1,200	\$5,700
Jason Wt. Dropper	\$4,300	\$6,800	\$11,100
Inductive Couple Link T probes & RS-232 link	\$37,000	\$6,500	\$43,500
4- 'Majors' Hot Water Samplers *	\$24,000		\$24,000
Majors Bottles & T-Handle Improve.	\$6,500	\$3,100	\$9,600
Totals	\$323,800	\$154,200	\$478,000
WHOI Cost-Share			\$25,000
Total to be Requested from funding agencies			\$453,000

* = outside vendor

NB - Jason "Smart"
Elevator Upgrade \$29,000 - funded by WHOI
internal award