

APPENDIX X

Gametogenic Ecology of a Hydrothermal Vent Community

- Spatial analysis of reproductive activity within field--tests whether reproduction vent species is continuous.
- If not continuous -- test whether synchrony is controlled by tidal cycles
- Second set of samples collected 1 month later permits a time-series approach.

Sea Cliff/ATV Operations

Highlights

- ATV Sampling of biota
- ATV Sampling of black smokers
- ATV temperature measurements
- ATV small package deployment and recovery
- Sea Beam survey on arrival
- 24 hour operations maximize bottom time
- Launch and recovery in sea state 4
- Professional, competent, courteous crew
- (*~24 members of combined Sea Cliff and ATV crew*)