

LWRC Research Survey Details, 2003

Survey 1 (May 27 to June 24)

- 61 of the 65 regular stations were sampled along with 13 additional stations
- Four days were lost to weather, two days to mechanical problems, and one day (6 hours) was spent searching for a victim of an overturned fishing boat. One crew member from the fishing vessel was recovered alive and returned to Berens River.
- The survey track covered 1369 nautical miles.

Survey 2 (July 22 to August 19)

- No days were lost to weather.
- This survey covered 759? nautical miles.
- All 65 regular stations were sampled as well as 17 additional stations.
- Profiles (top to bottom measurements) were taken at 8 stations.

Survey 3 (September 16 to October 14)

- Covered xxx nautical miles.
- One day was lost to weather.
- Sixty-one of the regular stations were sampled along with 2 additional stations.

Sampling over the three surveys included:

- 671 water samples
- 384 profiles
- 199 plankton hauls
- 174 sediment samples
- 95 plankton tows off the stern
- 199 fish trawls

Costs to the LWRC for the three cruises totaled \$372K

- \$68K for operations and maintenance,
- \$280K for Coast Guard personnel
- \$29K for fuel

Installation of a small (13 cubic m) air-conditioned laboratory space allowed analysis to take place while the vessel was operational. Complex chemical and biological measurements can now be made by science crew throughout the cruise.