

GSC Open File 3037

PHOTO ALBUM LAKE SIMCOE SURVEY, 1992-93

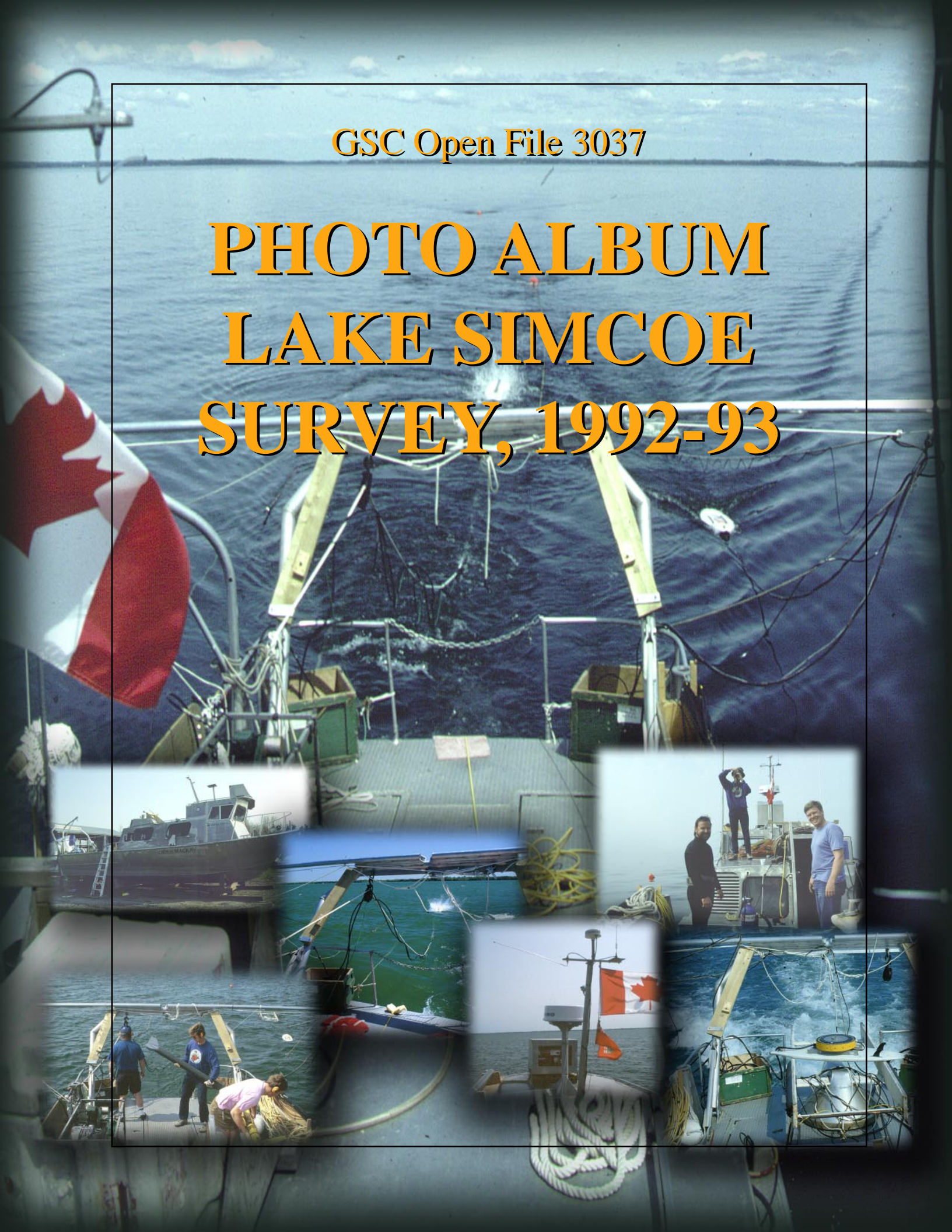


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PHOTO ALBUM (Part A)
LAKE SIMCOE SURVEY, 1992-1993

PACKING AND PREPARATION





1. MV *J. Ross Mackay* undergoing refit, Hurst Marina, Rideau Canal near Ottawa.



2. Twin outboards undergoing servicing, Hurst Marina.



3. Ship being outfitted, Spring, 1993, Hurst Marina.



4. Steve Grant outfitting the ship, Spring, 1993, Hurst Marina.

PHOTO ALBUM (Part B)
LAKE SIMCOE SURVEY, 1992-1993

IN TRANSIT TO LAKE SIMCOE





1. Bernie Peltier visiting the ship, Rideau Canal, 1992.



2. Robert Burns and Marten Douma standing by the lines in a lock on the Rideau Canal, 1992.



3. The ship in a lock on the Rideau Canal, 1992. The upturned Seistec receiver cone is in the foreground, straddling the Seistec boomer mounted on a surfboard.



4. Brian Todd assisting in a lock on the Rideau Canal, 1992.

5. A quiet summer afternoon on the Rideau Canal, 1992.





6. Marten Douma after taking an unintended swim in the Rideau Canal, 1992.



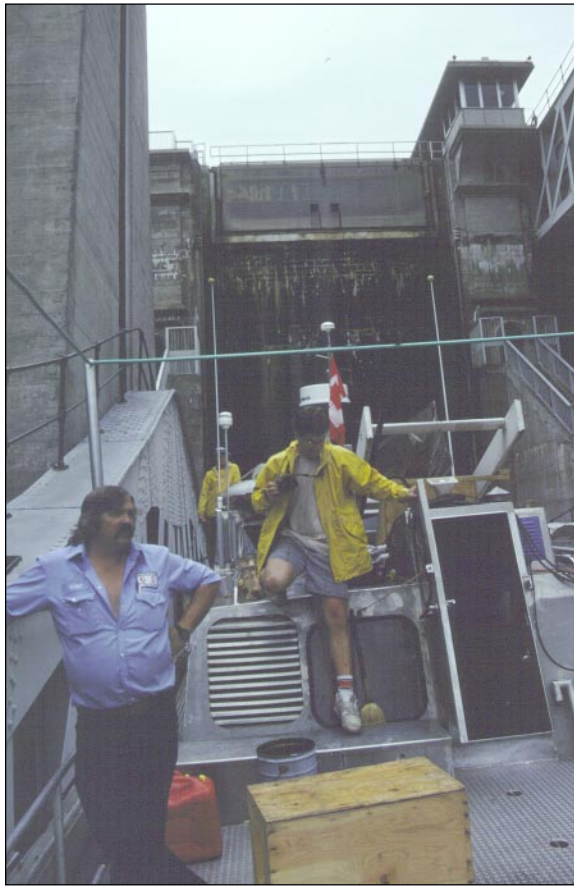
7. The ship in the Rideau Canal, 1992.



8. Late afternoon
under the awning,
Rideau Canal,
1992.

9. Underway
on the Rideau
Canal, 1992.





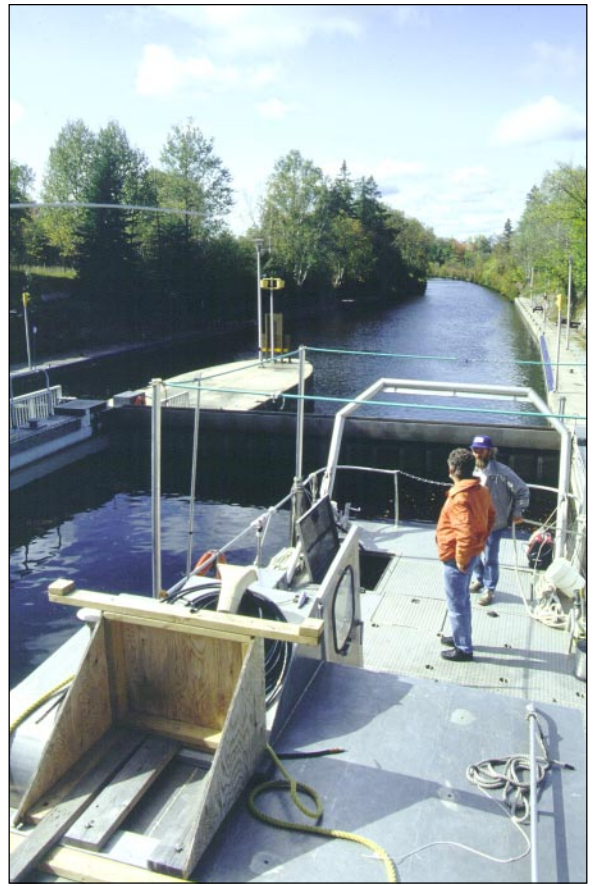
10. In the Peterborough Lift Lock, Trent-Severn Waterway, 1992.

11. At the top of the Peterborough Lift Lock, Trent-Severn Waterway, 1992.





12. Underway in the Trent-Severn Waterway, 1992.



13. Jim Hunter and Robert Burns, Trent-Severn Waterway, 1992.



14. Jim Hunter and Robert Burns, Trent-Severn Waterway, 1992.

15. Robert
Burns acting as
lockmaster,
Trent-Severn
Waterway, 1992.



PHOTO ALBUM (Part C)
LAKE SIMCOE SURVEY, 1992-1993

BIG BAY POINT MARINA



1. MV *J. Ross Mackay* at Big Bay Point Marina, Lake Simcoe.



2. MV *J. Ross Mackay* at Big Bay Point Marina, Lake Simcoe. The IKB Seistec receiver is secured over the stern for travel to the start of the survey line.



3. Ron Good
loading gasoline
for the generator.

4. Paul White,
Robert Burns
and Marten
Douma repairing
sidescan sonar
cable and
towfish on the
dock at Big Bay
Point Marina.





5. Michael,
Phoebe and
Aidan Todd in
the wheelhouse
of the MV *J.
Ross Mackay*.

6. Phoebe Todd in
the wheelhouse of
the MV *J. Ross
Mackay*.





7. The crew of the MV *J. Ross Mackay* (from left to right): Ron Good, Brian Todd, Robert Burns, Marten Douma and Paul White.

8. The crew of the MV *J. Ross Mackay* (from left to right): Ron Good, Brian Todd, Robert Burns, Marten Douma and Paul White.



9. MV *J. Ross Mackay* at the Big Bay Point Marina, Lake Simcoe.



10. MV *J. Ross Mackay* at the Big Bay Point Marina, Lake Simcoe, with Ron Good on deck.



11. MV *J. Ross Mackay* at the Big Bay Point Marina, Lake Simcoe, with Ron Good on deck.

12. MV *J. Ross Mackay* at the Big Bay Point Marina, Lake Simcoe, with Paul White adjusting the generator above the wheelhouse.



13. MV *J. Ross Mackay* at the Big Bay Point Marina, Lake Simcoe.



14. MV *J. Ross Mackay* at the Big Bay Point Marina, Lake Simcoe.

15. MV *J. Ross Mackay* at the Big Bay Point Marina, Lake Simcoe, 1992. Marten Douma is on deck.



16. Jim Hunter on the bridge of the ship, 1992.

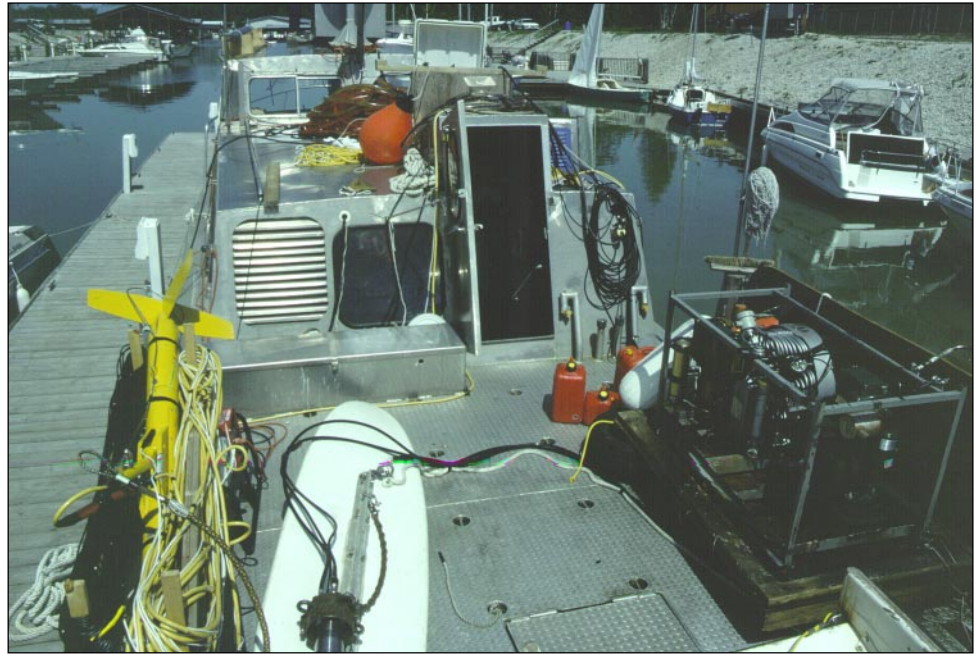


17. Brian Todd and Paul White servicing generator, Big Bay Point Marina, June, 1993.

18. Bridge, MV *J. Ross Mackay*.



19. The MV *J. Ross Mackay* at Big Bay Point Marina, Lake Simcoe, May, 1993.



20. The MV *J. Ross Mackay* at Big Bay Point Marina, Lake Simcoe, May, 1993. The Seistec system is in the water for testing. The booms are extended off the A-frame for outfitting.



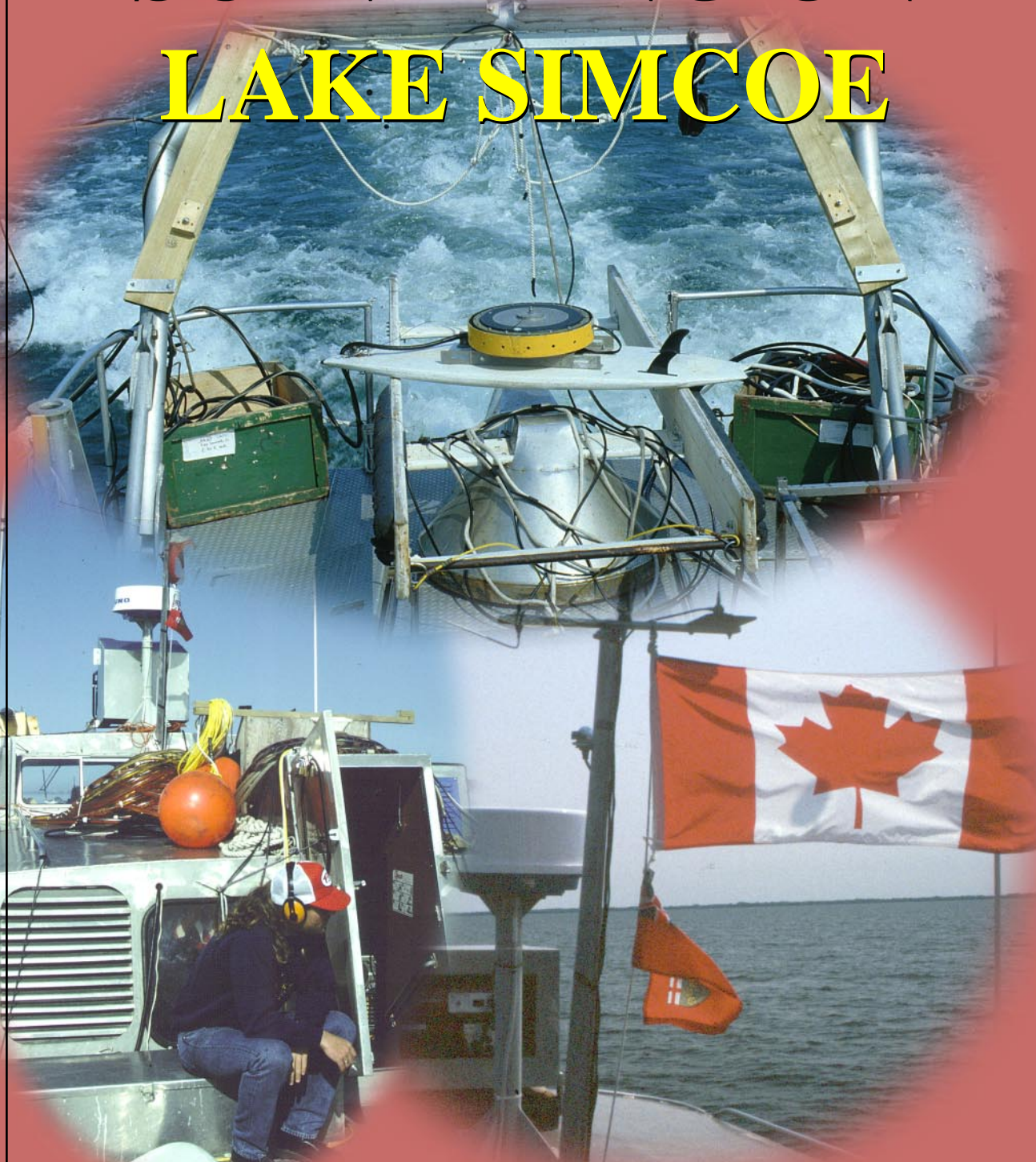
21. MV *J. Ross Mackay*, Big Bay Point Marina, Lake Simcoe, 1993.



22. MV *J. Ross Mackay*, Big Bay Point Marina, Lake Simcoe, 1993.

PHOTO ALBUM (Part D)
LAKE SIMCOE SURVEY, 1992-1993

SURVEYING ON LAKE SIMCOE





1. View aft of the ship showing the instrument towing arrangement. In the centre of the image is the surfboard under which the airgun multichannel seismic source is slung. On the right is the IKB Seistec receiver (aft) and the surfboard (forward) under which the Seistec boomer source is slung.

2. Sunny day surveying on Lake Simcoe. Note that the IKB Seistec surfboard (far right) has been adjusted to tow below the water surface. This configuration reduced the amount of noise on the records.





3. Surveying on Lake Simcoe.

4. Survey tow arrangement.
Note IKB
Seistec boomer
surboard (lower
right) below
water surface.





5. Insects on a warm day in Lake Simcoe. So many insects died on the hot aluminum deck that we had to sweep piles of them off into the water once we returned to the dock.



6. The MV *J. Ross Mackay* surveying on Lake Simcoe.

7. The MV
J. Ross Mackay
surveying on
Lake Simcoe.
Marten Douma is
on deck.



8. The MV
J. Ross Mackay
surveying on
Lake Simcoe.
Marten Douma
is on deck to the
left and to the
right is Paul
White.

9. The MV
J. Ross Mackay
surveying on
Lake Simcoe.
Marten Douma
is on deck to the
left and to the
right is Paul
White.



10. The MV
J. Ross Mackay
surveying on
Lake Simcoe.
Marten Douma is
on deck to the
left and to the
right is Paul
White.



11. The MV
J. Ross Mackay
surveying on
Lake Simcoe.
Marten Douma
is at the stern.

12. The MV
J. Ross Mackay
surveying on
Lake Simcoe.
Marten Douma is
at the stern.





13. Adjusting the survey towing configuration while underway. From left to right are Robert Burns, Marten Douma, Paul White and Brian Todd.

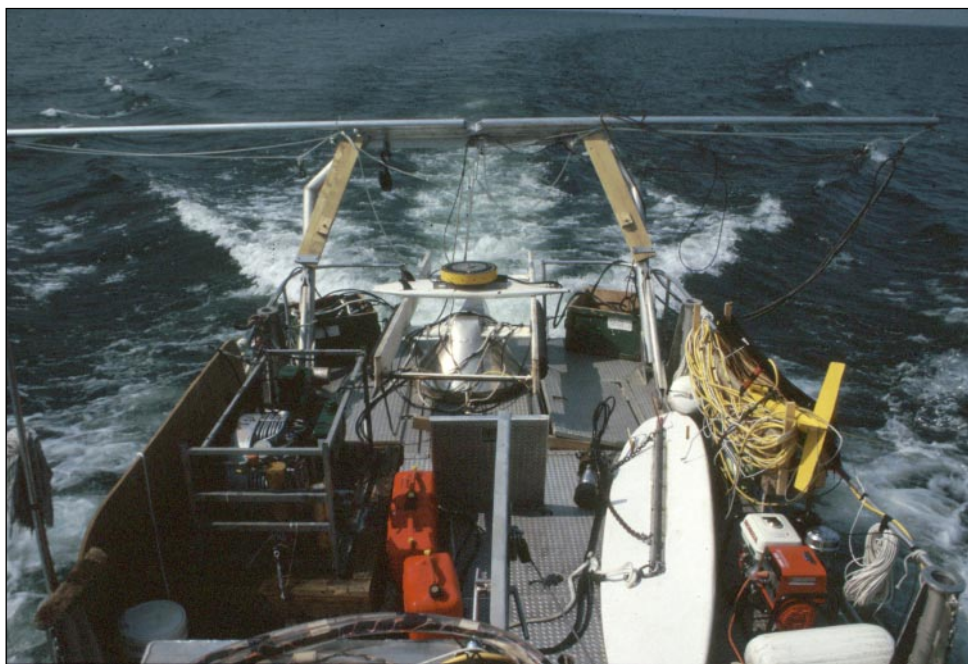
14. Adjusting the survey towing configuration while underway. From left to right are Robert Burns, Marten Douma, Paul White and Brian Todd.



15. Adjusting the survey towing configuration while underway. From left to right are Marten Douma, Paul White and Brian Todd.

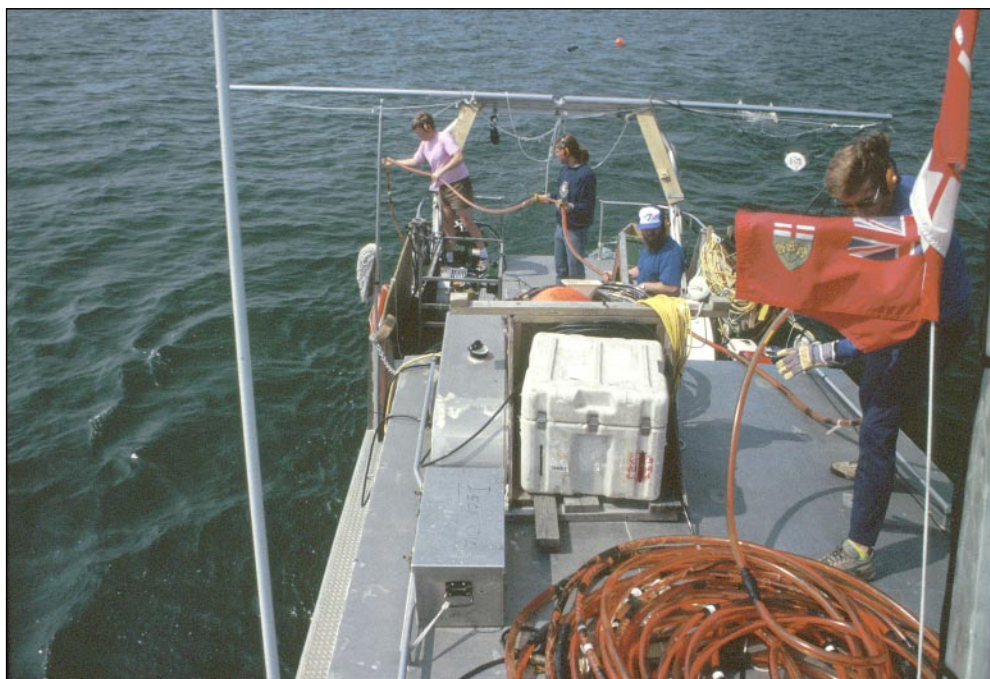


16. Adjusting the survey towing configuration while underway. From left to right are Marten Douma, Brian Todd, Paul White and Robert Burns.



17. Heading back to harbour after a day of surveying. All equipment secured on deck.

18. Paying out the oil-filled seismic eel over the starboard stern. From left to right are Marten Douma, Paul White, Robert Burns and Brian Todd.





19. Paying out the oil-filled seismic eel over the starboard stern. From left to right are Marten Douma, Paul White, Robert Burns and Brian Todd.

20. Launching the magnetometer towfish (dark grey) and sidescan sonar towfish (yellow). From left to right are Robert Burns, Brian Todd, Marten Douma and Paul White. The beginning and end of the seismic eel are denoted by the orange floats in the distance.





21. Underway in
Lake Simcoe.

22. Towing
survey instru-
ments.



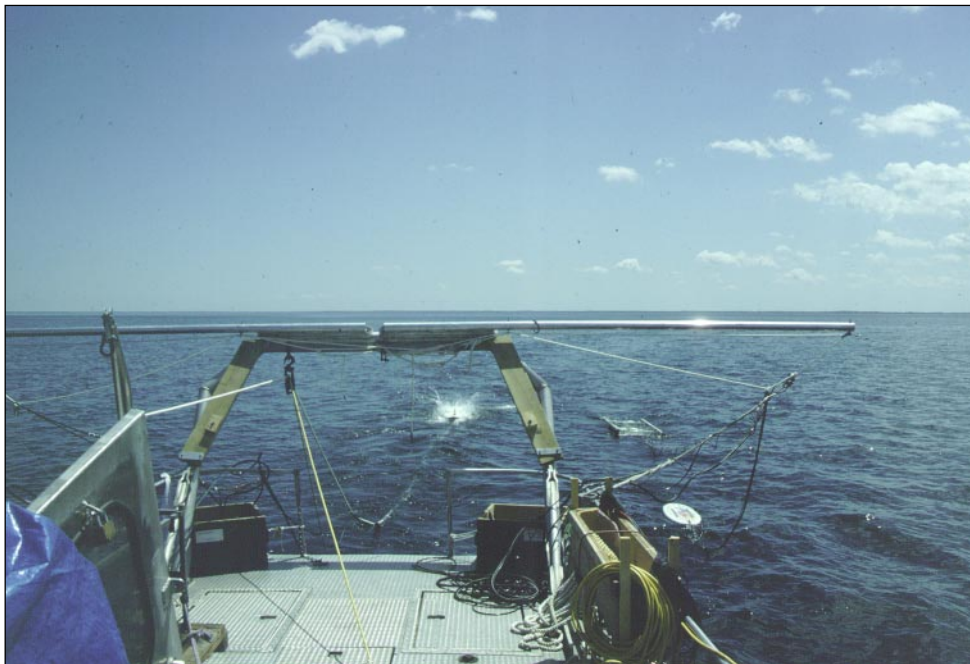


23. Towing survey instruments. The beginning and end of the seismic eel are denoted by the orange floats in the distance. Note seismic boomer surfboard towing beneath the water surface on the lower right.

24. Deck configuration of the MV *J. Ross Mackay* while towing survey instruments. Hatches to the diesel engines are open to allow heat to escape. Door to the laboratory is closed due to the high noise level on deck.



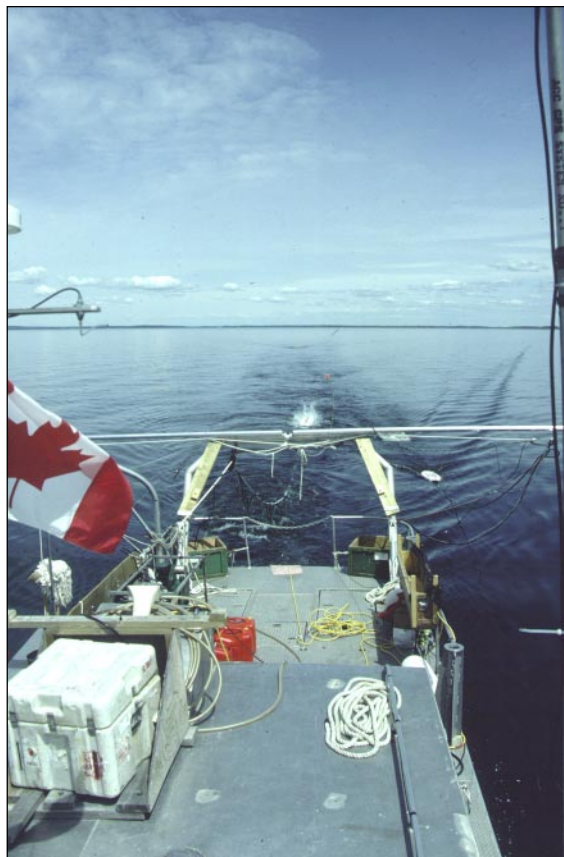
25. Heading back to harbour after a day of surveying. All equipment secured on deck.



26. Geophysical survey underway on Lake Simcoe, June, 1993. Seistec surfboard and boomer are on the right, trailed by the Seistec receiver catamaran. The sleeve gun surfboard is in the centre of the image.

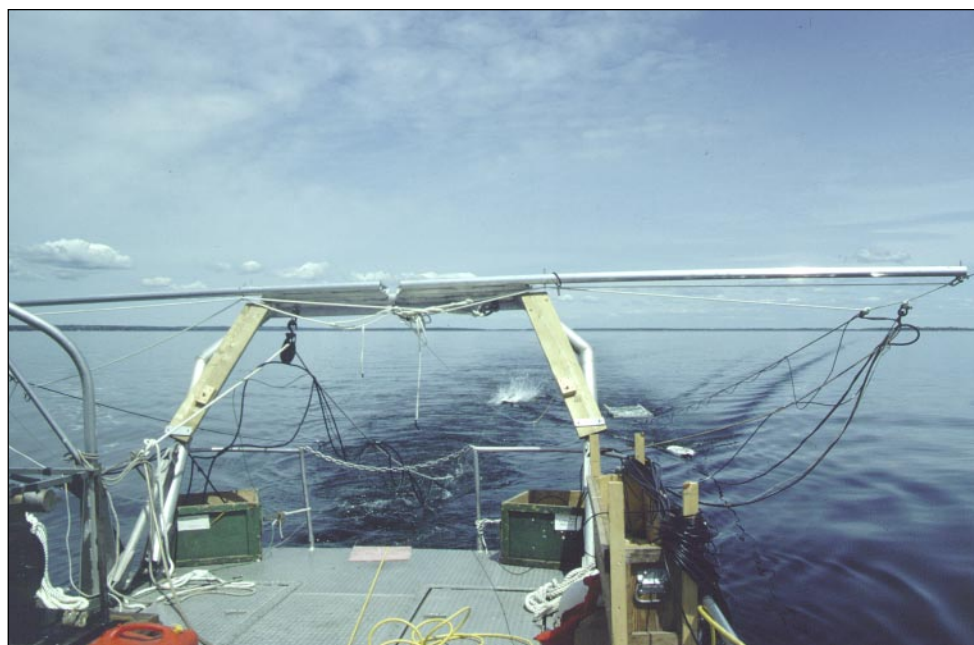


27. Paul White smoking on deck.

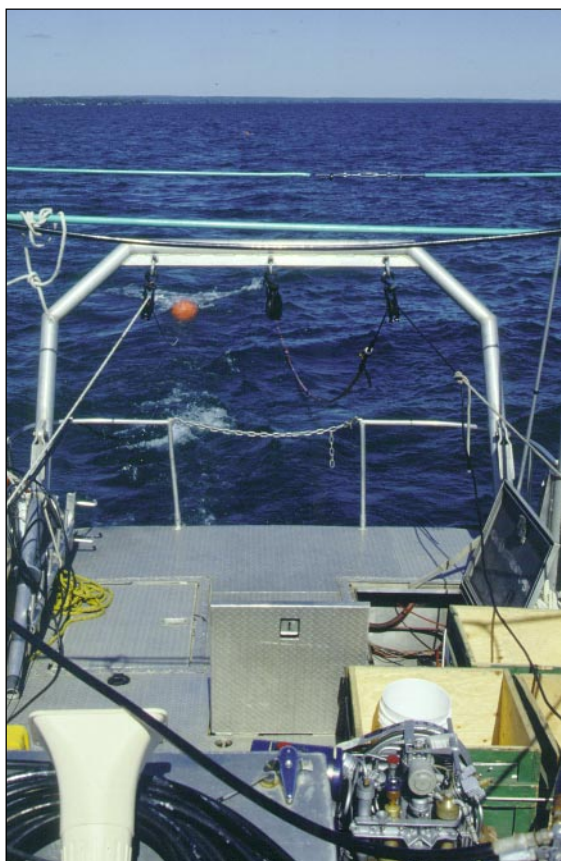


28. A calm survey day on Lake Simcoe.

29. A calm survey day on Lake Simcoe.



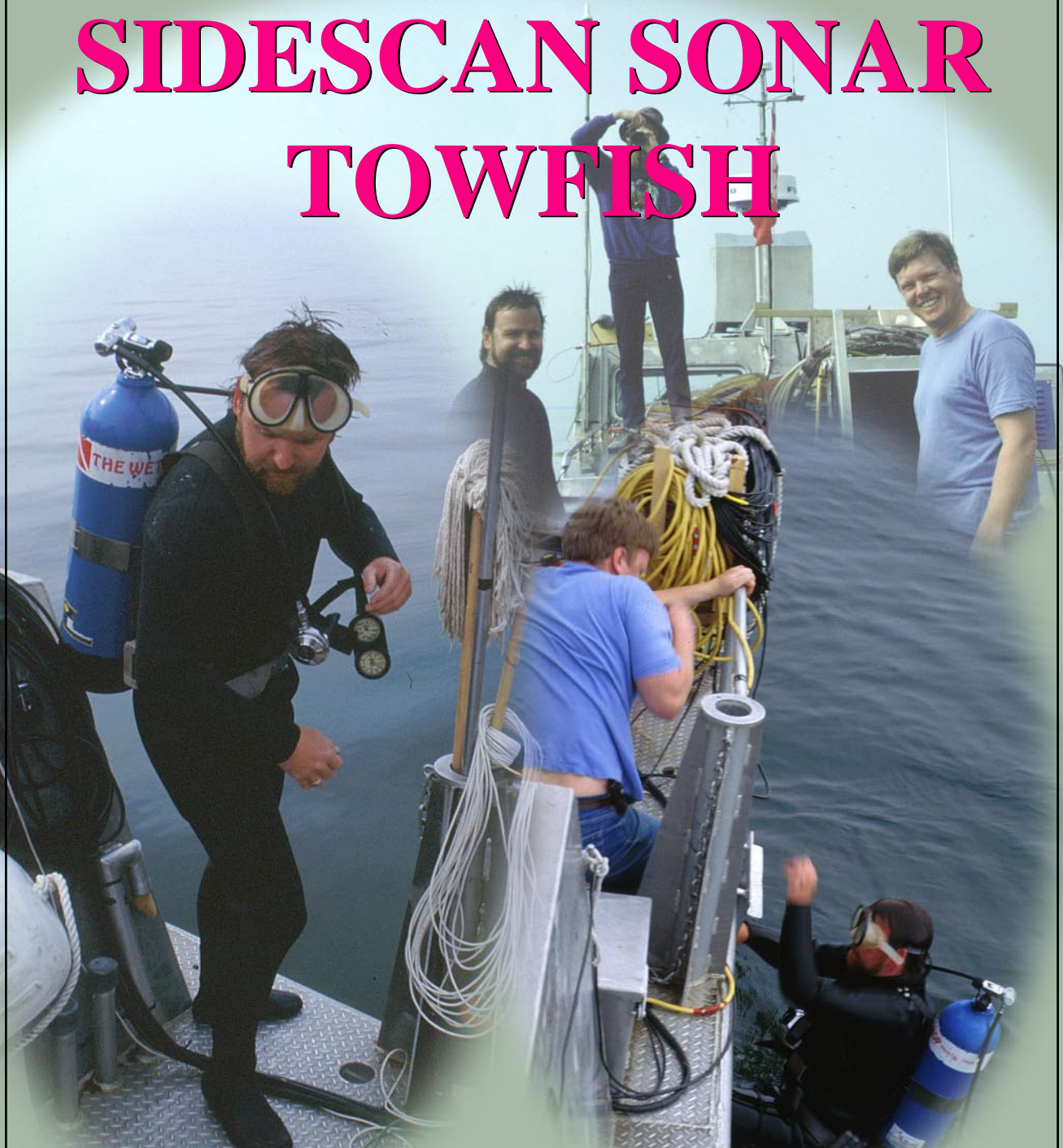
*30. Airgun seismic survey,
Lake Simcoe,
September, 1992.*



*31. Airgun seismic
survey, Lake Simcoe,
1992.*

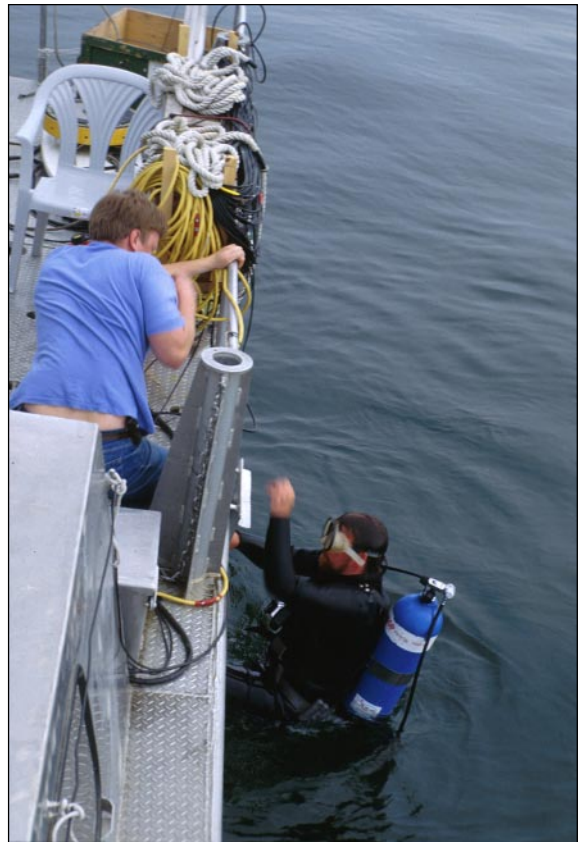
PHOTO ALBUM (Part E)
LAKE SIMCOE SURVEY, 1992-1993

RETRIEVING SIDESCAN SONAR TOWFISH





1. Mark Jones about to enter the lake to attach a recovery cable to the sidescan towfish.



2. Diver being fed the recovery cable by Marten Douma.



3. Ron Good, Mark Jones and sidescan towfish after the successful recovery.



4. Retrieving the lost sidescan towfish, Friday, May 28, 1993. From left to right, Mark Jones (diver), Brian Todd and Marten Douma. Photo taken simultaneously with photo 5

5. On Oro Shoal for the recovery of sidescan sonar towfish, Friday, May 28, 1998. Marten Douma is on the left, Ron Good is in the middle (taking photograph) and Mark Jones is on the right. The sidescan was recovered on Oro Shoal (north end of line 93-1a) in approximately 10-15 feet of water. The yellow towfish was visible from the surface. Photo simultaneously taken with photo 4.



PHOTO ALBUM (Part F)
LAKE SIMCOE SURVEY, 1992-1993

INSTRUMENTS





1. 3.5 kHz sounder
mounted on the starboard
side.

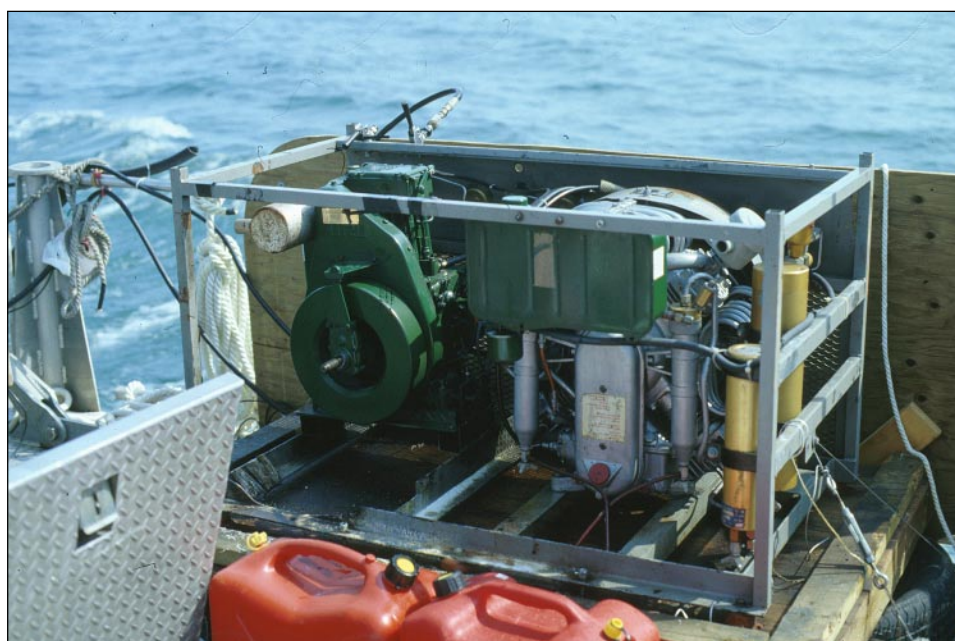


2. Seistec line-in-
cone receiver on
deck.



3. Magnetometer stowage on wheelhouse top.

4. Compressor for seismic airgun source.



5. Surfboard with airgun attachment.



6. Close-up of surfboard with airgun attachment.



PHOTO ALBUM (Part G)
LAKE SIMCOE SURVEY, 1992-1993

SHIP'S INTERIOR





1. Robert Burns in the geophysics lab of the MV *J. Ross Mackay*.



2. Marten Douma and Robert Burns in the geophysics lab on the MV *J. Ross Mackay*.



3. Paul White (left), Robert Burns (centre) and Martin Douma (right) in the geophysics lab of the MV *J. Ross Mackay*.



4. Ron Good at the wheel of the MV *J. Ross Mackay*.

5. Ron Good at the wheel of the MV *J. Ross Mackay*.



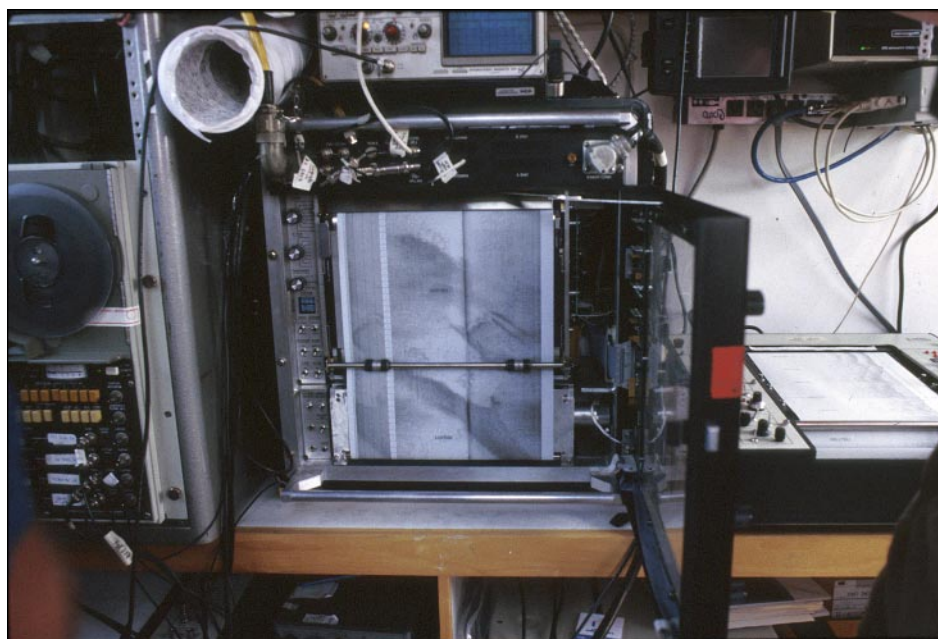
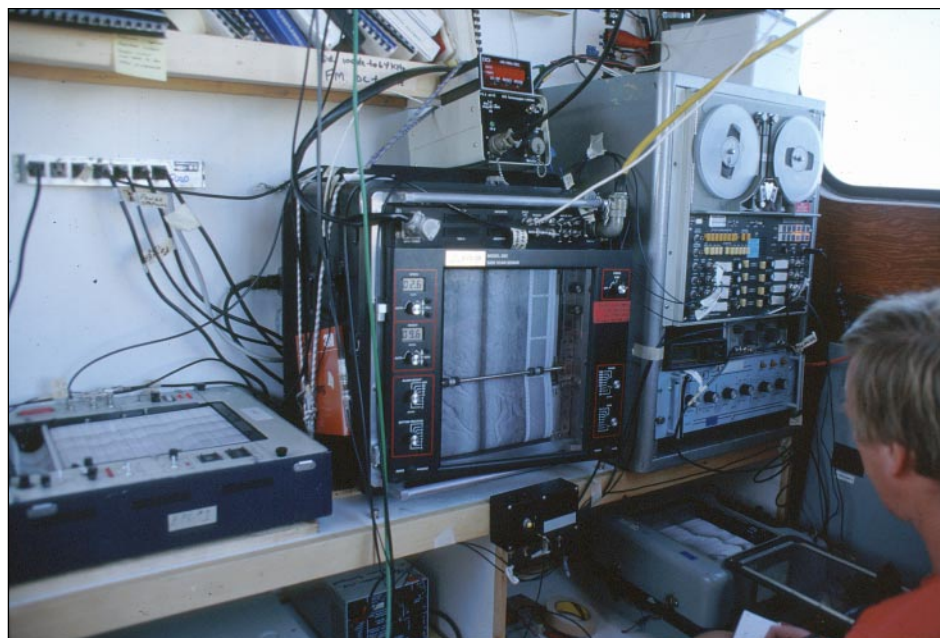


6. Trimble NavTrak GPS display unit in the bridge.

7. Marten Douma in the geophysics lab of the MV *J. Ross Mackay*.



8. Geophysics
lab of the MV
J. Ross Mackay.



9. Sidescan sonar
recorder.

10. Wheel-house of the MV *J. Ross Mackay* showing the computer setup for recording GPS navigation and magnetics.



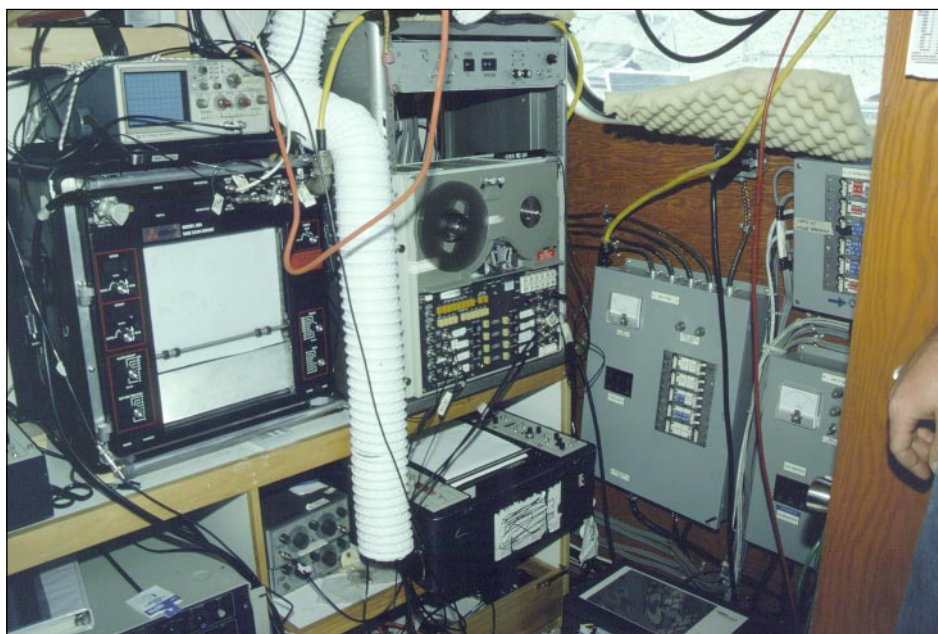
11. Robert Burns in the geophysics lab of the MV *J. Ross Mackay*.



12. Robert Burns
recording Seistec
profiles in the
Kawartha Lakes,
1992.

13. Geophysics lab,
MV *J. Ross Mackay*.





14. Geophysics
lab, MV *J. Ross
Mackay.*

15. Geophysics
lab, MV *J. Ross
Mackay.*

