

## Operation Plan 3 – Transect Line Deployment (Small Boat)

Location: **Cambridge Bay**

Date: September 16, 2014

Constraints: Bad weather, barge at the dock or inbound, no boat

### Objectives

- Search for the 7 m isobath on the 200 m line out west from the platform
- Deploy the 200 m transect line (190 m transect + 10 m extension line)
- Deploy the 50 m transect line (40 m transect + 10 m extension line)

### Operation Dependents

None

### Shore Procedure

1. Monitor Twitter feed

### Communications with Shore

1. On-site team will email on the morning of the dive day
2. Post the dive plan on the cruise website
3. On-board team connect via intercom with shore operations as required

### Operation logger

1. Record deviations from dive plan
2. Record GPS position of the end of the transect
3. Record any other interesting GPS position

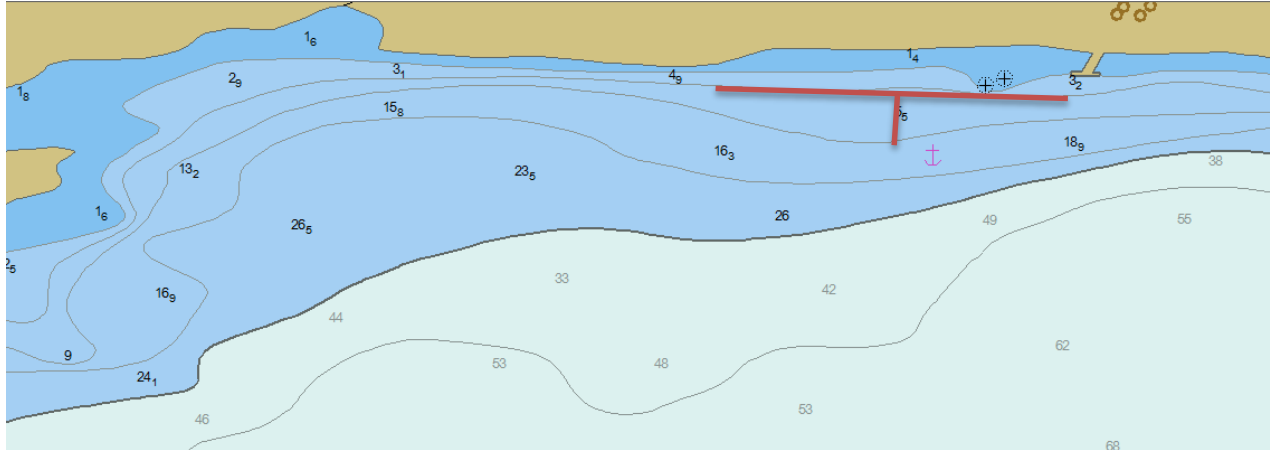
### Equipment Requirements

1. Vessel with Captain and safety gear
2. Handheld depth sounder
3. 200-m transect line
4. 50-m transect line with float
5. GPS
6. 3 floats with weights and approx. 8-10 m line
7. 1 float with weight and approx. > 10 m line (for deep end of perpendicular transect)

### Boat Operations

1. Transit to the SMB at the platform
2. Transit west from the platform searching for the approximate 7 m isobath using the depth sounder
3. Find a 7-m deep point at about 200 m away and drop a weighted float
4. Transit back to the platform
5. Recover the 200m transect spool
6. Start transiting out west of the platform towards the previously deployed float, paying out the transect line
7. At 100-m mark (loop) on the transect, attach the 50-m transect line spool with float to the transect at the 100-m point
8. Record a GPS location
9. Continue laying the 200-m transect line
10. At the end of the line, attach a float and drop the transect end
11. Record a GPS location at the float

12. Recover the first float used to mark the approximate location
13. Transit back to the float at the 100-m mark
14. Recover the 50-m transect line
15. Transit south, perpendicular to the 200-m transect paying out the 50-transect line
16. At the end of the line, attach a float and drop the transect end
17. Record a GPS location at the float



### Post operation tasks

1. Upload videos/pictures
2. Upload GPS coordinates
3. Fill out Metadata spreadsheet