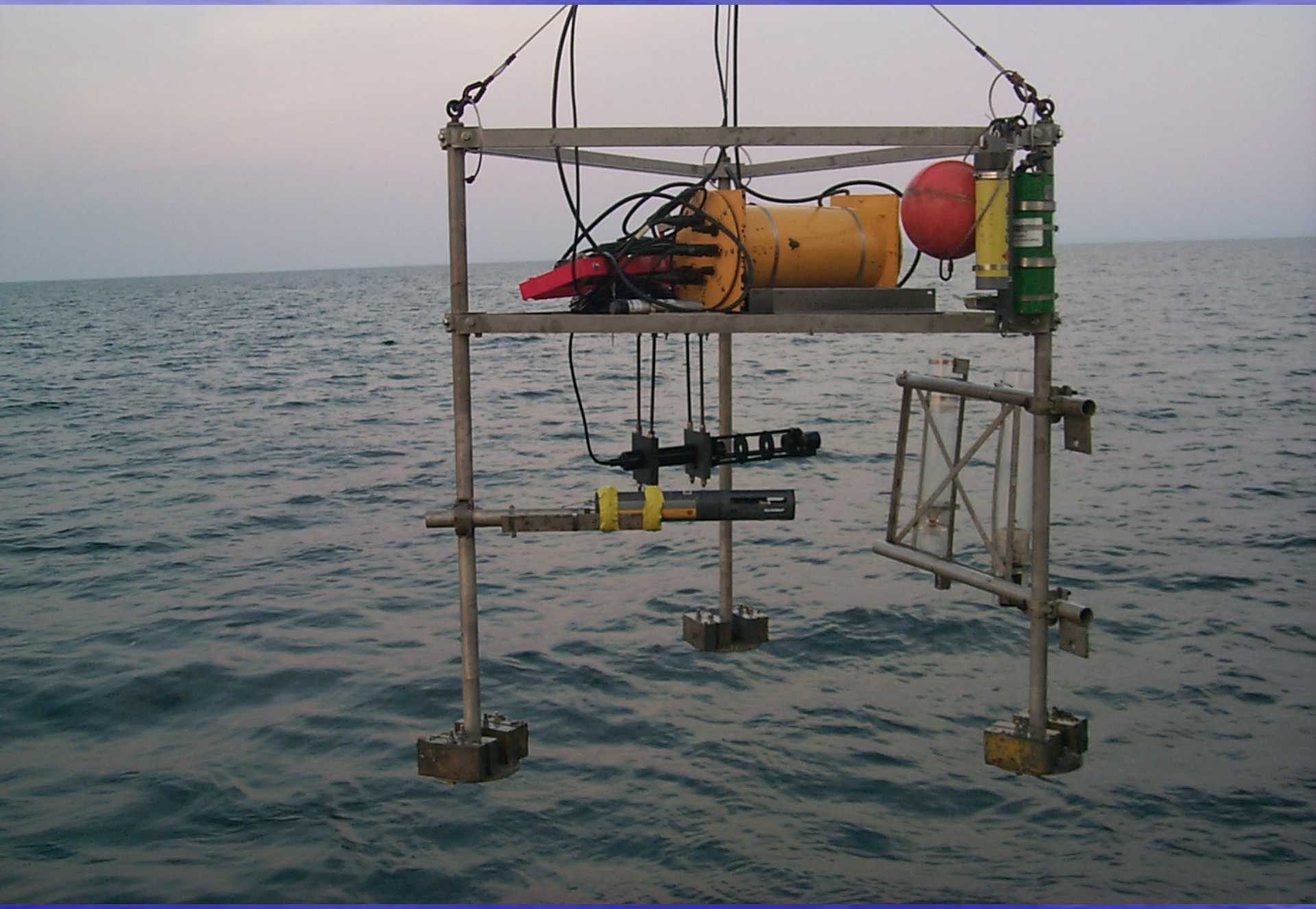
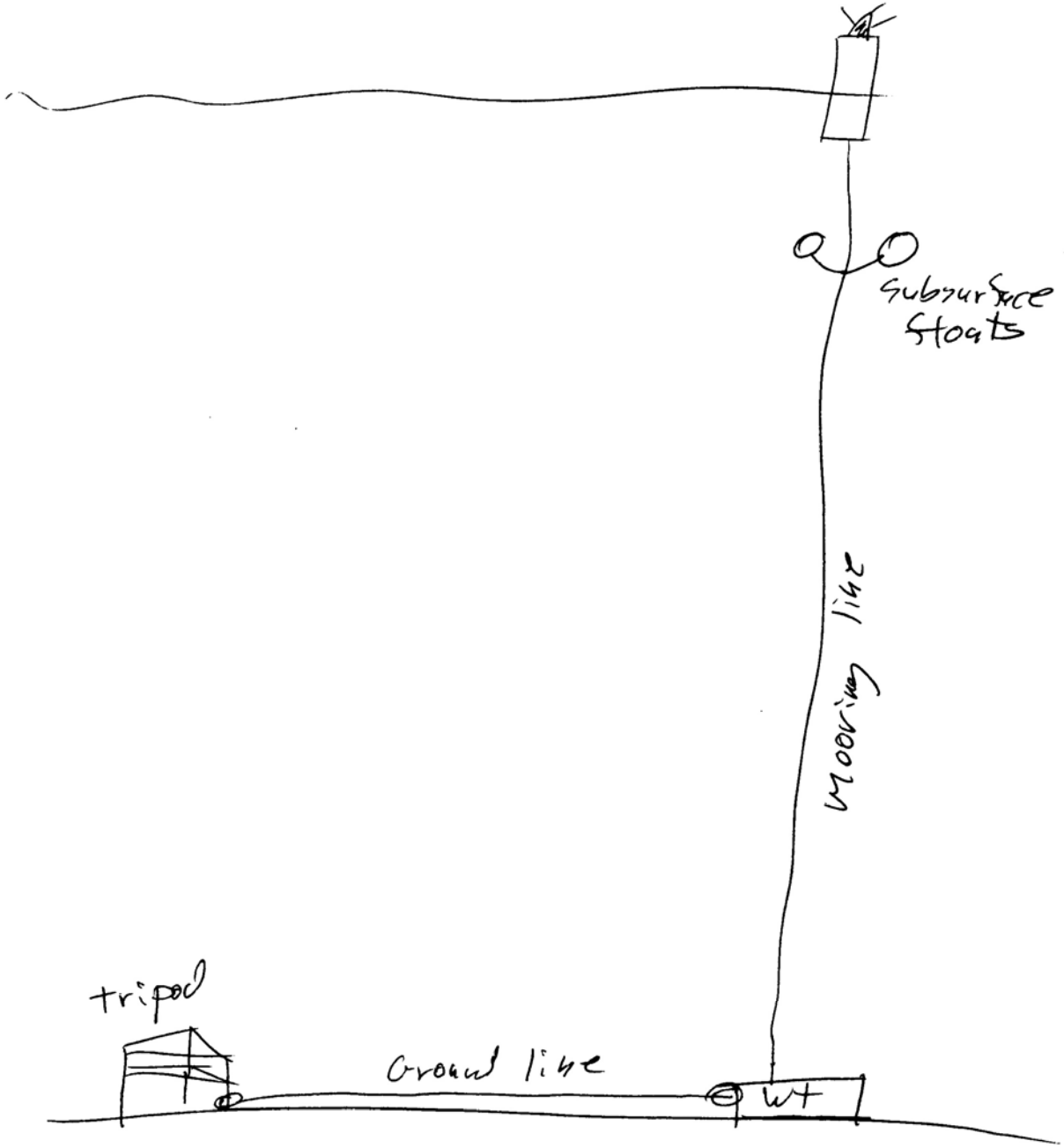
Time series measurements in Saginaw Bay 2009

Nathan Hawley

- Time series observations of water temperature, wave activity, current velocity, and water transparency will be made at several locations in both inner and outer Saginaw Bay.
- 5 Moorings were deployed last fall, and 3 others will be deployed in April.
- The moorings will remain in place until May of 2010.

84°
83°
82°
46°
45°
44°
43°
Sault Ste. Marie
Detour
Meldrum Bay
Providence Bay
Cheboygan
Calcite
Tobermory
Alpena
Harrisville
Tawas
5
1
2
3
4,8
6,7
Southampton
Kincardine
Port Austin
Harbor Beach
Goderich
Bay City
Saginaw
Port Huron
Sarnia
KILOMETERS
20 0 20 40 60 80 100
STATUTE MILES
20 0 20 40 60




Subsurface floats
Mooring line
tripod
Ground line
wt

Timetable

- Fall 2008- deploy 5 adcps
- Spring 2009- deploy 3 additional moorings (2 tripods, 1 adcp), put surface buoys on others
- June 2009 – retrieve 2 tripods
- July 2009- service all moorings
- September 2009 – reconfigure 5 moorings for winter
- Spring 2010 – retrieve all moorings