

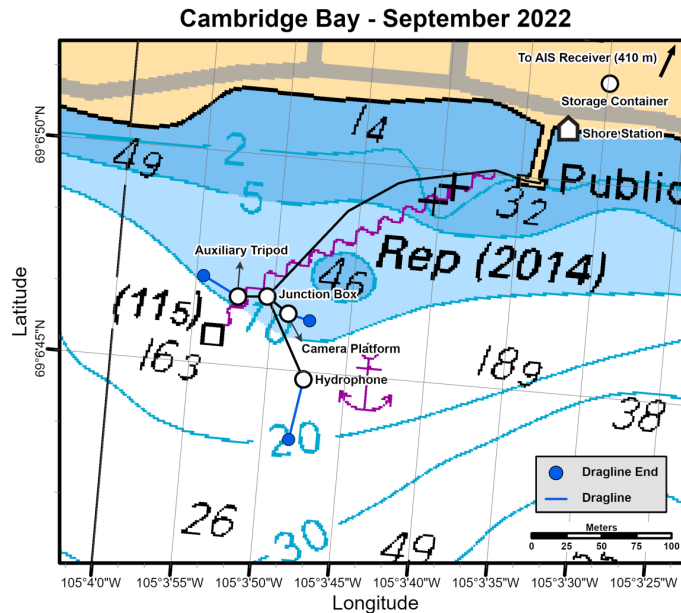
## Notice to Mariners – September 2022

### Arctic Observatory/ONC Cambridge Bay

**Project:** The Cambridge Bay Observatory is an oceanographic observatory managed by Ocean Networks Canada (ONC) of the University of Victoria. From the central dock in Cambridge Bay, a marine cable extends along the ocean bottom to small array of oceanographic instrument systems. A wireless link transmits data to the government building. The data and images are then sent back to the University of Victoria via satellite connection. Project status, system information, and data are available from the ONC website: <http://www.oceannetworks.ca>

**What:** Marine cables and observatory systems (see website for system details).

**When:** Latest system and instrument deployments in Cambridge Bay: **12 September 2022**



*This figure has been produced by the University of Victoria based on Canadian Hydrographic Service (CHS) charts, pursuant to CHS Direct User License No. 2022-1122-1260-U. The incorporation of data sourced from CHS in these products shall not be construed as constituting an endorsement by CHS of these products. These products do not meet the requirements of the Charts and Nautical Publications Regulations, 1995 under the Canada Shipping Act, 2001. Official charts and publications; corrected and up-to-date, must be used to meet the requirements of those regulations.*

#### Platforms:

**Cables and Lines:** A cable runs from the shore station out to the Northwest corner of the dock (69.11423, -105.05897). From there, it extends subsea to a junction box. The junction box is then connected by cable to three satellite instrument platforms. The first cable extends 20m from the junction box to the auxiliary tripod. A blue rope with floats and weights, serving as a dragline, extends ~30m northwest of the auxiliary tripod with an endpoint at (69.113067, -105.06515). A second cable from the junction box extends 65m to the hydrophone platform. The hydrophone is also connected to a dragline that extends ~45m southwest of the platform with an endpoint at (69.11205, -105.0634). A third and final cable extends 20m from the junction box to an installed video camera; another dragline exists at this location, extending ~16m east of the camera platform ending at point (69.112833, -105.063217).

Name	Latitude	Longitude	Depth [m]	Notices	Description
<b>Junction Box</b>	69.11297	-105.06400	8 m	New Notice Requested	1m by 2m metal platform
<b>Hydrophone</b>	69.11245	-105.06323	13 m	New Notice Requested	1.5 m aluminum tripod
<b>Auxiliary Tripod</b>	69.11295	-105.06452	10 m	New Notice Requested	1.5 m aluminum tripod
<b>Camera</b>	69.11287	-105.06360	8 m	New Notice Requested	1.5 m square metal platform

**Contacts:** If you have any concerns, or would like further information, please contact either: Meghan Paulson, Ocean Networks Canada's Director of Observatory Digital Operations at [mpaulson@uvic.ca](mailto:mpaulson@uvic.ca) or 250-721-6279 or ONC GIS Specialist at [GIS@oceannetworks.ca](mailto:GIS@oceannetworks.ca).