



Figure 1. Members of the field team (Darrin Lawless from AES, Taber Midgley and Christopher Small from EA) deploying the wave and water temperature buoy in the Chukchi Sea. - Photo taken by Taber Midgley on a mounted GoPro 22 July 2021. (DeploymentPhotoGrab\_36.jpg)

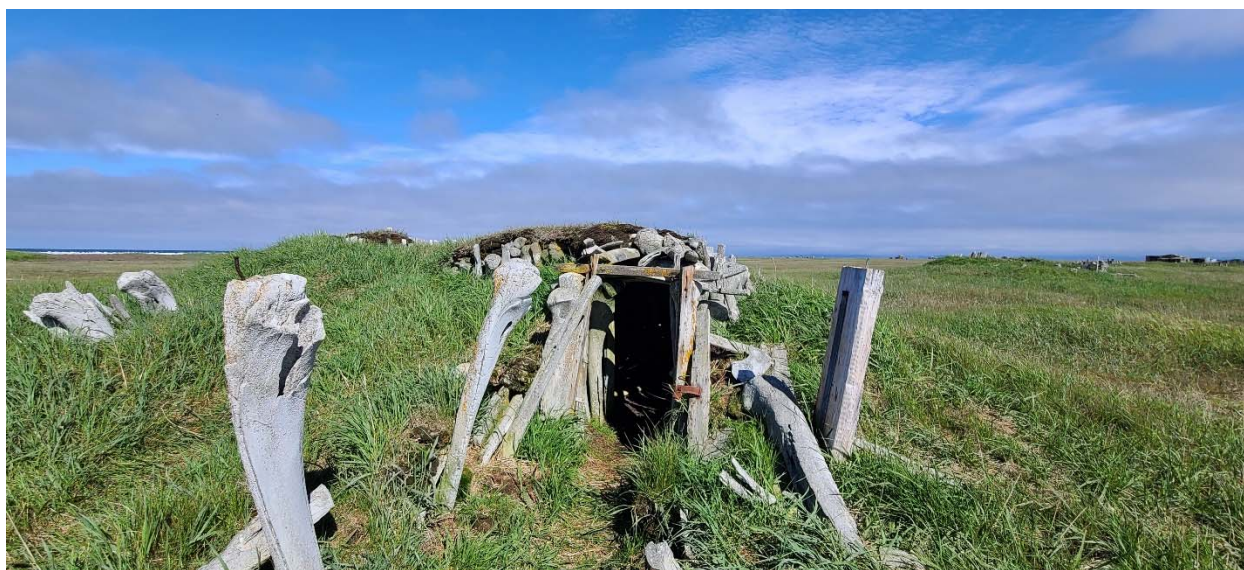


Figure 2. Sod House constructed from whale bones, wood, and sod insulation located within the former village site near the north shore of the Point Hope spit. Cultural sites such as this are located all along the rapidly eroding north shore. Photo taken by Dan Savercool on 22 July 2021. 20210722\_152036.jpg



Figure 3. Survey base station and rover, held by Sean Burkholder, setup on the sole National Geodetic Survey benchmark near Point Hope. The real time kinematic (RTK) global navigation satellite system (GNSS) equipment is required to accurately survey locations and elevations of critical features and to ground truth drone and satellite imagery. Photo taken by Christopher Small on 19 July 2021. IMG\_3543.jpg.





Figure 4. A Point Hope elder Henry Koonook, showing the field team his active ice cellar (Traditional Siglauq), which is accessed through the vertical shaft over the top of the subterranean structure. The Field Team installed dual channel temperature sensors in four ice cellars at Point Hope to collect data that can inform how climate change is impacting the community. Photo taken by Katie Dunn on 22 July 2021. IMG\_0012.jpg.



Figure 5. Taber Midgley and Chris Small (EA) installing pressure transducers to collect water level fluctuations on the shore of the Chukchi Sea near Point Hope's historic and cultural sites threatened by erosion. Photo taken by Dan Savercool on 22 July 2021. 20210722\_173125.jpg



Figure 6. Aerial imagery of the Point Hope community and the gravel spit with the Marryat Inlet on the left and the Chukchi Sea on the right. Photo taken by Sean Burkholder on 22 July 2021 from a drone.





Figure 7. Photo taken from Beacon Hill showing tundra in foreground with the Community of Point Hope in the distance. Photo taken by Taber Midgley of 20 July 2021. 20210720\_211135.jpg



Figure 8. Photo taken on south shore near community of Point Hope showing sea ice/land interface at time of year where the sun remains low in the horizon for the majority of the day. Photo taken by Sam Whitin (EA) 20 February 2020. IMG\_7114.jpg



Figure 9. Culturally important bowhead whale jawbone framing the winter sun sitting low in the horizon.  
Photo taken by Sam Whitin (EA) 21 February 2020. IMG\_7123.jpg