



Alumni Book Club: *The Deepest Map* by Laura Trethewey

Chapters 7, 8, 9

Chapters
Part 3: (pages 130-191) Chapter 7: <i>Crowdsourcing a Map of the Arctic</i> Chapter 8: <i>The Robot Revolution at Sea</i> Chapter 9: <i>Buried History</i>
Part 4: (pages 192-241) Chapter 10: <i>Mining the Deep</i> Chapter 11: <i>To the Bottom and Beyond</i> Epilogue
Wakelet of Shared Resources

Discussion Questions: Choose your discussion question breakout group based on your preference.

#1 REBOUND

We often hear about sea-level rise being an issue for coastal communities. However, glacial melt can lead to land “springing up” through glacial isostatic adjustment or post-glacial rebound.

- How does this phenomenon affect coastal communities?
- Is there an issue with glacial rebound where you live or somewhere you’ve visited?

#2 CROWDSOURCING

Crowdsourcing hydrographic data from private citizens is one solution to increasing map coverage, especially in hard to reach areas.

- What are the potential benefits of crowdsourced data? What are the issues?
- How can this type of data collection benefit Indigenous communities?

#3 SAILDRONES

[Saildrone, Inc.](#) was founded by engineer Richard Jenkins in 2012. It operates a fleet of ocean-going drones or unmanned surface vehicles. In 2014, they began partnering with NOAA to develop and refine Saildrone capabilities.

- How does Saildrone technology affect mapping efforts?
- Is there anything lost by sending drones to sea in place of humans? Would you want to be at “NOAA Teacher at Drone”?
- What other uses for Saildrones have you seen or read about (outside of mapping)?

#4 ARCHAEOLOGY

In chapter 9, Trethewey takes a departure from seafloor mapping and moves into a discussion of shipwrecks, paleochannels, and underwater archaeological sites.

- Why do you think she included this chapter in the book?
- What discoveries did you find of particular interest?