

NAME:

---

1. The most recently formed major iceberg (A68) calved from the Larsen C Ice Shelf, Antarctica, in July 2017. At that time, it measured roughly 2,400 square miles (about the size of the state of Delaware), and its volume was twice that of Lake Erie (or about twice as much water as used in the United States every year).

A. How much fresh water (how many gallons) could possibly be extracted from the A68 iceberg?

B. Approximately how thick is this iceberg?

2. An average person consumes ~1 gallon of water per day for drinking. Stony Brook village has a population of ~14,000 people. Calculate how long the water from the A68 iceberg would last for the Stony Brook community if used only for drinking.