## EARTH SCIENCE 2018/2019

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 <u>volume was twice that of Lake Erie</u> (or about twice as much water as used in the United States every year).
  - A. <u>How much fresh water</u> (how many gallons) could possibly be extracted from the A68 iceberg?

**B.** Approximately <u>how thick</u> was 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. <u>Calculate how long the water from the A68 iceberg would last</u> for the Stony Brook community if used only for drinking?