

## EarthComm Earth's Fluid Spheres: ERRATA

### Errata Notes on the 2001 Edition

- Chapter 1: Oceans and Your Community
- Chapter 2: Severe Weather and Your Community
- Chapter 3: The Cryosphere and Your Community

Changes detailed below include both first printing errata and other changes made in subsequent printings to improve figures and the text.

#### Chapter 1: Oceans and Your Community

1. **Page 129, Activity 4 - Blackline Master Oceans 4.2 Part 2**

The visual shown is the same as Blackline Master Oceans 4.2 Part 1. For the corrected Blackline Master 4.2 Part 2, click [here](#) to download it as a 50 KB pdf.

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#### Chapter 2: Severe Weather and Your Community

**No changes.**

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#### Chapter 3: The Cryosphere and Your Community

1. **Page 461, Activity 2 - Part B, Steps 5 and 6**

**5a.** The net gain is  $0.15\text{km}^3/\text{year}$  ( $0.2\text{ km}$  accumulated- $0.05$  ablated). This equals  $15\text{km}^3$  in 100 years.

**5b.** In 100 years, the glacier volume will increase by 15% to  $115\text{km}^3$ . (The original volume of the glacier is  $100\text{km} \times 5\text{km} \times 0.2\text{km}$ , or  $100\text{km}^3$ .)

**6a.** The net loss is now  $0.15\text{km}^3/\text{year}$  ( $0.05$  accumulated- $0.2$  ablated). This equals  $-0.15\text{km}$  or  $15\text{km}^3$  in 100 years. At this rate the glacier will be completely melted in 666.66 years ( $100\text{km}^3/0.15\text{km}^3/\text{year} = 666.7$  years).

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