



Arctic Report Card: Update for 2010

Tracking recent environmental changes

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Return to previous Arctic conditions is unlikely

Record temperatures across Canadian Arctic and Greenland, a reduced summer sea ice cover, record snow cover decreases and links to some Northern Hemisphere weather support this conclusion



- Atmosphere
- Biology
- Greenland
- Sea Ice
- Ocean
- Land

Red boxes: Consistent evidence of warming.
Yellow boxes: Many indications of warming.

Atmosphere

Arctic climate is impacting mid-latitude weather, as seen in Winter 2009-2010

Sea Ice

Summer sea ice conditions for previous four years well below 1980s and 1990s

Ocean

Upper ocean showing year-to-year variability without significant trends

Land

Low winter snow accumulation, warm spring temperatures lead to record low snow cover duration

Greenland

Record setting high temperatures, ice melt, and glacier area loss

Biology

Rapid environmental change threatens to disrupt current natural cycles

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