

# Ocean Acidification in Alaska

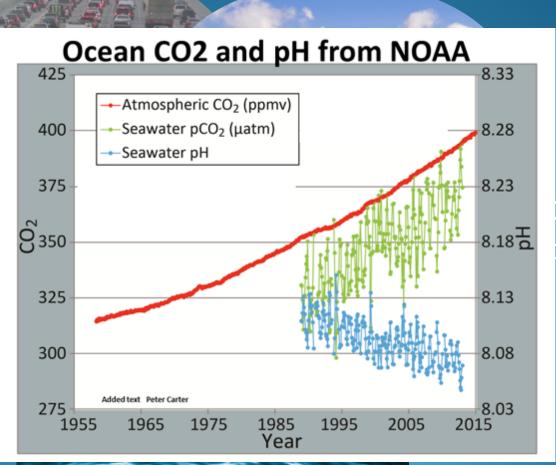
Refresher & Resources

Darcy Dugan
Alaska Ocean Observing System
2021



#### AOOS

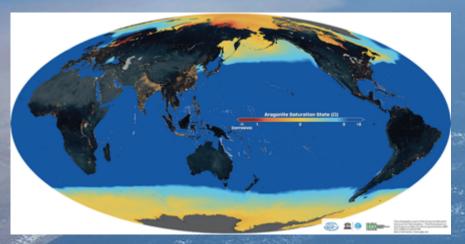
## What is Ocean Acidification?

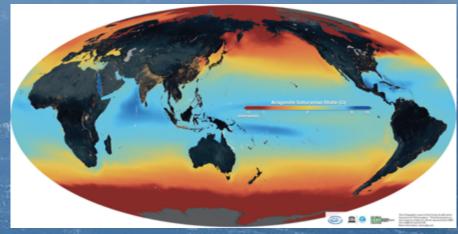


O2 released is by the ocean.

AOOS

### Alaska waters are more susceptible





Pre-industrial

2100



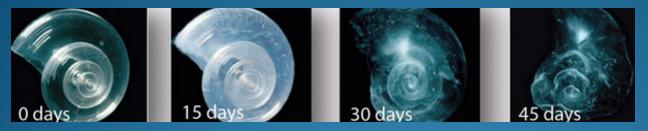








# Why is this a problem?



Orr et al., 2005. National Geographic Images



- Corrosive water disrupts shell building
- Can dissolve shells
- Likely winners and losers



### Alaska Ocean Acidification Network



Alaska Ocean

Engage with communities to expand understanding

Identify information needs and monitoring priorities

Share best practices

Promote data sharing

http://www.aoos.org/alaska-ocean-acidification-network/

#### AOOS

#### Alaskans want information

Is it happening now, and where?

What species might be affected?

Will this impact subsistence?

How might this affect my long term business plan?

When do we need to worry?





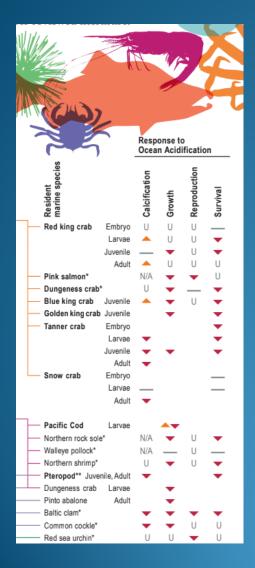


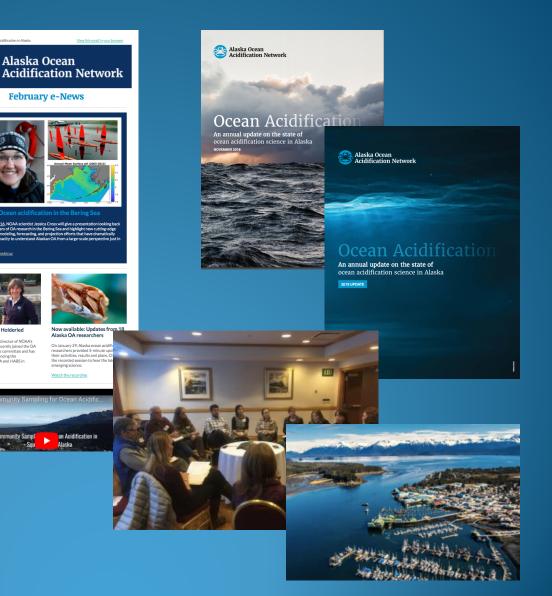






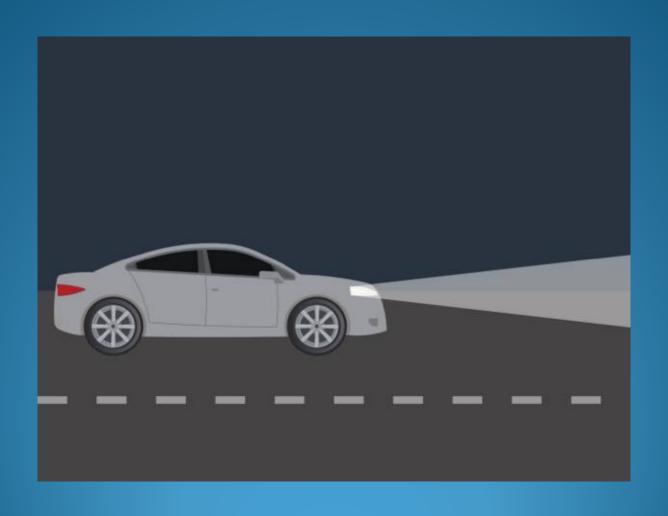
# Network Resources







# Headlights on a car







Find information Ask questions Get involved

http://www.aoos.org/alaska-ocean-acidification-network/

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