

# National Park Service



EXPERIENCE  
YOUR  
AMERICA

## Podcasts for Climate Change Communication



### *Climate Cast Series*

[www.earthtosky.org/climate-cast-series](http://www.earthtosky.org/climate-cast-series)



### *Golden Gate Climate Update*

[www.nps.gov/goga/photosmultimedia/climate-update.htm](http://www.nps.gov/goga/photosmultimedia/climate-update.htm)



## Climate Cast Series



***Focuses on Climate Change effects in your park or refuge***

***Resources on Earth to Sky Website***

***Goal to have many parks and refuges across the country contribute***



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## ETS Podcast Series

ETS Podcast RSS Feed



In response to the growing concerns about the effects of global climate change on our national treasures, a nationwide strategy of communication, mitigation and adaptation has been adopted. These Earth to Sky podcast series inform park and refuge visitors on the present and future affects of climate change on our public lands, and the measures being taken to mitigate and adapt to these effects.

The *Climate Cast* series focuses on a single park or wildlife refuge in each episode, explaining how climate change is impacting their resources. You may hear stories about the influence of climate change on a single species, such as the Florida panther or desert pupfish, or how it's changing entire ecosystems. You may also learn about the impacts to some of our most beloved cultural and historical sites, those places that help define who we are as a nation.

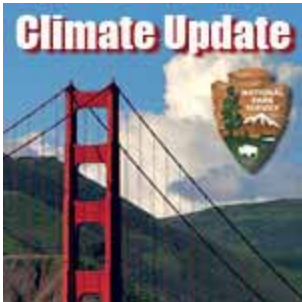
The *Golden Gate Climate Update* series provides interviews with leading scientific authorities, park staff and partners involved with climate change science, response and sustainability as it relates to National Parks.

It is our hope that these series will not only enlighten you to the challenges faced by the managers of our nation's protected areas, but inspire you to seek out ways that you can reduce your impact on and adapt to our changing climate in your own life.

#	Article Title	Date
1	Climate Change and the Red-Cheeked Salamander	02/15/2011
2	Golden Gate Climate Update - Plant Distribution Changes: Part 1	07/14/2010
3	Golden Gate Climate Update - Plant Distribution Changes: Part 2	07/14/2010
4	Golden Gate Climate Update - Sea Level Rise and San Francisco Bay: Part 1	06/25/2010
5	Golden Gate Climate Update - Sea Level Rise and San Francisco Bay: Part 2	06/25/2010
6	Golden Gate Climate Update - Monitoring for Climate Change: Part 1	06/25/2010
7	Golden Gate Climate Update - Monitoring for Climate Change: Part 2	06/25/2010
8	Golden Gate Climate Update - Climate Change and Redwood Forest Ecology: Part 1	05/20/2010
9	Golden Gate Climate Update - Climate Change and Redwood Forest Ecology: Part 2	05/20/2010
10	Golden Gate Climate Update - Climate Observations and Models: Part 1	05/18/2010
11	Golden Gate Climate Update - Climate Observations and Models: Part 2	05/18/2010
12	Climate Cast - Episode 4b: Point Reyes National Seashore	12/22/2009
13	Climate Cast - Episode 4a: Point Reyes National Seashore	12/21/2009
14	Climate Cast - Episode 3: Apostle Islands National Lakeshore	12/20/2009



## Golden Gate Climate Update

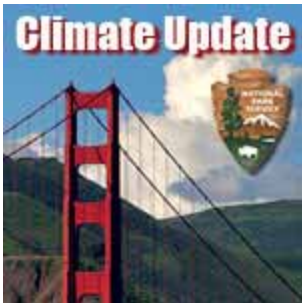


### The Process

- ***Identify potential interviewees***
- ***Look for topical relevance***
- ***Balance spectrum across outside scientists, park staff, sustainable practices***



## Golden Gate Climate Update



### The Process

- ***Create questions relevant to parks in general, specific sites, actions that can be taken***
- ***Set up interview***
- ***Provide questions to interviewee***

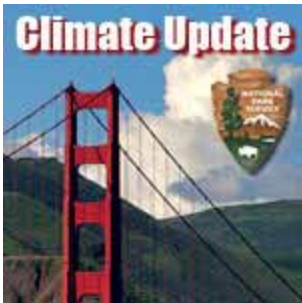


## Questions

- 1. Can you briefly tell us about the coastal erosion studies you are conducting and the climate change factors that may be affecting erosion rates?***
- 2. You have been studying erosion at Ocean Beach in Golden Gate NRA since 2004. What you are doing to monitor the conditions there and do you think that that erosion is in any way related to climate change?***
- 3. There is talk of armoring the shoreline at the south end of Ocean Beach to protect the infrastructure there. What are the benefits and dangers of armoring shorelines?***
- 4. As sea level rises, will all beaches along the coast in the Bay Area be threatened by erosion and removal, or may some beaches keep pace with the rise, or even expand in area?***



## Golden Gate Climate Update

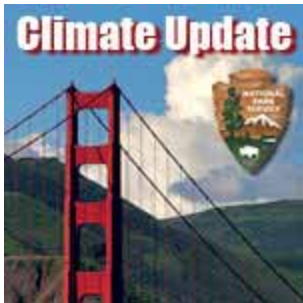


### The Process

- ***Record interview***
- ***Edit interview to focus on most relevant and understandable content within time limits***
- ***Create final mix and downsize to mp3 file***



## Golden Gate Climate Update



### The Process

- ***Create transcripts and podcast descriptions***
- ***Create xml code for RSS (Really Simple Syndication) feeds***
- ***Upload content on website:***

***[www.nps.gov/goga/photosmultimedia/climate-update.htm](http://www.nps.gov/goga/photosmultimedia/climate-update.htm)***

search   Search this park Search nps.gov

## Golden Gate

National Recreation Area

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## Golden Gate Climate Update

[Subscribe to Climate Update RSS feed](#)

Join Golden Gate Climate Update as we hear from people helping your National Parks understand and adapt to climate change. This podcast series interviews leading scientific authorities, park staff and partners involved with climate change science, response and sustainability as it relates to National Parks; particularly those in the West.

You can listen to the two-part podcasts listed below individually or you can subscribe to the series through the RSS feed above.

**Changes in Wind, Upwelling and Fog**

**Dr. James Johnstone** is a researcher at the University of Washington's Joint Institute for the Study of Atmosphere and Ocean. Jim studies the relationship between wind, upwelling, and fog along the West Coast. In this interview, he discusses long-term declines in coastal fog and how this may relate to changes in wind and upwelling associated with climate change.

Interview date: 7-10-10

Part 1 - [mp3 audio](#) (5:12 min., 1.9 mb), [pdf text transcript](#)Part 2 - [mp3 audio](#) (5:35 min., 2.0 mb), [pdf text transcript](#)**Climate Change and Coastal Processes**

**Dr. Patrick Barnard** is a research geologist with United States Geological Survey coastal and marine geology program. Patrick studies coastal erosion and processes along the California coast. In this interview he discusses how climate change factors may affect erosion rates.

Interview date: 7-07-10

Part 1 - [mp3 audio](#) (4:49 min., 1.7 mb), [pdf text transcript](#)



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# Golden Gate Climate Update



**National Park Service, Golden Gate National Recreat...**  
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## PODCAST DESCRIPTION

Golden Gate Climate Update provides a series of radio show-type interviews with top scientists, park staff and partners about climate change and National Parks.

## CUSTOMER RATINGS

We have not received enough ratings to display an average for this podcast.

Rate this podcast:

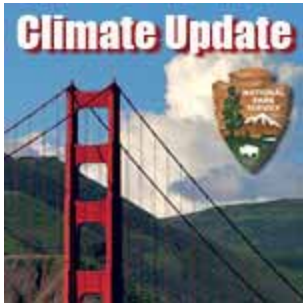
## CUSTOMER REVIEWS

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	Name	Time	Artist	Release Date	Description
4	Climate change and redwood forest ecology - Part 1: Dr. Emily Linn ...	5:38	National Park Service, Golden Gate ...	5/15/2010	In this interview Dr. Linn discusses climate ch
6	Climate change and redwood forest ecology - Part 2: Dr. Emily Linn ...	4:22	National Park Service, Golden Gate ...	5/15/2010	In this interview Dr. Linn concludes her discus
3	Climate observations and models - Part 1: Dr. Robert Cahalan (NASA)	4:00	National Park Service, Golden Gate ...	5/15/2010	In this interview Dr. Cahalan discusses climate
5	Climate observations and models - Part 2: Dr. Robert Cahalan (NASA)	5:55	National Park Service, Golden Gate ...	5/15/2010	In this interview Dr. Cahalan concludes his ds
2	Monitoring for climate change - Part 1: Marcus Koenen (NPS)	5:07	National Park Service, Golden Gate ...	5/15/2010	In this interview Marcus Koenen tells how Bay
1	Monitoring for climate change - Part 2: Marcus Koenen (NPS)	4:54	National Park Service, Golden Gate ...	5/15/2010	In this interview Marcus Koenen concludes his



## Golden Gate Climate Update



### Hybrid Products

- ***Repurpose content as needed***
- ***Remix with other interviews***
- ***Use content in science communication articles, presentations, etc.***

# National Park Service



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## Carbon Offset Sticker

### Pilot Project

David Grimes – Crater Lake NP

Michael Liang – North Cascades NP

Outcome of 2008 Joint PWR and AKR workshop



# Golden Gate

National Park Service  
U.S. Department of the Interior



## \$2 Carbon Offset Sticker

**CLIMATE CHANGE** is affecting our national parks. Visiting parks in gas-powered vehicles contributes to climate change. **YOU CAN HELP** compensate for your vehicle's emissions by purchasing this collectible sticker. **SEE THE BACK** for details....

### **SPECIES AT RISK**

*The federally protected Western Snowy Plover nests and feeds on beaches. As oceans warm and polar ice caps melt, rising sea levels will likely inundate Golden Gate's coastline, causing habitat disruption for the Western Snowy Plover and other shoreline species.*



**Your \$2 purchase will offset the CO<sub>2</sub> produced by 150 miles of driving.**

### **What is a carbon footprint?**

Your carbon footprint is the amount of greenhouse gas pollution you produce. You can shrink your carbon footprint by reducing your energy consumption and buying offsets.

### **What is a carbon offset?**

A carbon offset is a product that

represents a specific reduction in greenhouse gas emissions. This \$2 offset is equivalent to 150 pounds of carbon dioxide (CO<sub>2</sub>) that was NOT emitted into the atmosphere. 150 pounds is the amount of CO<sub>2</sub> produced by driving an average-sized automobile 150 miles.

### **Where will my dollars go?**

This offset is a product of the Bonneville Environmental Foundation (BEF) in partnership with the National Park Service. BEF's offsets support the production of renewable energy. Your purchase corresponds to approximately 100 kilowatt-hours of wind and solar power. Learn more at [www.b-e-f.org](http://www.b-e-f.org) or by calling 1-866-BEF-8247.

### **How do wind & solar power compensate for auto pollution?**

When we produce clean energy and feed it into the power grid, the burning of fossils fuels to create electricity is scaled back. That means less CO<sub>2</sub> in our atmosphere and a smaller carbon footprint for you.

### **How can I be sure that the reduction in CO<sub>2</sub> is real?**

This product has been certified by Green-e® Climate, an independent certification program for greenhouse gas emission reductions (offsets) sold in the voluntary market. The Green-e® Climate logo provides a way to identify products that meet the program's high environmental and consumer protection standards.

For more information on Green-e® certification requirements, or to find certified products, see [www.green-e.org](http://www.green-e.org) or call 1-888-63-GREEN.

### **How can I make my carbon footprint even smaller?**

Visit [www.DoYouPartParks.org](http://www.DoYouPartParks.org) to discover ways to reduce your energy consumption. To purchase additional offsets, go to [www.b-e-f.org/shop](http://www.b-e-f.org/shop).



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