



## IMAGINE A WORLD WITHOUT FISH.

*It seems inconceivable.* 🐟 But top scientists warn that such a catastrophe may in fact play out in coming generations unless widespread awareness is raised to stop ocean acidification. 🐟<sup>x</sup> *A Sea Change* focuses public attention on this urgent but little-known crisis.

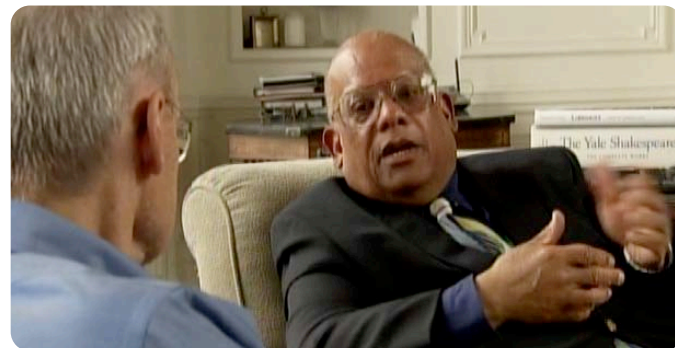
It follows retired educator and concerned grandfather Sven Huseby back to stunning ancestral sites (Norway, Alaska the Pacific Northwest) where he finds cutting-edge ocean research underway. His journey of self-discovery brings adventure, surprise and revelation to the hard science of acidification.

*A Sea Change* aims not only to educate viewers about the science of our rapidly-changing world, but also to engage them on accessible terms. The film delivers the data necessary to build credibility with skeptics together with the cultural/spiritual dimensions that will attract and motivate audiences everywhere. [CONTINUE READING INSIDE](#) ▶

# a sea change

nijii  
films

CONTA  
62 Bingham  
Germantown



► **Ocean acidification is the flipside of global warming. Whatever you put into the air winds up in the ocean. It affects everything about how we live.**

— NEW YORKER WRITER ELIZABETH KOLBERT

► **I have to be able to look my granddaughter in the eye. We are putting the burden of action on her generation by our failure to act aggressively.**

— DR. EDWARD L. MILES, UNIV. OF WASHINGTON

## The world's oceans cover 70% of the planet's surface.

Hundreds of millions of people rely on the bounty of the seas for their survival and their cultural identity. Yet compared to terrestrial ecosystems, relatively little is known about our oceans.

What is now conclusively known is that the pH balance of the oceans has changed dramatically since the beginning of the Industrial Revolution—a 30% increase in acidification. With near unanimity, scientists now agree that the burning of fossil fuels is fundamentally reshaping ocean chemistry.

Experts predict that over the next century, steady increases in carbon dioxide emissions and the continued rise in the acidity of the oceans will cause

### SUSTAINABLE FILMMAKING

*The producers of A Sea Change attempted to reduce, as much as possible, the creation of carbon dioxide and unnecessary waste in the process of making this documentary.*

most of the world's fisheries to experience a total bottom-up collapse, a state that could last for millions of years.

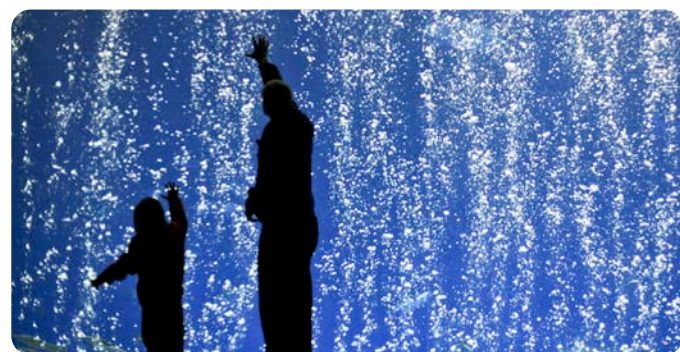
Through the mass-medium of film, *A Sea Change* broadens the discussion about the dramatic changes we are seeing in the chemistry of the oceans, and conveys the urgent menace this poses to our survival.

## Ocean acidification threatens over 1,000,000 species with extinction—and with them, our entire way of life.

The film's protagonist has an unusual relationship to the sea. Born in Norway, Sven Huseby's parents owned a fish market. After World War II, his father ran a salmon cannery in a remote native village situated on an Alaskan fjord. Moving in the 1950s to the cultural security of Seattle, Sven spoke Norwegian in his neighborhood while developing his English at school, eating fish six days a week. He became the first in his family to attend college after admission to Yale.

The changes to our seas awaken Sven's environmental consciousness, and also threaten his cultural identity. Revisiting the places where he grew up, he witnesses the cultural, economic and ecological





▶ **To cope with the problems of CO2 will probably cost around 1 to 2% of the gross national product.**

— EYSTEIN BORGEN, CEO OF SWAY

▶ **I often think about what is happening to the oceans, Elias, and I wonder if your world is going to consist of a barren sea.**

— SVEN HUSEBY, WRITING TO HIS GRANDSON

changes already underway and assesses the problems that ocean acidification might hold for future generations.

New questions haunt him: *How will he explain to his oldest grandchild, Elias, what is happening to the oceans and their ecosystems? How will he teach Elias the traditions of his family, and their historic dependence on the sea? How will he help him look into a changing and uncertain future? What can each of us do to avoid contributing to a crisis threatening future generations?*

Driven by these concerns, Sven embarks on a picturesque (and at times even picaresque) odyssey that leads him to small fishing villages whose cash crop is at risk, native communities whose way of life is being threatened, activists working to combat the crisis, and individuals who are changing their lifestyles to make a difference at the most local level. He seeks out entrepreneurs and investors and everyday people to discover what is being done to address these issues.

At the end, Sven is reunited with his grandson to tell about all that he has learned.

The award-winning documentary *A Sea Change* is a personal journey, one that is scientifically rigorous, sometimes humorous, and unflinchingly honest. It moves people to act now, before the oceans of our youth are lost for those who come after us.

## INTERVIEWS

- ▶ *Andrew Beebe, Suntech Energy Solutions*
- ▶ *Ken Caldeira, Carnegie Institution, Stanford University*
- ▶ *Dr. Robert Corell, Heinz Center, Wash., D.C.*
- ▶ *Dr. Victoria Fabry, California State Univ.*
- ▶ *Dr. Richard Feely, NOAA*
- ▶ *Elizabeth Kolbert, New Yorker writer and author of The Darkening Sea*
- ▶ *Maya Lin, Artist*
- ▶ *Dr. Edward Miles, Univ. of Washington*
- ▶ *Dr. Riki Ott, fisherwoman, author and marine toxicologist, Cordova, Alaska*
- ▶ *Professor Lloyd S Peck, British Antarctic Survey, Nat. Environment Research Council*
- ▶ *Dr. Jeff Short, NOAA, Juneau, Alaska*
- ▶ *Dr. Chris Sabine, NOAA*
- ▶ *Miyoko Sakashita, Center For Biological Diversity*
- ▶ *Dr. Rolf Seljelid, Professor Emeritus, Tromsoe Medical University, Norway*
- ▶ *Thomas W. Van Dyck, CIMA*
- ▶ *Deborah Williams, President, Alaska Conservation Solutions*

# a sea change | CREW

## AWARDS

**DIRECTOR / CO-PRODUCER** \* **Barbara Ettinger's** first film, *Martha and Ethel*, was screened at the Sundance Film Festival and distributed theatrically by Sony Pictures Classics. Her most recent film, *Two Square Miles*, aired nationally on PBS's Independent Lens in 2006 and again in 2007.

**CO-PRODUCER** \* **Sven Huseby** is a retired independent school head who worked as a teacher and headmaster at Vermont's Putney School for thirty years. He co-produced *Two Square Miles*.

**CO-PRODUCER** \* **Susan Cohn** has directed, produced and written three documentaries, all focusing on the balance between man and nature. *Green Fire: Lives of Commitment*, *Passion in a Fragile World* and Richard Nelson's *Alaska* were aired on PBS affiliates. Her film *Running Madness* won multiple awards.

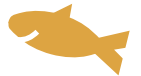
**ASSOCIATE PRODUCER** \* **Ben Kalina's** debut film, *Diorama*, won the Best Feature Film award at the 36th annual Sehsüchte festival in Potsdam, Germany.



- Best Green Film, Kosovo International Documentary Film Festival
- Grand Prize, Feature Documentary, FICA International Environmental Film Festival
- Dumosa Award for Best Coastal Film, Cottonwood Environmental Film Festival
- Best Nordic Country Film, Polar Film Festival
- Gold Kuhuna & Aloha Accolade Awards, Honolulu International Film Festival

**DIRECTOR OF PHOTOGRAPHY** \* Award-winning cinematographer **Claudia Raschke-Robinson** is best known for her work in feature films such as *The Last Good Time* and *No Way Home*. Her latest feature documentary, *Mad Hot Ballroom*, was shot entirely on location in New York City.

**EDITOR** \* **Toby Shimin** has edited numerous films, including *Everything's Cool*, *A Leap of Faith*, *Martha and Ethel* and *Out of the Past*.



niiji  
films

**CONTACT BARBARA ETTINGER & SVEN HUSEBY**

62 Bingham Mills Road  
Germantown NY 12526

518.537.5830 TEL  
518.537.6778 FAX

niijifilms@gmail.com  
www.aseachange.net