

OPR Alaska Inc.

True Alaska Pioneers

An OPR World, Inc. Company

Kenai, Alaska

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OPRAK.com



Ocean Pasture Restoration An Alaskan Fisherman's Perspective

Hi, I am Ted Crookston. I've been a Cooke Inlet setnet fisherman starting more than 50 years ago with my father. Four generations of my family have depended on the fish of Cooke Inlet. I can tell you we and the fish are in big trouble. That's why my family dug deep and became an equity investor in OPR. We are betting the farm OPR can bring back the fish!

Ocean Pasture Restoration Alaska's Largest Producer Of Carbon Offsets

Bringing Back the Fish to Alaska

One out of four jobs in Alaska are dependent on fisheries

Safe, Sustainable, and Successful nature-based proven for-profit solution to ocean change.

Capture TENS to HUNDREDS of millions of tonnes of CO₂ every year!

Deploying NOW!

A National Priority Backed By Massive Federal Incentives



Carbon Negative™

AT A GLANCE

The U.S. Government's first major effort in carbon dioxide removal (CDR)—**Carbon Negative Shot**—is the all-hands-on-deck call for innovation in technologies and approaches that will remove and store carbon dioxide (CO₂) at meaningful scales for less than \$100/net metric ton of CO₂-equivalent (CO₂e).

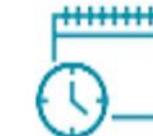
This research initiative is being deployed to help achieve a net-zero carbon economy and eventually remove legacy carbon pollution to address the climate crisis, with a dedicated focus on doing so in a just and sustainable manner.



<100 Dollars



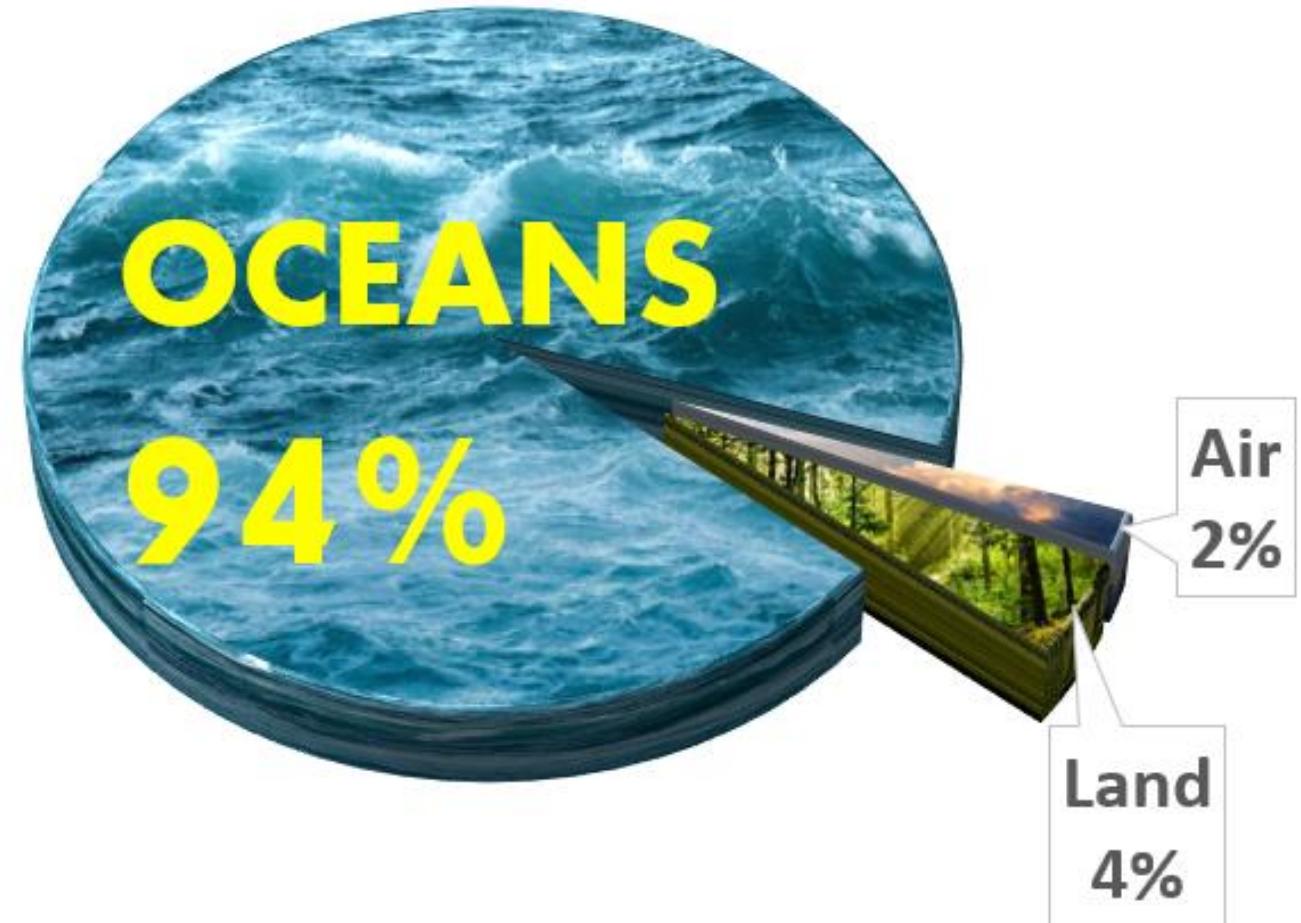
1 Ton



1 Decade

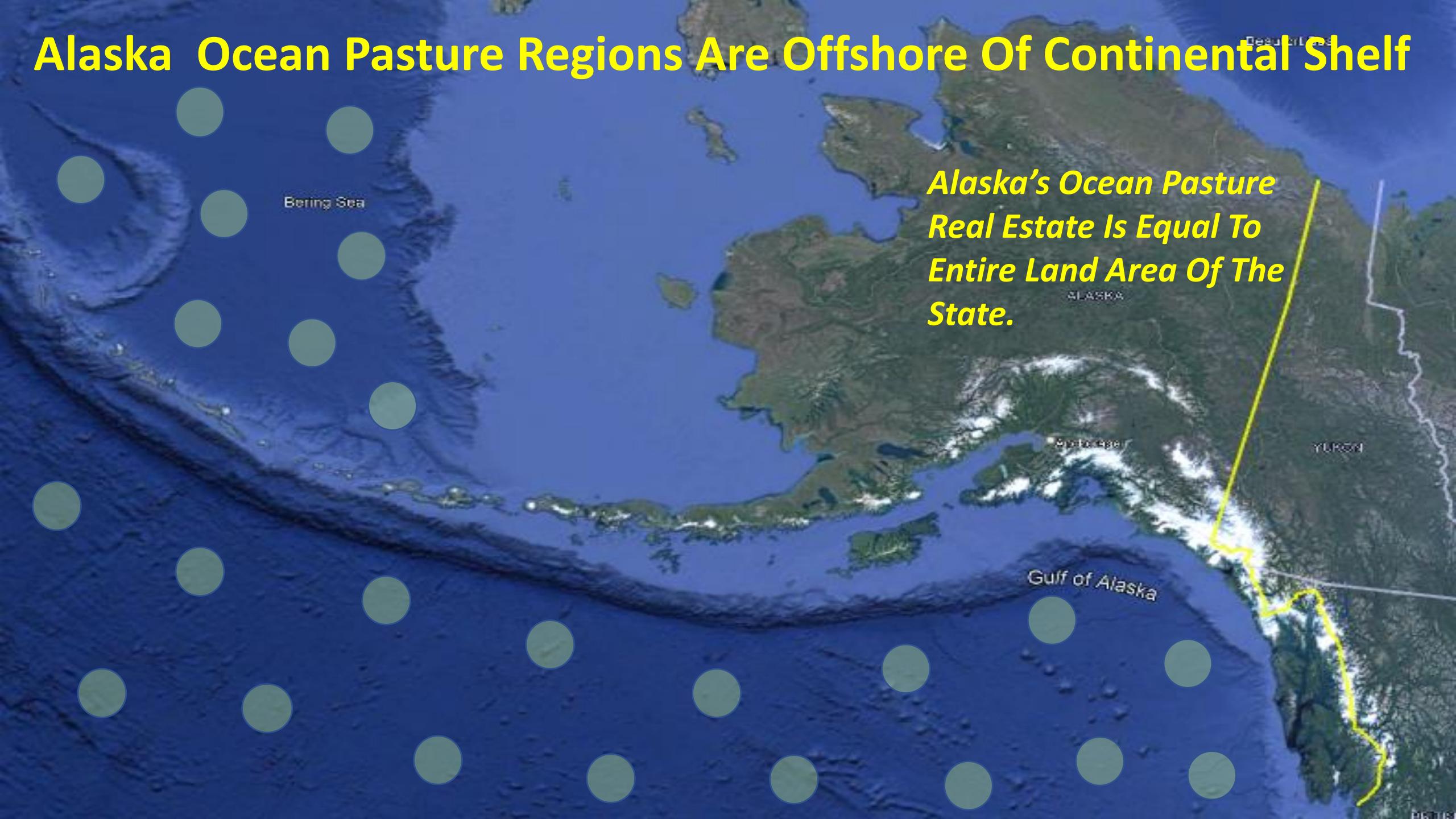
Ocean Carbon
Is
Where
The
Action
Is

Where on Earth is all the Carbon?



Alaska Ocean Pasture Regions Are Offshore Of Continental Shelf

*Alaska's Ocean Pasture
Real Estate Is Equal To
Entire Land Area Of The
State.*



Ocean Pasture Restoration (OPR)

**Nature-
Based
Technology**

**Proven To
Bring Back
the Fish**

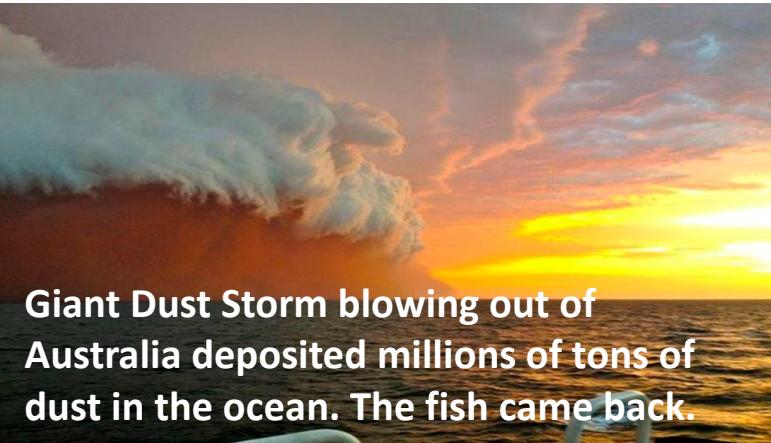
**Derives from
50 years of
Ocean
Science**

**Delivers large
volumes of
high-value
“BlueCarbon”**

Ocean Ecosystems Thrive or Die At The Mercy Of Dust In The Wind



Alaskan volcano, Kasatochi, erupted August 2008; millions of tonnes of ash dusted Gulf of Alaska salmon pastures.



Giant Dust Storm blowing out of Australia deposited millions of tons of dust in the ocean. The fish came back.



Antarctic icebergs hold centuries of accumulated windblown dust, as they melt the ocean is restored to luscious green health.

Today due to high CO₂, grass is growing and covering the world's dusty lands. This is the worst news possible for the oceans.

Mineral dust regulates ocean primary productivity.

More grass growing means less dust blowing to feed ocean pastures.

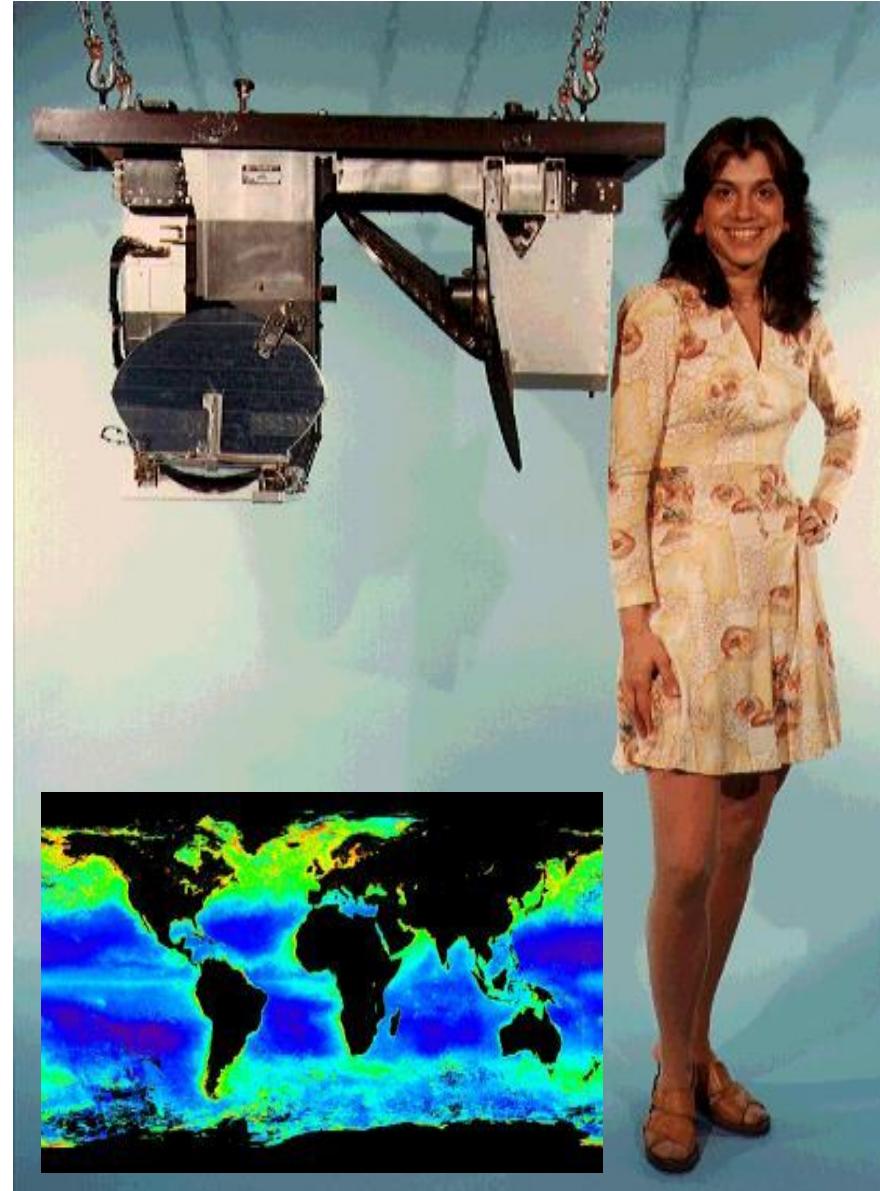
More
Grass
Growing
Means
Less
Dust
Blowing



Western
China
twenty
years
ago
and
today!

Ocean Pasture
Academic
Science
For
50+ Years

Ocean Pasture
Restoration
(OPR)
NOW!



OPR Alaska ©2023

**First Ocean
Pasture (Ocean
Color) Satellite
Launched 1978**

**Built and orbited
because of
concerns for
diminishing ocean
plankton blooms!**

**We have learned a
lot since then.**

Ocean Pasture Restoration Technology and Methodology



Iron concentration ~200+ miles offshore is too low to support plankton blooms at 3 ppt. Replenished to 100 parts per trillion, and our ocean pastures will bloom !



Our prescription of red iron ore dust, mixed with water, is dispersed across a ~10,000km² ocean pasture.

Ocean currents disperse and dilute mixture over many months, we remain on station collecting state-of-the-art ocean science data.

Replenished with vital iron, the pastures bloom, feeding ocean life, and capturing & sequestering CO₂ as new ocean life.

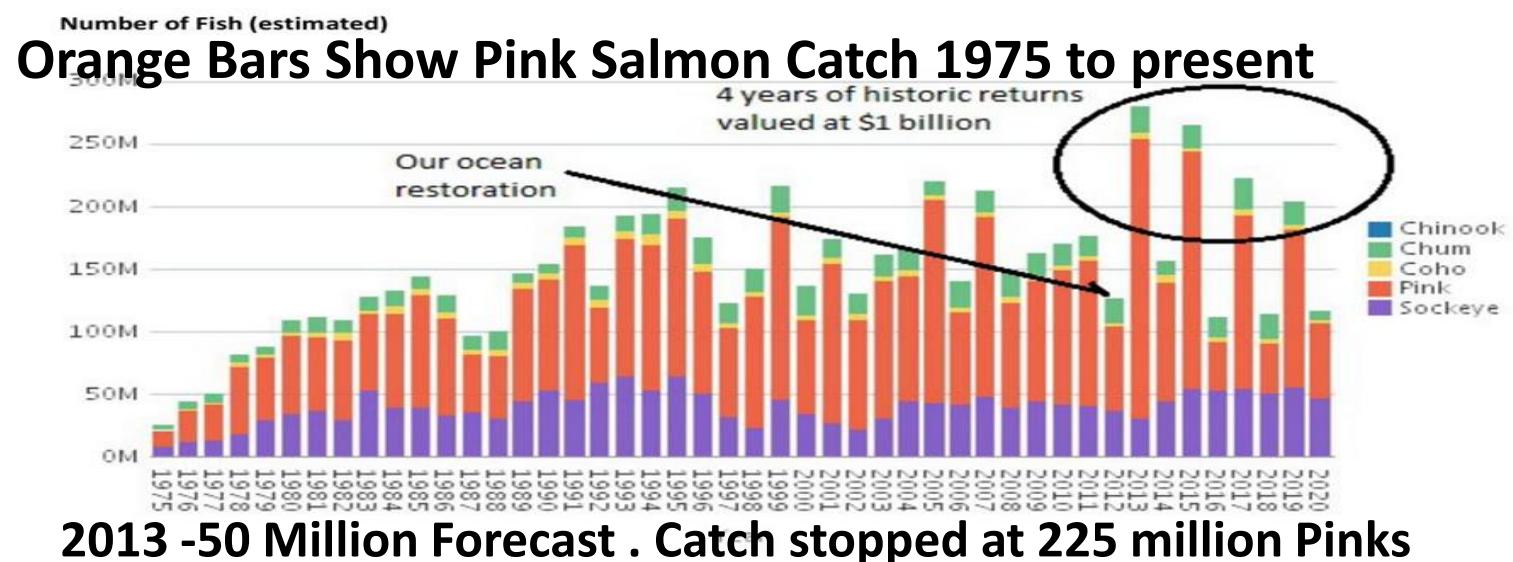
We repeat, restoring one or more ocean pasture a year for 3-years in our commercial-scale demonstration phase. We expect to expand to 3 pastures per year.

OPR Alaska Proven Technology and Know-how



**2013 Alaska Miracle
Catch – Largest catch
in all of history**

**\$600 million in
economic stimulus to
Alaska economy**



Restoring Ocean Pasture Ecosystems The Only Antidote For Yesterday's Emissions

**2 TRILLION tonnes of historic CO₂
emissions have produced catastrophic
effects on Earth's oceans**

- Oceans cover 70% of the planet, they are the world's primary carbon sink ... they are failing
- OPR repairs this vital carbon sink
- Most climate solutions focus only on reducing CO₂ future emissions
- OPR is the nature-based antidote for yesterday's emissions

OPR Alaska Solution

- OPR proprietary nature-based technologies restore the health and abundance of phytoplankton in vital ocean ecosystems (pastures)
- Each year just one of our Alaskan ocean pastures will capture 10-100 million tonnes of Blue Carbon (CO₂)
- CO₂ that becomes replenished ocean life stops ocean acidification
- Many more beneficial climate effects accompany healthy ocean pastures

OPR Alaska Inc. Revenue for Alaska

We are an Alaskan company

We operate with Alaskan Employees

We will pay Alaskan Corporate Taxes

We are offering Alaska a Blue Carbon Mineral Royalty

We will Bring Back Hundreds of Millions of additional Alaskan salmon every year!

OPR Alaska Do The Math On State Revenue

OPR Blue Carbon Annual Sales
100 million tonnes @ \$100/t = \$10 Billion



*Think our numbers are over-stated....
Just move the decimal place, we're still good to go*

OPR Alaska Business Model

3-Year Commercial-Scale Ocean Pasture Restoration & Development Plan:

- \$20 Million over 3-years venture finance
- Public-private partnership agreement with Alaska
- 3-year pilot project science proves OPR is **SAFE, SUSTAINABLE, AND SUCCESSFUL**
- Verification and certification proves ‘blue carbon’ sales compliant with Paris Treaty
- On-going management of Alaska ocean pastures continues for 50+ years

- Support: OPR Alaska Resolution**
- Support: Federal Ocean Restoration Act**
- Support: OPR Alaska / Alaska Public Private Partnership**
- Support: OPR Alaska eligibility for Salmon Cost Recovery Program**
- Support: OPR Alaska as the number one carbon capture and storage technology for the nation**

Beyond Alaska

OPR World Deployment Plan



OPR Alaska Inc.

OPR World Inc.

Contact:

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Founder / CEO

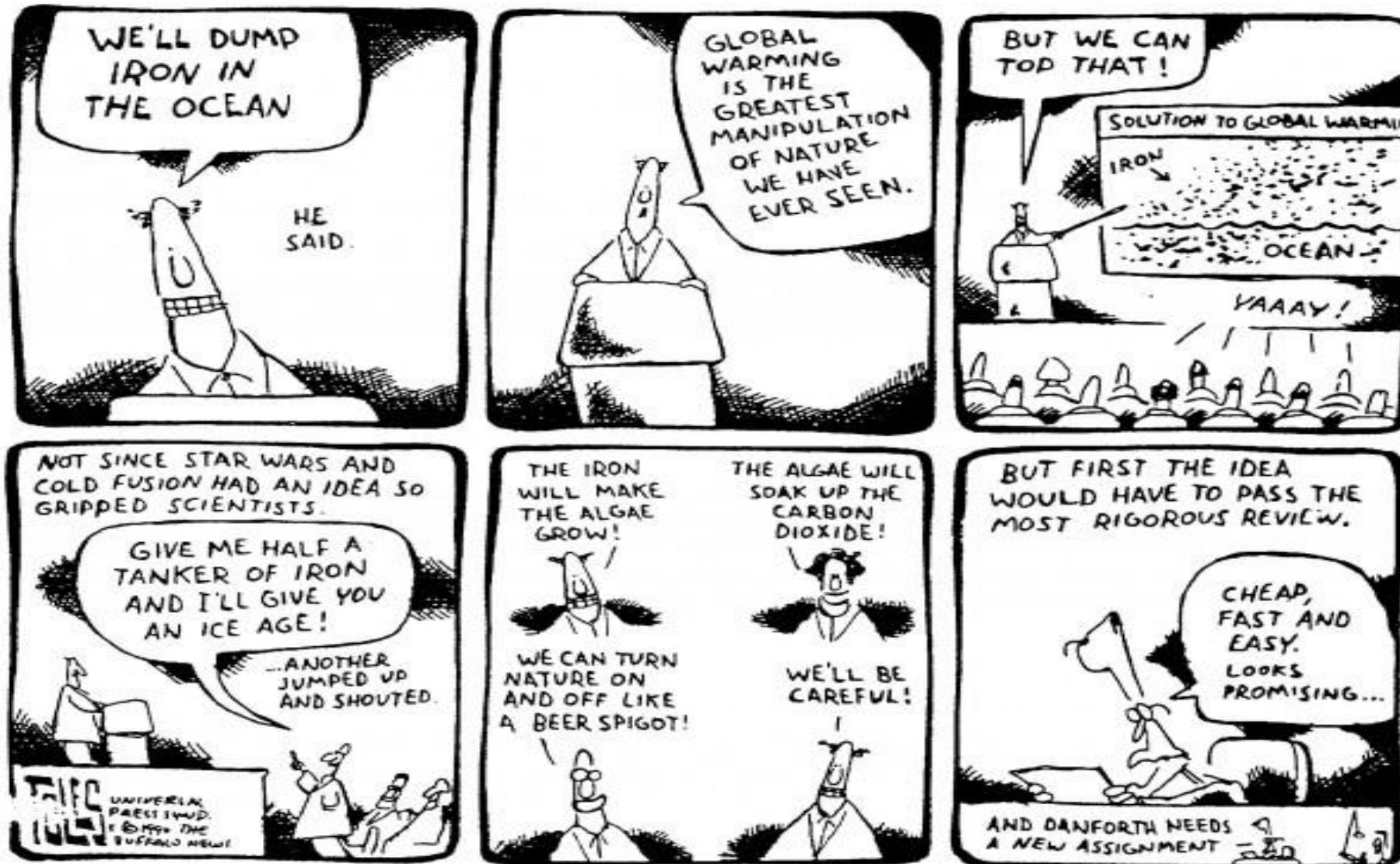
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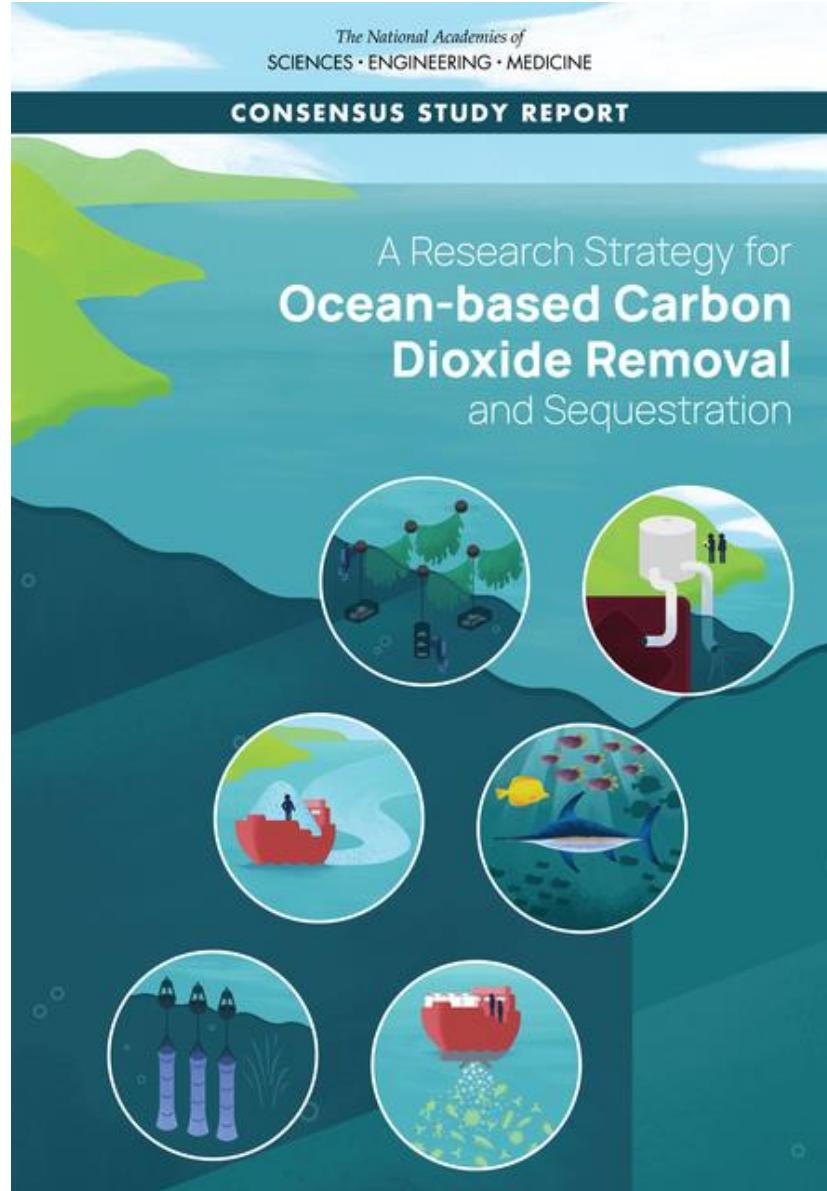
OPR Gained A Following At 1990 Ocean Science Conference



President George Bush #41 noticed Prof. John Martin's life's work on ocean iron.

He saw it as a Promising Solution to climate change and got the ball moving with what became hundreds of millions of research dollars.

US National Academy Of Science Report Feb 2022



National Academy of Science and Engineering issued this 350-page report about the Ocean's role in global Carbon Mitigation and Management.

After 50 years of federal funding of research, they do say, “we'd like some more please!”

We say, “We've got this, thanks for the decades of public science, it's time to deploy!”

A Few OPR Alaska Questions & Answers

What is Alaska's 'Carbon footprint'? - *It is just 35 million tonnes per year! A fraction of the carbon one OPR Ocean Pasture will convert into fish food each year. That means starting next year Alaska will be the first ZERO carbon state! USA's Carbon Footprint is 5 billion tonnes per year!*

How is CO2 harmful, isn't it plant food? - *Yes, it is plant food, but in the ocean today the ocean plants are disappearing fast. Those 35 million tonnes of CO2 emissions now become acid in Alaska's oceans! With OPR that same CO2 becomes hundreds of millions of fish!*

I thought we have more Salmon than ever? - *We surely have more Bristol Bay Sockeye, that's because their nursery lakes are ice-free more of the year due to global warming. But the fish are coming back smaller.*

A Few OPR Alaska Questions & Answers

Are the OPR plankton blooms going to turn into a health hazard, like RED Tides? - *Hazardous Algal Blooms are exclusively a nearshore coastal issue, our ocean pastures are hundreds of miles offshore, and never produce toxic species!*

I thought Salmon at sea are found mostly in the nearshore waters! - *The volcano Kasatochi and our OPR proof of principal pasture proved the distant open ocean is the most critical salmon habitat. Salmon add 95% of their body weight at sea.*

Do your ocean pastures only feed salmon? - *Good question, restoring ocean pastures to historic levels of health and abundance feeds all of ocean life!*

A Few OPR Alaska Questions & Answers

Can you restore the Kings and Chum to the Yukon Kuskokwim systems? - *We believe yes, those species don't come back to spawn for 4-5 years, we know they are starving at sea, we intend to work to bring them back to historic levels of health and abundance ASAP!*

Will OPR run into a storm of red tape that will delay it forever? - *The Nat. Acad of Science and Columbia Law School say absolutely NOT, they have declared that this beneficial work is perfectly lawful and legal!*

Isn't OPR opposed by the Green movement? *That is true as some Radical Green's claim, as OPR succeeds, we turn poisonous CO2 from fossil fuels into healthy plankton food for all of ocean life, our carbon credits will let hated 'Oil Barrons' off the hook!*

A Few OPR Alaska Questions & Answers

What is happening in other parts of the world? –
OPR is gaining international acceptance, our work is proceeding in 5 of the 7 seas! India declared it will deploy OPR as a national priority, the same just announced by Egypt. Many more nations are joining the OPR revolution.

What is OPR Alaska doing this year? - *We are fully engaged in business and science plans, including plenty of scientific data collection as we collect Before, During, and After... data on our ocean pastures. We're recruiting employees and have been operating our office in Kenai since early last year! Our state-of-the-art private research ship will soon be homeported in Alaska.*

A Few OPR Alaska Questions & Answers

Why Choose Alaska For Ocean Pasture Restoration?

