

To Whom It May Concern,

This proposal stems from my personal love for Oregon, her majestic Columbia River, and many hours of fly fishing from her banks.

The river, and its well-engineered system of dams and reservoirs is, of course, the natural resource that sustains the quality of human, plant, and animal life on both sides of the Gorge. This includes the multitude of farms and ranches that line the river shores and the thriving towns and cities that nestle in her coves.

Well-meaning environmental organizations have proposed the extreme measure of removing the entire dam system in a futile effort to protect a single endangered species. This is incredibly short-sighted in its disproportionate response to a simple problem. It is like cutting off your nose to spite your face. We propose that a more creative and less draconian solution be considered before irreversible damage be inflicted on a well-managed eco-system.

In addition to the quality-of-life issues, dam removal creates the unintended consequence of extreme environmental impact that has been overlooked. Removal of the dam system will most certainly devastate the recovering ecosystem of the estuary at the mouth of the Columbia River. Some species in the estuary are not coming back as fast as others and the cataclysmic disturbance proposed is likely to push some of *them* onto the endangered species list, thus creating more problems than it purports to resolve. This proposal offers the greatest probability of preserving all of the endangered species and is the only true environmentally sound solution.


[https://www.epa.gov/sites/default/files/2016-07/documents/estuary\\_report\\_2005\\_final.pdf](https://www.epa.gov/sites/default/files/2016-07/documents/estuary_report_2005_final.pdf)

Total cost of the dam removal project with its economic and environmental impact is estimated to be in the billions of dollars, compared to the attached proposal of barely over two million dollars.

We suggest instead a remarkably simple solution and propose a short-term pilot test on the Columbia that might then be transported onto other tributaries of the Snake River System.

Sincerely,

Dave White

A handwritten signature in black ink, appearing to read "Dave White", written in a cursive style.

## **I. EXECUTIVE SUMMARY**

The proposal aims to address declining salmon populations in Oregon's Columbia River by introducing innovative solutions to mitigate the threat posed by Sea Lions to the fish species without resorting to the extreme measure of dam removal. The project, spearheaded by ClimateChangeTruth.org, led by Professor Dave White, proposes the construction of stainless steel protective cages at the fish ladder access points to deter Sea Lion attacks on salmon.

This initiative offers a cost-effective approach, estimated at just over two million dollars, in contrast to the billions projected for dam removal. The plan involves fabrication and installation of specialized protective devices

(SPD), leveraging local companies' expertise, and adhering to stringent regulatory standards set by the U.S. Corp of Engineers.

The core issue addressed is the declining salmon population attributed primarily to Sea Lions encroaching into the river due to diminishing habitat and overfishing in international waters. The proposed solution will curtail Sea Lion predation with barriers at fish ladder access points, enabling salmon to navigate freely while effectively dissuading Sea Lion entry.

The project's success metrics include a significant increase in salmon survival rates and a behavioral shift in Sea Lions away from preying on fish. Moreover, post-construction plans involve a fishing moratorium to train Sea Lions away from river predation, ensuring the sustained effectiveness of the protective devices.

By adopting this innovative approach, the proposal seeks to safeguard endangered salmon species, preserve the ecosystem, and sustain the livelihoods of community's dependent on the Columbia River without resorting to environmentally and economically disruptive dam removal.

**II. PROJECT ORGANIZATION:** Organization: ClimateChangeTruth.org is a 501 C3 Research Corporation, headed by Professor Dave White of Portland, Oregon.

**A. Supervision:** Dave White, Director of ClimateChangeTruth.org

Dave White Is a Chemical Engineer with graduate studies in Statistics and a lifetime of experience in research science, Dave is far more than just another science teacher with a degree. His research is having an

international impact. He's currently working on exposing misconceptions surrounding Climate Change and focusing on the real problem. He has 30 years' experience since graduation in 1984, promoting environmental responsibility and health of all species. This wealth of practical experience enriches all of his classes and engages his students in factual science.

Dave's experiment on U.S. 26 East, just west of Portland, Oregon, shows that the forested area by the zoo is consuming all the carbon dioxide from 160,000 vehicles per day. The conclusion is that planting native shrubs and trees next to highways, plus or minus 50 degrees' latitude, will consume all the carbon dioxide emitted from the vehicles.

Dave's current research focus is on evaporation from the ocean, the effect of rain forest destruction on atmospheric CO<sub>2</sub> rise, and diffusion of CO<sub>2</sub> through the atmosphere. Climate Change Truth Inc. ([cctruth.org](http://cctruth.org)) reveals that the Intergovernmental Panel on Climate Change reports are inaccurate. His personal interaction with several governments has resulted in more than 40 billion trees planted due to the science he presented and some have stopped deforestation of their rainforest as a result. Already this has had a measurable impact worldwide and 10 billion more new trees are scheduled for planting in each of the next eight years.

During his tenure at Oregon State University Dave worked on a cross flow counter current scrubber for coal fired power plants. In 2007, Dave along with Dr. Tom Wallow produced a paper on ArF double patterning for semiconductors. This multi-patterning scheme is widely used in today's semiconductor manufacturing plants. In 2011, Dave started a consulting business for Semiconductors and in 2016 he launched Climate Change Truth, Inc.

Dave teaches Chemistry, Biology and Physics, in addition to medical ethics. He is passionate to share with students the truth behind the pandemic of junk science that plagues our world today.

**B. Fabrication:** Several local companies will be invited to submit bids for the task of fabricating the stainless steel protective "cages," depicted in the sketch below, and transporting them to the job site. Already we've

identified Cramer Fish Science as one qualified firm capable of consulting for fish and regulatory constraints and challenges.

Vice President Brad Cavallo, M.S., is their Principal Scientist with a B.S. in Fisheries Biology and M.S. in Aquatic Ecology. In initial discussions with Brad, Dave White ascertained that the company would be available to answer questions and are otherwise willing to help with the project.

**C. Installation:** Installation will proceed following a Corp of Engineers, Section 408 check currently scheduled for completion about June of 2025. Installation will most likely be accomplished by the fabricator, with an unspecified number of yet-to-be identified subcontractors called upon when necessary.

**D. Inspection:** U.S. Corp of Engineers inspectors will be called upon to ensure that the project meets all design and construction standards.

### **III. STATEMENT OF PROBLEM**

In recent years a reduction in population of several species of salmon have been noted, with some approaching extinction levels. These include 14 population groups of Steelhead and Chinook, Coho, Chum, and Sockeye Salmon in Washington State are listed as threatened or endangered under the Endangered Species Act.

Rather than launching a thorough evaluation of the problem based on proven scientific methodologies, the draconian “solution” of several environmental groups is being pursued in the Courts. That solution is complete removal of the dam system. This ill-conceived approach

threatens to disrupt the entire eco-system, which includes not only thriving plant and animal species, but also human populations that nurture the system and depend on it for their very existence. The punitive threat to the economic, financial, and material well-being of the entire region is virtually incalculable.

Nearly everybody familiar with the gorge recognizes that the cause of the declining salmon populations are the Sea Lions who have no good reason for being in the River.

For example, Dave White was a long-time friend of Steve Cramer of Cramer Fish Sciences, who was one of the game wardens on the river prior to his demise. Steve clearly recognized that the issues with the Salmon in the Columbia River, while they may be multivariate to some extent, are primarily the result of the encroaching Sea Lions. Due to over-fishing in international waters, Sea Lions and their declining spawning habitat are reduced, thus inviting them to search for “greener pastures.”

Virtually all fishermen have experienced the frustration of reeling in a Salmon only to discover that a Sea Lion has robbed their catch before it reaches shore. Making matters worse, a few Sea Lions will lie in wait at the base of the Fish Ladders and help themselves to the hapless Salmon who enter the narrow passage. When one is full another takes his place.

Even though there are five ladders, the current method of using a screen to block the sea lions from entering the ladder system is insufficient for the job. A relatively small number of Sea Lions easily block the screen and feast on the salmon.

<https://stateofsalmon.wa.gov/executive-summary/salmon-status/>

**IV. GOALS & OBJECTIVES** The goal of the project is resolve the problem by constructing five stainless steel cage devices at the foot of the fish ladder as illustrated in the sketch below. These will be capable of enabling 95% all salmon species to avoid the fatal sea lion attacks by:

A. Increasing the percentage of fish evading fatal Sea Lion attack by 95 percent

B. Utilizing behavior modification techniques to permanently train Sea Lions to stay out of the river by effectively eliminating their food supply.

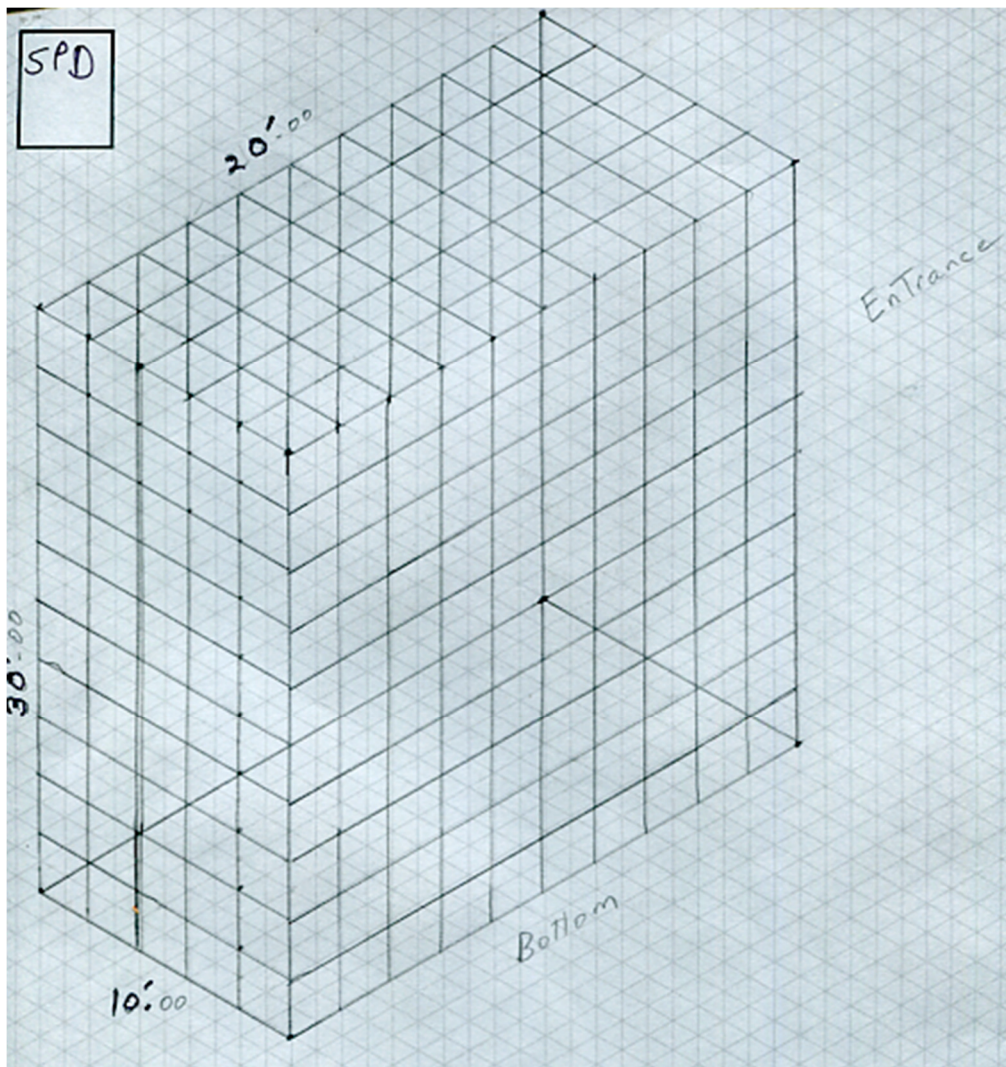
## **V. DESIGN METHODS & STRATEGIES**

Our proposal is to install a Salmon Protection Device (SPD) at the foot of each ladder to prevent Sea Lions from eating Salmon as they enter the west end of each fish ladder access point at Bonneville Dam. The salmon have been using these fish ladders since prior to 1950 and they have learned to enter each fish ladder at the access points. Currently the access points are a relatively narrow 20 feet wide, although they are about 30 feet deep below the ladder access point. That's where the Sea Lions hang out.

The access points currently have screens which prevent the Sea Lions from entering the fish ladder, but these are inadequate for the task. The Sea Lions have also figured out the entrance points. They wait at the entrance to the fish ladder and gorge themselves. When one is done the next one replaces it and continues eating. This is well known. Many sea lions can cover the screens and prevent the salmon from entering or exiting the access point.

The current design is two-dimensional. Our SPD is multi-dimensional.

The unit is 20 feet wide to match the width of the fish ladders to which they are permanently secured. The unit extends 10 feet out and an estimated 30 feet down to rest on solid bedrock below. The 3/8" stainless steel rods are welded to industry standards in 2-foot square "windows" that enable the fish to easily evade the sea lions who are too big to enter the cage.



<https://stateofsalmon.wa.gov/executive-summary/salmon-status/>

Today, 14 population groups of steelhead and Chinook, coho, chum, and sockeye salmon in Washington State are listed as threatened or endangered under the Endangered Species Act.



## **VI. PROJECT EVALUATION**

The actual installation will be conducted according to the latest construction standards under USC and subject to inspection by the Corp of Engineers associated with the Bonneville Dam. Each phase of construction will of course be inspected by the Corp as well. We will ascertain by inspection the number of fish successfully negotiating the ladders before construction and in accordance with a strategic timeline following installation.

## **VII. SUSTAINABILITY**

After the Salmon Protection Devices are installed we will ask ODFW and WDFW for a Columbia River salmon fishing moratorium. This way the Sea lions will return to the ocean when their easy food supply is removed.

Initial Draft Drawing.

Following construction, we propose a 3-year moratorium on bank fishing to train the Sea Lions not to expect any more easy meals and thus modify their behavior to stay out of the river. The moratorium will be enforced by ODFW and WDFW

## **VIII. PROJECT BUDGET**

Total \$2,140, 000

See budget document to construct five SPD's.

----- Forwarded Message -----

**Subject:**ALEX BAUMHARDT

**Date:**Tue, 26 Dec 2023 21:56:37 -0800

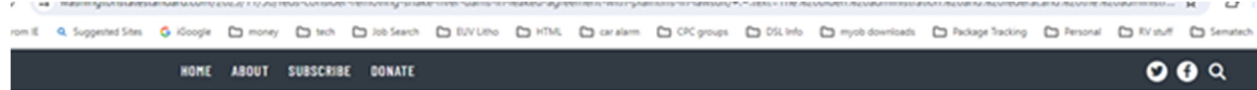
**From:**Professor Dave White [hymarkacademy.us](mailto:hymarkacademy.us)

[<professordavewhite@gmail.com>](mailto:professordavewhite@gmail.com)

**Reply-To:**[professordavewhite@gmail.com](mailto:professordavewhite@gmail.com)

**To:**[info@washingtonstatestandard.com](mailto:info@washingtonstatestandard.com)

<https://washingtonstatestandard.com/2023/11/30/feds-consider-removing-snake-river-dams-in-leaked-agreement-with-plaintiffs-in-lawsuit/#:~:text=The%20Biden%20administration%20and%20federal,and%20the%20administration's%20environmental%20council.>



ENVIRONMENT

## Feds consider removing Snake River dams in leaked agreement with plaintiffs in lawsuit

Federal scientists say there is a high likelihood of extinction for 13 Columbia Basin salmon and steelhead runs without immediate attention.

BY: ALEX BAUMHARDT - NOVEMBER 30, 2023 8:00 AM



Any question please call 503-608-7611

**Contact info:**

**Prof Dave White**

**18965 NW Illahe St Portland, Or 97229**

- **Phone number 503-608-7611**
- **[research@cctruth.org](mailto:research@cctruth.org)**
- **Applicant/Agent type 501C3 nonprofit research Corp.**
- **Applicant rep (indicate one: Researcher of climate change truth)**

Applicant is a Veteran and was 11 Bravo in the Army

Website salmonprotectiondevice.com

**Project information:**

- Location of proposed work Bonneville Dam fish ladder west end
- Latitude 45.644284N
- Longitude 121.940637W
- Google Maps link

[https://earth.google.com/web/search/Bonneville+Dam,+Cascade+Locks,+OR/@45.64573858,-121.94104663,5.58965253a,562.54536827d,35y,360h,0t,0r/data=CigiJgokCTjnUfZH5UZAecELDqLh10ZAGVRYmatOS17AIVyJ\\_uFXF7AOgMKATA](https://earth.google.com/web/search/Bonneville+Dam,+Cascade+Locks,+OR/@45.64573858,-121.94104663,5.58965253a,562.54536827d,35y,360h,0t,0r/data=CigiJgokCTjnUfZH5UZAecELDqLh10ZAGVRYmatOS17AIVyJ_uFXF7AOgMKATA)

- Describe the proposed project: Construct a stainless steel 316 cage with holes for salmon to enter or exit the entrance of the fish ladder west end without being eaten by Sea Lyons. This cage

will be welded to the fish ladder west end and have legs to support it.

- Is it a levee project? No

If yes, what is the diking district's name and contact information?

Check the [National Levee Database](#) to find your diking district.

If the diking district is inactive, state "inactive."

- Have you contacted the diking district about your project?
- Have you contacted the Portland District Regulatory Office? Yes  
If yes, who is the Regulatory Project Manager?
- Current land ownership Federal
- Section township range
- Work type (indicate one: New construction
- Other work type (if other work type, explain)

Bcc: [Robert.H.Fraley@usace.army.mil](mailto:Robert.H.Fraley@usace.army.mil)

[Kinsey.M.Friesen@usace.army.mil](mailto:Kinsey.M.Friesen@usace.army.mil)

[PortlandRegulatory@usace.army.mil](mailto:PortlandRegulatory@usace.army.mil)

Consulting with Cramer Fish Sciences

<https://www.fishsciences.net/>

A handwritten signature in black ink, appearing to read "Dallan".