

## Save Our wild Salmon Coalition

Attached is a letter addressed to Director Bellon and Program Manager Heather Bartlett at the Department of Ecology, signed by more than 1,000 individuals, asking that the Department increase total dissolved gas standards in the Columbia and Snake Rivers to 125% in a single step, in time for the 2019 juvenile salmon out-migration that begins in early Spring.

If you have any questions about this, please contact:  
Joseph Bogaard, [joseph@wildsalmon.org](mailto:joseph@wildsalmon.org), 206-300-1003. Thank you.

*Below is a letter addressed to Director Bellon and Program Manager Heather Bartlett at the Department of Ecology, signed by more than 1,000 individuals, asking that the Department increase total dissolved gas standards in the Columbia and Snake Rivers to 125% in a single step, in time for the 2019 juvenile salmon out-migration that begins in early Spring.*

*If you have any questions about this, please contact: Joseph Bogaard, [joseph@wildsalmon.org](mailto:joseph@wildsalmon.org), 206-300-1003. Thank you.*

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February 28, 2019

Maia Bellon, Director  
Heather Bartlett, Water Quality Program Manager  
Washington State Department of Ecology  
P.O. Box 47600  
Olympia, WA 98504-7600

**Re: Comments on Draft EIS for Short-term Modification of Total Dissolved Gas Standards for Federal Dams on the Lower Snake and Lower Columbia Rivers**

Dear Director Bellon and Program Manager Bartlett:

Southern Resident orcas are one of the most endangered marine mammals in the world. The chinook salmon populations these whales once relied on, particularly those in the Columbia-Snake River Basin, are just a remnant of their former levels, leaving these whales with far less food to eat. Columbia and Snake river chinook were once the largest and most abundant salmon anywhere on the west coast, providing Southern Residents with a critical winter food source at a time when there are few other salmon available.

The decline of salmon across the Northwest is complex, but perhaps the most significant degradation of salmon habitat has been the damming of its rivers. Dams and their reservoirs slow adult and juvenile salmon migration, making them increasingly susceptible to predation and lethally warm water. Large reservoirs on the Columbia and Snake rivers make it difficult for young salmon to quickly and safely migrate to the ocean where they can mature into adults. A highly effective near-term step to alleviate at least part of this problem is to increase the amount of water spilled over the federal dams in the Columbia Basin. Decades of scientific research and observation has shown that spill is the safest way for juveniles to migrate past dams and reservoirs to the ocean and that higher levels of spill result in larger adult salmon returns in subsequent years. For over two decades, Washington's total dissolved gas (TDG) standards, which limit the amount of water that can be spilled, have been overly conservative and harmed salmon survival.

The best available science suggests that eliminating the 115% forebay TDG standard as you propose and immediately increasing the tailrace TDG standards to 125% will maximize the benefits of spill without negatively impacting other species or the environment. Spilling up to this level is estimated to result in hundreds of thousands more adult salmon, making spill one of the most effective near-term actions the state can take to provide more food for orcas. Your department has proposed increasing tailrace TDG standards to only 120% for this spring's out-migration. While this increase may provide very modest help to juvenile salmon en route to the ocean, there is no reason not to raise TDG standards to 125% immediately. The scientific evidence that this level of TDG, especially implemented flexibly as proposed, will not harm juvenile salmon or other aquatic life.

More than 20 years of empirical data about the effects of dissolved gas on salmon support this conclusion. This data warrants action now to raise TDG standards to 125%.

Southern resident orcas are starving to death and are unable to find enough food to survive and successfully raise new calves. This situation requires an emergency response. I strongly urge you to increase the state's TDG standards to 125% in time for the 2019 outmigration and for 2020 and 2021 as well.

Sincerely,

Lisandre	Lyon	CA	90740
Carol	Pearsall	OR	97364
Joseph	Bogaard	WA	98070
Rose	Norberg	WA	98370
Brian	Cochran	OR	97756
James	Hood	OK	74011
rick	wieloh	WY	83001
Miguel	Ramos	WA	98248
Steve	Iverson	CA	92660
Richard	Johnson	WA	98227
Claire	Cohen	OR	97034
Javier	Rivera	NY	11249
Robin	Schaef	PA	16327
Joe	Arenales	WA	98107
Robin	Schaef	PA	16327
Caroline	Armon	WA	98250
Alice	Wong	CA	91776
Sunny	Thompson	WA	98304
Jodi	Rodar	MA	01108
Judith	Scher	ME	04062
Ryan	Beck	WA	98133

It is important to save the whales!

the Pacific Northwest needs their salmon both for the ecosystems and the people that live in and depend their resources. The Orcas will be gone if you don't act soon. thank you for your consideration. Neal Krug

Neal	Krug	AZ	85621
Sandy	Zelasko	CA	92082
Paul	Ramos	CA	93460
valerie	ANDERSON	CA	90046
Daniel	Soulas	AK	33200
Adam	Deer	WA	98119
andrew	luk	wa	98199
Daniel	Soulas	AK	33200

Protect every species...Everywhere!!!

This is so important to all Americans, not just those in the PNW. Keeping up the salmon fisheries helps the orcas, and fisherman, and even help to fertilize the forests far inland (who knew???). When the dams were built, the ecosystems were intact and we had no idea the widespread destruction that was possible from them. Now we know. Do what you can, Increase dam flow this year, and bring down some of those dams in the future! Thank you!!!

Cheryl	Ritenbaugh	OR	97135
Mary	Dilles	WA	98368
Patty	Navarrete	NM	87571
Chris	Stay	WA	98020
Paul	Russell	NY	12472

Please don't be the generation responsible for their extinction....

Erinn	Carey	WA	98335
Kelly	Riley	PA	19440
Blaine	Ackley	OR	97124

Please protect the voiceless, their starvation and suffering should be reminded every time you eat your next meal

Kathy	Kim	CA	91789
Paul	Rickerson	OR	97520
Annemarie	Brown	CA	92037
Elaine	Packard	WA	98122
Brian	Paradise	FL	32082
Bob	Steininger	PA	19460

Let us not be responsible for the extinction of a species so dear to us

We have known about the decline in salmon population and how it would affect the local Orca population since the 1970s, and now we are at that critical moment that if we don't do something now, we will lose that population. The Orcas are part of the northwest and I believe should be saved at any cost. Once the dams are breached, there may be a human toll that needs to be addressed, but it is now or never for those Orcas.

Jordan	Anderson	WA	98028
Scott	Tucker	NC	27612
Diane	Chang	WA	98052
Norm	Mundhenk	CA	91001
Mark	Bradley	WA	98122
Eric	Fournier	MA	02453
Laura	Ackerman	WA	99224
Barbara	Aronowitz	ID	83455
Mark	Lane	TX	77043
thomas	cooney	PA	18702
Anna	Gullickson	WA	98815
Shane	Milburn	OR	97035
Crista	Worthy	ID	83714

PLEASE!!!

Please save the whales and the salmon runs. The country and the world need this to work. Please set an example for the world. Start with the increased spill and follow up with removal of dams. Thanks.

Mark	Bruner	ID	83661
John	Walton	CA	95445
sandra	lane	TX	78028
John	Peppel	WA	98225
Tracy	Kessler	WA	98146

As a custom builder of aluminum fishing boats as well as an avid angler I wholeheartedly support requiring spill at the dams

James	Mickel	OR	97004
Whitney	Neugebauer	WA	98011
Steven	Hawley	OR	97031
Howe	Crockett	WA	98682
Natalie	Magnus	ID	83843
David	Jaffe	OR	97225
Julia	Paulsen	WA	98115
John	Watts	WA	98368

These water quality steps are reasonable and should be implemented.

Peter	Hamilton	WA	98281	Lack of food is agreed by governments and proven by science as one of the main threats to the survival of the SRKWs. If you do not act now they will not survive!
Richard	Hieber	Non e	87700	
Eric	Burr	WA	98833	Please read Wolves in the Land Of Salmon by David Muskowitz Please coalesce your knowledge to create policies to preserve and protect orcas and salmon and to design and implement adaptive dams.
GRACE	NORDHOFF	WA	98115	
Helene	Bank	MA	02139	
Karen	Fabiane	NY	12301	
Robert H.	Feuchter	NY	11432	
Michael	O'Leary	OR	97215	
Darrell	Johnson	WA	98333	
ERIC	POLCZYNSKI	CO	81147	
Emily	Stephens	WA	98506	
Jessie	Bacon	MO	63122	
Aldo	Leiva	TX	78729	Protecting our wildlife is preserving our place on the earth too!
Chris	Lima	ID	83544	
Paul	Daniello	NH	03446	Salmon are the icons of Washington and Oregon. Let's give them a chance. The science is in. The dams harm salmon. The lower dams on the Snake River MUST COME DOWN. There are no alternatives if we are going to save the Pacific Orca's We need to do everything we can to support and protect our endangered wildlife. Our oceans connect us all. Ocean life impacts all of the world.
Pamela	Parks	OR	97401	I strongly support actions to recover imperiled species like salmon and orca.
Alix	Keast	NY	10025	it is a Reality
Kristeen	Penrod	WA	98199	
Amy	Grappone	WA	98110	
Rebecca	Muzychka	FL	33304	
Angie	Dixon	WA	98236	
James	Clark	WA	98258	
John	Woolley	WA	98382	
Walter	Tingle	MD	21035	
Mark M	Giese	WI	53403	
George	Bedirian	WA	99163	
Shel	Grove	DC	20015	
Matt	Deam	CO	81621	

Frank Klug CA 95008  
Brian Forth WA 98513

Thank You Please save the salmon and the Orcas

James L Maves WA 99347  
Richard Basch OR 97214

If you are in the department of ecology, please start acting like it and protect our ecology! The proper and right thing to do in that regard is to get rid of those four damn Snake River dams. Please respond to this environmental emergency by providing more salmon through a dam spill now.

Thom Peters WA 98290

Bernadette Methven NJ 08904

Alan Poplawsky ID 83843

Gregg Larson WA 98020

Orcas can't wait, act now!

Patricia Haworth MN 48103

Kate Busby OR 97214

Marcia Godich PA 15085

Michelle Maki WA 98199

Kathe Garbrick KS 66503

Lauren Devine FL 33486

s smiths IN 46703

Carol Storthz AR 72202

Ian Shelley OR 97225

Reese Bender OR 97411

Delaine Splisbury NV 89318

Sandra Joos OR 97239

Susan Fitzhugh WA 98070

Ramsay Kieffer DE 19952

Please help save our orcas. I don't want to lose them in my lifetime or my niece and nephews' lifetimes.

Randi Eicher WA 98103

Pam Clark CA 94558

William Blair ID 83709

I stood in the water in Anchorage, Alaska, and watched the salmon running there. It must be protected.

Jacob R. Raitt CT 06605

Donna Knipp NY 10034

Larry Anderson MI 48135

It is do or die, and we need to buy time for the orcas.

Cyrus Christenson WA 98116

Science strongly indicates that providing spill up to the 125% level will improve juvenile survival through the FCRPS.

Steve Pettit ID 83535

Paul Hunrichs CA 92071

Scott Kozoll IL 60618

Anne	Remaley	WA	99163	Please implement these measures and look for long-term systemic solutions for restoring salmon.
Claudia				
Lee	Miller	WA	98844	
Aleks	Kosowicz	WI	54843	
Norman	Baker	WA	98382	
Edwin	Quigley	AL	35661	
Angela	Moran	WA	98075	
Tina	Embree	WA	98056	Without enough food, any other measures are irrelevant. This needs to happen.
Adam	Kaufman	WA	98862	
Laura	Long	IL	60616	
Deborah	Crohn	OR	97213	It will take years and years to remove the lower Snake River damns. Action is needed now in order to have any hope of the Orcas surviving.
Joy	Wang	WA	98006	
Pamela	Bly	ID	83706	There is no choice ... we must save our Salmon for both the Orcas and human kind. Here to help. Pam Bly
Dick	Daniels	WA	98370	Act now. It may already be too late to stop the long term decline of this iconic, beautiful whale.
Sandra	Fucigna	MD	20814	
Marianne	Nelson	OR	97202	
Eileen	Reid	OR	97224	
luise	bolleber	MI	49684	Please do what you can to help orcas immediately. They can't wait for more studies or political hand wringing.
Tom	Iverson	OR	97219	Please act on this important decision for both the Orcas and Snake River salmon. Without this action, we will not have the knowledge and information to protect these important species.
Pam	Borso	WA	98240	
Joshua	Olson	ID	83703	
Paul	Hunrichs	CA	92071	
Harry	Reid	OR	97224	Please do the right thing and increase spill for our salmon and orca. Thank you!
Jim	Dickinson	WA	98121	
Amy	Gulick	WA	98236	Salmon, orcas, and people: we are all connected. When one of us suffers, we all suffer. We don't need to continue to study the issue. We know what the problems are and we know what needs to happen. Act now for the future.
Clifford	Trolin	WA	98368	



ROBERT	BOLAND	MT	59401	Bob Boland
Sarah	Bauman	NE	68502	
Erin	Updegrove	WA	98406	
Mary	Nunan	NY	10024	
Daniel	Roper	ID	83301	
William	Anderson	PA	19072	
Lawrence	Crowley	CO	80027	
James	Loacker	OR	97130	

STEPHANI

E	MCLAUGHLIN	HI	96789
Jenny	Heinz	NY	10024
Jen	Matthews	OR	97402
Elizabeth	Hurst	VA	22301
Lee	Gibson	TX	75206
Michael	Cochran	WA	99031
David	Linn	WA	98569

Breach the dams...or your legacy will be the extinction of the Southern Residents and possible the salmon.

Reverend			
jane	Eagle	CA	95444
Leonard	Elliott	WA	98002
Gordon	Ehrman	CA	94904
Leonard	Elliott	WA	98002
Michelle	Leggore	CA	95814
Alis	Kurt	CA	91011
Benjamin	Thompson	DC	20008
Linda	Stein	CA	94610

This increased spill, as well as Lower Snake dam removal, is long overdue. Please change the relevant rules to allow more spill for the April 2019 spring chinook out migration. Thanks.

Peter	Hapke	WA	98144
roy	fuller	NY	12032
julie	gallichotte	WA	98199
James	Wong	CA	94133
Carol	Yost	NY	10011
David	Hohler	OR	97330
James	Wong	CA	94133
Mary	Higgins	WA	98043
Shawn	McMurdo	CA	95060
Adam	Blumenthal	PA	15220

I'm sure you realize that we are late to this solution and must move with the greatest speed and diligence. The Southern pod's demise is not an isolated event and reflects our great environmental problems.

Annie	Roberts	WA	98070
Lorelette	Knowles	WA	98033

Marguery Lee	Zucker	OR	97403	The Lower Snake River dams were a bad deal economically in 1945 when they were authorized, a worse deal when the last of the dams went on line in 1975, and a startling costly arrangement, requiring numerous subsidies, 45 years later. The state of Washington needs to support their expeditious removal, which two decades-old studies showed to be economically affordable.
Michael Wesley	Blumm Banks	OR WA	97035 98666	
RICHARD M. E. Ernst	AMERLING Braun Mecke	CT OR ot	06443 97330 00150	I support the analysis and these recommendations made by Save Our wild Salmon.
Steven arvia	Macdonald morris	WA WA	98070 98105	
judy Robert John Stacey	dutil Burnett Gieser Bradley	CA CO WA PA	95033 81224 98117 16646	Unbelievable, we've deprived these species for so long. Is humanity so gone?  Our rivers are the modern day commons, belonging to all of us. Collapse of our Snake River salmon and steelhead is already happening. Collapse is extinction in slow motion.
Linwood Craig Ben	Laughy Beach Basin	ID MD OR	83843 21136 97214	
Ingmar Amanda	Saberi Grondin	WA WA	99163 98368	I can think of very few things that are more important to me than the restoration of ecosystems in the Northwest, especially stream and river habitats. The culture of the Northwest is inseparable from its nature, which is one of the most beautiful and bountiful anywhere on Earth. Speaking narrowly, the value that restored fisheries would provide to Northwest communities enormously exceeds the benefits that current dam infrastructure can deliver. More broadly, though, the health of the natural system of which we are a part is the true measure of the value of any action.

Dan Sherwood OR 97214  
MaryAnn Linehan PA 19087

We have a long way to go and little time to restore species who are critically endangered.

Gerry Milliken AZ 86326  
Bridget LaNoir NY 12801  
James Long FL 33461  
Richard Spotts UT 84790

We are running out of time to save the orcas. Act. Now. Please.

jonette bronson CO 81435

Mark Lewandowski WA 98223  
T. Acuna CA 90230

Jeremy  
Nathan Marks MD 20853  
Monica Gilman OR 97024  
Joshua Heffron NY 10028  
Patricia Chelmecki IL 60119  
Jay Humphrey OR 97023

Save our Salmon

Salmon is a keystone species in the Columbia River Basin. The result of its demise would be a tragedy for the Northwest and for many other species (at this date, particularly Orca, but with many other plants and animals also involved in the Basin). Restore NW rivers and make provision for the needed additional spill at dams.

W.  
Thomas Soeldner WA 99036  
Christel Markevich CO 80466  
David Lamiquiz AZ 85719  
Jeff Renner WA 98104  
Philip McMorrow CA 91107

We cannot let our Southern Pod of Orcas continue to live in such dangerous conditions.

Luan Pinson WA 98664  
Susanne Mayr CO 80220

I am an avid sport fisher but I recognize if we don't act NOW to nurture our resources we won't have them to pass on to our children. We need to increase the spill, improve the water temperature, reduce or temporarily halt fishing (all), improve habitat, and move to other forms of energy to keep this vital piece of our identity.

Maureen Carlson WA 98014  
Jose de Arteaga DC 20020  
Chris Moore CO 80210  
Nina Richards WA 98362  
d marancik CA 95125  
Lorraine Foster OR 97202

Borg	Hendrickson	ID	83843
Barbara	Orr	WA	98499
JL	Charrier	MN	55391
Lowell	Young	CA	95338
R. A.	Larson	WA	98274
Francis	Schwinger	WA	98146
Mike	Seyfried	NV	89005
Kevin	Fistanic	CA	90066
Chuck	Rohrer	WA	98102

Even though I am not a Washington resident I have going to Washington for one outdoor sports activity or another for over 30 years. Orca's have been one attraction, so Washington rivers and salmon are truly part of my life.

Hank	Werner	OR	97071
Michelle	MacKenzie	CA	94025
Bob	Triggs	WA	98368

Please we need to remove the dams and restore the rivers and salmon populations! In the mean time, please do everything to can to feed the starving Orcas. Thank you.

Mary	Hahn	WI	53588
Anton	Feokhari	NY	11229

Marc	Chytilo	CA	93105
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Restoring salmon runs, and all that this requires, has multiple community and ecosystem benefits. I enjoy traveling to Washington is to see the Southern resident killer whales. I don't want Washington to lose these magnificent sentient creatures. Please take definitive action to increase spill over the dams in the salmon habitats to help salmon populations recover and to help the Southern resident killer whales.

Gail	Koza	CA	94019
Maureen	O'Neal	OR	97223
Michael	Garten	WA	98103
Richard	Ting	WA	98105
Richard	Ting	WA	98105
Jeff	Tatom	OR	97526
Alex	Samarin	OR	97703
Teri	Wright	WA	98365
Don	Abing	OR	97103
Jennifer	Lezak	TX	77479
Ben	Basar	IL	60134
Linda	Romero	WA	98034
John	Wetherbee	WY	82401
Gary	Cook	OR	97405
Gary	Cook	OR	97405

Gary	Cook	OR	97405
Theresa	Terhark	MN	55109
Gary	Grube	CA	94588
Diane	Sullivan	WA	98277
Reed	Dils	CO	81211
Susan	Ellerman	MT	59802
David	Winters	WA	98368
Wayne	Heckman	CA	95482

Salmon are the keystone species of Pacific Northwest ecosystems - we need them just as much as they need us. Please help them.

Lindsay	Taylor	WA	98225
Mara	Bohman	WA	98028
john	musselman	KY	40059

Please don't push this under the rug. The PNW Orca's need our help or there is not going to be anymore of them.

Martine	Felts	WA	98221
Kara	Stucker	WA	99021
Elise	Adibi	PA	15217

We must do all we can to protect the animals of the oceans as the oceans are huge ecosystems and the animals that live there are vital to the health of the oceans. Life on this planet will cease to exist as we know it if we do not have healthy, functioning ecosystems.

Jo Anna	Hebberger	IA	50312
Lee	Haines	WA	98418
Dan	Esposito	CA	90266
Barbara	Bernstein	OR	97202
Mark	Wheeler	OR	97215

It is foolish to ignore the health of our ecosystem. We depend on this planet for our survival and there is a point at which we must look at the long term health a

Dennis	Brown	OR	97402
Karlan	Kamerer	OH	44302

The health of the oceans determines the health of the whole planet - it's all one chain. Please protect!

Virginia	Douglas	OH	44035
Joan	LaBow	WA	98052
Linda	Ball	WA	98116
Justin	Boucher	OR	97202
Roy	O'Connor	MT	59802

Ann	Christensen	ID	83340
Ann	Bates	WA	98112
Sara	King	WA	98092

				Until the Snake River dams are gone migrating salmon need water spilled. What is so difficult to understand? The ecology of the northwest, fish and orcas, deserve better than this. Spill.
Marc	Fleisher	ID	83843	
Rebecca	Rose	WA	98155	
Richard	Simis	MD	21903	Spill
David	Edwards	WA	98506	
Rhonda D.	Wright, MD	GA	30319	
Frank	Ackerman	CA	94595	Prevent the decline of Pacific Salmon NOW.
Laurie	Gogic	WA	98034	
	McMath.Walt			
Moina	on	OR	97326	
Lisa	Reddick	WA	98020	
Michael	Denton	CA	94578	
Laura	Lundgren	WA	98112	Please, please help!
Mona	Young	MA	01257	
Joan	Walker	CA	93514	
Bob	Karcich	OR	97504	
MaryAnna	Foskett	MA	02476	
Derek	Gendvil	NV	89117	
Ann	Pryich	WA	98273	
Kirk	Rhoads	AR	72653	
Yvonne	Kuperberg	WA	98070	The ecosystem needs the orcas and the orcas need our help. Please help save the orcas by protecting their food!
Janie	Chodosh	NM	87501	
K	Jackson	OR	97124	
Linda	Wright	WA	98121	
				Please increase WA TDG standards to 125% in time for the 2019 outmigration of fish Same for 2020 & 2021. These mammals are too important in the marine ecosystem. Thank you Thank you
Harrison	Hilbert	ID	83204	
Vernon	Homolka	CA	94591	
mary beth	moser	WA	98070	
Alisha	Douglas	WA	98365	
Ken	Cowart	CA	95062	Please allow them to spill more water so the salmon and orcas survive!
Donna	Fabiano	CA	95436	
Mark	Timken	WA	98070	
Michael	Felber	WA	98368	
Robert	Teister	WA	98053	
Carol	Wasielewski	MI	48133	
andre	entermann	WA	98261	

				Scientific data matters. Please make the changes to the TDG standards so that spills can increase at the dams. I'm old, so I remember Snake River salmon in places they don't show up in now, so besides caring about the science, my heart also knows that healthy salmon runs mean that we are taking care of our watersheds. We have messed up in the past. We can at least take meaningful steps now towards sensible water management.
Margaret tom	Clabby Kovalicky	AK ID	99901 83530	Its our Future and Heritage
Patricia	Jennings	MA	01890	
Jon	Jauch	FL	33411	
Anna Evelyn	Jasiukiewicz Fraser	ot DC	63-400 20018	
Amelia	Turnell	WA	98501	Please this is one of the most important things we could do for the Orcas right away that will make an impact. Additionally, some humans also are not getting enough salmon! Farmed salmon makes me sick. The whole WORLD needs more wild salmon. choose love,
tina	juarez	CA	94609	
Kayley	Swan	WA	98122	
Amelia	Turnell	WA	98501	Please approve this. It is so important.
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Amelia	Turnell	WA	98501	Please approve this. It is so important.
Amelia	Turnell	WA	98501	Please approve this. It is so important.
Juliann	Rule	MN	56310	
Rebekah	Yusko	WA	98406	
Paul	Vesper	CA	94703	
Cindy	Charles	CA	94107	
Mikki	Chalker	NY	13905	
Thomas	Brady	WA	99208	Salmon are the critical species for the Washington state ecosystem and for the economy. Climate change will soon trump most issues in front of this generation. This is a good step in the right direction.
Larry	Franks	WA	98027	We humans, in our numbers of 7.6+ billion and rising, are rapidly destroying many habitats, including right here in 'green' Washington state. It just seems a no-brainer to do EVERYTHING we can to help our relatives and friends, the southern resident killer whales. Increase dam spill for 2019-2021!
Joshua	Diamond	WA	98503	

				PLEASE... sAVE THESE MAJESTIC ANIMALS.
mark	caso	FL	33755	PLEASE... DO THE RIGHT THING.
Murlin	Goeken	CO	80222	
Brian	Gibbons	MD	20770	
Hilary	Bates	MT	59833	Free the Snake!!!
George	Ben	AK	99705	
Pat	Hanbury	NV	89506	
Lawrence	Novak	IL	60016	Wild Salmon forever
Lela	Perkins	WA	98208	
Lela	Perkins	WA	98208	
Karen	Springer	OR	97225	
Beth	Stanberry	NC	28802	
Shambhavi	Taylor	WA	98125	
Chris	Cottrell	WA	98136	We have to act like this is a crisis because it is. Take bold action now Protect the ecology of the Northwest by restoring the rivers. The salmon populations will thrive if we let nature take over. Save the magnificent orcas!
Carolyn	Clark	FL	33629	
Joan	Weiner	CA	94960	please, killing sea lions isn't the way to go about increasing salmon availability for orcas.
Kathleen	Schaeffer	OR	97381	
Christina	Osborn	CA	93402	
Jennifer	Wittlinger	CO	80487	
Brian	Morton	WA	98208	
				As a WA State resident, I ask the WA Dept of Ecology to improve its water quality rules in early 2019 to allow higher levels of spill for the sake of endangered salmon and starving orca. Governor Inslee needs to see strong public support for his leadership. We need to increase spill now – while we continue to make progress to remove four costly dams and restore a healthy lower Snake River and open up access to more than 5,000 miles of pristine, protected salmon habitat upstream.
Barbara	Phinney	WA	98133	
Jeannie	Dolan	ID	83823	
Olga	Kachook	WA	98037	
			V7L	
Tara	Atkinson	BC	1H6	
MaryJo	Fontenot	WA	99362	
Alex	Suarez	WA	98569	
Laura	Napoleon	NY	11362	



Stephen	Pauley MD	ID	83353	It's your watch. Will you allow orcas to starve to death? Salmon to go extinct? It's close to happening. Don't let it! Please consider lowering the flow to safe wildlife
Kevin	O'Connor	WA	98115	
Brent	McFarlane	WA	98133	
Theresa	Day	OR	97222	
Mal	Gaff	CA	93436	
John Paul	Markham	KY	42445	
Victoria	Miller	CA	91436	
			V1N4K	Please protect the ecology of the Pacific Northwest.
Darrin	McBee	BC	8	
Rebecca	Sundberg	MI	48197	
Phil	Lansing	ID	83712	
Candy	Lenigan	ID	83332	
Sally	Hodson	WA	98279	
				Please support this best near-term action to increase salmon populations and help feed our threatened Orcas.
Sandra	Ciske	WA	98116	
steve	simmons	OH	45434	
Diane	Straus	CA	94530	Orcas are a treasure and bring tourists to the state to see them. Food is life! Southern Resident orcas need many more chinook salmon in coastal water in order to survive and recover. Though a restored, freely flowing lower Snake River is the region's very best opportunity to get starving orca the salmon they need, interim steps must be taken immediately until that can be accomplished. Increased spill at the federal dams on the Snake and Columbia rivers is the most effective near-term option to increase salmon populations – and orca meals. We must increase spill NOW – while we continue to make progress to remove four costly dams and restore a healthy lower Snake River and open up access to more than 5,000 miles of pristine, protected salmon habitat upstream.
Kathleen	Corby	NY	12567	
eric	nylen	MD	20902	
eric	nylen	MD	20902	
Paul	Moss	MN	55110	
John	Kirchner	IN	46815	

				I'm a lifelong environmentalist dedicated to protecting the earth. Human activity, and structures such as dams, have degraded our planet to the point where all life is at risk. Please do your part to help recover healthy ecosystems.
Dianne	Ensign	OR	97219	
elyette	weinstein	WA	98501	Don't let politics ignore science.
Robin	Kramer	WA	98506	
Emmanue				
l	Solis	WA	98008	
Deborah	Woolston	WA	98102	
Gary	Carlson	ID	83805	
Michele	Mont-Eton	NV	89519	
				It is time to protect and preserve those living creatures on this earth. If we do not, there will be nothing left for humans to enjoy, no life, not even our own.
Nan	Corliss	MN	55437	I support the Department of Ecology's efforts to increase spill at dams to immediately aid salmon in 2019 while continuing to work towards the long-term goal of breaching the four lower Snake River dams and restoring salmon habitat upstream.
Susan	Saul	WA	98664	
Avi	Okin	HI	96743	
Stephen	Oder	OR	97330	
Janet	Alicea	CA	90291	
Gerald	Hopkins	VA	22801	
				Oceans and nature have a balance which has been upset by our own species. Orcas are starving for that reason and it is imperative that something be done. If increasing spill lines will help them get food that is what must be done. Dams should only be built by beavers to be honest.
Kate	Kenner	VT	05301	
Tim	Rich	WA	98121	
				The Pacific Northwest is unique, its wildlife is like nowhere else. We need to protect what we have now while we can, this can't wait. We don't want to share stories of amazing Orcas that once lived in the area but eventually starved.
Janet	Castaneda	WA	98008	
Jim	Martin	OR	97205	
michael	mathis	WA	99206	PLEASE!
Steven	Collins	CA	94107	
S	J	CA	95454	
Donna	Lozano	TX	78552	

April Brumson VT 05346  
Andy Lynn GA 30135

please do not cull seals and sealions! We don't want to be back at the table trying to save the Transient orcas! It's not the pinneped's fault, it is ours!

Bonnie Gretz WA 98239  
Kate Skolnick NY 11238

JOSEPH BAECHTEL PA 16057  
Esden-

Danika Tempski OR 97405  
Peter Chiu WA 98008  
Mary Peete WA 98229  
Elizabeth Tuminski CT 06907

Care for the Orca is care for us! Clean water is a priority, for our generation and the next. Salmon are crucial to the Southern Residents, and we have the ability to help them reach the ocean and reproduce. Please make this happen.

Julie deRouche WA 98221

We must protect our waters for everyone. Many people are employed by the salmon and marine tourists industry. This problem is not just an animal problem but also a human problem

Kenyatta Herndon MI 48176  
Dale Ballard OR 97038  
Chris Drumright TN 37130  
Alex Stavis NY 10128  
Vince Mendieta TX 78745  
Mary Paterson WA 98125  
Shannon Markley WA 98103  
Mark Blitzer WA 98117  
Marty Jansen CA 94519  
Tatjana Walker TX 78212  
David Hrobuchak PA 17112  
Jim Lansing CA 94133

Orcas shouldn't starve to death.

Jordan Ghita WA 98177

We need to start taking action and save our Orcas!!! We need to take down the Lower Snake River Dam!

Jordan Ghita WA 98177  
Rebecca Clark OR 97203  
Anthony Donnici MO 64068  
Kjersten Gmeiner WA 98125

We need to start taking action and save our Orcas!!! We need to take down the Lower Snake River Dam!

Sandy Pethan CA 94062

These are very unique and important species to the ecosystem. Without intervention they will

die in a short span of time

Michael	Lampi	WA	98008
Lyle	Collins	WA	98908
namita	dalal	CA	94022
Karen	Collins	WA	98908
Sara	Libby	OR	97203
Donna	Davis	WA	98229

SUZANNE	KAMIYA	WA	98292
Alice	Tobias	WA	98260
j	Alexander	MD	20781

Oceans are 85% fished out! Salmon needs to be saved

Don	Morrison	WA	99205
Thomas	Deetz	CA	95076
Julie	Ford	CA	92649
Lisa	James	CT	06704
Dennis	Marceron	WA	98144
Joan	Palmer	CA	91103

Orcas need salmon, salmon need a free flowing river to get to spawning grounds, juvenile fish need to get to ocean, orca get to eat as more salmon are available! Bypass those dams save the Orcas and 4 species of salmon.

kaarle	strailey	AK	99709
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RANELL	NYSTROM	WA	98403
Rita	Meuer	WI	53704
Melissa	Griffus	WA	98516

I am a fisheries biologist who has worked for the Alaska Department of Fish and Game and the Fisheries Department of the Puyallup Tribe of Indians. Chinook salmon systems cannot thrive in isolation facing the pressures of predators and commercial fishing, whether intentional or through bycatch. The benefits of taking the suggested actions will likely spread well beyond the Columbia River and the Southern Residents, who need relief so desperately.

David	Guren	WA	98125
Ellen	Glaccum	ID	83278
Sharron	Anderson	WA	97232
Jim	Cronin	WA	99201

Be bold and remove the 4 Lower Snake River Dams.

Ann	Khambholja	AZ	85756
Richard	Jackson	VT	05482

These are necessary interim measures prior to total dam removal of the Snake.

David	Michalek	OR	97031
Don	McKelvey	OH	44123
Denise	hoffer	NY	14850
Maria	White	OR	97007
Elaine	Hickman	WA	98133
paulette	gust	WA	98168
Karyn	Searle	ot	08052

This is a no-brainer !

JEFF	ALEXANDER	HI	96740
Susan	Helf	WA	98103
Betsy	Young	ID	83712
Michael	Wallace	CA	95062
Melody	Mayer	WA	98516
Barbara	Bennigson	CA	94301
Nathan	Petz	WA	98661
Natalie	Chapin	WA	98225
Julie	Martin	WI	54837
Susan	Brown	CO	80631
Thorsten	Ostrander	CA	92131
Alice	Bowron	MN	55405
Richard	Rutz	WA	98028
Andrew	Sutphin	CA	91362
Karen	Lamson	OR	97058
Bert	Sacks	WA	98103
Maureen	Knutsen	AK	99633

Data warrants action now! Cooler water and more spill are essential for the health of the salmon and steelhead and for the orcas. Do the right thing, increase spill now, then remove the dams. Thanks!

Tom	Halderman	CA	95073
Lydia	Garvey	OK	73601
Christeen	Anderson	FL	32539
Laurence	Buckingham	IL	60068

We ka need salmon. The farmed ones are not nutritious and they cause problems with the wild salmon. We should not be fouling our planet.

LeeAnn	Garton	ID	80376
Amanda	Niles	MT	59904
William	Rivers	CO	80503
Nancy	White	WA	99216
Denee	Scribner	WA	98926
Daniel	White	OR	97759
Lorenz	Steininger	ot	86558
Robert	Johnson	ID	83843

Eric	Brooker	SC	29492	Please release more water from the dams in order to protect salmon and orcas	
Cody	Dolnick	CA	92252		
Candace	Volz	TX	78703	Just please get more fish for the orcas- can't take having more die of starvation!!!!!! Please do everything possible to protect our salmon and the Southern resident pod. This is our final chance to save these incredible and wild treasures.	
Onie	Kahn	WA	98115		
Keller	Adams	ID	83712		
Dianne	Douglas	AZ	85042		
Christoph	Dunham	PA	19053		
er	afsd	CA	92020		
fdsaf	afsd	CA	92020		
Brian	Jokela	WA	99006		
Paul	Brown	WA	98107		
Denise	Beard	WA	98119		
Janine	Bostock	WA	98136		
Ed	Heidel	WA	98036		
Vivian	Gross	WA	98034		
Timothy	Devine	CA	94544		
Kay	Foster	OH	45013		Please, please help the salmon, who are in dire need of your assistance. Thank you!
Scott	Crockett	OR	97439		
Patrick	Annabel	WA	99362		Southern Resident orcas need many more chinook salmon in coastal water in order to survive and recover. Though a restored, freely flowing lower Snake River is our region's very best opportunity to get starving orca the salmon they need, interim steps must be taken immediately until that can be accomplished. Increased spill at the federal dams on the Snake and Columbia rivers is our most effective near-term option to increase salmon populations – and orca meals.
Michael	Price	OR	97239		
meera	krishnan	TN	38002		
Brad	Nelson	CA	93035		
Robert	Goodrich	WA	99026		
Maradel	Gale	WA	98110		
Karen	Spiegel	CA	91501		
kaylouise	Cook	WA	98125		
Bill	Holt	TX	78736		
Ellen	Williams	WA	98110		
Sally	Hurst	WA	98144		
Sally	Hurst	WA	98144		

				From 1956-1980 I was Quality Assur. Dir. for Col.River Pkrs. Assoc./Bumble Bee Seafoods in Astoria. This plant was closed down due to lack of SALMON return. The operations of the dams along the Snake R. system caused the last source of salmon to diminish greatly. Transportation downriver is no longer necessary and operations of the dams must be adjusted to favor the survival of the remaining salmon stocks to enable their recovery.
Claire	Egtvedt	WA	98275	
Janet	Jacobson	WA	98075	
Pierluigi	Roncaglione	ot	10062	Free Flow, free river, free sea! This near-term solution MUST be companioned with action plans to breach the four Lower Snake River dams. PLEASE work with other agencies to make breaching happen this year!
WP Lyssie	Burden	WA	98368	
	Digiannanton			
Theresa	i	OH	43230	
Kevin	Pratt	WA	98106	
				I'm from the U.K, people around the world are aware of this tragic story. You know what needs doing to help these orca please just do it, forget about money and profit for once.
Gail	Bowers	ot	BB3	
Fred	Luke	HI	3AD	
Meryl	Pinque	ME	96821	
			04401	The Snake River dams are robbing the future of our irreplaceable salmon -- and the orcas that feed on them. I ask that Washington State immediately increase water quality rules in 2019 to allow higher levels of spill - up to 125% total dissolved gas
Sigrid	Asmus	WA	98199	
Julie	Hansen	CA	93953	Please. Let's do what's right.
les	roberts	CA	93704	
				Saving the wild salmon is important to me beyond orca recovery because it is the canary in the coal mine and if we allow it to go extinct the ecological and economical ramifications for the pacific northwest will be huge. Thank you for all you do to keep our land&water&air clean, i truly appreciate all the work the Department does under your leadership.
Cigdem	Capan	WA	99352	
Maria Sol	Caro	CA	91103	
Maria Sol	Caro	CA	91103	
john	canavan	MI	48085	4 lower snake river dams need to be breached
john	canavan	MI	48085	4 lower snake river dams need to be breached

Brian Carter OR 97058

THIS IS A NO-BRAINER! OUR ORCAS ARE THE  
10-TON CANARIES IN OUR INLAND WATERS!!  
AS GO THEY, SO GO WE!

Stephen Bailey WA 98244

Sarah Lincoln VT 05473

G Allen Daily WI 53222

Mary More PA 19031

Patrick Gallagher NY 12946

Sylvia Rodriguez NY 10003

Donna Sevilla FL 33196

Amy Lyons CO 80421

Protect our precious natural National heritage!

Bette Ann Schwede WA 98248

Ben Rall WA 99202

Timothy Hunt CA 92130

Amy Hamala OR 97236

I don't live in Washington State, but please  
know that your decision about the orcas is  
important to many-- probably most--  
Americans. I don't want these wonderful  
animals to go extinct and we are witnessing a  
mass extinction which we have caused by  
destroying and altering natural habitats and  
food sources and polluting our atmosphere with  
ghgs that are radically changing the climate.

Peggy Gilges VA 22901

Please increase spill to help the survival of the  
Southern Resident Orcas!

Please understand how important this issue is  
to me and many of my friends. We need to get  
this right !

Beth Ditto WA 98121

Thomas Marshall WA 98118

Automne Mosher OR 97086

Doug Elledge WA 99181

Eric Abrams NH 03304

Cath Carine WA 98117

Real progress would be doing whatever it takes  
to ensure that these fellow beings survive and  
thrive in their home

Cath Carine WA 98117

waters.<http://www.clallam.net/Parks/SaltCreek.html>

John Koriath WA 98070

Nancy Ruble OH 44720



				Orcas are sentient creatures. We are committing a type of genocide by starving them to death all because we humans can't let a wee bit more water through the dams? That is morally unjustifiable.
Keith	allen	CO	80133	
Terrie	Williams	TX	77662	
Victor	Turnell	MO	63304	We have to act to save our precious Orcas!
Ron	Richards	WA	98362	
Dianne	Murray	WA	98199	Please save salmon and Orcas
Pablo	Bobbe	NY	10130	
				It would be a tragedy to loose our salmon runs forever. If the Orcas are in need of salmon as food - think of the many others who rely upon this food source.
Steven	Bly	WA	98502	
bruce	hirayama	CA	90034	
				Please consider the fact that your decision could greatly impact the natural world. If money wasn't involved how would that impact your decision on this matter?
Heidi	Briggs	ID	83642	
Emily	Ross	WA	98040	
				We must do all we can for salmon and orca. We do this not only for the wildlife, we do it for our children and grandchildren, and their children. We must think long term.
Jack	Stewart	WA	98070	
Margaret	McCulley	CA	95060	
Matthew	Reid	CA	94515	
Sarah	Lincoln	VT	05473	
				Failing the salmon and the orca would be like dealing a death blow to the spirit of the Pacific Northwest. It cannot and should not happen. We must protect this incredible ecosystem or it will become the stuff of "remember when"
Chad	Huntsman	ID	83401	
Laura	Arnone	WA	98502	
Sarah	Hafer	WA	98684	
Gabe	Magtutu	CO	81401	
				There is no reason not to sign this petition. Two species are struggling to survive due to continued encroachment on the ecosystems they need to survive. It is time to give back, recognize the errors made and provide a means by increasing the spill for the salmon and oceans populations to recovery.
Gayle	Turek	IL	60805	
				We need to preserve and protect the the migrations and habitat of Salmon and Steelhead in our rivers and streams
Zac	Kauffman	OR	97535	
Coral	R.	BC	V8V4L	

Edward	Beaty	WA	99003	It's time to do the right thing to preserve this precious resource. Let's put science in the driver's seat, not politics.
			5628D	
Astrid	Winters	ot	G	I am from the Netherlands. So this goes far. Please save these orca's please
Astrid	Winters	ot	G	
Barbara	Rizzo	OR	97376	Do you wish to see salmon disappear completely? I used to live in Alaska. Salmon are beautiful & need to be free to live their natural lives. Make that happen.
david	knightly	MN	55318	
Jenny	O'Neill	WA	98532	An ecosystem that is so damaged that it can't support salmon & Orcas will not support humans for long. Stop risking the loss of this unique gene pool, and take down the three Snake River dams. Multiple studies have been done. The Elwha has shown how rapidly life returns after dam removal. Lets act in a way that deserves such grace in the face of our destructive actions.
Kathleen	Grimbly	WA	98284	
Patrick	Kelly	WA	98682	
Charles	Schultz	CA	94903	
JIM	HEAD	MI	48237	
Georgina	De Anda Colin	WA	98199	Our total environment needs help, forests, shores, waters of all kinds, animals of all kinds, salmon, and orcas too! We've done a lot of damage at enormous costs to our habitat, now we have to do everything we can to restore our Earth!
Sheri	Kuticka	CA	94518	
Michael	Siptroth	WA	98528	PLEASE PROTECT OUR OCEAN LIFE..INCLUDING ORCAS this is imperative, we see that a huge portion of our ecosystems are collapsing! This is a urgent cry to action, NOW!
David W.	Trotter	WA	98146	
Phyl	Morello	TN	37890	The promise of undaming the Snake River and my previous association with the Save Our Salmon organization has made me especially interested in this matter.
Catherine	Gumtow-			
Doris	Farrior	OR	97754	
	Warnstedt	ot	50996	
Camille	Coffey	MA	02482	

Alicia	Liang	OR	97214	Increasing spill is a novel step to restoring Salmon and Orca, but the #1, key action needed is the REMOVAL OF THE 4 LOWER SNAKE RIVER DAMS ASAP! Salmon obviously need to get to and from their spawning grounds through as much free flowing cold water as possible. Their populations have been decimated by pollution, dams and over-fishing!
Bruce	Gage	WA	99202	
Richard Ronald	Weller Spies	WA OR	98942 97341	At this late point in time, while increased spill over the myriad dams that have turned several great salmon rivers into a series of largely dead water impoundments, it will take several measures conducted in concert to keep the salmon and orca populations at risk around long enough for dam removal on the mainstem of the Snake to have any effect. BS, UW College of Fisheries, 1969
Earl	Dodds	ID	83638	The Salmon & steelhead are on the verge of extinction now and suction dredging is just one more obstacle to add to their problems!
Susie	O'Keeffe	ME	04941	PLEASE do all you can to save the salmon, the whales, a future worth passing on to the young. Thank you.
Martin	Gibbins	WA	98014	We must take every possible action to reverse the Orca decline. It is our responsibility as citizens of the Northwest.
Automne	Mosher	OR	97086	
Dan	Perdios	CA	92262	
barbara	echo	WA	99224	
Manuel	Camacho	WA	98012	
Richard	Walthers	IL	60626	Step One...Step Two, remove the dams
Rod	Dalager	MN	55412	
Robert	Jensen	WA	98513	We can and should do this! Blessings, Bob Jensen You do know,when they are gone,that's it...no magic/illusion nothing....gone!is how you want to be remembert.....some who could save our sea animals but didn't
Yvonne	Carter	OH	44107	
Barbara	O'Steen	WA	98136	
patrick	grace	NM	87514	

				We must increase spill over the Columbia and Snake River dams and then remove the 4 lower Snake River dams to keep the wild runs of salmon and the Southern Resident orcas from going extinct. Time is running out!
Phillip Donald	Callaway Coyne	OR CA	97336 94402	
Luis Josue	Calva Rosales	WA	98121	
Marguerite Sally	Pappaioanou Hurst	WA WA	98122 98144	Protecting our PNW river ecosystems with urgency, is vital to human, animal, environmental health.. we must act immediately!
Tim anne anne	Manion veraldi veraldi	WA CA CA	98074 94110 94110	They're dying. Slowly. Of starvation. On YOUR watch. You know what is required to give them a fighting chance. Please, for once, can't we find it in ourselves to simply shut up and do the right thing? Is that even left in us?
JEAN Lisa Nancy Rachel Daniel Erik	MENDOZA Banik Ruble Wilson Draheim Hauge	WA CT OH WA WA CO	98952 06708 44720 98001 98115 80516	
Denise	Berthiaume	MI	48187	Help the orcas, by allowing more salmon spill Please do the right thing: stop throwing good money after bad in maintaining the aged dams; start the process of restoring the along the Snake and Columbia by restoring the salmon and the creatures that depend on them.
Diana Christine Patricia Barbara evan	Armstrong B. Hine Wallesz boone	ID NC ID WA CA	83843 28056 83843 98229 93950	
JOHN H Lynne	ARMSTROMG Haagensen	CA ID	95765 83871	Building the 4 deadbeat dams gave a lot of good employment to people. That's about all they did. Now they should provide good employment for a lot of people getting rid of them!! It's time to value our natural ecosystem.
Jette	Morache	OR	97707	Please take this important step for now while working to reconnect free flowing stretches of the Columbia River system, allowing

ecosystems to heal and support life.

RAFAEL PACHECO WA 98012

Vazquez  
Josue Isai Garcia WA 98121

Donna Bradberry ID 83843

Donna Bradberry ID 83843

Linda Castell WA 98232

Alison Cable WA 99352

We need to see steps taken on these dams to increase the flow rate now. We need to protect the wild Salmon run for Idaho and for the Orcas. Let's do it! Restore NW rivers and bring the Salmon count up! Now Give Orcas a chance- bigger spills for the salmon!

I live part time in Idaho and totally enjoy my timer recreating along the rivers. Please protect the salmon the orcas and all other Marine creatures who depend on free flowing Rivers. Thank you Susan Malone Albuquerque New Mexico

Susan Malone NM 87107

Joe Thompson ID 93843

stephanie smith WA 99210

David Barber ID 83843

Terry Friedman NJ 07645

Philip Kritzman IL 60646

Margaret McCulley CA 95060

Roy Ferguson CO 80017

Lawrence Magliola WA 98382

jim prince WA 98368

KY8

Janet KewleyAdam ot 3AP

Erin Barca CA 94583

Please take this important step to increase the salmon population for the benefit of all fish and mammals.

DAVID GAENICKE WA 98368

Crista Worthy ID 83714

Edward Bielaus MD 20852

David K Sias Jr ID 83333

Bill Holt TX 78736

Gary Cook OR 97405

George Ben AK 99705

Tracy Kessler WA 98146

Hilary Bates MT 59833

Brad Staples OR 97068

Free the Snake!!!

jonette	bronson	CO	81435	These whales do not deserve to starve to death. If we don't start improving our water quality now-when?? When there are no fish left?
Pam	Olsen	NY	11793	
Beth	Stanberry	NC	28802	
Richard	Johnson	WA	98227	
John	Walton	CA	95445	
Michael	Aldridge	TX	78029	
Joshua	Kolasch	WI	53570	
Robyn	Ingram	OR	97405	This is one of the most critical issues facing us. Do the right thing
Barbara	Bennigson	CA	94301	
Gary	Grube	CA	94588	
Steven	Netkin	CA	92586	
Chris	Stay	WA	98020	
Linda	Becker	OR	97035	
Liz	Schotman	OR	97031	
Rebecca	Rose	WA	98155	
David	Duncan	MT	59847	
Annie	Roberts	WA	98070	
Murrell	Johnson	VA	24426	Please let the rivers flow naturally. Don't hinder the salmon.
Courtney	Kahler	TX	75402	
				Action is needed now!
				While there are many long-term options to help salmon and orca recovery there are very few short term practical options that will stay the gap towards extinction before long-term actions mature enough to have benefit. Increasing spill over the dam is one of these critical and extremely important short term actions. Please increase spill and give time for the more longer-term actions to kick in.
Bianca	Perla	WA	98079	
Randall	Collins	WA	98119	
CHRIS	BATTIS	WA	98225	
Reverend				Your legacy will be their extinction unless you act NOW.
jane	Eagle	CA	95444	
Lawrence	Hill	WA	98856	
Stacey	Bradley	PA	16646	
Alice	Bowron	MN	55405	
Michael	Cochran	WA	99031	
Kaylee	Andrews	WA	98119	Please do the right thing and help preserve what we have left.
Miguel	Ramos	WA	98248	
Mike	Brinkley	OR	97405	
Jim	Hanley	CA	95407	
Katherine	Ransel	WA	98120	

Gregory	Topf	WA	98116
Bill	Erickson	OR	97219
Deborah	Rossum	AZ	86351
Robert	Kephart	MT	59802
Susan	Hittel	NY	10024

Considering the other challenges salmon will face because of climate disruption actions like raising the dissolved gas standards to 125% is a reasonable solution to helping wild salmon.

Grant	Wiegert	AZ	86023
Christoph	Aamot	CO	80304
Manuel	Camacho	WA	98012

Grant Wiegert

Marc	Fleisher	ID	83843
Joshua	Pearlman	MB	2G2
Pamela	Johnston	NC	28763
Whitsitt	Goodson	OR	97233
Rob	Snowwhite	VA	22032

Please excuse me if this is the second time signing. The issue is too important. Salmon are sacred. We must do all we can to protect them.

R3L

I am always astonished at the ease by which the human race acts to destroy its ecology and environment. All that I can say is go ahead. Destroy the salmon while destroying the waters. Lose the Orca, and totally dismember the natural evolutionary path of the planet Earth.

Jacob R.	Raitt	CT	06605
Shirley	Blaschke	OK	73112
Linda	Wright	WA	98121

We live upstream and are directly affected by decisions related to anadromous fish made by Washington. Spill has been identified as the single most important action that will have immediate positive outcomes for Idaho's ESA listed Snake River salmon and steelhead. We strongly support TDG standards to be increased to 125%. Thank you. Jerry and Terry Myers

Jerry	Myers	ID	83466
Richard	Gill	TX	78212
Laura	Long	IL	60616
ROY	OSHITA	CA	91755

It's important to me that the salmon of the PNW stay accessible and healthy, for my generation and the future. Please protect our own health and the health of this ecosystem

Taylor	Kim	CA	91755
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Dan	Brissenden	UT	84117
gene	chorostecki	NM	87507
Jessica	Lunt	NY	12498
boel	greenberg	CO	80302

Please help the salmon recover. What this river system once was, it needs to be again, and that is a healthy system for salmon survival and recovery.

Jeanne	Hyde	WA	98250
Kathleen	White	WA	98103
Brian	Gibbons	MD	20770

Dams are unnatural and too often detrimental to wildlife . It is because of people orcas are starving thus it is put to people to change that by increasing that dam spill. Animals suffer already from the actions of our own species and all that can be done to help them should be done..

Kate	Kenner	VT	05301
Rob	Switalski	WA	98177
JIM	HEAD	MI	48237
Mike	Mahony	OR	97914
Sandy	Zelasko	CA	92082
Anne	O'Leary	WA	98070
Karen	Benson	WA	98225
Kjersten	Gmeiner	WA	98125
David	Jaffe	OR	97225

Both the salmon and the orca are icons of the Puget Sound. Let's do all we can--while there is still time--to save both. We can do this!

Mark	Blitzer	WA	98117
Jacob	Meyer	OR	97239
Kevin	O'Halloran	WA	98103
Sally	Hurst	WA	98144
thomas	letteri	MA	01741
David	Mierkey	CA	95209
Sarah	Delerm	CA	94114
David	Hopkins	CA	94530

Increasing spill is a start on mitigating the impact dams have had on the Columbia River watershed, and then the salmonids. Please make this happen. Larry Franks, BS Fisheries (Salmonid Culture) UW 1979

Larry	Franks	WA	98027
Jill	Sanoff	CA	92118
Nancy	Uding	WA	98125
Jennifer	Nelson	WA	98133
Edward	Schmitt	AK	99669
Sarah	Harbert	WA	98103
martin	chamberlin	FL	34134



Francis	Schwinger	WA	98146
Sarah	Hafer	WA	98684
R. A.	Larson	WA	98274
Justin	Keesler	WA	98116
Mark	Rose	OR	97339
Richard	Spotts	UT	84790
Victoria	Peysner	DE	19711
Aleks	Kosowicz	WI	54843
Erinn	Carey	WA	98335
James	Long	FL	33461
Justin	Keesler	WA	98116
Christoph er	Craft	CA	92124
Georgean ne	Samuelson	OR	97463
Barb	Andersen	WA	98133
Rich	Deline	WA	98392
Sandra	Wilson	WA	98250
Chris	Drumright	TN	37130
Dr. E.	O'Halloran	WA	99208
Richard	Harrington	OR	97045
Rebecca	Muzychka	FL	33304

Rich Deline. Bainbridge Island

Please do everything in your power to protect salmon runs and orca populations. TIME IS RUNNING OUT FOR THE ORCAS!

Christina	Dubois	WA	98013
Debbie	Rose	WA	98133
Rylie	Sedustine	WA	98116
Kelly	Riley	PA	19440
KEITH	KLEBER	AZ	85743

James	Wheelwright	WA	98052
Peter	Von Au	MA	02464
Thom	Peters	WA	98290
Phyllis	Farrell	WA	98104
Randall	Lindstrom	OR	97330

Please restore water into the stream and save salmon and orcas.

John	Boyce	NJ	08829
Chris	Moore	VT	05055
Shelby L.	Hood	TN	37064
Marilyn	Scott	IL	60615
John	Devoe	OR	97204
Reese	Bender	OR	97411
Walt	Ricker	WA	99224

I have commercial fished in Alaska for 9 years. One major difference between the rivers there and the rivers in Washington is that the rivers in Alaska are mostly undammed. Let's bring back the economy of salmon to Washington state. Healthy, resilient salmon runs support healthy, resilient communities. While we wait for the Snake River Dams to be breached, let's protect the last runs of real wild salmon by increasing spill rates over the dams when the smolt are coming down the river.

Kristin	Mahlen	AK	99006
Lois	Yuen	CA	94707
Anthony	Terranella	WA	98144
Dan	Lombardo	WA	98404
Zac	Kauffman	OR	97535
Carl	Clemons	OR	97055
Dave	Groves	WA	98501
Charles	Ballard	WA	98198
Nell	Nieves	NY	10803
Linda &	Crayton	WA	98070

Please do the right thing

Please do what it takes to protect our Sound. With plans in the works to bring more oil pipelines to the coast, there will even more threaats to the orcas from tanker traffic and oil spills. They orcas will need robust health and a reliable food supply to withstand these threats.

Rodney	Badger	OR	97520
Brad	Nelson	CA	93035
Patrick	Gallagher	NY	12946
John W.	Barto	NH	03263
Jon	Lund	OR	97401
Brad	Acker	ID	83703

Patti	Dickthiel	WA	99224
Donald	Stuart	WA	98070
Kathe	Garbrick	KS	66503
Barbara	Orr	WA	98499
Barbara	Orr	WA	98499
Meryl	Pinque	ME	04401
bruce	hirayama	CA	90034
Chris	Salp	WA	98589
Ben	Rall	WA	99202
Christeen	Anderson	FL	32539

This is so important; please support!

Judith	Maron-Friend	OR	97220
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THE MORE WE INTERFERE WITH NATURE THE MORE ALL CREATURES, WHO INHABIT THE PLANET, SUFFER! IT IS INCUMBENT UPON US TO RIGHT THESE INIQUITIES!!!

Jack	Stewart	WA	98070
conrad	hohener	CA	92705
Sharon	London	WA	98115
Marie	Sprancel	WA	98365
Willem	Broekhof	WA	98125
Barbara	Wallesz	WA	98229

The recommendation this month by Canada's government to expand The Trans Mountain pipeline, in spite of the impact on the southern Orca population, is unbelievable. In a Seattle Times article on 2-22, we are informed that: "The project will likely harm endangered southern resident killer whales, increase greenhouse-gas emissions that worsen the impacts of climate warming, and could cause oil spills that would be damaging to the environment, the board found" The project would increase tanker traffic in the Salish Sea from about six tankers per year to more than 400. It's well proven that ship noise confuses the Orcas in their search for food. However, the more-than-700-mile-long pipeline should be approved by the government anyway, the board found, because it is in Canada's national interest. What about the Orca's interest, and their survival? Please take this step, which is something we can do NOW without huge expense and bureaucratic bickering.

Scott	Grunden	WA	98023
Paul	Sanborn	NH	03224
Ryan	Shopay	CA	91364

I am from the Netherlands so the care for these animals reaches far. Please help these orca's. They are on this planet before mankind help them please

Astrid	Winters	ot	G
Blaine	Ackley	OR	97124
Barbara	Aronowitz	ID	83455
Alix	Keast	NY	10025
Lela	Perkins	WA	98208

Charles	Hammerstad	CA	95120
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ERIC	POLCZYNSKI	CO	81147
Jesse	Gore	TN	37206
Vivian	Gross	WA	98034

LYNDA	ERICKSON	WA	98053
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Shari	Grounds	HI	96734	
Paul	Mopps	WA	98304	Free the Snake, remove the dams.
Joy	Wang	WA	98006	
Jayne	Wallingford	AK	99517	
Aimee	Roos	CO	80015	
Marianne	Nelson	OR	97202	
Lee	Taiz	CA	95060	
Langdon	Cook	WA	98118	
Tom	Crumbaugh	NC	27516	
David	Winters	WA	98368	Remove the Snake River dams
Monica	Gilman	OR	97024	
jack	cohen	FL	33411	
Anthony	Donnici	MO	64068	
Jay	Humphrey	OR	97023	
Marybelle	Hollister	MA	01945	
M J	Caputo	WA	98105	
			V8V4L	
Coral	R.	BC	4	
Todd	Ferguson	WA	98031	
	Vaughn			
Maureen	Castaneda	WA	98038	Breach the Snake River to save our Salmon
Diane	Sullivan	WA	98277	
Pamela	Haas	SC	29909	
Matthew	Kane	CA	94116	
Diane	Sullivan	WA	98277	
Steven	Brown	WA	98070	
Gerry	Milliken	AZ	86326	
				Loss of Chinook has been devastating to the Orca. Loss of the Orca will be devastating to Washington State.
Art	Chippendale	WA	98070	
Andrew	Dopieralski	WA	98106	
Melanie	Nakashima	WA	98250	
Ian	Shelley	OR	97225	
Pamela	McMahan	WA	98070	
Donald	Greer	CA	94070	
Amanda	Carman	WA	98119	
				Removing the damns will benefit all. Michael J Hughes
Michael	Hughes	CA	94507	
Richard	Bertellotti	OR	97123	
Kay	Novak	OR	97333	
Elaine	Packard	WA	98122	

Michael	Garcia	MT	59715
Penelope	Campos	WA	98146
Cyntahi	Logan	VA	24210
Christopher	Rimple	WA	98166
Susie	Schaefer	WA	98020
Leonard	Elliott	WA	98002
Michelle	MacKenzie	CA	94025
Steve	Baker	OR	97034
Erwin	Bol	CA	94506
Phil	Lansing	ID	83712
David	Strahan	OR	97526
Darran	Bornn	CT	06785
Jamison	Cavallaro	OR	97206
Sarah	Bauman	NE	68502

The health now and even more so in the future is critical to all our waterways. I travel all of North and South America and what we still have and need to protect is so precious that we have do all we can to improve the quality of our Environment and our waterways and now we have the technology to make it happen. Stop the GREED conserve all we can by acting now!

We must increase "spill" to 125% Total Dissolved Gas Standard at the federal dams on the lower Snake and Columbia River dams starting now, in 2019. We must engage stakeholders for solutions involved with removing the four lower Snake River dams. Breaching the four lwr dams on the Snake reopens vast historic habitat for critical salmon runs. This needs to be happening as soon as this year.

Joan	Pool	WA	98020
RODNEY	Hefley	WA	98632
Garrett	Minky	WA	98101
Robin	Schaefer	PA	16327
judith	hazelton	VT	05201
William	Mattson	CA	94580
jackie	eldridge	FL	32211
David	Dunneback	WA	98112
Dakota	Bauman	WA	99204
Claire	Cohen	OR	97034
Todd	Daniels	WA	98956
Tim	Womack	WA	98008
Jenny	Fagan	OR	97756
Kathleen	Corby	NY	12567

Take the dams out and restore the salmon runs so there are enough for man and beast!

Let's do this! Thank you

Kay	Foster	OH	45013
Fritz	Nichols	WA	99224
Gilly	Lyons	OR	97211
Mark	Tilschner	WA	98290
Elise	Adibi	PA	15217
Paul	Hunrichs	CA	92071
Gregory	Fitz	MN	55406
Katherine	Owens	ID	83404

Please, please take action to save the orcas. I was in Alaska this past July and saw only one orca during the trip down the Inside Passage. Thank you.

This must be done!

I've commented extensively on this! Without increased spill, we cannot hope for increased salmon runs and therefore cannot hope for restored health to the orca population. The time is long past - ACT on this please!

Jennifer	Lutz	WA	98021
Cheryl	Ritenbaugh	OR	97135
Art	Bogie	WA	98221
Timothy	Devine	CA	94544
Rob	Bignall	OR	97140
Mary	O'Farrell	WA	98282
John	Jagosh	OR	97223
Anton	Feokhari	NY	11229
	Schwartz		
Ethel	Bock	NY	10023
Lynne	Oulman	WA	98225
Derek	Gendvil	NV	89117
Sarah			
Alexander	Nunn	OR	97402
Dan	Sherwood	OR	97214
Jessica	Lippert	ID	83704
Cliff	Stolk	WA	98109
George	Thomas	WA	98126
John	Huntsman	WA	98282
David	Pilkenton	WA	98247
Pierre	Wolfe	WA	99163
John	McKean	CO	80524
Michael	Lampi	WA	98008
Terrill	Chang	WA	98166

Salmon survival represent the Northwest's commitment to the Earth. Please take actions to protect them now.

Save our natural environment.

Ashley	Martens	ID	83843
margaret	shermock	MN	55315
MaryJo	Fontenot	WA	99362
Terrance	Otto	OR	97055
Gary	Geis	WA	98604

Step up and do what is best for the fish

Paul Vesper CA 94703  
JL Charrier MN 55391

We want to return to see these majestic creatures so our tourism dollars matter!

Anthony Carr IL 60490  
Brian Carter OR 97058  
Chris Lima ID 83544  
Tom Hughes WA 98070  
William Anderson PA 19072  
Chris Rask OR 97086  
Ted Eisele ID 83703  
will patric WA 98368  
William Hutchings AL 35213  
Doug Rhodes MT 59937  
Ken Mundy CA 90068  
Mike Seyfried NV 89005  
michael miller WA 98002  
Stephen Hauschka WA 98195  
Maria Sol Caro CA 91103  
Christoph  
er Schlansker WA 98119

DANIEL MCDONLAD WA 98903  
Marilyn Hill MT 59716  
Tom Me OR 97225

V3H0E

Lissett Tschenscher BC 1  
Joseph Gilman NY 10310  
Lisa James CT 06704  
David Edwards WA 98506  
Chris Cottrell WA 98136  
Ramsay Kieffer DE 19952  
David Edwards OR 97404  
Gary b CA 93401  
Steven Kerrick OR 97206  
Wayne Heckman CA 95482  
Ben Basin OR 97214  
Lane Lindberg WA 98368  
Aaron Sullivan OR 97078

This expresses my feelings exactly!

Time is running out. Let's do this now along with ongoing measures to save salmon, orcas, and the ecosystems that support us all. Every step counts!

Genia Moncada WA 98119  
Sandra Joos OR 97239  
Rebecca Chadwell WA 99207  
Richard Jackson VT 05482  
Anna Gullickson WA 98815

Michael	Garten	WA	98103
Frank	Loyd	OR	97054
Genevieve	Williams	WA	98106
David	Graves	WA	98115

As a registered Dietitian, no longer recommending or even writing menus with Salmon until this issue is resolved in favor of a more natural balance, us living with nature.

Joan	Weiner	CA	94960
Diana	Hall	CA	94041
Karen	Springer	OR	97225
Elizabeth	Tuminski	CT	06907
andrew	reimer	NY	13329
andrew	reimer	NY	13329

RAYMOND	BINNER	CA	95949
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WTF  
Please maximize spill in order to save orca from extinction.

Kate	Cox	OR	97103
Jenny	O'Neill	WA	98532
Michael	Denton	CA	94578
Michele	Cornelius	CA	96039
Chris	Robertson	NV	89509
Ronald	Spies	OR	97341
Janet	Casey	WA	98221
James	Casey	WA	98221
Laurie	Gogic	WA	98034
Thomas	Hester	OR	97015
Pam	Clark	CA	94558
Mal	Gaff	CA	93436
barbara	echo	WA	99224
Marni	Hougham	MN	55127
Philip	Eisenhauer	WA	98007
Bridget	Shore	WA	98070

Please take steps to improve this situation.

Chad	Price	OR	97007
April	Smith	WA	98368
Michele	Bogaard	DC	20009
Karen	Borgardt	CA	95765
Lawrence	Crowley	CO	80027

It's time to start putting the needs of Salmon and Orcas ahead of short sited human desires.

I love the Orcas

cynthia	thompson	OR	97222
Kenneth	Ryan	ID	83201
Kathleen	Daviscourt	WA	98043

The current status of not one but three species, salmon, steelhead, and Orca's, should point to a red flag for the condition of river flows and tailrace TDG as they are needed for survival of these species. Do the right thing and increase the flows, raise the tailrace TDG.



Susan	Heywood	WA	98408
Diana	Hall	CA	94041
Zach	White	OR	97526
Edward	Vanover	NY	12309
s	smiths	IN	46703
Sara	King	WA	98092
Mary	Shannen	NM	87111
Steve	Noble	WA	98249
Dale	Ballard	OR	97038

Edward Vanover Guelph, Ontario, CA

The Columbia River system us the main arterial of the Pacific Northwest riparian system - it used to produce the most prolific runs in the world. Our orca are starving and uncreased spill is a small step towards allowing more Chinook to return and feed them. I believe that, ultimately, given the reduced need for emergency power, the increased rail transport and the fact that the dams are falling apart that they are long-past due being taken out. Increased spill is, literally, the least you should do. Your action is needed now.

Rebecca	Sayre	WA	98177
Luan	Pinson	WA	98664
Viki	Nadol	OR	97034
Rhonda D.	Wright, MD	GA	30319

I would like to see the 4 lower Snake River dams breached.

Sally	Wolf	WA	98112
Roger	Rankin	ID	83201
Richard	Hieber	Non	e 87700
MaryAnn	Linehan	PA	19087

The orcas are hungry. We know how to get food to them. It's time to breach the 4 dams on the Lower Snake River. Please please save the Salmon!

Lindy	Marrington	CA	93921
Leslie	Raphael	WA	98271
Tim	Quirante	HI	96839

It is long overdue that we protect our waterways and all the inhabitants who dwell there.

Tiffany	Jones	WA	98112
Scott	Rainey	OR	97206
Theresa	Digiannanton	OH	43230
	i		

Please save our Pacific Northwest native heritage and preserve our salmon and orcas

We demonstrate our character and values by how we treat those we have power or control over. I grew up in love with the Southern Residents, and I want to be able to tell people that we as a state or culture are willing to protect these animals.

Madeline	Buss	OR	97124
Daniel	Drais	WA	98103
Robert	Lawrence	WA	98012
Edward	Dombroski	VT	05465
henry	sanchez	CA	93023
Earl	Huff	OR	97846
Pat	Hanbury	NV	89506
Tom	Boniello	OR	97113
Dan	Esposito	CA	90266
Bill	McMillan	WA	98237
Virginia	Douglas	OH	44035
Eowyn	Grecco	GA	30582
Julie	Whitacre	WA	98226
John	Harkins	OR	97525
Janette	Wells	OR	97702

Also, please fully fund shovel ready projects like those on the PSAR list, and do whatever it takes to breach the lower four Snake River dams this year, before it's too late. Extinction is forever.

Thorly	James	WA	98166
Penny	Blubaugh	IL	60646
Sharon	Blakney	PA	18224

Keep up the good work to save both salmon and orcas. Richard Foley

Richard	Foley	WA	98008
Ernst	Mecke	ot	00150

Salmon are a good indicator of the health of a river. Healthy rivers are necessary for us humans for drinking and crops as well as the entire ecosystem that keeps our environment good for us.

Christoph	Bidwell	CO	80403
er			
Ben	Bama	WA	98250
Michelline	Halliday	WA	98250
Daniel	Soulas	AK	33200
Doris	Warnstedt	ot	50996
Jenny	Trebing	WA	98296
Paul	Smith	IL	60047
Stephen	Oder	OR	97330
Christine	B.	NC	28056
Monika	Wieland	WA	98250

Please take action!

Robert	Teister	WA	98053
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let's release more salmon for the orcas and keep working on dam removal.

Carol	Storthz	AR	72202
Kim	Loftness	WA	98155
Deborah	Carbery	MT	59047
STEPHANI			
E	MCLAUGHLIN	HI	96789
Chaplin			
Kraig	Belz	OR	97218
T.R.	Speer	WA	98177

We must do all we can to keep our ecosystems healthy. Without healthy, functioning ecosystems, life on this earth as we know it will cease to exist.

Jo Anna	Hebberger	IA	50312
Sandra	Ciske	WA	98116
Shannon	Markley	WA	98103
Sammy	Low	WA	98292
John	Equitz	CA	90803

Saving our free flowing rivers, will save our fish, which we know will have a large impact on whole ecosystem

Lou Anne	Gwartney	ID	83616
Dennis	Biggins	OR	97124
Sarah	Lincoln	VT	05473
Michael	Koler	OR	97267

I have been an avid supporter of all things related to saving our planet since April 1970 when I attended the first Earth Day in New York Cities' Central Park !!!

Mona	Young	MA	01257
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