



Kachemak Bay Conservation Society
3734 Ben Walters Ln, Homer, AK 99603
907 235.8214
kbayconservation@gmail.com

Wednesday, March 16, 2022

Dear Members of the Senate Finance Committee:

We are writing on behalf of our members in strong opposition to SB 62, which would allow lateral drilling and hydraulic fracturing—or fracking—under the Kachemak Bay Critical Habitat Area (CHA) as well as under all other protected lands in Alaska. If SB 62 passes, it will re-write the rule book on oil and gas extraction in protected lands and waters across the state, including State Game Sanctuaries, State Game Refuges, State Parks, and State Critical Habitat Areas by amending the Alaska Lands Act Section 1. AS 38.05 to read:

“Unless specifically provided, a statute that restricts the surface use of an oil and gas lease or a gas only lease in specified acreage does not also restrict subsurface use for oil and gas resource development that can be accomplished by drilling from acreage that does not have surface use restrictions.”

There are those who say this bill is only about Kachemak Bay CHA, but the language in Section 1 does not specify Kachemak Bay; it is general to any statute that restricts surface use of oil and gas, and would apply to any protected land and water in Alaska. While drilling is permitted in most places in our state, we have closed some of our most productive and rich public lands and waters to oil and gas extraction to promote the health of fish, wildlife, and habitat. It is necessary that we maintain this balance if we want to continue to support wild places, wild salmon, big game, their supporting industries, and our Alaskan way of life.¹

SB 62 would be in direct conflict with Alaska Statute 16.20.500, which states that the purpose of the Kachemak Bay CHA is to:

“protect and preserve habitat areas especially crucial to the perpetuation of fish and wildlife, and to restrict all other uses not compatible with that primary purpose.”

In all likelihood, it is also in direct conflict with the statutory purpose of every other State Park, Game Refuge or Sanctuary, Critical Habitat Area where it would be applied.

Since lateral drilling technology allows companies to drill and frack up to six miles into protected areas from outside platforms, since we can assume SB 62 will require seismic testing within protected lands and waters, since horizontal drilling and fracking require millions of gallons of fresh water, since these technologies produce massive amounts water that is toxic to living organisms, since the track record on this kind of drilling shows very high rates of spills, leaks, and contamination of aquifers, this bill isn’t worth it. It would come at a huge cost to

¹ https://iseralaska.org/static/legacy_publication_links/2014_06-EconomicsWilderness.pdf



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commercial, sport and subsistence fishermen, as well as local guides, lodges, B&Bs, and charter boat companies. Losses to these industries also represent losses to the State of Alaska, in the form of sales tax, fishing licenses, etc. This proposal could devastate some of our key protected lands and waters and the businesses they support. It is not worth the risks.

Hilcorp Cannot be Trusted Under Kachemak Bay CHA.

Hilcorp owns the pads from which the directional drilling under the Kachemak Bay CHA are proposed to operate. Hilcorp not the kind of actor who should be operating under a Critical Habitat Area. Their record is so bad that the Alaska Oil and Gas Conservation Commission has concluded that Hilcorp has a culture of disregard for regulatory standards:

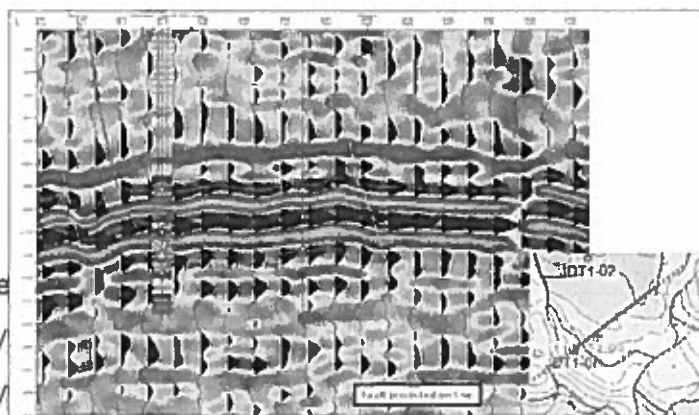
“The disregard for regulatory compliance is endemic to Hilcorp's approach to its Alaska operations...Hilcorp's conduct is inexcusable.”²

What is their record? According to Alaska Department of Environmental Conservation records, over the course of operations in Alaska beginning in 2012, Hilcorp is responsible for over 90 crude oil spills or discharges, including spilling 10,000 gallons on Alaska's North Slope in 2015.³ In 2017, a gas leak in Cook Inlet remained un-repaired for over four months while it leaked roughly 100,000 cubic feet of natural gas per day.⁴ More recently, they are responsible for a 302-gallon crude oil spill on August 3, 2019, and a 126-gallon crude oil spill on October 20, 2019 and 8,000 gallon slop oil spill in 2020.

Seismic Drilling In Protected Lands and Waters

We can reasonably expect that seismic exploration on protected lands and waters will be required for horizontal drilling to occur. See, for example the image below of a seismic survey used for well in Egypt.

SB 62 will bring seismic exploration into our



² AOGCC Notice of Proposed Enforcement

³ <https://dec.alaska.gov/Applications/>

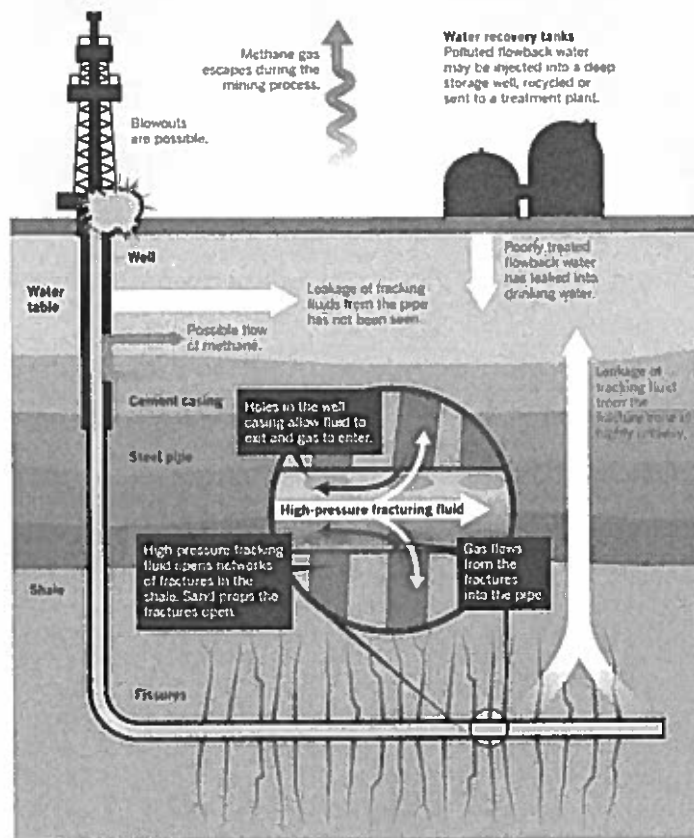
⁴ <https://dec.alaska.gov/Applications/>



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FRACKING FOR FUEL

Hydraulic fracturing is used to access oil and gas resources that are locked in non-porous rocks.



Fracing infrastructure. Illustration from article in Nature, Sept. 15, 2011, Natural Gas: Should fracing stop?, by Robert W. Howarth, Anthony Ingraffea, & Terry Engelder. http://www.nature.com/nature/journal/v477/n7364/fiq_tab/477271a_F1.html

protected lands and waters.

Seismic surveys can be done year after year, as the results of any one proprietary study are not available to any other company. It is well-known that seismic surveys threaten marine mammals, and kill large numbers of zooplankton, disrupting the food web. They have no place in Kachemak Bay CHA, or any of Alaska's State Parks and Reserves. These areas are protected for a reason, and they should stay that way.

Horizontal Drilling Generally Means Fracking

While SB 62 does not explicitly name fracking, according to the US Energy Information Administration, hydraulically fractured horizontal wells accounted for 69% of all oil and natural gas wells drilled in the United States in 2016, and the trend was steadily increasing.

Comments made by DNR during the proceedings in the House Fisheries Committee on HB 82 made it sound likely that fracking would be used in the Kachemak Bay Critical Habitat Area, and there is nothing in the bill to prohibit its use there or anywhere else in the state.

Hydraulic fracturing involves forcing a liquid under high pressure from a wellbore against a rock formation until it fractures. The injected fluid contains a proppant—small, solid particles, usually sand or a man-made granular solid of similar size—that wedges open the expanding fractures. The proppant keeps the fracture open, allowing hydrocarbons such as crude oil and natural gas to flow more easily from the additional surface area to the rock formation provided by the fractures back to the wellbore (the drilled hole) and then to the surface.



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The legislature protected Kachemak Bay and other Public Lands for a reason, and it was not to allow horizontal drilling and fracking.

Fishing vs. Fracking

Legislators might be tempted to think that we can drill, frack and fish in the same regions. But, as can be seen in the information below, the statistics and reports do not support that view. And that is precisely why we have closed some of our most productive habitats to oil and gas extraction. According to the USGS and the EPA, there are a wide range of risks to marine and freshwater associated with both horizontal drilling hydraulic fracturing.⁵

- Stress on surface water and ground water supplies from the withdrawal of large volumes of water used in drilling and hydraulic fracturing;
- Contamination of underground sources of drinking water and surface waters resulting from spills, faulty well construction, or by other means;
- Adverse impacts from discharges into surface waters or from disposal into underground injection wells; and
- Air pollution resulting from the release of volatile organic compounds, hazardous air pollutants, and greenhouse gases.
- It is important to note that the 2005 Energy Policy Act exempted fracking from the Safe Drinking Water Act. This regulatory exclusion is often referred to as the Halliburton loophole and it means that the “produced water” that comes back out of the well does not meet Safe Drinking Act Standards. Produced water is full of heavy metals from the earth, and each well can require up to 40,000 gallons of chemicals to drill. An analysis by researchers at the Yale School of Public Health identified 157 chemicals used in fracking that are toxic.⁶ The back-flow is toxic and presents high risks to fish, wildlife and habitats in protected lands and waters nearby.

We break down some of the risks below.

Water Withdrawals

⁵ <https://www.epa.gov/uog>; https://www.usgs.gov/faqs/what-environmental-issues-are-associated-hydraulic-fracturing?qt-news_science_products=0#qt-news_science_products

⁶ <https://environmentamerica.org/reports/ame/fracing-numbers-0>



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The average water withdrawal in a horizontal drilling and fracking operation is 3 million gallons per well and can be up to 16 million gallons.⁷

Where will the water come from? In the case of Kachemak Bay, most likely from The Anchor River, which is right next to the pad from which horizontal drilling is proposed. The Anchor River has its own Critical Habitat Area upstream, which would be impacted from these withdrawals. In this region, horizontal drilling fracking will mean drawing down water levels in and around the Anchor River—which in turn means warmer water and harm to essential fish habitat in both the Anchor and Kachemak Bay where juvenile fish are rearing and where adult salmon need fresh water to find their way home on the Anchor.

Across Alaska, we can expect that large-scale freshwater withdrawals along the perimeter of areas closed to oil and gas drilling will have significant negative impacts on the protected areas themselves. These withdrawals will directly affect protected areas in cases where water tables and aquifers that cross the boundaries of protected areas are drawn-down—with the potential for direct harm to fish populations, and wildlife as streams, lakes, tundra, wetlands and peatlands all stand to be negatively impacted.

Alaska's waters are already warming, threatening the foundation of our fisheries. According to the US Fish and Wildlife Service, over the past half-century, annual available water has declined 62% on the western Kenai Peninsula; wetlands have decreased 6—11% per decade in surface area on the Kenai Lowlands. Current trends indicate that the southern Kenai Peninsula will lose 10-20% of our snowpack by 2030-2059. The additional stress to our salmon streams and to our protected lands and waters is unacceptable if we want healthy fisheries in the future.

Leaks and Groundwater

Hydraulically fractured horizontal wells are particularly prone to leaks into groundwater. Well bores are surrounded by casings that pass through underground aquifers and groundwater. Casings are meant to act as a barrier between underground water and the shaft through which the toxic frack fluid and gas flow. But casings are known to fail or break, allowing frack fluid and naturally-occurring heavy metals to contaminate groundwater.

Produced water contains high levels of heavy metals that are harmful to living organisms. This is no small matter, when according to studies by Duke University, up to 16% of hydraulically fractured oil and gas wells spill liquids every year.

⁷ <https://environmentamerica.org/reports/ame/fracing-numbers-0>



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When casings fail, frack fluid and methane can leak from the well bore directly into the water supply, causing dangerous gas buildups, and making water unfit to drink, which has occurred all around the country.⁸ For example, *Scientific American* found “a string of documented cases of gas escaping into drinking water – in Pennsylvania and other states.” In December 2011, US EPA released a 121-page draft report linking the contamination of drinking water wells near the town of Pavillion, Wyoming to nearby gas drilling. We cannot allow this kind of contamination in our most productive fish and wildlife habitats.

Kachemak Bay National Estuarine Research Reserve has done some groundwater surveys in the area near Kachemak Bay specified in SB 62. They surveyed 2 groundwater wells near Anchor Point—one hit water at 87 ft and the other is 248 ft below sea level. How many more underwater aquifers are there in the region? Where are they? What is their depth? Can we count on DEC to find out? Can we be sure that these wells won’t be contaminated? Can we be sure contamination won’t harm the Critical Habitat? There is a chance that the activities proposed by this bill could contaminate these and other large aquifers beneath the Kachemak Bay Critical Habitat Area, the Anchor River Critical Habitat Area, as well as water used by Anchor Point residents. Lastly, a blow-out is always a scenario that must be considered.

SB 62 would be in direct conflict with Alaska Statute 16.20.500, which states that the purpose of the Kachemak Bay and Fox River Flats Critical Habitat Area is “to protect and preserve habitat areas especially crucial to the perpetuation of fish and wildlife, and to restrict all other uses not compatible with that primary purpose.”

Harm to Key Industries

Horizontal drilling and fracking take too much fresh water (from salmon streams and aquifers and reservoirs that feed salmon streams), they make too much toxic water, are too likely to hit underground aquifers, and statistically have too many spills and leaks of toxic water. We can’t both drill, frack and fish in the Kachemak Bay CHA, or in any other protected area.

Harm to fish populations, wildlife, and critical habitats will hurt
Commercial Fishermen, guides, lodges, and the broader tourism

⁸ Abrahm Lustgarten and ProPublica, “Drill for Natural Gas, Pollute Water,” *Scientific American*, 11/17/2008

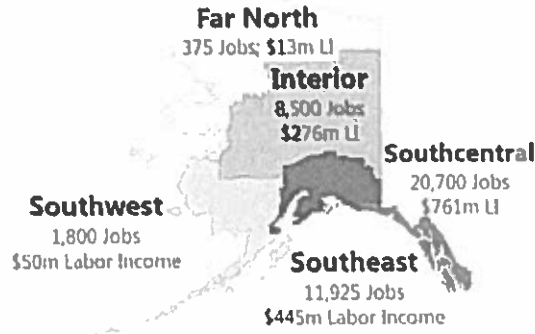


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industry in the Kachemak Bay region and across Alaska. These are industries are a key pillar in the Alaskan economy.

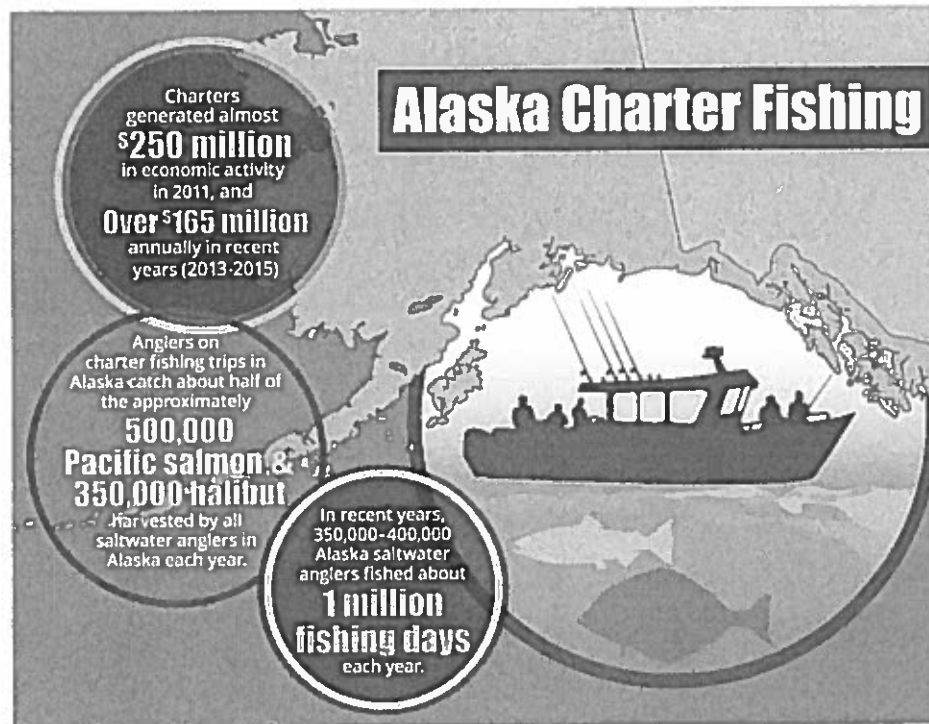
According to the 2018 “Economic Impact of Alaska’s Visitor Industry” by the McDowell Group, Alaska’s visitor industry has shown strong growth over the last decade, reflecting significant increases in visitor volume. Between 2008 and 2017, visitor volume increased by 15 percent (and by 27 percent since the industry’s low point in 2010), reaching a record 2.2 million visitors in 2017. Over the same period, the number of visitor industry jobs grew by 20 percent; and both labor income and economic output grew by 32 percent. Growth in the Kenai Peninsula and in the is particularly significant.

Economic Impacts of Alaska’s Visitor Industry, 2017, by Region



2018 “Economic Impact of Alaska’s Visitor Industry” by the McDowell Group

Consider, for example, the charter industry, which would be one of the sectors most directly effected in the Kachemak Bay region. In 2019, NOAA Fisheries released the first full estimate of the economic contribution of the charter fishing sector in Southern Alaska. They estimated that the charter sector generated almost \$250 million in economic activity (measured in total regional output) in Southern Alaska in



<https://www.fisheries.noaa.gov/feature-story/alaskas-valuable-recreational-fishing-industry>



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2011 and more than \$165 million annually in recent years (2013-2015). In recent years, between 350,000 and 400,000 Alaska saltwater anglers fished about 1 million fishing days each.

Costs to the State of Alaska

Since horizontal drilling and fracking uses enormous amounts of fresh water and presents significant risks to surrounding waterbodies, these processes will need to be monitored and permitted through the Department of Environmental Conservation (DEC). This will cost money. It is not possible that the fiscal note for SB 62 is zero. DEC needs to write an impact assessment for fresh-water withdrawals and disposal of "Produced Water." DEC needs to write a fiscal note for the cost of managing wells that passing through underground aquifers in protected areas.

Since our protected lands were set aside by the legislature to protect fish, wildlife and habitats, and drilling underneath our protected lands has a high risk of harming them through all the processes outlined above, impacts to fish and wildlife and habitats in our protected lands and waters will need to be assessed and monitored by ADF&G and DNR, and this will cost money. Costs of monitoring impacts of seismic work, and impacts to underground aquifers, rivers, and lakes, are of particular importance. ADF&G and DNR need to write a fiscal note for the cost of this bill.

*

In conclusion, we repeat, SB 62 would be in direct conflict with Alaska Statute 16.20.500, which states that the purpose of the Kachemak Bay CHA is to:

“protect and preserve habitat areas especially crucial to the perpetuation of fish and wildlife, and to restrict all other uses not compatible with that primary purpose.”

In all likelihood, it is also in direct conflict with the statutory purpose of every other State Park, Game Refuge or Sanctuary, Critical Habitat Area where it would be applied. Please vote this down.

Sincerely,
Roberta Highland,

President, Kachemak Bay Conservation Society

NO to SB 62

Date	Name	Email	Zip Code	Additional Comments
1 03/21/2022 12:54:48 am	Amelia Sikes	asikes@alaska.edu	99709	
2 03/19/2022 10:52:22 pm	Sharon Brooks	bodmarhohe@gmail.com	99603	
3 03/19/2022 4:57:17 pm	Carlin Rauch	crauchus@gmail.com	99603	HELL NOI I vehemently oppose this bill.
4 03/19/2022 3:36:55 am	Dora coen	hooberbear@gmail.com	99603	No on house bill/82 sb62
5 03/18/2022 2:19:12 am	McKenzy S Haber	McKenzyHaber17@gmail.com	99603	Leases were bought back for \$25 million. No means no. No drilling, no horizontal drilling. No to Hilcorp!
6 03/18/2022 9:24:15 pm	Kat Haber	KatHaber@aol.com	99603	Fracking has no place in Kachemak Bay waters and should be banned in Cook Inlet completely. Hilcorp cares not for our clean waters based on the evidence of their extensive spills
7 03/18/2022 8:10:11 am	Cynthia Morelli	cmorelli14@gmail.com	99603	
8 03/17/2022 11:57:00 pm	Elizabeth Kandror	zehoelzabet@gmail.com	99603	House Bill - 82 and Senate Bill 62. I am against drilling on and around Kachemak Bay.
9 03/17/2022 9:55:36 pm	Sandra Murray	Jere_Murray@yahoo.com	99663	NO, NO, No.
10 03/17/2022 9:54:17 pm	Jere Murray	jerefmurray@gmail.com	99663	OMG, Not only NOI but Hell NOI
11 03/17/2022 8:32:16 pm	Sierra Moakios	saxmoakios@gmail.com	99603	
12 03/17/2022 8:06:41 pm	Rob Lund	summerlund@alaska.net	99603	
13 03/17/2022 5:48:45 pm	Derek J Bynagle	dbynagle@gmail.com	99603	
14 03/17/2022 4:00:00 pm	Eric Knudtson	eknudtson@gmail.com	99603	
15 03/17/2022 3:34:26 pm	Jim Lavrakas	jlav@ci.net	99603	Absolutely opposed to HB82/SB62.
16 03/17/2022 12:10:29 pm	Michelle Michaud	akabonblider@gmail.com	99603	Please leave Kachemak Bay alone. Stop the madness.
17 03/17/2022 8:40:18 am	Michael Romanovsky	lamascala@gmail.com	99603	
18 03/17/2022 6:23:06 am	Jordan Jackinsky	medicinedlight@gmail.com	99603	
19 03/17/2022 4:07:11 am	Ed Berg	edwardberg100@gmail.com	99603	Any oil and gas development in or under the Kachemak Bay and Anchor River Critical Habitat Area presents a risk to the fish and wildlife resources of those areas. The value of these public resources far outweighs the value of a few years of oil and gas profits for a private company.
20 03/17/2022 3:28:45 am	Terri Spigelmyer	terrie@ak.net	99603	
21 03/17/2022 3:05:35 am	evelyn	earthcrags2@gmail.com	99603	please help us move toward clean energy
22 03/17/2022 2:56:50 am	Robert Glen	bglen.ak@gmail.com	99603	No! This is a critical habitat area. The risks to the resource are not worth it.
23 03/17/2022 2:22:41 am	Judith C Lund	jclundm@gmail.com	99603	These bills threaten the fishing, tourist industries. We need to distance ourselves from the dependence on extractive industries and develop a more diverse economy.
24 03/17/2022 2:08:25 am	Carol Swartz	cswartz165@gmail.com	99603	
25 03/17/2022 2:04:38 am	Robert Cole	colembert561@gmail.com	99603	
26 03/17/2022 1:29:47 am	Melissa Teichman	dyledog@southlink.net	99603	
27 03/17/2022 12:53:06 am	Louise Seguela	daveylouiseandglen@gmail.com	99603	no. just no.
28 03/17/2022 12:51:53 am	Lewis Hinnant	trillhennet@gmail.com	99603	
29 03/17/2022 12:20:16 am	Michael A LeMay	algoodknomo@hotmail.com	99603	
30 03/16/2022 11:18:38 pm	John Lapkase	jlapkase@alaska.net	99501	
31 03/16/2022 11:18:31 pm	Jane Wiebe	janeWiebe@gmail.com	99603	
32 03/16/2022 11:17:33 pm	Osa Tham	osa@akhoop.us	99501	
33 03/16/2022 10:52:46 pm	Barbara Veeck	bannveeck@gmail.com	99603	Please protect Kachemak Bay!!
34 03/16/2022 10:06:23 pm	Louis Dupree	captlou2@gmail.com	99603	
35 03/16/2022 9:48:00 pm	Helen Gustafson	ngust128@gmail.com	99603	NO to Oil and Gas in K-Bay and Alaska's Protected Land!
36 03/16/2022 9:41:10 pm	Mary Lou Kelsey	mikekelsey53@gmail.com	99603	Protect K Bay!
37 03/16/2022 9:36:18 pm	Gerard Garand	garandg@outlook.com	99603	Please! Stop promoting fossil fuel development. Please! Support renewable energy. Thank you, Gerard Garand
38 03/16/2022 8:54:25 pm	James and Brenda Dolma	dolma@ot.alaska.net	99603	Protect our precious bay, it is critical.
39 03/16/2022 8:47:00 pm	Patricia L Cus	pcus@alaska.net	99603	
40 03/16/2022 8:08:37 pm	Diane Patch	dpatch@alaska@gmail.com	99603	
41 03/16/2022 4:55:20 pm	Theresa Lawandowski	theresalew@gmail.com	99603	I can't imagine that visitors to Kachemak Bay will want to come to see offshore oil rigs and the bright lights on the rig site. I can't imagine that the Homer Spit and Kachemak Bay would survive as a beautiful visitor destination. This seems a hideous idea.
42 03/16/2022 4:53:28 pm	Stuart Schmutzler	alschmutz@gmail.com	99603	
43 03/16/2022 4:31:16 pm	Michael Bavarsky	mbavars@yahoo.com	99603	No oil development in or near Kachemak Bay!
44 03/16/2022 3:17:18 pm	Ruth Dickerson	ruthdickerson@gmail.com	99603	I have major concerns about the harmful and depleting effects on the water table. Water is LIFE
45 03/16/2022 2:21:38 pm	Jennifer DePesa	landepesa@yahoo.com	99556	
46 03/16/2022 1:46:50 pm	Mary Schneider	maryschneider64@gmail.com	94105	My daughter lives in Alaska and studies fisheries. The Alaskan waterways and land provide a lifestyle unique to our country. Please preserve the wildlife and sealife of Kachemak Bay by taking explorations and fracing elsewhere.
47 03/16/2022 8:53:49 am	James Arndt	jmarndt90@gmail.com	99603	Vote no on HB 82.
48 03/16/2022 8:41:37 am	Jill Rife	jlrife@gmail.com	99603	Hell no HB 82/SB 82.
49 03/16/2022 8:20:28 am	Kathy Sarna Irwin	kathy@sarna@gmail.com	99603	

50	03/16/2022 5:54:51 am	Cristen San Roman	cristen.sanroman@hotmail.com	99603	Alaska is known for and revered for it's healthy, wild ecosystem. There are protections in place for particularly special areas and critical habitats, like Kachemak Bay, and these bills blatantly ignore these protections. To support these bills is to go against what Alaskans fundamentally thrive off of... rich, untouched and prosperous lands, fish and wildlife. Most of the state is open to exploration and development of natural resources, so the few protected places we have must maintain their rights. Please oppose HB 82 and SB 82.
51	03/16/2022 2:38:29 pm	Corina Panyar	corina.panyar@gmail.com	99603	
52	03/16/2022 5:52:40 am	Sharon Baur	sharon.baur@yahoo.com	86444	
53	03/16/2022 5:52:16 am	Sharon Baur	sharon.baur@yahoo.com	86444	
54	03/16/2022 5:50:13 am	Morgan	bouchryva15@gmail.com	99676	No fracking!!!! I grew up near an area completely destroyed by fracking and lived in other states with horrible lasting damage from fracking. It must be stopped!!
55	10/07/2021 4:44:18 pm	Rachel Parks	rachel.parks18@gmail.com	97520	
56	06/04/2021 1:33:51 am	Joah Wasilewski	Morganasenthorn@gmail.com	99663	As a Kachemak Bay and Lower Cook commercial salmon and halibut fisherman, I oppose any and all types of oil and gas development in this region as has the fishing community here since the 1970s.
57	06/03/2021 10:18:18 pm	Dora Coen	booberbear@gmail.com	99603	
58	05/03/2021 12:44:36 am	Lilly Ryterski	lillyryterski@gmail.com	99603	No
59	05/02/2021 4:07:28 pm	Gordy Vernon	gogovamon@yahoo.com	99603	Dunleavy's administration is drunk on oil like sailor who has finished the bottle of rum and doesn't realize the bottle is gone
60	05/02/2021 2:09:50 am	Susan Pacillo	alaskafries@yahoo.com	99515	
61	06/01/2021 5:43:34 pm	THERESE LEWANDOWSKI	thereselw@gmail.com	99603	Please don't let Kachemak Bay be fouled by "profits first" mentality.
62	04/30/2021 7:46:18 pm	Nicole Arevalo	geneshackmanwho@yahoo.com	99603	It's a critical habitat area. The oil and gas development needs to steer clear of it. That's the only sensible way to manage development in this prolific estuary, which is so critical to the economy and livelihoods in southcentral Alaska.
63	04/30/2021 4:03:46 pm	Richard Gustafson	rgust71ak@gmail.com	99603	
64	04/30/2021 9:33:44 am	Rick Ejnar James	birdie@mtaonline.net	99687	
65	04/30/2021 6:06:01 am	Anne Wisland	agocau@yahoo.com	99603	This plan must not be allowed to take place. Keep the renewable fisheries safe from ruin by fossil fuels.
66	04/30/2021 4:25:14 am	Devry Garity	coyotem1@gmail.com	99603	I want you to vote no on HB 82. We need protection for our food, water and environment.
67	04/30/2021 2:01:53 am	Marjorie Ringer	shasta@xvz.net	99603	
68	04/30/2021 1:21:09 am	Lee Page	gonn9135@protonmail.com	99603	I am firmly against HB 82. Lateral drilling endangers critical habitat areas. We need to put our efforts into renewable energy and move away from drilling for more fossil fuels.
69	04/30/2021 12:34:46 am	Carol Swartz	cswartz185@gmail.com	99603	
70	04/30/2021 12:23:54 am	Robert Cole	colerobert561@gmail.com	99603	
71	04/30/2021 12:22:57 am	Michael A LeMay	aligoodkarma@hotmail.com	99603	
72	04/30/2021 12:11:54 am	Kathryn L. Carasow	kncarasow@live.com	99603	
73	04/29/2021 11:32:05 pm	Mildred Martin	milmom37@gmail.com	99603	
74	04/29/2021 11:26:22 pm	Mary Griswold	mori@xvz.net	99603	
75	04/29/2021 11:18:58 pm	Kevin Walker	bomperkev@gmail.com	99603	
76	04/28/2021 4:43:14 am	Madeline Lee	madellinas99@gmail.com	99603	This cannot happen in Kachemak Bay. We don't know enough about what the repercussions of fracking will have on the critical habitat in Kachemak Bay. This would be devastating to our community.
77	04/28/2021 4:41:56 am	Anna Ujjedahl	annokilljedahl@gmail.com	99603	
78	04/27/2021 6:56:03 pm	Penelope Haas	pnh02003@myemail.no.mono.edu	99603	Alaska's protected lands and waters are an essential part of our identities and economies. Do not allow fracking in them.
79	04/27/2021 6:46:01 am	Tyler Katzmar	tkatzmar63@gmail.com	99507	
80	04/27/2021 4:46:26 am	River Gates	hrivergates@gmail.com	99515	
81	04/27/2021 1:20:02 am	Francis Barton	hendriandmusic@gmail.com	99615	Protect Kachemak Bay, don't destroy it.
82	04/23/2021 4:31:02 am	Rika Mouw	rikamouw@gmail.com	99603	
83	04/23/2021 3:11:11 am	Laurel Epps	gathfinderak@icloud.com	99502	Please vote NO!!
84	04/23/2021 3:06:57 am	Neil R Wagner	nell@austalnablehomer.org	99603	Hello, I am totally against HB 82. Please have some concern for Alaska. Instead of risking our marine environment for money, PWS has many species in decline after the Exxon Oil Spill. Don't risk out future over oil when we have the option for renewables. Thank You Neil Wagner
85	04/23/2021 3:06:21 am	Sue Christiansen	suechristiansen@yahoo.com	99603	
86	04/23/2021 3:02:47 am	Nina Faust	aknina51@yahoo.com	99603	Fracking under Kachemak Bay Critical Habitat Area is unconscionable because it is a sneaky way to circumvent the regulations. Fracking can affect aquifers that are in the area. Please do not let this bill pass.
87	04/23/2021 2:58:45 am	Kate Finn	hundresthmonk21@gmail.com	99603	There is NO WAY in good conscious we can allow this to happen in our Bay or Inlet!!
88	04/23/2021 2:58:07 am	Ginger Draia	gdraia2021@gmail.com	99603	NO way to HB82!!!
89	04/23/2021 2:57:56 am	Mary Frische and Tom Coile	friloppy@gmail.com	99603	
90	04/23/2021 2:56:59 am	Anna Wolfson	anna.wolfson@gmail.com	99603	
91	04/19/2021 6:53:19 am	Tyler R Henegan	tyler.henegan@gmail.com	99507	
92	04/16/2021 6:31:18 pm	Dawn Nixon	dawnmixon@yahoo.com	99611	
93	04/15/2021 7:26:01 pm	Joe Jacob	joecobab@windspiring.com	99568	
94	04/16/2021 5:11:57 pm	Laura Hagar	lhagard@yahoo.com	80451	PLEASE DON'T DO ANYTHING TO POLLUTE THE WONDERFUL SEAFOOD THAT COMES FROM ANYWHERE IN ALASKA!!! Save the jobs of those that fish, crab, and support those industries by cancelling all leases for O&G & mineral development ANYWHERE in ALASKA'S WATERS!!!

95	04/15/2021 4:43:06 pm	Scott P Miller	scottyusan@gmail.com	99603	The lives of those of us who live here should matter more than profit for outside interest
96	04/15/2021 3:43:45 pm	Jessica Garron	jessica.garron.ak@gmail.com	99709	Please use the effort and funding that would be applied to HB82 to identifying ways to increase renewable resource development in Alaska.
97	04/15/2021 3:34:24 pm	Russell Miller	rutical3@gmail.com	99556	Flying helicopters for 20 years, working for petroleum and mining. Money was always more important to the companies than the environment. I chose the planets health over wealth. 25 years off grid with solar and wind and have never ran out of power, if I can do it anyone can.
98	04/15/2021 3:25:11 pm	Wray Kinard	ckinard@ak.net	99511	
99	04/12/2021 6:19:46 am	Alisha Chartier	ams306@humboldt.edu	99663	
100	04/10/2021 8:58:09 pm	Robert E Archibald	roberr.e.archibald@gmail.com	99603	
101	04/10/2021 8:57:35 pm	Roberta K Highland	roberr.e.archibald@gmail.com	99603	Lets stop this
102	04/08/2021 5:55:27 pm	Leonard Peck	yellowmoosetrack@hotmail.com	99654	Purely threatening the resources and livelihoods of the area and its inhabitants, this whole notion of more natural gas and oil development needs to be relegated to the past, with wind, wave, solar and such being the only future the earth can sustain.
103	04/08/2021 2:49:05 pm	Carla Osorio	carlaosorio.napjio@gmail.com	80207	
104	04/08/2021 8:56:47 am	Coal Smith	coal@akclimateaction.org	99603	
105	04/08/2021 4:24:04 am	Laurie Daniel	lauriedanielinc@hotmail.com	99603	
106	04/08/2021 4:01:56 am	Janel Harris	janelharris258@gmail.com	99663	This would affect my livelihood as a sightseeing tour operator on Kachemak Bay. I want to keep this detrimental operation away from Kachemak Bay. My job depends on it.
107	04/08/2021 3:57:13 am	Nina Faust	nkinna51@yahoo.com	99603	Kachemak Bay is off limits to oil and gas exploration. I do not support this back door way to drill the Bay.
108	04/08/2021 3:48:00 am	Kristin Debbin	Kdebbin@yahoo.com	99577	
109	04/08/2021 3:46:07 am	Chelsea Vukovich	chetsarin@gmail.com	99516	
110	04/08/2021 2:40:46 am	Philip F Moser	pmoser4@gmail.com	99801	
111	04/08/2021 2:15:55 am	Sue Christiansen	suechristiansen@yahoo.com	99603	Please do everything you can to keep oil and gas out of Kachemak Bay.
112	04/08/2021 2:10:00 am	Elvira Paschke	varapasschke@hotmail.com	99508	
113	04/08/2021 1:48:41 am	Charlene Insley	insleyarigallery@aol.com	98407	Protect our Earth, please.
114	04/08/2021 1:39:20 am	Mark Haldane	markhaldane@gmail.com	99501	
115	04/08/2021 1:31:32 am	ANGELA FERRARI	ferriandangel@gmail.com	99517	
116	04/08/2021 1:21:22 am	Armon Coleman	armonboyda@gmail.com	99663	Close Kachemak Bay to oil and gas development.
117	04/08/2021 1:13:31 am	Bjorn Olson	bjorkbjorn@gmail.com	99603	
118	04/07/2021 8:08:59 pm	Barbara Wyatt	bwyattworks@gmail.com	99603	
119	04/07/2021 6:07:42 pm	Aaron Levy	aaronlevy2010@gmail.com	99603	NO OIL AND GAS IN KACHEMAK BAY! What is more important? The profits of an outdated and unsustainable industry or the health of the critical and fragile ecosystems we all rely on? Clearly the natural environment is more important. Please stand against the exploitation of our land and water!
120	04/06/2021 2:58:32 am	Barbara Veeck	bannvveeck@gmail.com	99603	NO on HB 82 - Please, fossil fuels threaten our way of life-they are not the future
121	04/06/2021 12:07:23 am	Frank Ragulsky	ragulsky4@comcast.net	99603	
122	04/06/2021 11:26:38 pm	Amber Fleenor	momof4naks@yahoo.com	99603	Kachemak Bay is a pristine wonderland! No amount of money could ever replace the true value of Kachemak Bay.
123	04/06/2021 10:53:52 pm	Drew Jacobs	proldrew@hotmail.com	8016	
124	04/06/2021 10:36:48 pm	Claire Waxman	clairewaxman@gmail.com	99603	
125	04/06/2021 3:33:47 am	Melisa Miller	ladyminak@gmail.com	99603	
126	04/05/2021 12:06:46 am	KATHY SARNS IRWIN	kathyarns@gmail.com	99603	
127	04/04/2021 8:58:05 pm	Karianna Ford	kariannaford@gmail.com	99603	
128	04/03/2021 6:57:41 pm	Rika Mouw	rikamouw@gmail.com	99603	
129	04/03/2021 4:31:57 pm	Mildred Martin	milmom37@gmail.com	99603	It seems like an endless battle to save Kachemak Bay, but worth it. Been fighting for it since 1968, time to permanently protect it.
130	04/03/2021 4:25:06 pm	Mildred M Martin	milmom37@gmail.com	99603	
131	04/03/2021 3:32:18 pm	Mark Turner	harvestharrow@gmail.com	99603	
132	04/03/2021 3:22:19 pm	Daniel Perry	perrydaniel@mac.com	99603	
133	04/03/2021 4:38:42 am	David Godfrey	matdavidgodfrey@gmail.com	99603	
134	04/03/2021 3:37:12 am	Judith A James	jamesj@ecu.edu	99603	We cannot afford the risk of major catastrophe in this rich, bio-sensitive area of lower Cook Inlet. I urge you to vote against HB 82!
135	04/03/2021 2:56:58 am	Kevin Walker	homerkev@gmail.com	99603	
136	04/03/2021 2:01:54 am	Patricia L Cue	pcue@acsalaska.net	99603	
137	04/03/2021 1:36:02 am	Michael A LeMay	allgoodkarma@hotmail.com	99603	
138	04/03/2021 12:06:56 am	Mark Luttrell	prodrack@arcic.net	99664	
139	04/03/2021 12:03:10 am	Lawrence J. Radcliffe	lir52085@gmail.com	99603	
140	04/02/2021 11:27:50 pm	Cristen San Roman	cristen.sanroman@hotmail.com	99603	
141	04/02/2021 8:49:53 pm	Robert E Archibald	roberr.e.archibald@gmail.com	99603	This will set a precedent for future legislation which will endanger protected areas.
142	04/01/2021 10:57:20 pm	Bridget Maryott	discoverthinner@gmail.com	99603	