PEBBLE PROJECT

SCOPING MEETING

HOMER, ALASKA

Taken Wednesday, April 11, 2018 Commencing at 5:00 p.m.

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Taken at
Homer High School
Homer, Alaska

Reported by: Leonard J. DiPaolo, RPR, CRR, CCP

A-P-P-E-A-R-A-N-C-E-S:

For U.S. Army Corps of Engineers:

Shane McCoy Program Manager

Katie McCafferty Project Manager

For State of Alaska, Department of Natural Resources, Office of Project Management and Permitting:

Kyle W. Moselle Associate Director

For AECOM:

Bill Craig Project Manager

Jon Isaacs Public Involvement Task Lead

Patty Murphy Stakeholder Engagement

Jessica Evans Stakeholder Engagement

Taken by: Leonard J. DiPaolo, RPR, CRR, CCP

BE IT KNOWN that the aforementioned proceeding was taken at the time and place duly noted on the title page before Leonard J. DiPaolo, RPR, CRR, CCP, and Notary Public within and for the State of Alaska.

PROCEEDINGS

DANIEL BOONE: I think this is a sham for a public hearing. I strongly believe that we have the right -- the need and the right to express ourselves orally in an open public forum.

The object here, or the goals here are not to see how quickly we can get through these hearings. The object is to hear and address public comments. And this setup seems to be designed to do exactly the opposite, to discourage people from commenting. Nobody knows what anybody else said.

You know, we've said before, and we'll say it again, that the people of Homer do not like the Pebble Project. We don't want the mine. We don't want Pebble Mine. The environmental hazards and risks are just too great.

That's pretty much it. But I'm very disappointed in this public meeting.

BRYAN ZAK: Well, I appreciate the opportunity to provide testimony here in Homer, Alaska this evening. And my concern regarding the Pebble Project would be the proximity to Bristol Bay and salmon streams and the sustainable economy surrounding our salmon.

And not only that, yesterday also I

heard from the local KBBI Public Radio station that
the bear viewing that currently goes on over there
where a lot of tourists travel over there to view
bears would not be far from the mine site also. And
so just the additional impact on the environment would
certainly change what is right now pretty much a
natural opportunity for the bears and the tourists to
be able to interact.

So when we look at the impact to the economy, we have to be, first of all, mostly cautious of all of the sustainable salmon streams in the bay there.

And so the location of the mine in particular is, compared to any other mine in Alaska, more impactful because of its proximity to the Bristol Bay. And it's not just where the deposit is, but it's where all of the infrastructure that would require the minerals to be expelled from the mine and taken and transported away from the mine, all of the additional projects, it would create jobs and capital infusion; however, the cost to what could go on for, indefinitely as far as the salmon industry, thousands of years into the future, you know, as long as none of our volcanos over there decide to end it all.

Until then we've certainly got a

renewable resource that we would rather see maintained and a higher precedent put on to that renewable resource.

TIM STEINBERG: So yes, I just feel it's the wrong mine at the wrong place. I'm very concerned about -- that they are saying it's a little mine, when you know darn well they are going to make it into the world's largest mine. And the dam and the largest open pit mine near the headwaters of salmon streams is not a good idea, especially with the volcanic activity that's across the bay.

And I'm very concerned about what it's going to do to the highway system with all those trucks going up and down from Homer and Anchor Point, what it's going to do to the harbor. I don't think we have the capabilities to add that many types of things.

So anyway, and I'm really -- I'm afraid of what the impact is going to be on McNeil with the bears. That road is so close to there that you know they are going to have problems from that, four-wheel drives and ATVs and et cetera.

I am a miner, I'm an amateur one, so I'm not against mining in Alaska, I'm just against that one at that place. I love salmon and I think it's too

1 big of an industry to mess with. I appreciate it. CHARLES CRAMPTON: Well, I have two 2 I've worked as a technician and a scientist. 3 degrees. I have a year's worth of graduate level statistics. 4 I've been involved in the Green Revolution breeding 5 program, so my background has been in statistics and 6 7 genetics. I'm vehemently opposed to the Pebble 8 9 Mine. It's going to destroy the genetic plasticity of the salmon stock and anything else that's living up 10 11 there. The statistics as I understand that they 12 13 have collected, is -- the mining company, what they have collected has not been put into a user-friendly 14 15 There is no way of doing exploratory data database. 16 analysis or any sort of data analysis by independent people that doesn't have the interest in the mine 17 18 itself. 19 And I've never known a salesperson to mislead, misdirect, been a shyster of any sorts. 20 21 I'm quite sure that this mining company has no vested interest in not getting good information out there. 22 23 But the raw data needs to be put into a 24 user-friendly database where exploratory data analysis

That's what I have to say.

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can be done.

JESSIE NELSON: I would just like to say that if this project were to go forward, I would like to see some salmon mitigation, like at Amakdedori Creek where the dock is proposed, I think, and there is a little red salmon run of only, like, 1500 fish, so it's not very many. But if some nice gravel ponds could be made there, we could boost that runway up where it would be a commercially viable fish run. I think there is coho in there as well. But mainly for sockeye salmon, I think it could be very beneficial.

And then also Cook Inlet Aquaculture put some fish into Kirschner Lake, which is not too far away. And maybe if their equipment is over there, they could help make a little road up to there where we could do what we need to do with our fish that we have up there.

I've been over there a lot, and I think holding that dock out at Amakdedori is going to be pretty tough, because there is reefs and everything around there. I'm sure they probably would survey it and everything.

But anyway, it's good to get the plan out so we can see what we're dealing with and go from there, I guess. That's about all I have to say.

DANIEL LUSH: I started fishing with my

family in 1970 in Cook Inlet. I have fished here for 1 many years in the summers and in Bristol Bay four 2 times now. I've owned Bristol Bay permits. I worked 3 for the Alaska Department of Fish & Game when I was in 4 college, and I believed in the salmon and the 5 lifestyle of the people in Western Alaska. 6 7 One of the first things I ever believed 8 in was that I wanted to see the fish stocks improved. 9 I later became a pastor. My belief in God is very tied up with my belief that the world 10 needs to be protected from more pollution. My spirit 11 is very vexed by the whole idea of a giant corporate 12 13 industry in the headwaters of the salmon of the Nushagak -- I'm sorry, of the Kvichak District in 14 15 Bristol Bay. Therefore, I'm against playing dice with 16 the livelihood and the future of the region of Bristol 17 18 Bay. That's it. CLYDE BOYER: 19 Born in Juneau, I've lived 20 in Southcentral Alaska since 1964. And I've 21 traveled -- done a lot of traveling around the world, and wherever there has been big copper mines and big 22 23 gold mines around streams, the streams are dead and 24 the people will suffer. That's exactly what will 25 happen here. There is no way they can engineer it.

And by the time a problem does develop, those companies will be long gone, because it will actually take quite a few years for it to happen, and they won't be around to pay for the cleanup. And the disaster will have happened to the people of Bristol Bay and the people of Alaska, and the people around the world who eat Alaska salmon will be harmed.

DENNIS ANDREWS: I think that this drainage over there, the Kvichak and Iliamna Lake, that whole watershed there is a gold mine. It's like a kid's nursery rhyme, you know, it's Jack and the Beanstalk, it's The Goose That Laid the Golden Eggs, and putting that thing at risk with a mine of this scale is truly insane. I mean, it begs the question, is anything sacred anymore, or does it always have to be the money comes first?

And that mine over there, one of their arguments is, or one of their -- they are trying to get their foot in the door with the smaller scale mine. They are going to take and they are going to -- if they can get in there, they will have their foot in the door, and they will expand it eventually, expand it to the full size.

And they talk about jobs, all these jobs. If those people could talk, could go over there

and extract that money out of the ground and not have to hire anyone, have it all automated, they would do just that. They don't really care about the jobs. They said they want the money and they have to hire some people over there, but the jobs and the economic benefits from that area far outweigh the mining.

I guess that's about all I have to say about it. And I hope to God they don't do it. I hope to God they don't do it and people are able to shut that mine down. It's just so important.

SHARON HENRY: A similar mining area in Washington state in the Cascade Mountains was mined a hundred years ago. The gold was similar to what they are taking out, want to take out of Pebble, in that it's amalgamated gold. It was full of arsenic, mercury, and lead. That was a hundred years ago.

They just recently did a cleanup of the area, stirred up all the lead, mercury, and arsenic again, but a hundred years later, no chinook salmon are coming up the Sauk River. It's one of the major rivers in western Washington.

Many of us who spent a lot of time up there got cancer. A high proportionate amount of us got cancer because we were in lead, mercury, and arsenic and didn't realize the danger of it.

But in this case what I'm saying is that in a hundred years, the river did not recover. So that's basically what's on this. They had to sacrifice two lakes after the cleanup two years ago in order to dump all of the contaminated materials, in addition to logging an area and digging an enormous pit, which they lined with plastic, and that was a quote, and filled that pit with the contaminated materials in addition to the Monte Cristo Lakes, which they sacrificed.

LISA KREBS: My name is Lisa Krebs, and I've been fishing in Bristol Bay for 25 years now, and my husband also fishes with a drift boat. I setnet. My daughter has a drift boat. Her husband also has a drift boat, and my son setnets, so I obviously have a strong family connection to Bristol Bay.

And my feelings are that it's impossible to have a mine in the area of Bristol Bay. Any kind of mine there can damage a very pristine run of fish that could be completely wiped out with any kind of accident. I don't believe it is possible to have a mining -- a tailings mine, tailings pond stay intact. Eventually it will leak, and it will damage forever a very special area that cannot recover from that.

This is a very healthy and renewable

resource where many families, many communities greatly depend on, and in a way it is also -- these are salmon cultures, especially in these villages, but even in my family, it is a bit of a salmon culture that ties us all together. It's also a very big employer for the state, is fisheries.

A mine of this scope will destroy the salmon run and would, in turn, destroy these villages and other families that have depended on this fishery. I cannot imagine a mine of that size and a dam being permitted. Eventually there would be an accident, and even with a rumor of an accident, it can harm the markets of Bristol Bay salmon. I'm very much against this mine in this location. Thank you.

GLENN CALDWELL: My name is Glenn
Caldwell, I've lived in Homer since 1984. The most
stunning thing to me today is that we are here trying
to bring common sense to an entity that doesn't seem
to understand.

I can't believe that we have to argue to keep our resources, our waters, our streams safe for the children that we are raising and the children that they will be raising. It just doesn't make sense that we have to keep arguing about this, all apparently in the name of get rich at any cost. I just can't

believe that we still have to come down here and argue 1 for common sense. 2 3 Please protect the waters of Alaska. They are our lifeblood, our lifestyle, and we want 4 5 them to be here forever. ERNEST SUOJA: Economic geologists are 6 7 fond of pointing out that if you can't grow it, you 8 have to mine it. Granted, the world needs copper, 9 gold, molybdenum. Does it need the controversial Pebble Mine? 10 11 The question is, do we trade fish for Unfortunately, the troubling environmental 12 metals? history of metal mines is long lasting. Having a 13 foreign mining company, because of greed and 14 15 short-term gain, put at risk a part of Alaska that is who we are is very short-sided. 16 The Pebble plan, as I see it, is using 17 18 many of the same failed techniques of the past. Every 19 decision will be made to benefit American workers and 20 American families. This is taken from President 21 Donald Trump's inaugural address. Why help a foreign 22 country take long-lasting American jobs? 23 And I know I spoke in generalities, but 24 some of the mining techniques that they are using have

failed in the past, and they will fail here in the

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Ring of Fire with the earthquakes and just the terrain itself. It's lending itself for a disaster.

I would be very much in favor of the Pebble plan if they posted, say, a hundred billion dollar bond to correct some of the environmental damages that they could do and re-compensate the people that will be losing their livelihoods.

MARK MUNRO: I lived in Alaska for 40 years. We make our living commercial fishing in Bristol Bay. And I also have another business where we do bear viewing. We have an airplane and we take people out bear viewing. So both areas that are going to be impacted by this proposal are directly going to impact my livelihood, A, in Bristol Bay; and for all the reasons I'm sure everyone has said, there is no way that this mine is not going to detrimentally affect the salmon fishery over there.

But the Cook Inlet side, you know, where they are proposing to have the terminal, that's a prime bear viewing area where we take people over there bear viewing. It's a sustainable business. We do that all summer long, and they are there to see a pristine wilderness experience. And if they were come to see a big industrial site such as being proposed, it's going to degrade their experience pretty heavily.

And I see no reason that they can't just leave those resources in the ground for future generations. Perhaps the salmon stocks will falter for some other reason in generations to come. At that point they could harvest -- they could make a mine then. But right now it's too dangerous.

And I lived through the Exxon Valdez oil spill, and I saw what industry gone wrong can do to a natural environment, and I am adamantly opposed to this proposal.

STEVE ALBERT: I wanted to present a map of all of the fish streams, anadromous and resident, that are in this project area. I want people to see this, but I have -- do you have Internet access?

CATIE BURSCH: As far as suggestions for the Army Corps of Engineers, it's hard to make specific suggestions, because I think myself and other people don't really trust the process, and we don't trust the Army Corps to examine this as thoroughly as it needs to be examined.

That said, something that I think would help is to try and construct some models, some actual 3-D models for some of the infrastructure that is expected to be built, dam size, channel, sediment transport, because I really don't think that just

modeling on a computer is going to tell the Army Corps of Engineers whether the dam is big enough or the safeguards are safe enough.

And the history of mining will prove that over and over again. So I feel like for specific suggestions, I think the Army Corp is going to have to try something new to convince the people that they are being accurate in their assessment, because all the other assessments in the mines around the world have failed, and things have happened that they said would never happen.

So I would like to see the Army Corps slow down, take some time, dig a channel and see how fast it fills in. You know, do something and wait five years and see what happens before you say yes to a huge project like that. Make the mine prove that they can do it safely in the real world, not just on paper. Thank you.

BARB BUZZELLI: I just want to say that I'm against Pebble Mine. I'm against the infrastructure that they are going to be having to build. It's going to affect the wildlife and the environment, not only in Bristol Bay, but it's going to affect clear into Kachemak Bay.

And the amount of money that they are

going to have to pour into that to build these roads, and what it's going to take to get the minerals out of there is too evasive, and that open -- whatever they are going to do with the poison there and store it, there is just no way they are going to be able to contain it. They have no record of ever being able to contain their waste.

And it's not a matter of when -- or it's not a matter of if, it's when they are going to have some damage happen to it, who knows what it will be, earthquake or whatever, and it's just going to poison the area.

And I don't believe that they are going to be held responsible for cleaning it up. And they should have insurance right here and now to even be doing what they had been doing with their core samples and everything that's been going on.

So I don't believe it's worth any jobs that they say are going to be there. And if they are shipping this stuff out of the United States, then it's just not necessary. So I appreciate your time.

SHANNON McBRIDE-MORIN: So I'm a life-long Alaskan, and I oppose the Pebble Mine. I support wild salmon, clean fisheries, and natural habitat. I have spent part of 15 summers in the area

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1	next to Amakdedori Beach, so I have firsthand personal
2	knowledge of the area where the proposed port is to go
3	in.
4	This is prime brown bear habitat. This
5	is prime salmon habitat, and wild untouched
6	wilderness. It should remain protected.
7	Amakdedori Beach is called by the locals
8	a catcher beach. That's a beach that catches all the
9	debris from the Pacific Ocean. It gets huge surf,
10	huge storms. This is no place for a port.
11	The brown bears from the world famous
12	McNeil River Brown Bear Sanctuary regularly pass
13	through and inhabit this area of Amakdedori, and they
14	need to remain protected. A port will impact their
15	habitat.
16	Our family owns a wilderness lodge, the
17	Kachemak Bay Wilderness Lodge, and we are going on 50
18	years as a small family-owned business. Our guests
19	come from around the world to see brown bears and fish
20	for wild salmon, and everything about this mine will
21	hurt our business and hurt our economy and hurt our
22	community.
23	I oppose the Pebble Mine. Thank you for
24	your time.
25	MAKO HAGGERTY: I'm former commercial

fisherman, so I'm fairly familiar with the Bristol Bay area and the fisheries that it produces. This mine is a direct threat to those sustainable jobs.

What I think needs to be part of this
EIS isn't how many jobs it's going to produce, but how
many jobs it's going to eliminate. And there is whole
economies built around the salmon fishery in Bristol
Bay. And those economies need to be taken into
consideration as you're eliminating one economy to
replace it theoretically with another economy. But
you're replacing sustainable economies with an
unsustainable economy. That's one of my concerns.

But we talk about the jobs, but whole economies and whole cultures are built around a healthy wild salmon run. Without that healthy wild salmon run, you've eliminated cultures and you've eliminated economies. So therefore I am absolutely opposed to it.

I'm -- like I said, I'm familiar with Bristol Bay area, but I'm also familiar with the bear sanctuaries on the Cook Inlet and see that as another economy. The bear viewing is becoming a bigger and bigger draw. It's sustainable. People can come here for generations to come if the bears are healthy. This road that they are proposing that goes through

from Amakdedori to Lake Iliamna will disrupt the health of those bears.

So I'm opposed to the road, I'm opposed to the mine itself, and what I'm really surprised is, especially from -- as even being considered by the Army Corps of Engineers is to put a port in on a catching beach. In other words, a beach that's open to the weather. It's maybe one of the most foolish ideas I've heard of in a long time.

Amakdedori is a catch beach. It catches weather and drift from the entire North Pacific. And I haven't gone aground there, but just about everybody I know that runs boats, fishermen and tenders over in the Kamishak Bay area, has gone aground there because of the unevenness and the shallowness of the waters over there.

The other maybe almost humorous thing is wrapping an active volcano with a gas line. I think that's one of the funniest things and funniest ideas I've seen in a long time.

So I would look into the biology of the bear population and how this road is going to affect them; what the port is going to do of with dredgings and the channel, the creation of a port where there is no natural port, what that's going to do; and also the

demolition of the wild salmon. That's it for now. 1 ANNA BORLAND-IVY: I'm against the 2 I live in Homer, Alaska, and any 3 Pebble Mine. endeavor to that size would destroy our road systems. 4 If they put in a gas pipeline across the 5 Inlet -- Cook Inlet is one of the most seismically 6 7 active places on the planet, and that would be a 8 dangerous reason. If there were an earthquake, it 9 would be devastating to a gas pipeline. I'm against dredging Amakdedori Bay 10 11 because it's very close to a wild bear habitat, and it would be devastating to put 178 acres of dredging 12 tailings on the beach in bear habitat. 13 I'm against a year-round ferry in Lake 14 15 Iliamna. Lake Iliamna needs to freeze and be frozen because that's what sustains one of the largest 16 sockeye runs in the world, so that lake needs to be 17 18 left alone. 19 I also am a Bristol Bay salmon permit 20 holder, drift fishing. And for this reason I'm 21 against building the largest earthen dam in the world to hold back toxic tailings that would -- an average 22 23 earthquake could release toxic waste into the spawning 24 grounds of our salmon. 25 Furthermore, I'm against the need -- the

hundreds of acres of mine tailings that will be a 1 result of this mine, which will need to be treated in 2 perpetuity, which I know means forever, and there is 3 no industry that would be willing to treat that water 4 I know that mining companies go bankrupt all 5 the time and do not fulfill their moral obligations, 6 7 and I do not suspect that this mining company would. Because I'm a commercial fisherman in 8 9 Bristol Bay, I believe that the land that they want to mine on, want to mine, all of that land is already 10 being used by salmon, by bears, by beavers, by 11 porcupine, by caribou. The land is not empty, it's 12 full of wildlife, and any infraction upon this 13 wildlife is unhealthy for people. 14 15 To recap, where I live and where I work would both be negatively impacted and possibly 16 17 devastated permanently by the building of Pebble Mine. 18 Thank you. 19 AMY CHRISTIANSEN: I have lived in 20 Homer, Alaska on and off over half of my life. 21 the amount of industry that this proposed mine brings to my peninsula, the Kenai Peninsula, is horrific. 22 23 We have a two-lane scenic highway. 24 amount of traffic will be increased. The proposed 25 huge -- I don't know, it's a power station they are

going to put in Happy Valley, and the gas line starting in Anchor Point, increased boats the size of buffalo and bigger in my boat harbor where I own a small skiff and enjoy going out on the water and across the bay is horrific.

Just all of it, the increase in the industry on this Peninsula is not needed nor wanted.

When you go across the Inlet, Amakdedori
Beach is less than a mile away from the McNeil River
Bear Sanctuary. Those bears belong to the entire
planet. They are not some Pebble Mine Partnership's
bears to just toss to the wayside. They deserve
protection. There is a little industry that is
devoted to bear watching, and this would definitely
affect them.

The salmon run in Bristol Bay is incredible. If you've ever been out there, you would know what I'm talking about. Since I assume most of you haven't, I just want to tell you that that ocean is alive and teaming. That ocean and that industry itself provides jobs for over 14,000 Alaskans. What Pebble Mine is proposing is maybe 900 to 2,000 jobs at this little start-up. It does not weigh into the amount of protection we need to provide Bristol Bay.

My other comment about that is they will

tell you, "Oh, we made it lots littler. It's a smaller mine now." Well, you don't build a smaller mine in the middle of a huge project intentionally unless you plan to make that bigger and bigger and bigger. They can't fool me. I hope they don't fool you. No Pebble Mine. It's the wrong mine, it's the wrong place.

KERRY PLANT: Okay, first of all, I disagree with the Pebble Mine Project for more than one reason. The main thing is up in Bristol Bay, that is the biggest fishing industry in the world, which contributes to hundreds and thousands of people here in Alaska, not just the fishermen, but the ones who supply everything for the fishermen.

If this mine goes through, No. 1, if we have an earthquake the same magnitude as 1964, it will devastate that place and the consequences are going to be deadly to everyone.

Another thing is if the government lets this go through, not only will that show everybody in the state of Alaska that our government is messed up, it will also take away our opportunity for the Permanent Fund, because that is exactly what's going to happen, not only the mine, but they will also take away our Permanent Funds. And to me these are the

important things that the people of Alaska deserve to 1 have a right to say so at this time. 2 There is no need for this mine to go in. 3 All it is is benefitting everyone except Alaska. 4 5 That's pretty much all I've got to say. MEGHAN GERVAIS: My name is Meghan 6 7 Gervais, I live in Homer, and I run a salmon boat in 8 Bristol Bay. 9 I'm very concerned about this mine from a number of -- for a number of reasons. 10 The first one 11 is the divergent of water from salmon streams and adding back of water, even if it's treated, back into 12 But salmon use -- we know that salmon are 13 streams. very sensitive to even small amounts of chemicals in 14 15 the water. It affects their ability to migrate. So the main -- okay, I'm sorry -- I'm 16 also going to write this all out. 17 18 Also really I'm concerned about the 19 tailings pond that will be there into perpetuity with 20 that water with high acid levels that will have to be 21 treated forever. Considering how seismically active this region is, I think that's a grave concern. 22 23 A couple of springs ago there was an 24 earthquake in May that I felt here in Homer that shook And I talked to my friends in Chignik and 25 my house.

they felt it. And then I talked to my friends in the boatyard in Dillingham, and they felt it too. That's a lot of seismic energy, and that was a relatively small quake. I'm really concerned about the seismic activity and what that means for a big tailings dam and potential release of toxic material into our waters.

The second main thing I'm concerned about, aside from the mine site, is I just was hearing about this passage that they are planning on dredging that's four miles long. And I'm curious what the bottom is like there and how much fill there is going to be from sediment coming back in there.

I watch the Dillingham harbor get dredged out every single year, and it just fills back in. And I know there is a lot of sediment in Cook Inlet, and I think that that -- the potential for that to fill back in is significant as well as -- I think it's really important to be aware of what is living in that zone that's being dredged, if there is scallops there, what's living there on the bottom, what's going to be affected by that dredging.

And then the third main thing is if there is a major failure and the salmon are affected, that's going to affect everybody that lives in the

region, it's going to affect the Native people.

And then there is this group of people that has not been considered in a cultural sense, and that's the fishermen. And they are hard to pin down because we're only there seasonally, but we represent something really special and unique and culturally important with a lot of local knowledge that would go away really fast if the fish weren't there and we all just dispersed to the world.

We have knowledge of weather and tides and the salmon migration, and that's a big deal. And that needs to be considered along with how the Native people have been considered, just the fishermen's cultural identity is significant.

I think I'm good for now. I've said enough words, thanks.

ROBERTA HIGHLAND: The Corps of
Engineers is wasting our time and taxpayer's money,
after giving us 11 days to prepare. And I missed the
January 5th notice, so April 1st is when I went, "Oh,
boy."

Okay, I feel helpless and powerless.

This is a declaration of war on the environment. The total impact, not bits and pieces, the size of the areas impacted is huge.

I'm going to ask the Corps to do the best job you've ever done in your life. This being one of the most egregious developments in one of the richest environments in the world, one of the largest intact wetlands and ecosystems in the world.

Your history is poor when it comes to environmental protection. In fact, I have heard there has never been a permit application you have denied.

I have been doing environmental protection work for over 30 years. Mining has one of the worst histories for environmental disasters frequently, with little consequences, because half the time they have already declared bankruptcy and left the scene a toxic wasteland. Guess who has to live through the disaster and pay for the mess? Us, the taxpayers.

The Corps is a part of the problem, not the solution. You are the ones that okay these potential, frequent, real disasters. This has to stop and you have the power to stop it before it happens.

I have not taken or had the time to get out my reams of paperwork from ten years of fighting this horrific mine. You start with a 30-day comment time on a mine that EPA studied for three years and declared completely incompatible with the Bristol Bay

region? I don't understand how it could have been 30 days for something like this. We now have until June 29th, thank goodness, because this is a huge wetlands area with the largest red salmon fishery in the world.

I'm so angry right now I can hardly write or speak. I usually try to remain civil with agencies, but I have been pushed to my breaking point. You have the power and facts. EPA has done so much that I don't think another expensive study has to be done.

You stand between us and the Number 45
Administration and Scott Pruitt, the most frightening
group of people I have ever witnessed at the helm of
our great nation.

Do I care more about the environment than I do people? Yes, because a clean, sustainable environment -- without a clean, sustainable environment, we have nothing, so the environment has to come first.

The four Es, environment, economy, energy, and ethics must be considered. If those had been used at the very beginning, 14-plus -- I guess it's 20 years ago, all the time, money, and personal energy would not have been needed. This horrendous project would never have even got started.

You bet I am emotional, emotional, and 1 I'm outraged. Kind of like that, we're outraged. 2 Normally we don't get too crazy. 3 Oh, yeah, climate change and ocean 4 5 acidification are taking their toll. Warming oceans are going to change everything. The more northern 6 7 ranges for wild salmon will have a higher likelihood 8 of surviving. The Bristol Bay area has to be 9 protected more than ever, which means no, hell no, to 10 Pebble. 11 And I'm wondering who the boss, the top boss of the -- the top boss of the Corps of Engineers, 12 13 who might that person be? You don't know? Well, all righty then. I will find out and go from there. 14 15 You will be getting lots of comments from me written before June 29th. And I will have 16 gone through all this debacle from hell. Thank you. 17 18 MIKE MOSLEY: I am opposed to the Pebble 19 Mine because of the fragile ecosystem, because of the 20 flora and fauna at risk, because of the Native or 21 indigenous ways that would be put at risk. We don't need gold, particularly as a 22 23 national security crisis that we currently have, that 24 this is completely optional for us. That the jobs 25 that were created won't offset the jobs that could be

lost if there were an environmental disaster. 1 I don't believe that there could be guarantees that an 2 environmental disaster won't happen. I also don't 3 believe that a complete remediation of the ecosystem 4 is possible, especially at the scale of this mine. 5 I believe that that area belongs to not 6 7 only this generation, but also generations in the 8 future, not 40 years from now, not 80 years from now, 9 but 500 years from now. It would be wonderful if people that live in this area could still appreciate 10 11 and enjoy that ecosystem as it has been for the millennium. 12 That's it. 13 RICHARD GUSTAFSON: My name is Richard Gustafson, I live at 1039 Barnett Place, Homer, 14 15 Alaska. Senator Stevens put it well when he was still alive, "Wrong mine, wrong place." 16 I retired from Fish & Game with over 17 18 30-some odd years of service with the department. Ι 19 started my career in Bristol Bay, so I am really 20 familiar with the Bristol Bay area. 21 Every little rivulet, little water in 22 Bristol Bay rears fish. The current proposal to start at Amakdedori Beach with a road and run that road all 23 24 the way to Lake Iliamna and across Lake Iliamna to the mine site has lots of risk for the salmon streams in 25

the area. The dust from the transportation will play havoc with those streams.

The reason Bristol Bay is so productive is that it has the best water anyplace in the state. This project will impact not only Bristol Bay's sport, subsistence, and commercial fisheries, it also affects fisheries in Cook Inlet.

Cook Inlet -- it will affect seine fisheries in Cook Inlet. The proposed pipeline to support this mine runs right through scallop beds, tanner crab habitat, and king crab, the few king crab that we have left.

The impacts to -- we have a bear viewing industry that has grown here, and it will be -- impacts to that will be tremendous as well. Statewide it will have an affect on salmon's -- on Alaska's wild salmon product. It is a very bad idea to do this. The Army Corps of Engineers really needs to look at all aspects of that.

On the Homer side, they will be using gas from Cook Inlet. And the gas from Cook Inlet, we just did get gas here a few years back. And prior to that they were talking that we wouldn't even have enough gas for us.

So I don't see how this can possibly be

good for Homer. It's a tourist industry, the salmon industry, and fishing in general. I urge you to say no to Pebble. And I will be submitting written comment on my own after this. Thank you.

JOE SVYMBERSKY: I'm just -- I just want to note that I'm a 38-year resident of Homer, and I both commercial fish in Bristol Bay and now I'm a charter guy working out of Homer.

There is a couple concerns I have, and probably one of the big ones is where you're putting that dock. I can't pronounce the name, but where you're putting the port over by Kamishak and Kamishak Bay. It's awfully close to the McNeil Canyon bear habitat. It's awfully close to Augustine volcano that is a very active volcano. And it just doesn't seem like it's a good -- it's almost like the people, when they built the Drift River Terminal right below Redoubt volcano, they realized later on what a big mistake that was. So that's one of the concerns I have.

Another concern I have is the dredging and the scallop beds over by Augustine and the habitat destruction that would be a result of that.

I also have a concern about the increased flow of both boat traffic and human traffic

to Homer if the Homer -- if for some reason Homer becomes one of the major ports of this endeavor, which it probably will being that we're really the only port in Cook Inlet.

Having fished Bristol Bay and having seen what a wonderful fishery it is, it's really a shame that they are building this mine at the headwaters in one of the largest salmon fisheries in the world.

Basically it's a bad idea, and I just wanted to voice my concern and give vocal testimony because I'm not very computer literate. And that about sums it up.

PHIL BRUDIE: I'm against the project in general. I'm a commercial fisherman. It strikes me that it's going to be very difficult to protect the watershed in Bristol Bay. But I want to speak to my expertise, which is the Kamishak Bay terminal.

I fished over there for 15 or 20 years, still have a seine permit there, and I'm fairly familiar with the country. I fished Amakdedori Beach quite a few years as part of the run going to Chenik, going into Chenik Lake. That ground over there, or the water over there is incredibly rough. The depth is very shallow, and it seems rather inconceivable to

think of a four-and-a-half mile channel being put
there with the amount of weather that they are going
to see. The weather there is ice driven by the
20-foot variation in tides. I think it would scour
and fill in. It would have to be dredged continually.

Amakdedori Beach is a surf beach, and their plans look impossible to be successful given what I know about the conditions. Way too much weather, and they have no breakwater or way to protect their boats. I think that the bottom in many of the places in this channel is rock and would have to be blasted. Disposal of the spoils is going to be a massive issue.

Amakdedori Creek is a salmon creek. It has sockeye in the early part of the season, pinks, and then a very beautiful silver stream in the fall.

Also I noticed the gas, proposed gas pipeline coming south of Augustine Island, I believe, is going to go through the heart of the scallop grounds. It's an important fishery here. I think those are the points.

JEFF MIDDLETON: Well, quite a few things I'm kind of worried about. They talk about dredging out a harbor 50-feet deep, 400-feet wide, and they don't mention the fact that it will probably need

to be re-dredged every few years.

And I did read that they are digging and excavating another 170 acres to put the dredge material in and supposedly use that material for the road. But it would probably be about half unsuitable for the road. So all of a sudden there is not only that that -- you know, only so much, so that would be extra, and where is that going to go?

And then the dredging, every place around here, you know, you can't just dig a 50-foot trench and expect it not to fill in. So there is that.

And also earthquakes affecting both -just impact down by the landing, and also with the
spoils pile, you know, that could turn loose with a
lot of rain and it could get into the streams.

And then they talk about jobs. There is 150 full-time jobs, but -- excuse me, 850, but how many of them are going to be brought up from somewhere else? You know, there is no guarantee.

And then in the fishing industry, there is probably 13-, 14,000 jobs. So we'll lose a lot of them. So, you know, the job thing isn't optimized.

And the bear viewing is -- it's going to affect the bears and it's going to affect a lot of

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people out of Homer and other places, so it will have
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     an impact on Homer. And I haven't heard yet how Homer
2
     is going to play. There could be more activity in
3
     Homer, and, you know, are we ready for that?
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                   So anyway -- and also they -- of course,
     they are going to start off with this little 20-year
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7
     job, this little section now. With all the
8
     infrastructure they are building, you know they are
9
     going to keep going. So it could be, like, you know,
     a 60-year job. And it seemed like it would change
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11
     that area forever for the worst.
12
                   Yeah, I don't think it's a good place
     for a mine, and even though -- you know, I don't fish.
13
     I live in Homer. Anyway, that's pretty much what I've
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15
     got.
                   ANDREA VAN DINTHER: Major changes to
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     the Pebble Partnership Mine plan, specifically in the
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     transportation corridor to Amakdedori Cove,
     necessitate a major review of its impact on brown
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20
     bears and local salmon.
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                   The proximity of proposed new roads,
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     facilities, port, and dredging so close to the large
23
     concentration of brown bears that gather in the McNeil
24
     Refuge area call for additional attention.
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                   Additionally, the proposed project must
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address the impacts of the McNeil River Visitor

Program, one of the premiere wildlife viewing programs
in the world that has been in place since 1973.

The proposal to put the deep water port so close to the boundary of the game sanctuary would undoubtedly create a negative impact on both the bears of the McNeil area that make up this unique congregation as well as the visitors to the sanctuary refuge who appreciate wilderness and solitude.

Possible direct affects on bear population would be increased noise level from construction, which may deter bears from coming to McNeil River Falls, a prime viewing area.

Dredging off Amakdedori Beach may affect schooling salmon or Dolly Varden before they run up Chenik Creek, McNeil River, and Mikfik Creek. McNeil bears are known to eat fish in these as well as other stream systems in the area. Noise from increased large vessel traffic boats moving product from the terminal at Amakdedori to the Kenai Peninsula could affect bear behavior and change or end the use of McNeil River by bears.

It's likely that there will be increased contact between bears that use McNeil River and humans outside the McNeil River program that could result in

food conditioning of bears or direct bear mortality by intolerant humans.

The proposed road, resulting traffic, and human presence would fragment the habitat and bisect the traveled corridor for bears who use resources in the McNeil Refuge and sanctuary.

Any industrial facility, especially in the heart of bear country, increases the likelihood of bears becoming food-conditioned, and thus reduce safety for visitors in the refuge and the sanctuary.

Disturbance and displacement of bears due to increased noise or changes in food resources in surrounding areas may diminish the high-value visitor experience now associated with McNeil River.

Increased airborne noise could diminish the high-value visitor experience now associated with McNeil.

Increased waterborne noise could affect distribution and abundance of marine fauna diminishing the high-value visitor experience.

Direct or indirect effects of the proposed project on bears that use the McNeil River would also affect the visitor program. Displacement of bears would reduce the number of bears viewed by people resulting in a diminished viewing experience and threat to the visitor program.

Direct mortality of bears from humans would affect the immediate population of bears using McNeil River. Because the viewing program for human visitors at McNeil is structured around consistency of bear behavior, especially brown bears, many bears using the area have become habituated over time.

The habituation extends into subsequent generations as young bears typically follow their mother's feeding-and-home-range patterns. Thus a less immediate, though more serious, decrease in bears using McNeil River could also be a result of this proposed Pebble Mine, Partnership Mine Project.

My other concerns include that of the eagles and the marine mammals that use the area. I'm particularly concerned about Belugas, because they are so protected in the area. That's it.

HUDSON LOBOY: Just worried about bears, eagles, and Belugas. That's it.

DREW HAMILTON: Major changes to the Pebble Partnership Mine plan, specifically in the transportation corridor to Amakdedori Cove, necessitate major review of its impact on brown bears. The proximity of proposed new roads, facilities, port, and dredging so close to the largest congregation of brown bears anywhere on Earth requires additional

attention.

The proposed project must address impacts on the McNeil Visitor Program, one of the premiere wildlife viewing programs in the world operating since 1973.

The proposal to put a deep water port so close to the boundary of the game sanctuary and refuge would undoubtedly creat a negative impact on both the bears in the McNeil area that make up this elite congregation as well as visitors to the sanctuary and refuge who appreciate wilderness and solitude.

The dredging off the Amakdedori Beach may affect the number of salmon that go up Chenik Creek, McNeil River, and Mikfik Creek. McNeil bears are known to eat in these as well as other streams in the area.

Noise level from increased large vessel traffic could affect bear behavior and change the use of McNeil River by bears.

It is likely there will be increased contact between bears that use McNeil River and humans outside the McNeil River Program that could result in food conditioning of bears or direct bear mortality by intolerant humans. Food-conditioned bears going into the sanctuary would cause a safety risk to visitors in

the area.

Increased airborne noise could diminish the high visitor value now associated with McNeil River. Displacement of bears would reduce the number of bears viewed by people resulting in a diminished viewing experience. Direct mortality of bears from humans would affect the immediate population of bears using McNeil River.

Because the viewing program for human visitors at McNeil River is structured around consistency of behavior, many bears using the area have become habituated over time. The habituation extends to subsequent generations as young bears typically follow their mother's feeding-and-home-range patterns, and thus a less immediate, though more serious, decrease in bears using McNeil River could also be a result of this proposed possible Pebble Partnership Mine Project.

I personally have seen many bears that frequent the McNeil River State Game Sanctuary and Refuge at Amakdedori Beach over a six-year span. And that will do it.

BOB MOORE: Amakdedori is the site of a previous habitation, so therefore it should be considered a historical site, and that would conflict

with the establishment of a port down there.

I am opposed to issuing a permit for Pebble for the following reasons. Mines neither have records or reputation of avoiding contamination. I grew up in the state of West Virginia, and I've never seen a stream downhill from a mine that wasn't contaminated. It would sometimes turn yellow, fish would be upside down, crawfish would be lying on the banks, so it's not a good thing.

No. 2, the mine location would be in one of the most active earthquake zones in the world, and to do that I think is irresponsible.

No. 3, the proposed port is approximately 25 miles from Mt. Augustine, which is an active volcano. It erupted in 1976 and 1986, it's due for another turn.

Wildlife on Cook Inlet side would be severely impacted, potentially critically. And that doesn't only apply to brown bears, but black bears, moose, wolves. I spent six summers on the west side of Cook Inlet as a commercial fisherman, and I know that even one person makes a difference. So putting 800 of them over there is going to be a tremendous impact.

No. 5, the tides and currents are

extreme, they are dangerous, and they are destructive 1 in Cook Inlet. I'm not sure that Pebble Mine or 2 anyone else is prepared for the consequences of some 3 of those storms. 4 No. 6, a near pristine environment and 5 drainage system cannot be returned to original 6 7 conditions when damaged or destroyed. And I think 8 that should be a requirement that it be returned to 9 original condition. No. 7, salmon require cold, clear water 10 11 to propagate and survive. Minute amounts of 12 contaminates are enough to ruin large areas. Ιt 13 always goes downstream. No. 8, Alaska voters voted "no Pebble" 14 15 by a margin of 2 to 1. All precincts in Alaska passed that initiative. 16 No. 9, a razor clam hole, when dug, will 17 18 be completely unrecognizable within 24 hours, or two 19 cycles of the tide. A ditch with 35 million cubic 20 yards sub-bottom material will do the same thing only 21 a little slower. 22 No. 10, fish and mines are incompatible. 23 Trading a renewable resource that has endured for 24 millennia for a non-renewable gold mine which is

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temporary is asinine.

1	I have the following recommendations for
2	the Corps of Engineers. No. 1, vote no. No. 2, if no
3	is not an option, A, require a surety bond against the
4	loss for the next 3,000 years.
5	B, require insurance from a non-Pebble
6	company such as Lloyd's of London or someone who has
7	the resources to pay up when this goes bad.
8	C, remove one million cubic yards of
9	dredge material from lower Cook Inlet and see how long
10	it takes for the tides to fill up and then measure the
11	material and the time.
12	D, require insurance on every stream and
13	lake against any contamination.
14	E, require returning land and water to
15	original condition and remove all vestiges of mine and
16	infrastructure. Thank you, sir.
17	NATALIA MULAWA: So I'm opposed to the
18	Pebble Mine because no mine will be safe in this area,
19	and damage to the ecosystem, watershed, economy, and
20	community will be irreversible.
21	The main reasons I oppose the Pebble
22	Mine in Bristol Bay is first we are talking about the
23	last biggest salmon run in the world. There is 70
24	million salmon spawning in Bristol Bay watershed every

year. We cannot afford losing it.

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High toxic waste produced by Pebble Mine will have irreversible impact on the environment.

There is no single Pebble Mine in the world that did not have a violation or an accident. The wastewater produced is acid forming and highly toxic, full of heavy metals that fish, especially salmon, is very sensitive to.

People might make errors, equipment failures, and there is no way to safeguard at this time with currently available technology.

Also the fact that the waste from mine will need to be treated indefinitely is very disturbing. Pebble Partnership will be there for 20 years, as they say, but who will operate the treatment plant for next hundreds or thousands of years? Will we require Pebble Partnership to secure funds for a million years to come just for waste treatment?

Release of any untreated waste will mean the end of salmon runs as we know, with billions of dollars in economic loss and 14,000 jobs at stake. But even without accident, treated wastewater will have elevated levels of heavy metals in them that may not affect fish immediately, but heavy metals tend to accumulate in fish's flesh and will increase with years of production.

Will local tribes be able to fish, to eat fish that's left, if there is any left, or will local communities be advised to limit the amount of fish they can eat, like around Donlin Gold Mine, due to high level heavy metal concentration? Since local tribes rely heavily on fish as a main source of protein, what impact on their culture and future generations will it have? And when the fish declines, other wildlife feeding on the fish will decline also.

Another problem with Pebble Mine for me is the location. We all realize we live in a seismically active area. A mine of any size with toxic waste is not safe, it's insane. Any tidal changes and extreme weather conditions just add to the problem.

If the oil companies operating in Cook
Inlet for decades have trouble navigating extreme
weather and tidal conditions, how would the biggest
Pebble Mine in the world prepare for that? Has there
been any study if a running ice breaker barge will be
even feasible or possible?

Another problem is impact on jobs and economy. Pebble declares that they are going to create 1,000 jobs to operate the mine. How many of those jobs will be Alaskan jobs? And why are we

putting 14,000 Alaskan jobs at stake? Because that's how many people work around Bristol Bay.

Another thing is impact on our traffic. Do we have infrastructure for that? We do not. Who pays for fixing roads every spring? It's us, our taxes. The roads will be so much more utilized and damaged on our dime.

At this moment traffic is busy on the Sterling Highway during the summer season, and they want to add more heavy-duty trucks, that's just crazy.

and Cook Inlet will have extraordinary impact on wildlife. Beluga whale population is declining every year. Additional noise and traffic will only make the situation worse. Will it have also impact on salmon and other fish species? We need to do studies on that.

Another problem is population fragmentation, especially when it comes to brown bears and moose who are very highly populated in that area. Building a road through that area will stop migration of bears, moose, and reindeers. And how are they going to keep the roads, which they are going to build on the other side, safe in the winter? Will they put sand, salt, or chemicals on it? What impact will that

have on surrounding wetlands?

Also the mine will require large amounts of water taken from the watershed. Is the impact on the water levels going to be studied to see if extracting amounts of water needed will not negatively impact salmon passageways and population of our own?

And how would it impact -- how will the port, Amakdedori Port, impact companies doing -- making a living in that area doing wildlife tours? Is that area going to be out of reach, or are they still going to be able to make their money? That's pretty much what I got.

ANDERS GUSTAFSON: I guess we were asked to speak on the dredge and fill issues the most. I'm sure there is a million things.

But most specifically I wanted to talk about the Koktuli River. I've guided on the Koktuli River for 20 seasons consecutively, and the Koktuli River is one of the main rivers for the production of king salmon on the Nushagak system. It's one of the main tributaries.

And one of my big concerns with the studies that have been done with the mine over the last ten years that I've worked on it is that their boundary for study has never been far enough down the

river to really include the prime king salmon spawning habitat. And all the water flow issues that would come with these dredging, filling, removing water out of the north fork and/or south fork of the Koktuli River would leave, in my estimation, a detriment to the king salmon population, the state of Alaska's state fish, one of our prized fisheries in the state that we're trying to protect everywhere.

Here we have a very healthy river that produces between 10- to 15,000 king salmon returning in a year. And I would be concerned if we removed any percentage of the water or used that water or had it behind the tailings impoundment or any kind of risk to that fishery.

My other concern for dredge and fill in the area is the concern of the water table that was shown in the Pebble science early on that the water flows underneath the ground between Talarik Creek and the south fork of the Koktuli River. The water would flow underground between the two water systems.

So just showing an example of the very, very complicated water table structure in that region, and I have a great concern for contaminations traveling subsurface, out of sight, out of mind, downhill into either drainage.

And there has been talk about staying out of the Talarik drainage, but I just don't see that could be possible if the two water drainage systems are connected underground. I would like a lot of study on that.

The other piece of that I think is important is to consider some of the employment source for that area and the use of the whole area as part of the Bristol Bay fisheries reserve, which was created in 1972 to protect the fishery and was amended by initiative several years ago that I worked on.

And the purpose of that was to protect the salmon spawning habitat in the entire region.

This project sits right in the heart of that reserve. So the effects of this project to a state-established boundary area, the first and only reserve that I know of in Alaska or America, would be of great concern to me as well.

In scoping -- I'm trying to think what else here. Well, one of the other things to think about, wildlife considerations in the Koktuli drainage is that it's been known for many years to have very large moose, a large population of moose, and caribou spawning -- excuse me, caribou calving grounds are in that area in the upper reaches. I've seen up to

200,000 caribou in the area originally. In the late '90s to now, very, very few.

I'm very concerned as to what the infrastructure would do to any of these terrestrial creatures as well as the salmon, knowing the whole system is connected.

Getting a really firm grasp on that I think there is an incredible amount of economic opportunity with the king fishing and all of the hunting in that area that's been the mainstay of the economy in that region for so long, that there would be a lot of side effects to that as well. That would be one of my main concerns.

In general, the disposal process, the production of the dredge and fill material, whether it's done with trucks, explosions, whatever they are going to use, the possible contamination to the ecosystem in the region from the winds, the very strong winds and weather that we get, the high rains in the fall, I think there is extreme weather events that happen in that region that everybody who lives there is familiar with, or works there, that would be a concern when we're talking about any kind of tailings impoundment, embankments, or containment of water.

The other thing I think about on the water and the dredge and fill is that that mine site sits above Lake Iliamna. And if gravity has its way, it will eventually make its way to the south into the Lake Iliamna region as well, the largest incubator of sockeye salmon in the world.

I would also like to have in the scoping the impact to the fresh water seals in Lake Iliamna be verified and looked at. I think that's really important. Maybe not as much for protection of a species, but the possible opportunities for that, for economic advancement for the region and the communities. It's a really good thing for them.

Boy, I could just go on forever. This is crazy.

The water flow, I would like to know the water rights status of the rivers in the area, the impacts to those water rights that have been applied for and have not been adjudicated. Who stands in which order and what is the priority, and how can some of these folks who have been downstream and have no idea of these things taking place still maintain their rights to their clean water to their communities for their livelihoods if so much of the upper headwaters of these systems is displaced or altered in any status

in any way? This is a pretty delicate tundra ecosystem that can really be affected by a chain reaction from the change.

I also -- is this -- they asked about dredge and fill. But are they -- is it anything that runs all the way along the corridor right to Homer and everything as well, I think? So this is crazy.

I would like to think about the power and gas infrastructure and what that's going to mean to this community. Living in Homer and spending my summers in Bristol Bay, I'm kind of split between both.

The impacts, the social impacts that -the influx, the development of these large capacity
power generation and gas transfer, what that will have
to the economy in this region, gas prices for folks,
just competition for resources, competition for
recreation, competition for limited housing, all those
effects that are going to be human felt here on this
side.

As a king salmon and halibut fisherman in the area, I would also like to know the risks to waters of Cook Inlet with the transferring of a gas line. I think that that's going to take incredible scrutiny to make sure that that resource is safe.

And then the whole Amakdedori dredge and bay, I guess I don't know enough about that other than I think maintaining something like that in this hydrology in this ecosystem is going to be difficult at best, if not impossible. So I'd love to see how they are going to look into the impacts of that.

The other impacts I want to mention in the whole region of the Bristol Bay Fisheries Reserve is the cultural impacts to the people and the cultural impacts to the Native peoples and also the folks that make their living there in the summer, guides, cooks, lodge owners, pilots. It's an incredibly complex economy there that's been built over many, many decades. And having a large industrialization facility in the center of that economic hub, the impacts need to be discussed more thoroughly as to how that's going to affect the tourism economy in the region.

Yeah, I feel like I'm tapping myself out already. I can supply more written when I come up with them as well, too, right? You're not allowed one -- at any time you can add more comments, right? So I feel pretty good about giving you what I gave you so far.

DAVE APLIN: My name is Dave Aplin. I'm

from Homer, Alaska, and I'm here to testify with regard to the Corps of Engineers scoping process for the Pebble Mine.

First of all, I'm concerned with the public process that has been outlined and implemented here. I think that it's a sham to consider the fact that mines like the Donlin Mine close to Bethel has taken nearly a decade to permit. It's a smaller mine, a smaller footprint, and a potential smaller impact to the region, and it's taken a decade.

And it would appear that the current administration in the Corps of Engineers is pressing a very important process too quickly and without adequate data and research to make a considered decision.

The first and probably most important concern of mine is with regard to the lack of an outside independent economic analysis of the viability of the mine. I think there is widespread concern that the quality of the ore, the amount of effort in extracting that ore, and the huge infrastructure development will make this mine not economically feasible.

I think it's the responsibility of the Corps of Engineers to demand that an independent

economic analysis be completed before the permitting process begins.

I say that for two reasons. Should this mine be permitted on this accelerated schedule without adequate analysis of the economics of the project, the outcome could result in the collapse of Northern Dynasty and its partners. Should there be a collapse in the mine partway through development, I think the environmental damage and the potential risk to the ecosystem, the commercial fisheries, and the communities downstream is untenable.

As we know, sulfide ore mines require that the overburden, or at least the rock in the vicinity of the ore bearing deposits are required to be submerged under water behind a containment dam in order to prevent the development of acid mine waste.

A bankrupt Pebble Limited Partnership,
Northern Dynasty, and whatever partners they are able
to round up, if that project is defunct, the burden of
the maintenance of whatever damage has been done to
the environment and whatever responsibilities there
are to protect the environment, for instance in
maintaining the containment dams, is transferred to
the public and adds substantial and unacceptable risk
to the people downstream and to the American public

that depend on the region for salmon and other resources.

The other alternative I see, should this mine not be economically feasible, is the demand or the application for an expansion of the mine. This is not unprecedented. There are dozens of mines around the country that have gone back for secondary and tertiary and sometimes even more permitting to expand the mine and the mine footprint.

My concern is that this is a cynical strategy, an elephant trunk under the circus tent flap approach to receive permits for a smaller mine footprint, which by the way, it still exceeds the EPA's recommendations as found in the final determination of their watershed assessment and their process that led to their 404(c) Clean Water Act determination. But I digress.

My point is that should a mine be permitted, we're facing the potential of a collapse of the mining company should it not be economically viable, or the unfortunate circumstance where the mining company asks to expand the mine, the mine footprint, to capture more of the value of the ore deposit. So that's concern No. A.

I have other concerns as well. The

secondary is the compression of this process. It appears that the -- from reports, that the Corps of Engineers is anxious to complete this process within the next 22 months.

I would reiterate that that is unacceptable for a mine of this size and scale with the potential impacts that this mine has. Especially only to the fact that the Pebble Limited Partnership in their permit application has provided grossly inadequate information and data describing the scope and scale of the project and the potential impacts to the environment, to local communities, and to the region's economy.

I would call attention to the new ferry system, which has apparently been proposed. I have not been able to determine any data that considers the impacts of that ferry system, of the potential impacts to the ecosystem and fishery, of a spill of ore or fuel or other materials into Lake Iliamna.

Lake Iliamna is the home to some unique natural resources that demand additional research to understand the potential impacts of the mine. These would include the freshwater seals of the lake and also the shore spawning salmon that use the islands in the northern end of Lake Iliamna to reproduce.

These are a unique population with a unique strategy for reproduction, and need to be preserved, as well as all of the other salmon populations that use the lake for spawning, breeding, and growth, especially in their fry stage.

If the Pebble Partnership is proposing a ferry system across Lake Iliamna, it's incumbent on them, it's incumbent on this process to understand the potential impacts to those locally breeding salmon, as well as all of the salmon within that Lake Iliamna watershed, that transit the smolt out, that grow as fry within the lake, and that return as adult salmon to their Native spawning areas.

I'm also concerned about the potential impacts of disturbance and use of the proposed road. Almost no data exists, or I have not found access to that data with regard to the access to the terrestrial environment, to the river and stream environments, and to Lake Iliamna itself.

In that regard, I'm concerned about the potential impacts of fugitive dust, fugitive dust that may eventually be composed of minerals that are found within the Pebble deposit when distributed over the 80 or 90 miles of new proposed roadway, across salmon streams and other habitats, has the potential to not

only reduce the photosynthesis of the plants in the area, but also corrupt and pollute the freshwater system with copper and other minerals that will affect salmon, salmon fry, and their reproductive success.

I'm also concerned about the location, construction, and use of the proposed harbor and port facilities, the docking facilities. I'm concerned about the proximity to the bear viewing area maintained and operated by the State of Alaska.

I'm concerned about the economic impact to tourism, to bear biology and health, to bear reproductive success, to distribution and feeding patterns within the bears.

I'm also concerned about the economic impacts to the bear viewing industry and to tourism in general in the Bristol Bay region, and especially in Homer where we are today.

The Homer summer tourism economy is becoming more and more dependant on bear viewing tourism, and any impacts from the mine and from the mine's infrastructure are of concern.

I'm concerned about the seismic vulnerabilities of the entire system, especially the proposed cross-Cook-Inlet-pipeline that would originate near Anchor Point and end in a place that

would afford the development of the mine. I think it's extremely unwise to develop a pipeline in that location. And that the potential impacts of seismic determinants to that pipeline should be evaluated as a -- even a natural gas spill in that location would be difficult to quickly respond to and could pose environmental impacts throughout the entire Cook Inlet region. Those impacts should be explored and -- identified and explored.

I'm concerned about invasive species and the introduction of new species into the Cook Inlet watershed, especially species including the green crab and other invertebrates that have the potential to impact the region's fisheries, the region's intertidal biological communities, and most importantly the mariculture industry that's developed within Kachemak Bay and surrounds.

Overall, I think the public process is frustrating in that the Environmental Protection

Agency, at the behest of local tribes and commercial fishing industries, have studied this situation and analyzed the potential impacts of this Pebble Mine.

This proposed mine, while, quote, smaller than the original mine that was suggested to the Securities Exchange Commission and never

	63
1	delineated, this mine still exceeds the footprint and
2	impact of the EPA's final determination as the
3	definition of mine that would be allowed or would be
4	permitted within the region.
5	I urge the EPA to intervene with their
6	authority through the Clean Water Act 404(c) permit
7	process and to circumvent the development of the mine.
8	That's probably enough.
9	(Proceedings concluded at 7:45 p.m.)
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19	
20	
21	
22	
23	
24	
25	

Deormie MEETING	HOWIER, MEMBER		T	11pm 11, 2010
	57:24	15:11	anxious (1)	26:9
			59:3	asinine (1)
\mathbf{A}	adequate (2)	alive (2)		
	56:14;57:5	23:20;31:16	anymore (1)	44:25
ability (1)	adjudicated (1)	allowed (2)	9:15	aspects (1)
25:15	53:19	55:21;63:3	anyplace (1)	32:19
able (8)	Administration (2)	almost (3)	32:4	assessment (2)
4:8;10:9;17:5,6;	29:12;56:12	20:17;33:16;60:16	Aplin (2)	16:8;58:15
	adult (1)	alone (1)	55:25,25	assessments (1)
47:1;49:11;57:18;	60:12	21:18	apparently (2)	16:9
59:16	advancement (1)	along (2)	12:24;59:15	associated (3)
above (1)				
53:3	53:12	27:12;54:6	appear (1)	39:14,16;42:3
absolutely (1)	advised (1)	altered (1)	56:11	assume (1)
19:17	47:3	53:25	appears (1)	23:18
abundance (1)	affect (22)	alternative (1)	59:2	attention (3)
39:18	14:17;16:22,24;	58:3	application (3)	37:24;41:1;59:14
accelerated (1)	20:22;23:15;26:25;	always (2)	28:8;58:5;59:9	ATVs (1)
	27:1;32:8,16;36:25,	9:15;44:13	applied (1)	5:22
57:4	25;38:14,21;39:17,22;	Amakdedori (22)	53:18	Augustine (4)
access (3)	40:2;41:13,18;42:7;	7:3,18;18:1,7,13;	apply (1)	33:14,22;35:18;
15:14;60:16,17				
accident (5)	46:23;55:17;61:3	20:1,10;21:10;23:8;	43:19	43:14
11:21;12:11,12;	affected (3)	31:23;34:21;35:6,14;	appreciate (6)	authority (1)
46:4,21	26:22,24;54:2	37:18;38:14,20;40:21;	3:19;6:1;17:21;	63:6
accumulate (1)	affecting (1)	41:12;42:21,23;49:8;	31:10;38:9;41:11	automated (1)
46:24	36:13	55:1	approach (1)	10:2
	affects (3)	amalgamated (1)	58:12	available (1)
accurate (1)	25:15;32:6;38:10	10:15	approximately (1)	46:10
16:8	afford (2)	amateur (1)	43:14	average (1)
acid (3)	45:25;62:1	5:23	April (1)	21:22
25:20;46:5;57:16				
acidification (1)	afraid (1)	amended (1)	27:20	avoiding (1)
30:5	5:18	51:10	Aquaculture (1)	43:4
acres (3)	again (3)	America (1)	7:11	aware (1)
21:12;22:1;36:3	3:13;10:19;16:5	51:17	area (50)	26:19
across (7)	against (14)	American (4)	10:6,11,18;11:6,18,	away (6)
5:11;21:5;23:5,8;	5:24,24;8:16;12:13;	13:19,20,22;57:25	24;14:20;15:13;17:12,	4:19;7:13;23:9;
	16:20,20;21:2,10,14,	amount (9)	25;18:2,13;19:2,20;	24:22,25;27:8
31:24;60:7,24	21,25;34:14;45:3,13	10:23;16:25;22:21,	20:14;29:4;30:8;31:6,	awfully (2)
Act (2)	agencies (1)	24;23:24;35:2;47:3;	10,20;32:1;37:11,24;	33:13,14
58:16;63:6				33.13,14
active (7)	29:7	52:8;56:20	38:7,13,18;40:6,14,	D.
20:18;21:7;25:21;	Agency (1)	amounts (4)	16;41:9,16;42:1,11;	В
33:15;43:11,15;47:12	62:20	25:14;44:11;49:2,5	45:18;47:12;48:20,21;	
activity (3)	ago (6)	AMY (1)	49:9,10;50:16;51:8,8,	back (8)
5:10;26:5;37:3	10:13,16;11:4;	22:19	16,25;52:1,10;53:17;	21:22;25:12,12;
	25:23;29:23;51:11	anadromous (1)	54:22;61:2,8	26:13,15,18;32:22;
actual (1)	aground (2)	15:12	areas (5)	58:7
15:22	20:12,14	analysis (6)	14:12;27:25;39:13;	background (1)
actually (1)	*		, , , ,	
9:3	airborne (2)	6:16,16,24;56:18;	44:12;60:13	6:6
adamantly (1)	39:15;42:2	57:1,5	argue (2)	bad (3)
15:9	airplane (1)	analyzed (1)	12:20;13:1	32:17;34:10;45:7
add (4)	14:11	62:22	arguing (1)	bankrupt (2)
	Alaska (23)	Anchor (3)	12:24	22:5;57:17
5.16./17.1/1./18.10.	Maska (23)			
5:16;47:14;48:10; 55:22			arguments (1)	bankruptcy (1)
55:22	3:20;4:14;5:24;8:4,	5:14;23:2;61:25	arguments (1)	bankruptcy (1) 28:13
55:22 adding (1)	3:20;4:14;5:24;8:4, 6,20;9:6,7;13:3,15;	5:14;23:2;61:25 and/or (1)	9:18	28:13
55:22 adding (1) 25:12	3:20;4:14;5:24;8:4, 6,20;9:6,7;13:3,15; 14:8;21:3;22:20;	5:14;23:2;61:25 and/or (1) 50:4	9:18 Army (7)	28:13 banks (1)
55:22 adding (1) 25:12 addition (2)	3:20;4:14;5:24;8:4, 6,20;9:6,7;13:3,15; 14:8;21:3;22:20; 24:13,21;25:1,4;	5:14;23:2;61:25 and/or (1) 50:4 ANDERS (1)	9:18 Army (7) 15:16,19;16:1,6,12;	28:13 banks (1) 43:9
55:22 adding (1) 25:12	3:20;4:14;5:24;8:4, 6,20;9:6,7;13:3,15; 14:8;21:3;22:20; 24:13,21;25:1,4; 31:15;44:14,15;51:17;	5:14;23:2;61:25 and/or (1) 50:4 ANDERS (1) 49:13	9:18 Army (7) 15:16,19;16:1,6,12; 20:6;32:18	28:13 banks (1) 43:9 BARB (1)
55:22 adding (1) 25:12 addition (2) 11:6,9	3:20;4:14;5:24;8:4, 6;20;9:6,7;13:3,15; 14:8;21:3;22:20; 24:13,21;25:1,4; 31:15;44:14,15;51:17; 56:1;61:9	5:14;23:2;61:25 and/or (1) 50:4 ANDERS (1) 49:13 ANDREA (1)	9:18 Army (7) 15:16,19;16:1,6,12; 20:6;32:18 around (15)	28:13 banks (1) 43:9 BARB (1) 16:19
55:22 adding (1) 25:12 addition (2) 11:6,9 additional (6)	3:20;4:14;5:24;8:4, 6;20;9:6,7;13:3,15; 14:8;21:3;22:20; 24:13,21;25:1,4; 31:15;44:14,15;51:17; 56:1;61:9 Alaskan (3)	5:14;23:2;61:25 and/or (1) 50:4 ANDERS (1) 49:13 ANDREA (1) 37:16	9:18 Army (7) 15:16,19;16:1,6,12; 20:6;32:18 around (15) 7:20;8:21,23;9:4,6;	28:13 banks (1) 43:9 BARB (1) 16:19 barge (1)
55:22 adding (1) 25:12 addition (2) 11:6,9 additional (6) 4:5,19;37:24;40:25;	3:20;4:14;5:24;8:4, 6;20;9:6,7;13:3,15; 14:8;21:3;22:20; 24:13,21;25:1,4; 31:15;44:14,15;51:17; 56:1;61:9	5:14;23:2;61:25 and/or (1) 50:4 ANDERS (1) 49:13 ANDREA (1)	9:18 Army (7) 15:16,19;16:1,6,12; 20:6;32:18 around (15)	28:13 banks (1) 43:9 BARB (1) 16:19
55:22 adding (1) 25:12 addition (2) 11:6,9 additional (6) 4:5,19;37:24;40:25; 48:14;59:21	3:20;4:14;5:24;8:4, 6;20;9:6,7;13:3,15; 14:8;21:3;22:20; 24:13,21;25:1,4; 31:15;44:14,15;51:17; 56:1;61:9 Alaskan (3) 17:23;47:25;48:1	5:14;23:2;61:25 and/or (1) 50:4 ANDERS (1) 49:13 ANDREA (1) 37:16	9:18 Army (7) 15:16,19;16:1,6,12; 20:6;32:18 around (15) 7:20;8:21,23;9:4,6; 16:9;18:19;19:7,14;	28:13 banks (1) 43:9 BARB (1) 16:19 barge (1) 47:20
55:22 adding (1) 25:12 addition (2) 11:6,9 additional (6) 4:5,19;37:24;40:25; 48:14;59:21 Additionally (1)	3:20;4:14;5:24;8:4, 6;20;9:6,7;13:3,15; 14:8;21:3;22:20; 24:13,21;25:1,4; 31:15;44:14,15;51:17; 56:1;61:9 Alaskan (3) 17:23;47:25;48:1 Alaskans (1)	5:14;23:2;61:25 and/or (1) 50:4 ANDERS (1) 49:13 ANDREA (1) 37:16 ANDREWS (1) 9:8	9:18 Army (7) 15:16,19;16:1,6,12; 20:6;32:18 around (15) 7:20;8:21,23;9:4,6; 16:9;18:19;19:7,14; 36:10;40:4;42:10;	28:13 banks (1) 43:9 BARB (1) 16:19 barge (1) 47:20 Barnett (1)
55:22 adding (1) 25:12 addition (2) 11:6,9 additional (6) 4:5,19;37:24;40:25; 48:14;59:21 Additionally (1) 37:25	3:20;4:14;5:24;8:4, 6,20;9:6,7;13:3,15; 14:8;21:3;22:20; 24:13,21;25:1,4; 31:15;44:14,15;51:17; 56:1;61:9 Alaskan (3) 17:23;47:25;48:1 Alaskans (1) 23:21	5:14;23:2;61:25 and/or (1) 50:4 ANDERS (1) 49:13 ANDREA (1) 37:16 ANDREWS (1) 9:8 angry (1)	9:18 Army (7) 15:16,19;16:1,6,12; 20:6;32:18 around (15) 7:20;8:21,23;9:4,6; 16:9;18:19;19:7,14; 36:10;40:4;42:10; 47:4;48:2;58:6	28:13 banks (1) 43:9 BARB (1) 16:19 barge (1) 47:20 Barnett (1) 31:14
55:22 adding (1) 25:12 addition (2) 11:6,9 additional (6) 4:5,19;37:24;40:25; 48:14;59:21 Additionally (1) 37:25 address (4)	3:20;4:14;5:24;8:4, 6,20;9:6,7;13:3,15; 14:8;21:3;22:20; 24:13,21;25:1,4; 31:15;44:14,15;51:17; 56:1;61:9 Alaskan (3) 17:23;47:25;48:1 Alaskans (1) 23:21 Alaska's (2)	5:14;23:2;61:25 and/or (1) 50:4 ANDERS (1) 49:13 ANDREA (1) 37:16 ANDREWS (1) 9:8 angry (1) 29:5	9:18 Army (7) 15:16,19;16:1,6,12; 20:6;32:18 around (15) 7:20;8:21,23;9:4,6; 16:9;18:19;19:7,14; 36:10;40:4;42:10; 47:4;48:2;58:6 arsenic (3)	28:13 banks (1) 43:9 BARB (1) 16:19 barge (1) 47:20 Barnett (1) 31:14 basically (2)
55:22 adding (1) 25:12 addition (2) 11:6,9 additional (6) 4:5,19;37:24;40:25; 48:14;59:21 Additionally (1) 37:25	3:20;4:14;5:24;8:4, 6,20;9:6,7;13:3,15; 14:8;21:3;22:20; 24:13,21;25:1,4; 31:15;44:14,15;51:17; 56:1;61:9 Alaskan (3) 17:23;47:25;48:1 Alaskans (1) 23:21	5:14;23:2;61:25 and/or (1) 50:4 ANDERS (1) 49:13 ANDREA (1) 37:16 ANDREWS (1) 9:8 angry (1)	9:18 Army (7) 15:16,19;16:1,6,12; 20:6;32:18 around (15) 7:20;8:21,23;9:4,6; 16:9;18:19;19:7,14; 36:10;40:4;42:10; 47:4;48:2;58:6	28:13 banks (1) 43:9 BARB (1) 16:19 barge (1) 47:20 Barnett (1) 31:14

SCOPING MEETING -	HOMER, ALASKA			April 11, 201
2.22.4.11.16.5.11.	20.21.40.5.41.10.	20.12.22.2.25.10.	2.10	20:10
3:22;4:11,16;5:11;	38:21;40:5;41:18;	20:13;23:2;35:10;	3:19	
8:2,3,15,18;9:6;11:12,	42:11	38:19	buffalo (1)	catcher (1)
16,18;12:13;14:10,14;	behest (1)	boatyard (1)	23:3	18:8
16:23,24;18:17;19:1,	62:20	26:2	build (4)	catches (2)
8,20;20:14;21:10,19;	behind (2)	BOB (1)	16:22;17:1;24:2;	18:8;20:10
22:9;23:5,16,24;	50:13;57:15	42:23	48:23	catching (1)
24:10;25:8;28:25;	belief (2)	bond (2)	building (5)	20:7
30:8;31:19,20,22;	8:9,10	14:5;45:3	21:21;22:17;34:7;	CATIE (1)
32:3;33:7,13;34:5,17,	belong (1)	BOONE (1)	37:8;48:21	15:15
18;45:22,24;48:2,11;	23:10	3:2	built (5)	cause (1)
51:9;54:11;55:2,8;	belongs (1)	boost (1)	15:24;19:7,14;	41:25
61:16;62:17	31:6	7:7	33:17;55:13	cautious (1)
	below (1)	BORLAND-IVY (1)	burden (1)	4:10
Bay's (1) 32:5		21:2	57:19	
	33:17 D -1 (1)			center (1)
Beach (16)	Beluga (1)	Born (1)	BURSCH (1)	55:15
18:1,7,8,8;20:7,7,	48:13	8:19	15:15	certainly (2)
10;21:13;23:9;31:23;	Belugas (2)	boss (3)	business (4)	4:6,25
34:21;35:6,6;38:14;	40:15,18	30:11,12,12	14:10,21;18:18,21	cetera (1)
41:12;42:21	beneficial (1)	both (8)	busy (1)	5:22
Beanstalk (1)	7:10	14:12;22:16;33:7,	48:8	chain (1)
9:12	benefit (1)	25;36:13;38:6;41:8;	BUZZELLI (1)	54:2
bear (29)	13:19	54:12	16:19	change (7)
4:2;14:11,12,20,21;	benefits (1)	bottom (3)	10.17	4:6;30:4,6;37:10;
18:4,12;19:20,22;	10:6	26:12,21;35:10	C	38:21;41:18;54:3
20:22;21:11,13;23:10,	benefitting (1)	boundary (4)	<u> </u>	changes (4)
	25:4		CALDWELL (2)	
14;32:13;33:13;		38:5;41:7;49:25;	CALDWELL (2)	37:16;39:12;40:19;
36:24;38:10,21;39:1,	best (3)	51:16	12:15,16	47:14
8;40:5;41:18,23;61:8,	28:2;32:4;55:5	boy (2)	call (2)	channel (5)
11,11,15,19	bet (1)	27:21;53:14	37:24;59:14	15:24;16:13;20:24;
bearing (1)	30:1	BOYER (1)	called (1)	35:1,11
57:14	Bethel (1)	8:19	18:7	CHARLES (1)
bears (53)	56:7	breaker (1)	calving (1)	6:2
4:4,7;5:20;18:11,	big (11)	47:20	51:24	charter (1)
19;19:24;20:2;22:11;	6:1;8:22,22;12:5;	breaking (1)	can (17)	33:8
23:10,12;36:25;37:20,	14:24;16:2;26:5;	29:7	3:7;6:25;7:23;8:25;	chemicals (2)
23;38:6,12,17,22,24;	27:11;33:10,18;49:22	breakwater (1)	9:21;11:19;12:12;	25:14;48:25
39:1,5,9,11,21,23,23;	bigger (6)	35:9	15:8;16:17;19:23;	Chenik (4)
40:1,2,5,5,8,10,17,22,	19:22,23;23:3;24:4,	breeding (3)	29:5;32:25;47:4;	34:22,23;38:16;
25;41:9,14,19,21,23,	4,5	6:5;60:4,9	53:20;54:2;55:20,22	41:13
24;42:4,5,6,7,11,13,	biggest (3)	bring (1)	cancer (2)	Chignik (1)
16,19;43:19,19;48:19,	24:11;45:23;47:18	12:18		25:25
			10:23,24	
22;61:13	billion (1)	brings (1)	Canyon (1)	children (2)
beautiful (1)	14:4	22:21	33:13	12:22,22
35:16	billions (1)	Bristol (40)	capabilities (1)	chinook (1)
beavers (1)	46:19	3:22;4:15;8:2,3,15,	5:16	10:19
22:11	biological (1)	17;9:5;11:12,16,18;	capacity (1)	CHRISTIANSEN (1)
became (1)	62:15	12:13;14:10,14;16:23;	54:14	22:19
8:9	biology (2)	19:1,7,20;21:19;22:9;	capital (1)	circumstance (1)
become (2)	20:21;61:11	23:16,24;24:10;25:8;	4:20	58:21
40:6;42:12	bisect (1)	28:25;30:8;31:19,20,	capture (1)	circumvent (1)
becomes (1)	39:5	22;32:3,5;33:7;34:5,	58:23	63:7
34:2	bit (1)	17;45:22,24;48:2;	care (2)	circus (1)
becoming (3)	12:4	51:9;54:11;55:8;	10:3;29:15	58:11
19:22;39:9;61:19	bits (1)	61:16	career (1)	civil (1)
beds (2)	27:24		31:19	29:6
		brought (1)		
32:10;33:22	black (1)	36:19	caribou (4)	clam (1)
beginning (1)	43:19	brown (11)	22:12;51:23,24;	44:17
29:22	blasted (1)	18:4,11,12,19;	52:1	clean (6)
begins (1)	35:12	37:19,23;40:5,22,25;	Cascade (1)	17:24;29:16,17;
57:2	boat (6)	43:19;48:19	10:12	53:23;58:16;63:6
begs (1)	11:13,14,15;23:3;	BRUDIE (1)	case (1)	cleaning (1)
9:14	25:7;33:25	34:14	11:1	17:14
behavior (4)	boats (4)	BRYAN (1)	catch (1)	cleanup (3)
Della (101 (1)	Duais (4)	DKIAN (I)	catch (1)	Cicanup (3)

dams (1)

SCOPING MEETING -
9:4;10:17;11:4
clear (2)
16:24;44:10 climate (1)
30:4
close (9)
5:20;21:11;33:13, 14;37:22;38:5;40:24;
41:7;56:7
CLYDE (1)
8:19 coho (1)
7:9
cold (1) 44:10
collapse (3)
57:6,7;58:19
collected (2) 6:13,14
college (1)
8:5
coming (4) 10:20;26:13;35:18;
38:12
comment (3)
23:25;28:23;33:4 commenting (1)
3:11
comments (3) 3:9;30:15;55:22
commercial (9)
14:9;18:25;22:8;
32:6;33:7;34:15; 43:21;57:10;62:20
commercially (1)
7:8
Commission (1) 62:25
common (2)
12:18;13:2 communities (7)
12:1;47:3;53:13,23;
57:11;59:12;62:15
community (3) 18:22;45:20;54:10
companies (4)
9:2;22:5;47:16;49:8
company (7) 6:13,21;13:14;22:7;
45:6;58:20,22
compared (1)
4:14 competition (3)
54:17,17,18
complete (2)
31:4;59:3 completed (1)
57:1 completely (4)
11:20;28:25;30:24;
44:18 complex (1)
55:12

- НС	OMER, ALASKA
co	omplicated (1) 50:22
co	omposed (1) 60:22
co	empression (1) 59:1
co	omputer (2) 16:1;34:12
co	ncentration (2) 37:23;47:5
co	ncern (15)
	3:21;25:22;33:21, 24;34:11;50:15,16,23;
	51:17;52:23;56:17,19; 58:10,24;61:21
co	ncerned (18)
	5:5,12;25:9,18;26:4, 8;40:15;50:11;52:3;
	56:4;60:14,20;61:5,7,
co	10,14,22;62:10 oncerns (7)
	19:12;33:9,19;
	40:13;49:22;52:13; 58:25
co	ncluded (1)
co	63:9 ondition (2)
	44:9;45:15
co	onditioning (2) 39:1;41:23
co	nditions (4)
co	35:8;44:7;47:14,18 onflict (1)
0.0	42:25
Co	ongregation (3) 38:8;40:24;41:10
co	onnected (2) 51:4;52:6
co	nnection (1)
co	11:16 onsecutively (1)
	49:18
co	onsequences (3) 24:17;28:12;44:3
co	nsider (2)
co	51:7;56:6 ensideration (1)
co	19:9 onsiderations (1)
co	51:21 onsidered (7)
	20:5;27:3,12,13;
C	29:21;42:25;56:14 onsidering (1)
co	25:21 onsiders (1)
	59:16
co	onsistency (2) 40:4;42:11
co	onstruct (1) 15:22

construction (2)

38:12;61:6

```
contact (2)
  38:24:41:21
contain (2)
  17:6,7
containment (3)
  52:24;57:15,23
contaminated (3)
  11:5,8;43:7
contaminates (1)
  44:12
contamination (3)
  43:4;45:13;52:17
contaminations (1)
  50:23
continually (1)
  35:5
contributes (1)
  24:12
controversial (1)
  13:9
convince (1)
  16:7
Cook (21)
  7:11;8:1;14:18;
  19:21;21:6;26:16;
  32:7,8,9,21,21;34:4;
  43:17,21;44:2;45:9;
  47:16;48:12;54:23;
  62:7,11
cooks (1)
  55:11
copper (3)
  8:22;13:8;61:3
core (1)
  17:16
Corp (1)
  16:6
corporate (1)
  8:12
Corps (15)
  15:16,19;16:1,12;
  20:6;27:17;28:1,17;
  30:12;32:18;45:2;
  56:2,12,25;59:2
corridor (4)
  37:18;39:5;40:21;
  54:6
corrupt (1)
  61:2
cost (2)
  4:21;12:25
country (4)
  13:22;34:21;39:8;
  58:7
couple (2)
  25:23;33:9
course (1)
  37:5
Cove (2)
  37:18;40:21
crab (4)
```

```
6:2
crawfish (1)
  43:8
crazy (4)
  30:3;48:10;53:15;
  54:7
creat (1)
  41:8
create (3)
  4:20;38:6;47:24
created (2)
  30:25;51:9
creation (1)
  20:24
creatures (1)
  52:5
Creek (8)
  7:4;35:14,14;38:16,
  16;41:14,14;50:18
crisis (1)
  30:23
Cristo (1)
  11:9
critically (1)
  43:18
cross-Cook-Inlet-pipeline (1)
  61:24
cubic (2)
  44:19;45:8
cultural (4)
  27:3,14;55:9,9
culturally (1)
  27:6
culture (2)
  12:4;47:7
cultures (3)
  12:3;19:14,16
curious (1)
  26:11
current (2)
  31:22;56:11
currently (3)
  4:2;30:23;46:10
currents (1)
  43:25
cycles (1)
  44:19
cynical (1)
  58:10
           D
dam (7)
  5:8;12:10;15:24;
  16:2;21:21;26:5;
  57:15
```

damage (6)

damaged (2)

damages (1)

14:6

44:7;48:7

11:19,23;17:10;

45:19;57:9,20

57:23
danger (1)
10:25
dangerous (3)
15:6;21:8;44:1
DANIEL (2)
3:2;7:25
darn (1)
5:7
data (9)
6:15,16,23,24;
56:14;59:10,16;60:16,
17
database (2)
6:15,24
· ·
daughter (1)
11:14
Dave (2)
55:25,25
days (2)
27:19;29:2
dead (1)
8:23
deadly (1)
24:18
deal (1)
27:11
dealing (1)
7:23
debacle (1)
30:17
debris (1)
18:9
decade (2)
56:8,10
decades (2)
47:17;55:14
decide (1)
4:24
decision (2)
13:19;56:15
declaration (1)
27:23
declared (2)
28:13,25
declares (1)
47:23
decline (1)
47:9
declines (1)
47:8
declining (1)
48:13
decrease (2)
40:10;42:16
deep (3)
35:24;38:4;41:6

definitely (1)

definition (1)

23:14

63:3

defunct (1)

32:11,11,11;62:12

CRAMPTON (1)

Beer in to MEET in to	HOWEN, HERBINI	1	T	11pm 11, 2010
57:19	develop (2)	distributed (1)	DREW (1)	39:20;51:15;52:12;
degrade (1)	9:1;62:2	60:23	40:19	54:19
14:25	developed (1)	distribution (2)	drift (6)	effort (1)
degrees (1)	62:16	39:18;61:12	11:13,14,15;20:11;	56:20
6:3	development (6)	District (1)	21:20;33:17	Eggs (1)
delicate (1)	54:14;56:22;57:8,	8:14	driven (1)	9:12
54:1	16;62:1;63:7	Disturbance (2)	35:3	egregious (1)
delineated (1)	developments (1)	39:11;60:15	drives (1)	28:3
63:1	28:3	disturbing (1)	5:22	EIS (1)
demand (3)	devoted (1)	46:13	due (3)	19:5
56:25;58:4;59:21	23:14	ditch (1)	39:12;43:15;47:4	either (1)
demolition (1)	dice (1)	44:19	dug (1)	50:25
21:1	8:16	divergent (1)	44:17	elephant (1)
denied (1)	difference (1)	25:11	dump (1)	58:11
28:8	43:22	dock (3)	11:5	elevated (1)
DENNIS (1)	difficult (3)	7:4,18;33:11	during (1)	46:22
9:8	34:16;55:4;62:6	docking (1)	48:9	eliminate (1)
Department (2)	dig (2)	61:7	dust (3)	19:6
8:4;31:18	16:13;36:10	dollar (1)	32:1;60:21,21	eliminated (2)
depend (2)	digging (2)	14:5	Dynasty (2)	19:16,17
12:2;58:1	11:6;36:2	dollars (1)	57:7,18	eliminating (1)
dependant (1)	digress (1)	46:20		19:9
61:19	58:17	Dolly (1)	${f E}$	elite (1)
depended (1)	Dillingham (2)	38:15	_	41:9
12:9	26:2,14	Donald (1)	eagles (2)	else (5)
deposit (3)	dime (1)	13:21	40:14,18	3:11;6:10;36:20;
4:16;58:24;60:23	48:7	done (8)	early (2)	44:3;51:20
deposits (1)	diminish (3)	6:25;8:21;28:2;	35:15;50:17	embankments (1)
57:14	39:13,15;42:2	29:8,10;49:23;52:16;	Earth (1)	52:24
depth (1)	diminished (2)	57:20	40:25	emotional (2)
34:24	39:24;42:5	Donlin (2)	earthen (1)	30:1,1
describing (1)	diminishing (1)	47:4;56:7	21:21	employer (1)
59:10	39:18	door (2)	earthquake (6)	12:5
deserve (2)	DINTHER (1)	9:19,22	17:11;21:8,23;	employment (1)
23:12;25:1	37:16	down (9)	24:16;25:24;43:11	51:7
designed (1)	direct (7)	5:14;10:10;13:1;	earthquakes (2)	empty (1)
3:9	19:3;38:10;39:1,20;	16:13;27:4;36:14;	14:1;36:13	22:12
destroy (4)	40:1;41:23;42:6	43:1,8;49:25	eat (5)	end (5)
6:9;12:7,8;21:4	directly (1)	downhill (2)	9:7;38:17;41:15;	4:24;38:21;46:19;
destroyed (1)	14:13	43:6;50:25		59:25;61:25
4.4.5	disagree (1)		47:2,4	- /->
44:/		downstream (4)	economic (10)	endeavor (2)
destruction (1)	24:9	44:13;53:21;57:11,	10:5;13:6;46:20;	21:4;34:2
33:23	disappointed (1)	25	52:8;53:12;55:15;	endured (1)
destructive (1)	3:18	dozens (1)	56:18;57:1;61:10,14	44:23
44:1	disaster (5)	58:6	economically (3)	energy (3)
deter (1)	9:5;14:2;28:15;	drainage (6)	56:22;58:4,20	26:3;29:21,24
38:12	31:1,3	9:9;44:6;50:25;	economics (1)	engineer (1)
determinants (1)	disasters (2)	51:2,3,21	57:5	8:25
62:4	28:11,19	draw (1)	economies (5)	Engineers (11)
determination (3)	discourage (1)	19:23	19:7,8,11,14,17	15:16;16:2;20:6;
58:15,17;63:2	3:10	dredge (8)	economy (16)	27:18;30:12;32:18;
determine (1)	discussed (1)	36:3;45:9;49:14;	3:23;4:10;18:21;	45:2;56:2,12,25;59:3
59:16	55:16	50:15;52:15;53:2;	19:9,10,12,22;29:20;	enjoy (2)
detriment (1)	dispersed (1)	54:5;55:1	45:19;47:23;52:11;	23:4;31:11
50:5	27:9	dredged (3)	54:16;55:13,17;59:13;	enormous (1)
detrimentally (1)	displaced (1)	26:15,20;35:5	61:18	11:6
14:16	53:25	dredging (12)	ecosystem (9)	enough (8)
devastate (1)	displacement (3)	21:10,12;26:10,22;	30:19;31:4,11;	16:2,3;27:16;32:24;
24:17	39:11,22;42:4	33:21;35:24;36:9;	45:19;52:18;54:2;	44:12;49:25;55:2;
devastated (1)	Disposal (2)	37:22;38:14;40:24;	55:4;57:10;59:18	63:8
22:17	35:12;52:14	41:12;50:3	ecosystems (1)	entire (5)
devastating (2)	disrupt (1)	dredgings (1)	28:5	20:11;23:10;51:13;
21:9,12	20:1	20:23	effects (4)	61:23;62:7

	- ,		T	1 /
entity (1)	exactly (3)		25:24;26:1,2;54:19	fishing (9)
12:18	3:10;8:24;24:23	${f F}$	ferry (4)	7:25;11:12;14:9;
environment (15)	examine (1)		21:14;59:14,17;	21:20;24:11;33:2;
4:5;15:9;16:23;	15:19	facilities (4)	60:7	36:21;52:9;62:21
27:23;29:15,17,18,18,	examined (1)	37:22;40:23;61:7,7	few (7)	fish's (1)
20;44:5;46:2;57:21,	15:20	facility (2)	9:3;32:11,22;34:22;	46:24
22;59:12;60:18	example (1)	39:7;55:15	35:22;36:1;52:2	five (1)
environmental (11)	50:21	facing (1)	fighting (1)	16:15
3:15;13:12;14:5;	excavating (1)	58:19	28:22	fixing (1)
28:7,9,11;31:1,3;57:9;	36:3	fact (5)	fill (10)	48:5
62:7,19	exceeds (2)	28:7;35:25;46:11;	26:12,18;35:5;	flap (1)
environments (2)	58:13;63:1		36:11;45:10;49:14;	58:11
28:4;60:18	except (1)	56:6;59:8	50:15;52:15;53:2;	flesh (1)
EPA (3)	25:4	facts (1)	54:5	46:24
28:24;29:8;63:5	Exchange (1)	29:8	filled (1)	flora (1)
EPA's (2)	62:25	fail (1)	11:8	30:20
58:14;63:2	excuse (2)	13:25	filling (1)	flow (4)
equipment (2)	36:18;51:24	failed (3)	50:3	33:25;50:2,20;
7:13;46:8	exists (1)	13:18,25;16:10	fills (2)	53:16
ERNEST (1)	60:16	failure (1)	16:14;26:15	flows (1)
13:6		26:24	final (2)	50:18
	expand (4)	failures (1)	` /	
errors (1)	9:22,22;58:8,22	46:9	58:14;63:2	folks (3)
46:8	expansion (1)	fairly (2)	find (1)	53:21;54:16;55:10
erupted (1)	58:5	19:1;34:20	30:14	follow (2)
43:15	expect (1)	fall (2)	Fire (1)	40:8;42:14
Es (1)	36:11	35:16;52:20	14:1	following (2)
29:20	expected (1)	Falls (1)	firm (1)	43:3;45:1
especially (13)	15:24	38:13	52:7	fond (1)
5:10;12:3;20:5;	expelled (1)	falter (1)	first (10)	13:7
31:5;39:7;40:5;46:6;	4:18	15:3	4:10;8:7;9:16;24:8;	food (3)
48:19;59:7;60:5;	expensive (1)	familiar (6)	25:10;29:19;45:22;	39:1,12;41:23
61:16,23;62:12	29:9	19:1,19,20;31:20;	51:16;56:4,16	food-conditioned (2)
establishment (1)	experience (7)	34:21;52:22	firsthand (1)	39:9;41:24
43:1	14:23,25;39:14,16,	families (3)	18:1	fool (2)
estimation (1)	19,24;42:6	12:1,9;13:20	fish (28)	24:5,5
50:5	expertise (1)	family (4)	7:5,8,12,15;8:4,8;	foolish (1)
et (1)	34:18	8:1;11:16;12:4;	11:19;13:11;15:12;	20:8
5:22	exploratory (2)	18:16	18:19;27:8;31:17,22;	foot (2)
ethics (1)	6:15,24	family-owned (1)	33:7;37:13;38:17;	9:19,21
29:21	explored (2)	18:18	43:7;44:22;46:6,23;	footprint (5)
evaluated (1)	62:8,9		47:1,2,4,6,8,9;48:16;	56:9;58:9,13,23;
62:4	explosions (1)	famous (1)	50:7	63:1
evasive (1)	52:16	18:11	fished (4)	foreign (2)
17:3	express (1)	far (7)	8:1;34:5,19,21	13:14,21
even (14)	3:4	4:4,22;7:12;10:6;	fisheries (12)	forever (7)
12:3,12;17:15;20:5;	extends (2)	15:15;49:25;55:24	12:6;17:24;19:2;	11:23;13:5;22:3,5;
25:12,14;29:25;32:23;		fast (2)	32:6,7,9;34:8;50:7;	25:21;37:11;53:14
37:13;43:22;46:21;		16:14;27:8	51:9;55:8;57:10;	
	extra (1)	fauna (2)	62:14	fork (3) 50:4,4,19
47:21;58:8;62:5	36:8	30:20;39:18		
evening (1)	extract (1)	favor (1)	fisherman (5)	former (1)
3:21	10:1	14:3	19:1;22:8;34:15;	18:25
events (1)	extracting (2)	feasible (3)	43:21;54:21	forming (1)
52:20	49:5;56:21	47:21;56:23;58:4	fishermen (4)	46:5
eventually (5)	extraordinary (1)	feeding (2)	20:13;24:13,14;	forum (1)
9:22;11:23;12:11;	48:12	47:9;61:12	27:4	3:5
53:4;60:22	extreme (4)	feeding-and-home-range (2)	fishermen's (1)	forward (1)
everybody (4)	44:1;47:14,17;	40:9;42:14	27:13	7:2
20:12;24:20;26:25;	52:20	feel (5)	fishery (9)	found (3)
52:21	extremely (1)	5:4;16:5;27:22;	12:9;14:17;19:7;	58:14;60:16,22
everyone (3)	62:2	55:19,23	29:4;34:6;35:20;	four (3)
14:15;24:18;25:4	Exxon (1)	feelings (1)	50:14;51:10;59:18	8:2;26:11;29:20
14.13,24.10,23.4				
	15:7		fishes (1)	four-and-a-half (1)
everywhere (1) 50:8		11:17 felt (4)	fishes (1) 11:13	four-and-a-half (1) 35:1

		1	1	
four-wheel (1)	37:23	7:6	half (3)	7:14;13:21;15:22
5:21	gave (1)	gravity (1)	22:20;28:12;36:5	helpless (1)
fragile (1)	55:23	53:3	halibut (1)	27:22
30:19	general (4)	great (4)	54:21	HENRY (1)
fragment (1)	33:2;34:15;52:14;	3:16;29:14;50:23;	HAMILTON (1)	10:11
39:4	61:16	51:17	40:19	high (6)
fragmentation (1)	generalities (1)	greatly (1)	happen (7)	10:23;25:20;42:3;
48:19	13:23	12:1	8:25;9:3;16:11;	46:1;47:5;52:19
freeze (1)	generation (2)	greed (1)	17:10;24:24;31:3;	higher (2)
21:15	31:7;54:15	13:14	52:21	5:2;30:7
frequent (2)	generations (7)	Green (2)	happened (2)	HIGHLAND (1)
28:19;42:20	15:3,4;19:24;31:7;	6:5;62:12	9:5;16:10	27:17
frequently (1)	40:8;42:13;47:8	grew (1)	happens (2)	highly (2)
28:12	genetic (1)	43:5	16:15;28:20	46:5;48:20
fresh (1)	6:9	grossly (1)	Happy (1)	high-value (3)
53:8	genetics (1)	59:9	23:1	39:13,15,19
freshwater (2)	6:7	ground (4)	harbor (5)	highway (3)
59:23;61:2	geologists (1)	10:1;15:2;34:23;	5:15;23:3;26:14;	5:13;22:23;48:9
friends (2)	13:6	50:18	35:24;61:6	hire (2)
25:25;26:1	GERVAIS (2)	grounds (3)	hard (2)	10:2,4
frightening (1)	25:6,7	21:24;35:20;51:24	15:16;27:4	historical (1)
29:12	gets (1)	group (2)	hardly (1)	42:25
frozen (1)	18:9	27:2;29:13	29:5	histories (1)
21:15	giant (1)	grow (2)	harm (1)	28:11
frustrating (1)	8:12	13:7;60:11	12:12	history (3)
62:19	given (1)	grown (1)	harmed (1)	13:13;16:4;28:6
fry (3)	35:7	32:14	9:7	hold (1)
60:5,12;61:4	giving (2)	growth (1)	harvest (1)	21:22
fuel (1)	27:19;55:23	60:5	15:5	holder (1)
59:19	GLENN (2)	guarantee (1)	havoc (1)	21:20
fugitive (2)	12:15,15	36:20	32:2	holding (1)
60:21,21	goals (1)	guarantees (1)	hazards (1)	7:18
fulfill (1)	3:6	31:2	3:15	hole (1)
22:6	God (3)	guess (6)	headwaters (4)	44:17
full (4)	8:10;10:8,9	7:24;10:7;28:14;	5:9;8:13;34:8;53:24	home (1)
9:23;10:15;22:13;	goes (5)	29:22;49:13;55:2	health (2)	59:20
46:5	4:2;19:25;24:15;	guests (1)	20:2;61:11	Homer (26)
full-time (1)	44:13;45:7	18:18	healthy (5)	3:13,20;5:14;12:16;
36:18	gold (8)	guided (1)	11:25;19:15,15,24;	21:3;22:20;25:7,24;
Fund (1)	8:23;9:10;10:13,15;	49:17	50:9	31:14;32:20;33:1,6,8;
24:23	13:9;30:22;44:24;	guides (1)	hear (1)	34:1,1,1;37:1,2,2,4,14;
Funds (2)	47:4	55:11	3:8	54:6,10;56:1;61:17,18
24:25;46:16	Golden (1)	GUSTAFSON (3)	heard (4)	hope (3)
funniest (2)	9:12	31:13,14;49:13	4:1;20:9;28:7;37:2	10:8,8;24:5
20:19,19	good (10)	guy (1)	hearing (2)	horrendous (1)
Furthermore (1)	5:10;6:22;7:22;	33:8	3:3;26:9	29:24
21:25	27:15;33:1,16;37:12;	33.6	hearings (1)	horrific (3)
future (5)	43:9;53:13;55:23	Н	3:8	22:22;23:5;28:23
4:23;8:17;15:2;	goodness (1)	**	heart (3)	hours (1)
31:8;47:7	29:3	habitat (12)	35:19;39:8;51:14	44:18
31.8,47.7	Goose (1)	17:25;18:4,5,15;	heavily (2)	house (1)
G	9:12	21:11,13;32:11;33:14,	14:25;47:6	25:25
3	government (2)	22;39:4;50:2;51:13	heavy (4)	housing (1)
goin (1)	24:19,21	habitation (1)	46:6,22,23;47:5	54:18
gain (1) 13:15	graduate (1)	42:24	heavy-duty (1)	hub (1)
Game (5)	6:4	habitats (1)	48:10	55:15
8:4;31:17;38:5;	Granted (1)	60:25	held (1)	HUDSON (1)
	13:8		17:14	40:17
41:7;42:20		habituated (2)		
gas (15)	grasp (1)	40:6;42:12	hell (2)	huge (8)
20:18;21:5,9;23:1;	52:7	habituation (2)	30:9,17	16:16;18:9,10;
32:21,21,22,24;35:17,	grave (1)	40:7;42:12	helm (1)	22:25;24:3;27:25;
17;54:9,15,16,23;62:5	25:22	HAGGERTY (1)	29:13	29:3;56:21
gather (1)	gravel (1)	18:25	help (3)	human (5)
	İ.	1	i .	1

33:25;39:4;40:3; 17,22;60:9,15,21; 36:21;61:15;62:16 42:9;54:19 61:15,20;62:3,7,8,22 influx (1)		
42:9;54:19 61:15,20;62:3,7,8,22 influx (1)	43:12	32:11,11;49:20;
	irreversible (2)	50:1,6,10;52:9;54:21
humans (6) implemented (1) 54:14	45:20;46:2	Kirschner (1)
38:24;39:2;40:1; 56:5 information (2)	Island (1)	7:12
41:21,24;42:7 important (9) 6:22;59:10	35:18	knowing (1)
humorous (1) 10:10;25:1;26:19; infraction (1)	islands (1)	52:5
20:17 27:7;35:20;51:7; 22:13	59:24	knowledge (3)
	issue (1)	18:2;27:7,10
10:13,16,19;11:2; importantly (1) 4:17;15:23;16:21;	35:13	known (4)
14:4 62:15 37:8;45:16;48:4;52:4	; issues (2)	6:19;38:17;41:15;
hundreds (3) impossible (3) 54:9;56:21;61:21	49:14;50:2	51:22
22:1;24:12;46:15	issuing (1)	knows (2)
hunting (1) impoundment (2) 4:20	43:2	3:11;17:10
52:10 50:13;52:24 inhabit (1)	13.2	Koktuli (6)
	J	
	J	49:17,17,18;50:4,
18:21,21,21 8:8 initiative (2)		19;51:21
husband (2) inadequate (1) 44:16;51:11	Jack (1)	KREBS (2)
11:13,14 59:10 Inlet (23)	9:11	11:11,11
hydrology (1) inaugural (1) 7:11;8:1;14:18;	January (1)	Kvichak (2)
55:4 13:21 19:21;21:6,6;23:8;	27:20	8:14;9:9
include (3) 26:17;32:7,8,9,21,21		0.11,5.5
		L
	35:22	L
including (1) 45:9;47:17;48:12;	JESSIE (1)	
ice (2) 62:12 54:23;62:7,11	7:1	lack (1)
35:3;47:20 incompatible (2) insane (2)	job (4)	56:17
idea (5) 28:25;44:22 9:14;47:13	28:2;36:23;37:7,10	Laid (1)
5:10;8:12;32:17; inconceivable (1) instance (1)	jobs (24)	9:12
34:10;53:22 34:25 57:22	4:20;9:24,25;10:3,	Lake (22)
ideas (2) increase (2) insurance (3)	5;13:22;17:18;19:3,5,	7:12;9:9;20:1;
	6,13;23:21,22;30:24,	21:14,15,17;31:24,24;
	25;36:17,18,22;46:20;	34:23;45:13;53:3,5,8;
identified (1) increased (13) intact (2)		
62:9 22:24;23:2;33:25; 11:22;28:5	47:22,24,25,25;48:1	59:19,20,23,25;60:4,7,
62:9 22:24;23:2;33:25; 11:22;28:5 identity (1) 38:11,18,23;39:12,15, intentionally (1)	JOE (1)	59:19,20,23,25;60:4,7, 10,12,19
62:9 22:24;23:2;33:25; 11:22;28:5		10,12,19
62:9	JOE (1) 33:5	10,12,19 lakes (2)
62:9 22:24;23:2;33:25; 11:22;28:5 identity (1) 38:11,18,23;39:12,15, 27:14 17;41:17,20;42:2; 24:3 interact (1)	JOE (1) 33:5 June (2)	10,12,19 lakes (2) 11:4,9
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 22:24;23:2;33:25; 38:11,18,23;39:12,15, 17;41:17,20;42:2; 48:11 increases (1) 11:22;28:5 intentionally (1) 24:3 interact (1) 4:8	JOE (1) 33:5 June (2) 29:2;30:16	10,12,19 lakes (2) 11:4,9 land (4)
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 22:24;23:2;33:25; 38:11,18,23;39:12,15, 17;41:17,20;42:2; 48:11 increases (1) 4:8 interest (2)	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1)	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10,	JOE (1) 33:5 June (2) 29:2;30:16	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1)
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 22:24;23:2;33:25; 38:11,18,23;39:12,15, 17;41:17,20;42:2; 48:11 increases (1) 4:8 interest (2) 6:17,22 Internet (1)	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 imagine (1) 22:24;23:2;33:25; 38:11,18,23;39:12,15, 17;41:17,20;42:2; 48:11 increases (1) 4:8 interest (2) 6:17,22 Internet (1) incredibly (2) 15:14	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1)	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9)
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 22:24;23:2;33:25; 38:11,18,23;39:12,15, 17;41:17,20;42:2; 48:11 increases (1) 4:8 interest (2) 6:17,22 Internet (1)	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 imagine (1) 12:10 22:24;23:2;33:25; 38:11,18,23;39:12,15, 17;41:17,20;42:2; 48:11 interact (1) 24:3 interact (1) 4:8 interest (2) 6:17,22 Internet (1) 15:14 intertidal (1)	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17;
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 imagine (1) 12:10 immediate (4) 22:24;23:2;33:25; 38:11,18,23;39:12,15, 17;41:17,20;42:2; 48:11 increases (1) 4:8 interact (1) 4:8 interest (2) 6:17,22 Internet (1) 15:14 intertidal (1) 62:14	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19 K Kachemak (4)	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17; 44:12;49:2;51:23,23;
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 imagine (1) 12:10 immediate (4) 40:2,10;42:7,15 22:24;23:2;33:25; 38:11,18,23;39:12,15, 17;41:17,20;42:2; 48:11 interact (1) 24:3 interact (1) 4:8 interest (2) 6:17,22 Internet (1) 15:14 incredibly (2) 34:24;55:12 intertidal (1) 62:14 intervene (1)	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19 K Kachemak (4) 16:24;18:17;48:11;	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17; 44:12;49:2;51:23,23; 54:14;55:14
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 imagine (1) 12:10 immediate (4) 40:2,10;42:7,15 immediately (1) 22:24;23:2;33:25; 38:11,18,23;39:12,15, 17;41:17,20;42:2; 48:11 interact (1) 4:8 interest (2) 6:17,22 Internet (1) 15:14 incredibly (2) 15:14 intertidal (1) 62:14 intervene (1) 63:5	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19 K Kachemak (4) 16:24;18:17;48:11; 62:16	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17; 44:12;49:2;51:23,23; 54:14;55:14 largest (9)
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 imagine (1) 12:10 12:10 12:10 12:10 12:10 12:10 12:10 12:10 12:10 12:10 12:10 12:10 12:10 12:10 12:10 12:10 12:10 134:24;55:12 11:22;28:5 intentionally (1) 24:3 interact (1) 4:8 interest (2) 6:17,22 Internet (1) 15:14 incredibly (2) 15:14 intertidal (1) 62:14 intervene (1) 63:5 intervene (1) 63:5 intervene (2) 63:5 intervene (2)	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19 K Kachemak (4) 16:24;18:17;48:11; 62:16 Kamishak (4)	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17; 44:12;49:2;51:23,23; 54:14;55:14 largest (9) 5:8,8;21:16,21;
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 imagine (1) 12:10 12:10 12:10 12:10 12:10 12:10 12:10 12:10 12:10 12:10 12:10 12:10 134:24;55:12 11:22;28:5 intentionally (1) 24:3 interact (1) 4:8 interest (2) 6:17,22 Internet (1) 15:14 incredibly (2) 15:14 incredial (1) 62:14 intervene (1) 63:5 intervene (1) 63:5 intervene (1) 63:5 intervene (1) 63:5 intervene (2) 63:5 into (23) intervene (3) intervene (3) intervene (4) 63:5 intervene (4) 63:5 into (23) intervene (3)	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19 K Kachemak (4) 16:24;18:17;48:11; 62:16 Kamishak (4) 20:14;33:12,12;	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17; 44:12;49:2;51:23,23; 54:14;55:14 largest (9) 5:8,8;21:16,21; 28:4;29:4;34:8;40:24;
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 imagine (1) 12:10 immediate (4) 40:2,10;42:7,15 immediately (1) 46:23 impact (30) identity (1) 22:24;23:2;33:25; intentionally (1) 24:3 interact (1) 4:8 interest (2) 6:17,22 Internet (1) 15:14 intertidal (1) 62:14 intervene (1) 63:5 intervene (1) 63:5 intervene (1) 63:5 intervene (2) 63:5 intervene (1) 63:5 intervene (1) 63:5 intervene (2) 63:5 intervene (1) 63:5 intervene (2) 63:5 intervene (3) 63:5 intervene (4) 63:5 intervene (1) 63:5 intervene (2) 63:5 intervene (3) 63:5 intervene (4) 63:5 int	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19 K Kachemak (4) 16:24;18:17;48:11; 62:16 Kamishak (4) 20:14;33:12,12; 34:18	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17; 44:12;49:2;51:23,23; 54:14;55:14 largest (9) 5:8,8;21:16,21; 28:4;29:4;34:8;40:24; 53:5
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 imagine (1) 12:10 immediate (4) 40:2,10;42:7,15 immediately (1) 46:23 impact (30) 42:24;23:2;33:25; 38:11,18,23;39:12,15, 17;41:17,20;42:2; 48:11 increases (1) 48: interest (2) 6:17,22 Internet (1) 15:14 intertidal (1) 62:14 intervene (1) 63:5 intervene (1) 63:5 intervene (1) 63:5 into (23) intervene (3) 4:22;46:12 4:22;46:12 18:14;27:24;32:5; independent (3) 20:21;21:23;23:23;	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19 K Kachemak (4) 16:24;18:17;48:11; 62:16 Kamishak (4) 20:14;33:12,12; 34:18 KBBI (1)	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17; 44:12;49:2;51:23,23; 54:14;55:14 largest (9) 5:8,8;21:16,21; 28:4;29:4;34:8;40:24; 53:5 last (2)
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 imagine (1) 12:10 immediate (4) 40:2,10;42:7,15 immediately (1) 46:23 impact (30) 4:5,9;5:19;14:14; 18:14;27:24;32:5; 36:14;37:2,19;38:6; 22:24;23:2;33:25; 38:11,18,23;39:12,15, 17;41:17,20;42:2; 48:11 interact (1) 4:8 interest (2) 6:17,22 Internet (1) 15:14 intertidal (1) 62:14 intervene (1) 63:5 intervene (1) 63:5 into (23) 4:22;46:12 4:22;46:12 7:12;16:24;17:1;19:8 20:21;21:23;23:23; 36:14;37:2,19;38:6; 6:16;56:18,25	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19 K Kachemak (4) 16:24;18:17;48:11; 62:16 Kamishak (4) 20:14;33:12,12; 34:18 KBBI (1)	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17; 44:12;49:2;51:23,23; 54:14;55:14 largest (9) 5:8,8;21:16,21; 28:4;29:4;34:8;40:24; 53:5
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 imagine (1) 12:10 immediate (4) 40:2,10;42:7,15 immediately (1) 46:23 impact (30) 4:5,9;5:19;14:14; 18:14;27:24;32:5; 36:14;37:2,19;38:6; 22:24;23:2;33:25; 38:11,18,23;39:12,15, 17;41:17,20;42:2; 48:11 interact (1) 4:8 interest (2) 6:17,22 Internet (1) 15:14 intertidal (1) 62:14 intervene (1) 63:5 intervene (1) 63:5 into (23) 4:22;46:12 4:22;46:12 7:12;16:24;17:1;19:8 20:21;21:23;23:23; 36:14;37:2,19;38:6; 6:16;56:18,25	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19 K Kachemak (4) 16:24;18:17;48:11; 62:16 Kamishak (4) 20:14;33:12,12; 34:18 KBBI (1) ; 4:1	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17; 44:12;49:2;51:23,23; 54:14;55:14 largest (9) 5:8,8;21:16,21; 28:4;29:4;34:8;40:24; 53:5 last (2) 45:23;49:24
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 imagine (1) 12:10 immediate (4) 40:2,10;42:7,15 immediately (1) 46:23 impact (30) impact (30) 4:5,9;5:19;14:14; 18:14;27:24;32:5; 38:11,18,23;39:12,15, 17;41:17,20;42:2; 48:11 increases (1) 48:11 increases (1) 48: incredible (3) 23:17;52:8;54:24 interest (2) 6:17,22 Internet (1) 15:14 intertidal (1) 62:14 intervene (1) 63:5 intervene (1) 63:5 into (23) 4:22;46:12 4:22;46:12 18:14;27:24;32:5; 36:14;37:2,19;38:6; 40:22;41:8;43:24; indigenous (1) 41:22;28:5 intentionally (1) 24:3 interect (1) 62:14 intertidal (1) 62:14 intervene (1) 63:5 into (23) 4:23;5:7;6:14,23; 7:12;16:24;17:1;19:8 20:21;21:23;23:23; 36:16;40:7;41:24;	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19 K Kachemak (4) 16:24;18:17;48:11; 62:16 Kamishak (4) 20:14;33:12,12; 34:18 KBBI (1) ; 4:1 keep (4)	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17; 44:12;49:2;51:23,23; 54:14;55:14 largest (9) 5:8,8;21:16,21; 28:4;29:4;34:8;40:24; 53:5 last (2) 45:23;49:24 lasting (1)
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 imagine (1) 12:10 immediate (4) 40:2,10;42:7,15 immediately (1) 46:23 impact (30) 4:5,9;5:19;14:14; 18:14;27:24;32:5; 36:14;37:2,19;38:6; 40:22;41:8;43:24; 46:2;47:7,22;48:3,12, 38:11,18,23;39:12,15, 17;41:17,20;42:2; 48:11 increases (1) 4:8 interact (1) 4:8 interest (2) 6:17,22 Internet (1) 15:14 intertidal (1) 62:14 intervene (1) 63:5 into (23) into (23) 4:22;46:12 18:14;27:24;32:5; 36:14;37:2,19;38:6; 40:22;41:8;43:24; 46:2;47:7,22;48:3,12, 30:21 11:22;28:5 intentionally (1) 24:3 interect (1) 62:14 intertidal (1) 62:14 intervene (1) 63:5 into (23) 4:23;5:7;6:14,23; 7:12;16:24;17:1;19:8 20:21;21:23;23:23; 36:16;40:7;41:24; 50:25;53:4;55:6;	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19 K Kachemak (4) 16:24;18:17;48:11; 62:16 Kamishak (4) 20:14;33:12,12; 34:18 KBBI (1) ; 4:1 keep (4) 12:21,24;37:9;	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17; 44:12;49:2;51:23,23; 54:14;55:14 largest (9) 5:8,8;21:16,21; 28:4;29:4;34:8;40:24; 53:5 last (2) 45:23;49:24 lasting (1) 13:13
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 imagine (1) 12:10 immediate (4) 40:2,10;42:7,15 immediately (1) 46:23 impact (30) 4:5,9;5:19;14:14; 18:14;27:24;32:5; 36:14;37:2,19;38:6; 40:22;41:8;43:24; 46:2;47:7,22;48:3,12, 15,25;49:3,6,7,8;53:8; 22:24;23:2;33:25; 38:11,18,23;39:12,15, 24:3 intentionally (1) 24:3 interact (1) 4:8 interest (2) 6:17,22 Internet (1) 15:14 intertidal (1) 62:14 intervene (1) 63:5 into (23)	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19 K Kachemak (4) 16:24;18:17;48:11; 62:16 Kamishak (4) 20:14;33:12,12; 34:18 KBBI (1) ; 4:1 keep (4) 12:21,24;37:9; 48:23	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17; 44:12;49:2;51:23,23; 54:14;55:14 largest (9) 5:8,8;21:16,21; 28:4;29:4;34:8;40:24; 53:5 last (2) 45:23;49:24 lasting (1) 13:13 late (1)
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 imagine (1) 12:10 immediate (4) 40:2,10;42:7,15 immediately (1) 46:23 impact (30) 4:5,9;5:19;14:14; 18:14;27:24;32:5; 36:14;37:2,19;38:6; 40:22;41:8;43:24; 46:2;47:7,22;48:3,12, 15,25;49:3,6,7,8;53:8; 56:9;61:10;62:14; 22:24;23:2;33:25; 38:11,18,23;39:12,15, 17;41:17,20;42:2; 48:11 increases (1) 4:8 interect (1) 4:8 interest (2) 6:17,22 Internet (1) 15:14 intertidal (1) 62:14 intervene (1) 63:5 into (23) 4:22;46:12 60:7,8 indefinitely (2) 4:22;46:12 15:14;27:24;32:5; 16:16;56:18,25 16:16;56:18,25 17:22;18:43:24; 18:14;27:24;32:5; 18:14;27:24;33:5; 18:14;27:24;33:5; 18:14;27:24;33:5; 18:14;27:24;33:5; 18:14;27:24;33:5; 18:14;27:24;33:5; 18:14;27:24;33:5; 18:14;27:24;33:5; 18:14;27:24;33:5; 18:14;27:24;33:5; 18:14;27:24;33:5; 18:14;27:24;33:5; 18:14;27:24;33:5; 18:14;27:24;33:5; 18:14;27:24;33:5; 18:14;27:24;33:5; 18:14;27:24;33:5; 18:14;27:24;33:5; 18:14;27:24;33:24; 18:14;27:24;33:24; 18:14;27:24;33:24; 18:14;27:24;33:25; 18:14;27:24;33:25; 18:16;40:7;41:24; 18:14;27:24;33:24; 18:16** 18:14;27:24;33:25; 18:14;27:24;33:25; 18:14;27:24;33:25; 18:14;27:24;33:25; 18:14;27:24;33:25; 18:14;27:24;33:25; 18:14;27:24;33:25; 18:14;27:24;33:25; 18:14;27:24;33:25; 18:14;27:24;33:25; 18:14;27:24;33:25; 18:14;27:24;33:25; 18:14;27:24;33:25; 18:14;27:24;33:25; 18:14;27:24;33:25; 18:14;17:20;42:2; 18:14;17:20;42:2; 18:14;11 11:22;28:5 14:3 11:22;28:5 14:81 11:22;28:5 14:81 11:22;28:5 14:8 11:22;28:5 14:8 11:22;28:5 14:8 11:22;28:5 14:8 11:22;28:5 14:8 11:22;28:5 14:8 11:22;28:5 14:8 11:22;38:5 14:8 11:22;28:5 14:8 15:14 11:22;28:5 14:8 11:22;28:5 14:8 11:22;33:25; 16:17,22 11:22;38:5 16:17,22 11:21;23:3:3 15:14;31 15:14 15:14 15:14 15:14 15:14 15:14 15:14 15:14 15:14 15:14 15:14 15:14 15:14 15:14 15:14 15:14 15:14 15:14 11:22;28:5 16:17,22 11:21;23:3 15:14 11:22;28:5 16:17,22 11:21;23:3 15:14	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19 K Kachemak (4) 16:24;18:17;48:11; 62:16 Kamishak (4) 20:14;33:12,12; 34:18 KBBI (1) ; 4:1 keep (4) 12:21,24;37:9; 48:23 Kenai (2)	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17; 44:12;49:2;51:23,23; 54:14;55:14 largest (9) 5:8,8;21:16,21; 28:4;29:4;34:8;40:24; 53:5 last (2) 45:23;49:24 lasting (1) 13:13 late (1) 52:1
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 imagine (1) 12:10 immediate (4) 40:2,10;42:7,15 immediately (1) 46:23 impact (30) 4:5,9;5:19;14:14; 18:14;27:24;32:5; 36:14;37:2,19;38:6; 40:22;41:8;43:24; 46:2;47:7,22;48:3,12, 15,25;49:3,6,7,8;53:8; 56:9;61:10;62:14; 63:2 22:24;23:2;33:25; 38:11,18,23;39:12,15, 17;41:17,20;42:2; 48:11 increases (1) 4:8 interect (1) 4:8 interest (2) 6:17,22 Internet (1) intertidal (1) intertidal (1) 62:14 intervene (1) 63:5 into (23) into (23) into (23) into (23) into (23) into (23) indefinitely (2) 4:22;46:12 7:12;16:24;17:1;19:8 6:16;56:18,25 20:21;21:23;23:23; 36:16;40:7;41:24; 30:21 30:21 30:21 50:25;53:4;55:6; 59:19;62:11 intolerant (2) industrial (2) 39:2;41:24	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19 K Kachemak (4) 16:24;18:17;48:11; 62:16 Kamishak (4) 20:14;33:12,12; 34:18 KBBI (1) 4:1 keep (4) 12:21,24;37:9; 48:23 Kenai (2) 22:22;38:20	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17; 44:12;49:2;51:23,23; 54:14;55:14 largest (9) 5:8,8;21:16,21; 28:4;29:4;34:8;40:24; 53:5 last (2) 45:23;49:24 lasting (1) 13:13 late (1) 52:1 later (3)
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 imagine (1) 12:10 12:10 12:10 140:2,10;42:7,15 immediate (4) 40:2,10;42:7,15 immediately (1) 46:23 impact (30) 4:5,9;5:19;14:14; 18:14;27:24;32:5; 36:14;37:2,19;38:6; 40:22;41:8;43:24; 46:2;47:7,22;48:3,12, 15,25;49:3,6,7,8;53:8; 56:9;61:10;62:14; 63:2 impacted (4) 22:24;23:2;33:25; 38:11,18,23;39:12,15, 17;41:17,20;42:2; 48:11 increases (1) 4:8 interest (2) 6:17,22 Internet (1) 15:14 intertidal (1) 62:14 intervene (1) 63:5 into (23) into (24) into (2	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19 K Kachemak (4) 16:24;18:17;48:11; 62:16 Kamishak (4) 20:14;33:12,12; 34:18 KBBI (1) 4:1 keep (4) 12:21,24;37:9; 48:23 Kenai (2) 22:22;38:20 KERRY (1)	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17; 44:12;49:2;51:23,23; 54:14;55:14 largest (9) 5:8,8;21:16,21; 28:4;29:4;34:8;40:24; 53:5 last (2) 45:23;49:24 lasting (1) 13:13 late (1) 52:1 later (3) 8:9;10:19;33:18
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 imagine (1) 12:10 12:10 12:10 12:10 134:24;55:12 134:14 12:10 12:10 134:24;55:12 135:5 136:14;27:24;32:5; 136:14;37:2,19;38:6; 40:22;41:8;43:24; 46:2;47:7,22;48:3,12, 15:25;49:3,6,7,8;53:8; 56:9;61:10;62:14; 63:2 impact (4) 14:13;22:16;27:25; identity (1) 17;41:17,20;42:2; 48:11 11:22;28:5 intentionally (1) 24:3 interact (1) 4:8 interest (2) 6:17,22 Internet (1) 15:14 intertidal (1) 62:14 intertidal (1) 62:14 intervene (1) 63:5 into (23) into (23) 4:23;57;6:14,23; 7:12;16:24;17:1;19:8 20:21;21:23;23:23; 25:12,19;26:6;34:23 36:16;40:7;41:24; 50:25;53:4;55:6; 59:19;62:11 intolerant (2) 39:2;41:24 introduction (1) 62:11	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19 K Kachemak (4) 16:24;18:17;48:11; 62:16 Kamishak (4) 20:14;33:12,12; 34:18 KBBI (1) 4:1 keep (4) 12:21,24;37:9; 48:23 Kenai (2) 22:22;38:20 KERRY (1) 24:8	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17; 44:12;49:2;51:23,23; 54:14;55:14 largest (9) 5:8,8;21:16,21; 28:4;29:4;34:8;40:24; 53:5 last (2) 45:23;49:24 lasting (1) 13:13 late (1) 52:1 later (3) 8:9;10:19;33:18 lead (3)
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 imagine (1) 12:10 12:10 12:10 12:10 12:10 134:24;55:12 134:24;55:12 134:24;55:12 134:24;55:12 134:24;55:12 134:24;55:12 135:5 136:14;37:2,15;36:6 136:14;37:2,19;38:6; 40:22;41:8;43:24; 46:2;47:7,22;48:3,12, 15;25;49:3,6,7,8;53:8; 56:9;61:10;62:14; 63:2 impacted (4) 14:13;22:16;27:25; 43:18 22:24;23:2;33:25; 11:22;28:5 intentionally (1) 24:3 interect (1) 4:8 interest (2) 6:17,22 Internet (1) 15:14 intervene (1) 62:14 intervene (1) 63:5 into (23) into (JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19 K Kachemak (4) 16:24;18:17;48:11; 62:16 Kamishak (4) 20:14;33:12,12; 34:18 KBBI (1) 4:1 keep (4) 12:21,24;37:9; 48:23 Kenai (2) 22:22;38:20 KERRY (1)	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17; 44:12;49:2;51:23,23; 54:14;55:14 largest (9) 5:8,8;21:16,21; 28:4;29:4;34:8;40:24; 53:5 last (2) 45:23;49:24 lasting (1) 13:13 late (1) 52:1 later (3) 8:9;10:19;33:18
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 imagine (1) 12:10 12:10 34:24;55:12 immediate (4) 40:2,10;42:7,15 immediately (1) 46:23 impact (30) 4:5,9;5:19;14:14; 18:14;27:24;32:5; 36:14;37:2,19;38:6; 40:22;41:8;43:24; 46:2;47:7,22;48:3,12, 15:25;49:3,6,7,8;53:8; 56:9;61:10;62:14; 63:2 impacted (4) 14:13;22:16;27:25; 43:18 22:24;23:2;33:25; 11:22;28:5 intentionally (1) 24:3 interact (1) 4:8 interest (2) 6:17,22 Internet (1) 15:14 intervene (1) 62:14 intervene (1) 63:5 into (23) into (2	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19 K Kachemak (4) 16:24;18:17;48:11; 62:16 Kamishak (4) 20:14;33:12,12; 34:18 KBBI (1) 4:1 keep (4) 12:21,24;37:9; 48:23 Kenai (2) 22:22;38:20 KERRY (1) 24:8	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17; 44:12;49:2;51:23,23; 54:14;55:14 largest (9) 5:8,8;21:16,21; 28:4;29:4;34:8;40:24; 53:5 last (2) 45:23;49:24 lasting (1) 13:13 late (1) 52:1 later (3) 8:9;10:19;33:18 lead (3) 10:16,18,24
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 imagine (1) 12:10 immediate (4) 40:2,10;42:7,15 immediately (1) 46:23 impact (30) 4:5,9;5:19;14:14; 18:14;27:24;32:5; 36:14;37:2,19;38:6; 40:22;41:8;43:24; 46:2;47:7,22;48:3,12, 15,25;49:3,6,7,8;53:8; 56:9;61:10;62:14; 63:2 impacted (4) 14:13;22:16;27:25; 43:18 impactful (1) 22:24;23:2;33:25; 11:22;28:5 intentionally (1) 24:3 interact (1) 4:8 interest (2) 6:17,22 Internet (1) 15:14 intervidal (1) 62:14 intervene (1) 63:5 into (23) into (23) into (23) into (23) indefinitely (2) 4:22;46:12 independent (3) 6:16;56:18,25 indigenous (1) 39:20 industrial (2) industrial (2) industrial (2) intolerant (2) 39:2;41:24 introduction (1) 62:11 invasive (1) invasive (1)	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19 K Kachemak (4) 16:24;18:17;48:11; 62:16 Kamishak (4) 20:14;33:12,12; 34:18 KBBI (1) 4:1 keep (4) 12:21,24;37:9; 48:23 Kenai (2) 22:22;38:20 KERRY (1) 24:8 kid's (1) 9:11	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17; 44:12;49:2;51:23,23; 54:14;55:14 largest (9) 5:8,8;21:16,21; 28:4;29:4;34:8;40:24; 53:5 last (2) 45:23;49:24 lasting (1) 13:13 late (1) 52:1 later (3) 8:9;10:19;33:18 lead (3) 10:16,18,24 leak (1)
62:9 identity (1) 27:14 Iliamna (15) 9:9;20:1;21:15,15; 31:24,24;53:3,5,8; 59:19,20,25;60:7,10, 19 imagine (1) 12:10 immediate (4) 40:2,10;42:7,15 immediately (1) 46:23 impact (30) 4:5,9;5:19;14:14; 18:14;27:24;32:5; 36:14;37:2,19;38:6; 40:22;41:8;43:24; 46:2;47:7,22;48:3,12, 15,25;49:3,6,7,8;53:8; 56:9;61:10;62:14; 63:2 impacted (4) 14:13;22:16;27:25; 43:18 impactful (1) 4:15 22:24;23:2;33:25; 38:11,18,23;39:12,15, 17;41:17,20;42:2; 48:11 increases (1) 4:8 interect (1) 4:8 interect (2) interect (1) 15:14 intervene (1) 62:14 intervene (1) 63:5 into (23) into	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19 K Kachemak (4) 16:24;18:17;48:11; 62:16 Kamishak (4) 20:14;33:12,12; 34:18 KBBI (1) 4:1 keep (4) 12:21,24;37:9; 48:23 Kenai (2) 22:22;38:20 KERRY (1) 24:8 kid's (1) 9:11 kind (7)	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17; 44:12;49:2;51:23,23; 54:14;55:14 largest (9) 5:8,8;21:16,21; 28:4;29:4;34:8;40:24; 53:5 last (2) 45:23;49:24 lasting (1) 13:13 late (1) 52:1 later (3) 8:9;10:19;33:18 lead (3) 10:16,18,24 leak (1) 11:23
62:9 identity (1) 22:24;23:2;33:25; 38:11,18,23;39:12,15, 17;41:17,20;42:2; 48:11 24:3 interact (1) 24:3 interest (2) 4:15 increases (1) 23:17;52:8;54:24 interest (2) incredible (3) 23:17;52:8;54:24 interest (2) interest (1) interest (2) interest (2) interest (2) interest (1) interest (2) interest (1) interest (1) interest (2) interest (1) interest (2) interest (1) interest (1) interest (1) interest (2) interest (1) interest (1) interest (2) interest (1) interest (2) interest (2) interest (2) interest (2) interest (1) interest (1) interest (2) interest (1) interest (2)	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19 K Kachemak (4) 16:24;18:17;48:11; 62:16 Kamishak (4) 20:14;33:12,12; 34:18 KBBI (1) 4:1 keep (4) 12:21,24;37:9; 48:23 Kenai (2) 22:22;38:20 KERRY (1) 24:8 kid's (1) 9:11 kind (7) 11:18,20;30:2;	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17; 44:12;49:2;51:23,23; 54:14;55:14 largest (9) 5:8,8;21:16,21; 28:4;29:4;34:8;40:24; 53:5 last (2) 45:23;49:24 lasting (1) 13:13 late (1) 52:1 later (3) 8:9;10:19;33:18 lead (3) 10:16,18,24 leak (1) 11:23 least (1)
62:9 identity (1) 27:14 11:22;28:5 intentionally (1) 24:3 interact (1) 4:8 interest (2) 6:17,22 interedible (3) 23:17;52:8;54:24 interedible (3) 23:17;52:8;54:24 interedible (1) 12:10 34:24;55:12 incubator (1) 62:14 intertidal (1) 62:14 intervene (1) 63:5 in	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19 K Kachemak (4) 16:24;18:17;48:11; 62:16 Kamishak (4) 20:14;33:12,12; 34:18 KBBI (1) 4:1 keep (4) 12:21,24;37:9; 48:23 Kenai (2) 22:22;38:20 KERRY (1) 24:8 kid's (1) 9:11 kind (7) 11:18,20;30:2; 35:23;50:13;52:23;	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17; 44:12;49:2;51:23,23; 54:14;55:14 largest (9) 5:8,8;21:16,21; 28:4;29:4;34:8;40:24; 53:5 last (2) 45:23;49:24 lasting (1) 13:13 late (1) 52:1 later (3) 8:9;10:19;33:18 lead (3) 10:16,18,24 leak (1) 11:23 least (1) 57:13
62:9 identity (1) 22:24;23:2;33:25; 38:11,18,23;39:12,15, 17;41:17,20;42:2; 48:11 24:3 interact (1) 24:3 interest (2) 4:15 increases (1) 23:17;52:8;54:24 interest (2) incredible (3) 23:17;52:8;54:24 interest (2) interest (1) interest (2) interest (2) interest (2) interest (1) interest (2) interest (1) interest (1) interest (2) interest (1) interest (2) interest (1) interest (1) interest (1) interest (2) interest (1) interest (1) interest (2) interest (1) interest (2) interest (2) interest (2) interest (2) interest (1) interest (1) interest (2) interest (1) interest (2)	JOE (1) 33:5 June (2) 29:2;30:16 Juneau (1) 8:19 K Kachemak (4) 16:24;18:17;48:11; 62:16 Kamishak (4) 20:14;33:12,12; 34:18 KBBI (1) 4:1 keep (4) 12:21,24;37:9; 48:23 Kenai (2) 22:22;38:20 KERRY (1) 24:8 kid's (1) 9:11 kind (7) 11:18,20;30:2;	10,12,19 lakes (2) 11:4,9 land (4) 22:9,10,12;45:14 landing (1) 36:14 large (9) 37:22;38:19;41:17; 44:12;49:2;51:23,23; 54:14;55:14 largest (9) 5:8,8;21:16,21; 28:4;29:4;34:8;40:24; 53:5 last (2) 45:23;49:24 lasting (1) 13:13 late (1) 52:1 later (3) 8:9;10:19;33:18 lead (3) 10:16,18,24 leak (1) 11:23 least (1)

SCOPING MEETING -
led (1) 58:16
left (5)
21:18;28:13;32:12; 47:2,2
lending (1) 14:2
less (3) 23:9;40:9;42:15
lets (1) 24:19
level (4)
6:4;38:11;41:17; 47:5
levels (3) 25:20;46:22;49:4
life (2) 22:20;28:2
lifeblood (1) 13:4
life-long (1) 17:23
lifestyle (2) 8:6;13:4
likelihood (2) 30:7;39:8
likely (2)
38:23;41:20 limit (1)
47:3 limited (3)
54:18;57:17;59:8 line (3)
20:18;23:1;54:24 lined (1)
11:7 LISA (2)
11:11,11
literate (1) 34:12
little (11) 5:6;7:5,14;23:13,
23;28:12;31:21,21;
37:6,7;44:21 littler (1)
24:1 live (8)
21:3;22:15;25:7; 28:14;31:10,14;37:14;
47:11
lived (5) 8:19;12:16;14:8;
15:7;22:19 livelihood (2)
8:17;14:14 livelihoods (2)
14:7;53:24 lives (2)
26:25;52:21 living (7)
6:10;14:9;26:19,21; 49:9;54:10;55:11
49:9;54:10;55:11 Lloyd's (1)

- :	HOMER, ALASKA
	45:6 LOBOY (1) 40:17
	local (8)
	4:1;27:7;37:20; 47:1,3,5;59:12;62:20
	locally (1) 60:9
	locals (1) 18:7
	location (7)
	4:13;12:14;43:10; 47:11;61:5;62:3,5
	lodge (3) 18:16,17;55:12
	logging (1)
	11:6 London (1)
	45:6 long (9)
	4:23;9:2;13:13;
	14:22;20:9,20;26:11; 45:9;52:11
	long-lasting (1) 13:22
	look (5) 4:9;20:21;32:18;
	35:7;55:6
	looked (1) 53:9
	loose (1) 36:15
	lose (1) 36:22
	losing (2)
	14:7;45:25 loss (2)
	45:4;46:20 lost (1)
	31:1
	lot (12) 4:3;7:17;8:21;
	10:22;26:3,16;27:7; 36:16,22,25;51:4;
	52:12 lots (3)
	24:1;30:15;31:25
	love (2) 5:25;55:5
,	lower (1) 45:9
	LUSH (1)
	7:25 lying (1)
	43:8
	M
	magnitude (1)
	24:16 main (9)

24:10;25:16;26:8,

23;45:21;47:6;49:19,

21;52:13
mainly (1)
7:9
mainstay (1)
52:10 maintain (1)
53:22
maintained (2)
5:1;61:9
maintaining (2) 55:3;57:23
maintenance (1)
57:20
major (7)
10:20;26:24;34:2; 37:16,19;40:19,22
makes (1)
43:22
making (1)
49:9 MAKO (1)
18:25
mammals (1)
40:14
many (19) 5:16;7:6;8:2;10:22;
12:1,1;13:18;19:5,6;
35:10;36:19;40:5;
42:11,19;47:24;48:2;
51:22;55:13,13
map (1) 15:11
margin (1)
44:15
mariculture (1) 62:16
marine (2)
39:18;40:14
MARK (1)
14:8 markets (1)
12:13
massive (1)
35:13
material (7) 26:6;36:4,4;44:20;
45:9,11;52:15
materials (3)
11:5,9;59:19
matter (2) 17:8,9
May (7)
25:24;38:12,14;
39:13;41:13;46:22;
60:22 maybe (5)
7:13;20:8,17;23:22;
53:10
McBRIDE-MORIN (1)

```
13,16,16,22,24,25;
  39:6,14,16,21;40:3,4,
  11;41:3,9,14,14,19,21,
  22;42:3,8,10,16,20
mean (3)
  9:14;46:18;54:9
means (3)
  22:3;26:5;30:9
measure (1)
  45:10
meeting (1)
  3:18
MEGHAN (2)
  25:6,6
mention (2)
  35:25;55:7
mercury (3)
  10:16,18,24
mess (2)
  6:1;28:15
messed (1)
  24:21
metal (2)
  13:13;47:5
metals (4)
  13:12;46:6,22,23
middle (1)
  24:3
MIDDLETON (1)
  35:22
might (2)
  30:13;46:8
migrate (1)
  25:15
migration (2)
  27:11;48:21
MIKE (1)
  30:18
Mikfik (2)
  38:16;41:14
mile (2)
  23:9:35:1
miles (3)
  26:11;43:14;60:24
millennia (1)
  44:24
millennium (1)
  31:12
million (5)
  44:19;45:8,24;
  46:17;49:15
mind (1)
  50:24
mine (115)
  3:14,15;4:4,13,14,
  18,19;5:5,6,8,9;6:9,
  17;9:10,13,17,20;
  10:10;11:18,19,22;
  12:7,10,14;13:8,10;
  14:16;15:5;16:16,20;
```

```
April 11, 2018
  24:2,3,6,6,9,15,24;
  25:3.9:26:9:28:23.24:
  30:19;31:5,16,25;
  32:10;34:7;37:13,17;
  40:12,12,20;42:18;
  43:6,10;44:2,24;
  45:15,18,18,22;46:1,3,
  11;47:4,10,12,19,24;
  49:2,23;53:2;56:3,7,8,
  17,19,22;57:4,8,16;
  58:4,5,9,9,12,18,22,
  22;59:6,7,22;61:20;
  62:1,22,23,24;63:1,3,7
mined (1)
  10:12
miner (1)
  5:23
minerals (4)
  4:18;17:2;60:22;
  61:3
mines (9)
  8:22,23;13:13;16:9;
  43:3;44:22;56:7;
  57:12;58:6
mine's (1)
  61:21
mining (14)
  5:24;6:13,21;10:6,
  11;11:22;13:14,24;
  16:4;22:5,7;28:10;
  58:20,22
Minute (1)
  44:11
misdirect (1)
  6:20
mislead (1)
  6:20
missed (1)
  27:19
mistake (1)
  33:19
mitigation (1)
  7:3
modeling (1)
  16:1
models (2)
  15:22,23
molybdenum (1)
  13:9
moment (1)
  48:8
money (7)
  9:16;10:1,4;16:25;
  27:18;29:23;49:11
Monte (1)
  11:9
months (1)
  59:4
MOORE (1)
```

42:23

moose (5)

51:23,23

43:20;48:20,22;

17:23;18:20,23;19:2;

20:4;21:3;22:1,2,10,

10,17,21;23:11,22;

5:19;18:12;23:9;

33:13;37:23;38:1,7,

17:22

McNeil (32)

	,			1 /
moral (1)	5:9;44:5;61:25	nursery (1)	3:10	
22:6	nearly (1)	9:11	optimized (1)	P
more (18)	56:8	Nushagak (2)	36:23	-
4:15;8:11;24:9;	necessary (1)	8:14;49:20	option (1)	Pacific (2)
29:15;30:6,9;37:3;	17:21	,	45:3	18:9;20:11
40:10;42:15;48:6,10;	necessitate (2)	O	optional (1)	paper (1)
55:16,20,22;58:8,23;	37:19;40:22		30:24	16:18
61:19,19	need (15)	object (2)	orally (1)	paperwork (1)
mortality (4)	3:4;7:15;13:9;	3:6,8	3:5	28:22
39:1;40:1;41:23;	18:14;19:8;21:25;	obligations (1)	order (3)	
42:6	22:2;23:24;25:3;	22:6	11:5;53:20;57:16	part (7) 13:15;17:25;19:4;
MOSLEY (1)	30:22;35:25;46:12;	obviously (1)	ore (6)	
30:18	48:16;55:16;60:2	11:15	56:20,21;57:12,14;	28:17;34:22;35:15;
most (11)	needed (3)	Ocean (4)	58:23;59:18	51:8
12:16;20:8;21:6;	23:7;29:24;49:5	18:9;23:19,20;30:4	original (4)	particular (1)
23:18;28:3;29:12;	needs (9)	oceans (1)	44:6,9;45:15;62:24	4:14
43:11;49:14,16;56:16;	6:23;8:11;13:8;	30:5	originally (1)	particularly (2)
62:15	15:20;19:4;21:15,17;	odd (1)	52:1	30:22;40:15
mostly (1)	27:12;32:18	31:18	originate (1)	partners (2)
4:10	negative (2)	off (4)	61:25	57:7,18
mother's (2)	38:6;41:8	22:20;37:6;38:14;	ourselves (1)	Partnership (9)
40:9;42:14	*	41:12	3:5	37:17;40:12,20;
,	negatively (2)		out (27)	42:18;46:13,16;57:17;
Mountains (1)	22:16;49:5	offset (1)	` '	59:8;60:6
10:12	neither (1)	30:25	6:22;7:18,23;10:1,	Partnership's (1)
moving (1)	43:3	oil (2)	14,14;11:20;13:7;	23:11
38:19	NELSON (1)	15:7;47:16	14:12;17:2,20;23:4,	partway (1)
Mt (1)	7:1	one (34)	17;25:17;26:15;	57:8
43:14	new (6)	5:23,25;8:7;9:17,	28:22;30:14;33:8;	pass (1)
much (14)	16:7;37:21;40:23;	18;10:20;19:9,12;	35:24;37:1;49:10;	18:12
3:17;4:6;12:13;	59:14;60:24;62:11	20:8,19;21:6,16;	50:3,24,24;51:2;	passage (1)
14:3;25:5;26:12;29:8;	next (4)	24:10;25:10;28:3,3,4,	55:19;60:11	26:10
35:8;36:7;37:14;48:6;	18:1;45:4;46:15;	10;33:10,19;34:2,8;	outcome (1)	passageways (1)
49:12;53:10,24	59:4	38:2;41:3;43:10,22;	57:6	49:6
MULAWA (1)	nice (1)	45:8;49:19,20,22;	outlined (1)	passed (1)
45:17	7:6	50:7;51:20;52:13;	56:5	44:15
MUNRO (1)	Nobody (1)	55:22	outraged (2)	past (2)
14:8	3:11	ones (3)	30:2,2	13:18,25
must (3)	noise (8)	24:13;28:18;33:10	outside (3)	pastor (1)
29:21;37:25;41:2	38:11,18;39:12,15,	only (17)	38:25;41:22;56:18	8:9
myself (2)	17;41:17;42:2;48:14	3:25;7:5;16:23;	outweigh (1)	patterns (3)
15:17;55:19	none (1)	24:20,24;27:5;31:7;	10:6	40:9;42:15;61:13
	4:23	32:5;34:3;36:6,7;	over (31)	pay (3)
N	non-Pebble (1)	43:19;44:20;48:14;	4:2,3,24;7:13,17;	9:4;28:15;45:7
	45:5	51:16;59:8;61:1	9:9,17,25;10:5;14:17,	pays (1)
name (7)	non-renewable (1)	open (4)	20;16:5,5;20:13,16;	48:5
11:11;12:15,25;	44:24	3:5;5:9;17:3;20:7	22:20;23:21;28:10;	Pebble (43)
25:6;31:13;33:11;	nor (1)	operate (2)	31:17;33:12,22;34:19,	3:14,15,21;6:8;
55:25	23:7	46:14;47:24	23,24;40:6;42:12,21;	10:14;13:10,17;14:4;
NATALIA (1)	Normally (1)	operated (1)	43:23;49:23;55:13;	16:20;17:23;18:23;
45:17	30:3	61:9	60:23	21:3;22:17;23:11,22;
nation (1)	North (2)	operating (2)	Overall (1)	24:6,9;30:10,18;33:3;
29:14	20:11;50:4	41:5;47:16	62:18	37:17;40:12,20;42:17;
national (1)	northern (4)	opportunities (1)	overburden (1)	43:3;44:2,14;45:18,
30:23	30:6;57:6,18;59:25	53:11	57:13	
Native (5)	note (1)	opportunity (4)	own (3)	21;46:1,3,13,16; 47:10,19,23;50:17;
27:1,12;30:20;	33:6	3:20;4:7;24:22;52:9	23:3;33:4;49:6	
55:10;60:13	notice (1)	oppose (3)	owned (1)	56:3;57:17;59:8;60:6,
natural (6)	27:20	17:23;18:23;45:21	8:3	23;62:22
4:7;15:9;17:24;	noticed (1)	opposed (8)	owners (1)	peninsula (4)
20:25;59:21;62:5	35:17	6:8;15:9;19:18;	55:12	22:22,22;23:7;
navigating (1)	number (6)	20:3,3;30:18;43:2;	owns (1)	38:20
	HUILIDEL (U)	40.3,3,30.10,43.4,	OMII2 (1)	people (35)
		45.17	18.16	
47:17 near (3)	25:10,10;29:11; 39:23;41:13;42:4	45:17 opposite (1)	18:16	3:10,13;6:17;8:6, 24;9:5,6,6,25;10:5,9;

SCOTING MEETING -	HOWER, ALASKA		I	April 11, 201
14:7,12,20;15:13,18;	7:22;13:17;14:4;	possible (8)	probably (8)	protected (5)
16:7;19:23;22:14;	24:4;37:17;40:20	11:21;31:5;38:10;	7:20;33:10;34:3;	8:11;18:6,14;30:9;
24:12;25:1;27:1,2,13;	planet (2)	42:17;47:21;51:3;	35:25;36:5,22;56:16;	40:16
29:13,16;31:10;33:16;	21:7;23:11	52:17;53:11	63:8	protection (6)
37:1;39:24;42:5;46:8;	planning (1)	possibly (2)	problem (6)	23:13,24;28:7,10;
48:2;55:9;57:25	26:10	22:16;32:25	9:1;28:17;47:10,15,	53:10;62:19
peoples (1)	plans (1)	posted (1)	22;48:18	protein (1)
55:10	35:7	14:4	problems (1)	47:7
percentage (1)	PLANT (2)	potential (17)	5:21	prove (2)
50:12	24:8;46:15	26:6,17;28:19;56:9;	Proceedings (1)	16:4,16
Perhaps (1)	plants (1)	57:9;58:19;59:7,11,	63:9	provide (2)
15:3	61:1	17,22;60:9,14,21,25;	process (12)	3:20;23:24
Permanent (2)	plastic (1)	62:3,13,22	15:18;52:14;56:2,5,	provided (1)
24:23,25	11:7	potentially (1)	13;57:2;58:16;59:1,3;	59:9
permanently (1)	plasticity (1)	43:18	60:8;62:18;63:7	provides (1)
22:17	6:9	pour (1)	produce (1)	23:21
permit (7)	play (2)	17:1	19:5	proximity (5)
21:19;28:8;34:20;	32:1;37:3	power (5)	produced (2)	3:22;4:15;37:21;
43:2;56:8;59:9;63:6	playing (1)	22:25;28:20;29:8;	46:1,5	40:23;61:8
permits (2)	8:16	54:8,15	produces (2)	Pruitt (1)
8:3;58:12	Please (1)	powerless (1)	19:2;50:10	29:12
permitted (4)	13:3	27:22	product (2)	public (9)
12:11;57:4;58:19;	pm (1)	precedent (1)	32:17;38:19	3:3,5,8,18;4:1;56:5;
63:4	63:9	5:2	production (3)	57:24,25;62:18
permitting (2)	Point (6)	precincts (1)	46:25;49:19;52:15	purpose (1)
57:1;58:8	5:14;15:5;23:2;	44:15	productive (1)	51:12
perpetuity (2)	29:7;58:18;61:25	premiere (2)	32:3	pushed (1)
22:3;25:19	pointing (1)	38:2;41:4	program (9)	29:7
person (2)	13:7	prepare (2)	6:6;38:2,25;39:22,	put (16)
30:13;43:22	points (1)	27:19;47:19	25;40:3;41:3,22;42:9	5:2;6:14,23;7:11;
personal (2)	35:21	prepared (1)	programs (2)	13:15;20:6;21:5,12;
18:1;29:23	poison (2)	44:3	38:2;41:4	23:1;30:21;31:15;
personally (1)	17:4,11	presence (1) 39:4	Project (20)	35:1;36:3;38:4;41:6; 48:24
42:19 PHIL (1)	pollute (1) 61:2	present (1)	3:14,22;7:2;15:13; 16:16;24:3,9;29:25;	48:24 putting (5)
34:14	pollution (1)	15:11	32:5;34:14;37:25;	9:13;33:10,12;
photosynthesis (1)	8:11	preserved (1)	39:21;40:12;41:2;	43:22;48:1
61:1	pond (2)	60:3	42:18;51:14,15;57:5,	73.22,70.1
piece (1)	11:22;25:19	President (1)	19;59:11	Q
51:6	ponds (1)	13:20	projects (1)	Y
pieces (1)	7:6	pressing (1)	4:20	quake (1)
27:24	poor (1)	56:12	pronounce (1)	26:4
pile (1)	28:6	pretty (9)	33:11	quality (1)
36:15	populated (1)	3:17;4:6;7:19;	propagate (1)	56:20
pilots (1)	48:20	14:25;25:5;37:14;	44:11	quickly (3)
55:12	population (10)	49:11;54:1;55:23	proportionate (1)	3:7;56:13;62:6
pin (1)	20:22;38:11;40:2;	prevent (1)	10:23	quite (4)
27:4	42:7;48:13,18;49:6;	57:16	proposal (5)	6:21;9:3;34:22;
pinks (1)	50:6;51:23;60:1	previous (1)	14:13;15:10;31:22;	35:22
35:15	populations (1)	42:24	38:4;41:6	quote (2)
pipeline (6)	60:4	prices (1)	proposed (22)	11:8;62:23
21:5,9;32:9;35:18;	porcupine (1)	54:16	7:4;14:24;18:2;	_
62:2,4	22:12	prime (5)	22:21,24;32:9;35:17;	R
pit (3)	port (18)	14:20;18:4,5;38:13;	37:21,25;39:3,21;	
5:9;11:7,8	18:2,10,14;20:6,23,	50:1	40:12,23;41:2;42:17;	Radio (1)
place (12)	24,25;33:12;34:3;	prior (1)	43:13;59:15;60:15,24;	4:1
5:5,25;18:10;24:7,	37:22;38:4;40:23;	32:22	61:6,24;62:23	rain (1)
17;31:14,16;36:9;	41:6;43:1,13;49:8,8;	priority (1)	proposing (4)	36:16
37:12;38:3;53:22; 61:25	61:6	53:20	14:19;19:25;23:22;	rains (1)
places (3)	ports (1) 34:2	pristine (3) 11:19;14:23;44:5	60:6 protect (7)	52:19
21:7;35:11;37:1	pose (1)	prized (1)	13:3;34:16;35:9;	raising (2) 12:22,23
			50:8;51:10,12;57:22	ranges (1)
plan (6)	62:6	50:7	1 30.9.31.10.17.37.77	ranges (I)

SCOTING MEETING -	HOWIER, ALASKA		I	April 11, 2010
30:7	reduce (4)	required (1)	14:1	12:21;16:3;45:18;
rather (2)	39:9,23;42:4;61:1	57:14	risk (9)	47:13;48:24;54:25
5:1;34:25	reefs (1)	requirement (1)	9:13;13:15;30:20,	safeguard (1)
raw (1)	7:19	44:8	21;31:25;41:25;	46:9
6:23	Refuge (7)	requires (1)	50:13;57:9,24	safeguards (1)
razor (1)	37:24;38:9;39:6,10;	40:25	risks (2)	16:3
44:17	41:7,11;42:21	research (2)	3:15;54:22	safely (1)
reach (1)	regard (4)	56:14;59:21	River (32)	16:17
49:10	56:2,17;60:17,20	reserve (4)	10:20;11:2;18:12;	safety (2)
reaches (1)	regarding (1)	51:9,14,16;55:8	23:9;33:17;38:1,13,	39:10;41:25
51:25	3:21	resident (2)	16,22,24,25;39:14,21;	salesperson (1)
reaction (1)	region (19)	15:12;33:6	40:3,11;41:14,19,21,	6:19
54:3	8:17;25:22;27:1;	resource (5)	22;42:4,8,10,16,20;	salmon (71)
read (1)	29:1;50:22;51:13;	5:1,3;12:1;44:23;	49:17,18,19;50:1,5,9,	3:23,24;4:11,22;5:9,
36:2	52:11,18,21;53:5,12;	54:25	19;60:18	25;6:10;7:3,5,10;8:5,
ready (1)	54:16;55:8,18;56:10;	resources (8)	rivers (3)	13;9:7;10:19;12:2,4,8,
37:4	58:1;61:16;62:8;63:4	12:21;15:2;39:6,12;	10:21;49:19;53:17	13;14:17;15:3;17:24;
real (2)	region's (3)	45:7;54:17;58:2;		18:5,20;19:7,15,16;
16:17;28:19	59:13;62:14,14	59:21	rivulet (1) 31:21	21:1,19,24;22:11;
			road (13)	
realize (2)	regularly (1)	respond (1)		23:16;25:7,11,13,13;
10:25;47:11	18:12	62:6	5:20;7:14;19:25;	26:24;27:11;29:4;
realized (1)	reindeers (1)	responsibilities (1)	20:3,22;21:4;31:23,	30:7;31:25;32:17;
33:18	48:22	57:21	23;36:5,6;39:3;48:21;	33:1;34:8;35:14;
really (19)	reiterate (1)	responsibility (1)	60:15	37:20;38:15;41:13;
5:18;10:3;15:18,25;	59:5	56:24	roads (6)	44:10;45:23,24;46:6,
20:4;25:18;26:4,19;	relatively (1)	responsible (1)	17:1;37:21;40:23;	19;48:15;49:6,20;
27:6,8;31:19;32:18;	26:3	17:14	48:5,6,23	50:1,6,10;51:13;52:5;
34:3,6;50:1;52:7;53:9,	release (3)	result (7)	roadway (1)	53:6;54:21;58:1;
13;54:2	21:23;26:6;46:18	22:2;33:23;38:25;	60:24	59:24;60:3,9,10,12,
reams (1)	rely (1)	40:11;41:22;42:17;	ROBERTA (1)	24;61:4,4
28:22	47:6	57:6	27:17	salmon's (1)
rears (1)	remain (3)	resulting (3)	rock (2)	32:16
31:22	18:6,14;29:6	39:3,24;42:5	35:11;57:13	salt (1)
reason (7)	remediation (1)	retired (1)	rough (1)	48:25
15:1,4;21:8,20;	31:4	31:17	34:24	same (3)
24:10;32:3;34:1	remove (2)	return (1)	round (1)	13:18;24:16;44:20
reasons (5)	45:8,15	60:12	57:19	samples (1)
14:15;25:10;43:3;	removed (1)	returned (2)	ruin (1)	17:16
45:21;57:3	50:11	44:6,8	44:12	sanctuaries (1)
recap (1)	removing (1)	returning (2)	rumor (1)	19:21
22:15	50:3	45:14;50:10	12:12	Sanctuary (10)
receive (1)	renewable (4)	review (2)	run (12)	18:12;23:10;38:5,8;
58:12	5:1,2;11:25;44:23	37:19;40:22	7:5,8;11:19;12:8;	39:6,10;41:7,10,25;
recently (1)	replace (1)	Revolution (1)	19:15,16;23:16;25:7;	42:20
10:17	19:10	6:5	31:23;34:22;38:15;	sand (1)
recommendations (2)	replacing (1)	rhyme (1)	45:23	48:25
45:1;58:14	19:11	9:11	running (1)	Sauk (1)
re-compensate (1)	reports (1)	rich (1)	47:20	10:20
14:6	59:2	12:25	runs (5)	saw (1)
record (1)	represent (1)	RICHARD (2)	20:13;21:17;32:10;	15:8
17:6	27:5	31:13,13	46:19;54:6	saying (2)
records (1)	reproduce (1)	richest (1)	runway (1)	5:6;11:1
43:4	59:25	28:4	7:7	scale (5)
recover (2)	reproduction (1)	right (13)	q	9:14,19;31:5;59:6,
11:2,24	60:2	3:4,4;4:6;15:6;	S	11
recreation (1)	reproductive (2)	17:15;25:2;29:5;	- (1)	scallop (3)
54:18	61:4,12	32:10;33:17;51:14;	sacred (1)	32:10;33:22;35:19
red (2)	reputation (1)	54:6;55:21,22	9:15	scallops (1)
7:5;29:4	43:4	rights (3)	sacrifice (1)	26:20
Redoubt (1)	require (9)	53:17,18,23	11:4	scene (1)
33:18	4:17;44:10;45:3,5,	righty (1)	sacrificed (1)	28:14
re-dredged (1)	12,14;46:16;49:2;	30:14	11:10	scenic (1)
36:1	57:12	Ring (1)	safe (6)	22:23
	1	i e e e e e e e e e e e e e e e e e e e	i .	i .

SCOPING MEETING -	HOMER, ALASKA
schedule (1)	11:13
57:4	setnets (1)
schooling (1)	11:15
38:15	setup (1)
science (1)	3:9
50:17	several (1)
scientist (1)	51:11
6:3	severely (1)
scope (2)	43:18
12:7;59:10	shallow (1)
scoping (3) 51:19;53:7;56:2	34:25
Scott (1)	shallowness (1) 20:15
29:12	sham (2)
scour (1)	3:2;56:6
35:4	shame (1)
scrutiny (1)	34:7
54:25	SHANNON (1)
seals (2)	17:22
53:8;59:23	SHARON (1)
season (2)	10:11
35:15;48:9 seasonally (1)	shipping (1) 17:20
27:5	shook (1)
seasons (1)	25:24
49:18	shore (1)
second (1)	59:24
26:8	short-sided (1)
secondary (2)	13:16
58:7;59:1	short-term (1)
section (1)	13:15
37:7	show (1) 24:20
secure (1) 46:16	showing (1)
Securities (1)	50:21
62:25	shown (1)
security (1)	50:17
30:23	shut (1)
sediment (3)	10:9
15:24;26:13,16	shyster (1)
seem (2)	6:20
12:18;33:15 seemed (1)	side (7) 14:18;32:20;43:17,
37:10	20;48:24;52:12;54:2
seems (2)	sight (1)
3:9;34:25	50:24
seine (2)	significant (2)
32:8;34:20	26:18;27:14
seismic (4)	silver (1)
26:3,4;61:22;62:3	35:16
seismically (3)	similar (2) 10:11,13
21:6;25:21;47:12 Senator (1)	single (2)
31:15	26:15;46:3
sense (4)	site (7)
12:18,23;13:2;27:3	4:4;14:24;26:9;
sensitive (2)	31:25;42:23,25;53:2
25:14;46:7	sits (2)
serious (2)	51:14;53:3
40:10;42:16	situation (2)
service (1)	48:15;62:21
31:18	six (1)
setnet (1)	43:20

	six-year (1) 42:21
	42:21 size (8)
	9:23;12:10;15:24;
	21:4;23:2;27:24; 47:12;59:6
	skiff (1)
	23:4
	slow (1)
	16:13 slower (1)
	44:21
	small (4)
	18:18;23:4;25:14; 26:4
	smaller (8)
	9:19;24:2,2;56:8,9,
	9;58:12;62:24
	smolt (1) 60:11
	social (1)
	54:13
	sockeye (4) 7:10;21:17;35:15;
	53:6
	solitude (2) 38:9;41:11
	solution (1)
	28:18
	someone (1) 45:6
	sometimes (2) 43:7;58:8
	somewhere (1)
	36:19
	son (1) 11:15
	sorry (2)
	8:14;25:16
	sort (1) 6:16
	sorts (1)
20	6:20
20	source (2) 47:6;51:7
	south (4)
	35:18;50:4,19;53:4 Southcentral (1)
	8:20
	span (1) 42:21
	spawning (8)
	21:23;45:24;50:1;
	51:13,24;59:24;60:4, 13
	speak (3)
2	29:6;34:17;49:14
	special (2) 11:24;27:6
	species (5)
	48:16;53:11;62:10,
	11,12

	TRANSCI
15:17;16	·5
specifically	(3)
37:17;40 spending (1	:20;49:16
54:10	L)
spent (3)	.25.42.20
spill (3)	:25;43:20
15:8;59:1	8;62:5
spirit (1) 8:11	
split (1)	
54:11 spoils (2)	
35:12;36	:15
spoke (1) 13:23	
sport (1)	
32:5 spring (1)	
48:5	
springs (1) 25:23	
stage (1)	
60:5 stake (2)	
46:20;48	:1
stand (1) 29:11	
stands (1)	
53:19	
start (3) 28:23;31	:22;37:6
started (3)	05.21.10
7:25;29:2 starting (1)	
23:2	
start-up (1) 23:23	,
state (10)	C-24-21
10:12;12 32:4;42:2	:6;24:21; 20;43:5;50:6
7,7;61:9	
state-estab	lished (1)
States (1)	
17:20 Statewide (1)
32:15	
station (2) 4:1;22:25	5
statistics (3	
6:4,6,12 status (2)	
53:17,25	
stay (1) 11:22	
staying (1)	
51:1 STEINBEI	RG (1)
5:4	
Sterling (1)	١

```
April 11, 2018
STEVE (1)
  15:11
Stevens (1)
  31:15
still (8)
  13:1;31:10,15;
  34:20;49:10;53:22;
  58:13;63:1
stirred (1)
  10:18
stock (1)
  6:10
stocks (2)
  8:8;15:3
stop (3)
  28:19,20;48:21
store (1)
  17:4
storms (2)
  18:10;44:4
strategy (2)
  58:11;60:2
stream (5)
  35:16;38:18;43:6;
  45:12;60:18
streams (14)
  3:23;4:11;5:9;8:23,
  23;12:21;15:12;25:11,
  13;31:25;32:2;36:16;
  41:15;60:25
strikes (1)
  34:15
strong (2)
  11:16;52:19
strongly (1)
  3:3
structure (1)
  50:22
structured (2)
  40:4;42:10
studied (3)
  28:24;49:4;62:21
studies (2)
  48:16;49:23
study (4)
  29:9;47:20;49:25;
  51:5
stuff (1)
  17:20
stunning (1)
  12:17
sub-bottom (1)
  44:20
submerged (1)
  57:15
submitting (1)
  33:3
subsequent (2)
  40:7;42:13
subsistence (1)
  32:6
substantial (1)
```

57:24

specific (2)

Sterling (1)

48:9

subsurface (1)	61:3,23	testimony (2)	21:22,23;26:6;	51:19
50:24	systems (5)	3:20;34:11	28:14;46:1,5;47:13	tundra (1)
success (2)	21:4;38:18;50:20;	thanks (1)	trade (1)	54:1
61:4,12	51:3;53:25	27:16	13:11	turn (4)
successful (1)	31.3,33.23	theoretically (1)	Trading (1)	12:8;36:15;43:7,16
35:7	T	19:10	44:23	, , , , , , , , , , , , , , , , , , ,
	1			two (7)
sudden (1)		Therefore (3)	traffic (10)	6:2;11:4,4;44:18;
36:6	table (2)	8:16;19:17;42:24	22:24;33:25,25;	50:20;51:3;57:3
suffer (1)	50:16,22	third (1)	38:19;39:3;41:18;	two-lane (1)
8:24	tailings (9)	26:23	48:3,8,11,14	22:23
suggested (1)	11:22,22;21:13,22;	thoroughly (2)	transfer (1)	types (1)
62:24	22:1;25:19;26:5;	15:19;55:16	54:15	5:16
suggestions (3)	50:13;52:24	though (3)	transferred (1)	typically (2)
15:15,17;16:6	Talarik (2)	37:13;40:10;42:15	57:23	40:8;42:14
sulfide (1)	50:18;51:2	thousands (3)	transferring (1)	,
57:12	talk (7)	4:22;24:12;46:15	54:23	\mathbf{U}
summer (4)	9:24,25;19:13;	threat (2)	transit (1)	
14:22;48:9;55:11;	35:23;36:17;49:16;	19:3;39:25	60:11	unacceptable (2)
61:18	51:1	three (1)	transport (1)	57:24;59:6
summers (4)	talked (2)	28:24	15:25	under (2)
8:2;17:25;43:20;	25:25;26:1	throughout (1)	transportation (3)	57:15;58:11
	*			
54:11	talking (4)	62:7	32:1;37:18;40:21	underground (2)
sums (1)	23:18;32:23;45:22;	thus (3)	transported (1)	50:20;51:4
34:13	52:23	39:9;40:9;42:15	4:19	underneath (1)
SUOJA (1)	tanner (1)	tidal (2)	travel (1)	50:18
13:6	32:11	47:13,18	4:3	undoubtedly (2)
supply (2)	tapping (1)	tide (1)	traveled (2)	38:6;41:8
24:14;55:20	55:19	44:19	8:21;39:5	unevenness (1)
support (2)	taxes (1)	tides (4)	traveling (2)	20:15
17:24;32:10	48:6	27:10;35:4;43:25;	8:21;50:24	unfortunate (1)
supposedly (1)	taxpayers (1)	45:10	treat (1)	58:21
36:4	28:16	tied (1)	22:4	Unfortunately (1)
sure (6)	taxpayer's (1)	8:10	treated (5)	13:12
6:21;7:20;14:15;	27:18	ties (1)	22:2;25:12,21;	unhealthy (1)
44:2;49:15;54:25	teaming (1)	12:4	46:12,21	22:14
surety (1)	23:20	TIM (1)	treatment (2)	unique (5)
45:3	technician (1)	5:4	46:14,17	27:6;38:7;59:20;
surf (2)	6:3	times (1)	tremendous (2)	60:1,2
18:9;35:6	techniques (2)	8:3	32:15;43:23	United (1)
surprised (1)	13:18,24	today (2)	trench (1)	17:20
20:4	technology (1)	12:17;61:17	36:11	unless (1)
surrounding (3)	46:10	together (1)	tribes (3)	24:4
3:23;39:13;49:1	temporary (1)	12:5	47:1,6;62:20	unprecedented (1)
surrounds (1)	44:25	toll (1)	tributaries (1)	58:6
62:17	ten (2)	30:5	49:21	unrecognizable (1)
survey (1)	28:22;49:24	top (2)	trouble (1)	44:18
7:20	tend (1)	30:11,12	47:17	unsuitable (1)
survive (1)	46:23	toss (1)	troubling (1)	36:5
44:11	tenders (1)	23:12	13:12	unsustainable (1)
surviving (1)	20:13	total (1)	trucks (3)	19:12
30:8	tent (1)	27:24	5:14;48:10;52:16	untenable (1)
suspect (1)	58:11	tough (1)	truly (1)	57:11
22:7	terminal (4)	7:19	9:14	untouched (1)
sustainable (8)	14:19;33:17;34:18;	tourism (5)	Trump's (1)	18:5
3:23;4:11;14:21;	38:20	55:17;61:11,15,18,	13:21	untreated (1)
19:3,11,23;29:16,17	terrain (1)	20	trunk (1)	46:18
	, ,		` /	
sustains (1)	14:1	tourist (1)	58:11	unwise (1)
21:16	terrestrial (2)	33:1	trust (2)	62:2
SVYMBERSKY (1)	52:4;60:17	tourists (2)	15:18,19	up (24)
33:5	tertiary (1)	4:3,7	try (3)	5:14;6:10;7:7,14,
system (9)	58:8	tours (1)	15:22;16:7;29:6	16;8:10;10:18,20,22
5:13;44:6;49:20;	testify (1)	49:9	trying (4)	17:14;24:10,21;34:13
52:6;59:15,17;60:7;	56:1	toxic (7)	9:18;12:17;50:8;	36:19;38:7,15;41:9,

SCOTING MEETING -	HOWER, ALASKA	I	I	April 11, 2010
13;43:5;45:7,10;	viewing (18)	15,20;31:21;32:4;	willing (1)	
51:25;55:20;57:19	4:2;14:11,12,20,21;	34:24;38:4;41:6;	22:4	Y
upon (1)	19:22;32:13;36:24;	44:10;45:14;49:3,4,5;	winds (2)	1
22:13	38:2,13;39:24;40:3;	50:2,3,12,12,16,17,19,	52:18,19	1 (2)
upper (2)	41:4;42:6,9;61:8,15,	20,22;51:3;52:25;	winter (1)	yards (2)
51:25;53:24	19	53:2,8,16,17,18,23;	48:24	44:20;45:8
upside (1)	villages (2)	57:15;58:16;63:6	wiped (1)	year (4)
43:8	12:3,8	waterborne (1)	11:20	26:15;45:25;48:14;
urge (2)	violation (1)	39:17	within (8)	50:11
33:2;63:5	46:4	waters (5)	44:18;59:3;60:10,	year-round (1)
use (15)	Virginia (1)	12:21;13:3;20:15;	12,23;61:13;62:16;	21:14 years (32)
25:13;36:4;38:21,	43:5	26:7;54:23	63:4	years (32) 4:23;8:2;9:3;10:13,
24;39:5,21;40:14;	Visitor (8)	watershed (8)	Without (5)	
41:18,21;51:8;52:17;	38:1;39:13,16,19,	9:10;34:17;45:19,	19:15;29:17;46:21;	16,19;11:2,4,12;14:9;
59:24;60:4,15;61:6	22,25;41:3;42:3	24;49:3;58:15;60:11;	56:13;57:4	16:15;18:18;28:10,22, 24;29:23;31:8,8,9,18;
used (3)	visitors (6)	62:12	witnessed (1)	32:22;34:19,22;36:1;
22:11;29:22;50:12	38:8;39:10;40:4;	way (14)	29:13	45:4;46:14,15,17,25;
user-friendly (2)	41:10,25;42:10	6:15;8:25;12:2;	wolves (1)	49:24;51:11,22
6:14,24	vocal (1)	14:16;17:5;31:24;	43:20	year's (1)
using (9)	34:11	35:8,9;46:9;53:3,4;	wonderful (2)	6:4
13:17,24;32:20;	voice (1)	54:1,6;58:13	31:9;34:6	yellow (1)
40:2,6,11;42:8,11,16	34:11	ways (1)	wondering (1)	43:7
usually (1)	volcanic (1)	30:21	30:11	yesterday (1)
29:6	5:10	wayside (1)	words (2)	3:25
utilized (1)	volcano (5)	23:12	20:7;27:16	young (2)
48:6	20:18;33:14,15,18;	weather (10)	work (3)	40:8;42:13
	43:15	20:8,11;27:10;35:2,	22:15;28:10;48:2	10.0,12.13
${f V}$	volcanos (1)	3,9;47:14,18;52:19,20	worked (4)	\mathbf{Z}
-	4:24	weigh (1)	6:3;8:3;49:24;51:11	
Valdez (1)	vote (1)	23:23	workers (1)	ZAK (1)
15:7	45:2	weren't (1)	13:19	3:19
Valley (1)	voted (1)	27:8	working (1)	zone (1)
23:1	44:14	West (2)	33:8	26:20
value (2)	voters (1)	43:5,20	works (1)	zones (1)
42:3;58:23	44:14	Western (2)	52:22	43:11
VAN (1)	vulnerabilities (1)	8:6;10:21	world (23)	
37:16	61:23	wetlands (3)	8:10,21;9:7;13:8;	1
Varden (1)	\mathbf{W}	28:5;29:3;49:1	16:9,17;18:11,19;	
38:15	VV	whale (1)	21:17,21;24:11;27:9;	1 (3)
variation (1)		48:13	28:4,5;29:4;34:9;	24:15;44:15;45:2
35:4 vehemently (1)	wait (1)	what's (4) 11:3;24:23;26:21,	38:3;41:4;43:11; 45:23;46:3;47:19;	1,000 (1)
• ` `	16:14	21	53:6	47:24
6:8 verified (1)	war (1) 27:23	wherever (1)	world's (1)	10 (1)
53:9	Warming (1)	8:22	5:8	44:22
vessel (2)	30:5	whole (9)	worried (2)	10- (1)
38:19;41:17	Washington (2)	8:12;9:10;19:6,13,	35:23;40:17	50:10
vested (1)	10:12,21	14;51:8;52:5;55:1,8	worse (1)	1039 (1)
6:21	waste (8)	wide (1)	48:15	31:14
vestiges (1)	17:7;21:23;46:1,11,	35:24	worst (2)	11 (1) 27:19
45:15	17,18;47:13;57:16	widespread (1)	28:11;37:11	
vexed (1)	wasteland (1)	56:19	worth (2)	13- (1) 36:22
8:12	28:14	wild (9)	6:4;17:18	14,000 (4)
viability (1)	wastewater (2)	17:24;18:5,20;	wrapping (1)	23:21;36:22;46:20;
56:18	46:4,21	19:15,15;21:1,11;	20:18	48:1
viable (2)	wasting (1)	30:7;32:16	write (2)	14-plus (1)
7:8;58:21	27:18	wilderness (6)	25:17;29:6	29:22
vicinity (1)	watch (1)	14:23;18:6,16,17;	written (3)	15 (2)
57:14	26:14	38:9;41:11	30:16;33:3;55:20	17:25;34:19
view (1)	watching (1)	wildlife (10)	wrong (7)	15,000 (1)
4:3	23:14	16:22;22:13,14;	5:5,5;15:8;24:6,7;	50:10
viewed (2)	water (36)	38:2;41:4;43:17;47:9;	31:16,16	150 (1)
39:23;42:5	22:4;23:4;25:11,12,	48:13;49:9;51:21		36:18
	I .	I .	I .	1

SCOPING MEETING -	HOMER, ALASKA		April 11, 2
1500 (1) 7:5	3-D (1) 15:23	23:22 90s (1)	
170 (1)		52:2	
36:3	4		
178 (1) 21:12	40 (2)		
1964 (2)	14:8;31:8		
8:20;24:16	400-feet (1)		
1970 (1) 8:1	35:24 404c (2)		
1972 (1)	58:16;63:6		
51:10	45 (1)		
1973 (2)	29:11		
38:3;41:5 1976 (1)	5		
43:15	3		
1984 (1)	5 (1)		
12:16	43:25		
1986 (1) 43:15	50 (1) 18:17		
1st (1)	500 (1)		
27:20	31:9		
2	50-feet (1) 35:24		
	50-foot (1)		
2 (3)	36:10		
43:10;44:15;45:2	5th (1)		
2,000 (1) 23:22	27:20		
20 (4)	6		
29:23;34:19;46:13;			
49:18	6 (1)		
200,000 (1) 52:1	44:5 60-year (1)		
20-foot (1)	37:10		
35:4	7		
20-year (1) 37:6	7		
22 (1)	7 (1)		
59:4	44:10		
24 (1) 44:18	7:45 (1) 63:9		
25 (2)	70 (1)		
11:12;43:14	45:23		
29th (2) 29:3;30:16	8		
29.5,30.10	O		
3	8 (1)		
2 (1)	44:14		
3 (1) 43:13	80 (2) 31:8;60:23		
3,000 (1)	800 (1)		
45:4	43:23		
30 (2) 28:10;29:1	850 (1)		
30-day (1)	36:18	-	
28:23	9		
30-some (1)	0 (1)		
31:18 35 (1)	9 (1) 44:17		
44:19	90 (1)		
38-year (1)	60:24		
33:6	900 (1)		